

**odak[®] R&D
CENTER**

smart city technologies

**Lighting Fixtures
2024-2025**

Odak R&D Center is a technology company that develops value-added and sustainable technologies that make a difference in the fields of smart city technologies, including traffic, energy, and lighting. The Odak R&D Center's objective is to consolidate all the constituent elements of smart city technologies within a singular platform by developing cutting-edge hardware, software, and subsystems.

Our objective is to develop products (hardware and software) and systems that meet the criteria of medium and high technology in our core areas of expertise. We aim to become a well-known brand among companies in our field, both in Turkey and globally, and to have a strong track record of signing major projects.

Odak R&D Center contributes to the standardization, technical methodology, and software activities developed in our country in the field of traffic. Our engineers receive Ertico Intelligent Transportation Systems (ITS&C-ITS and MaaS) training and certification, and develop products/systems with this vision in mind. At the same time, we also follow IoT-based applications and technologies, which are an integral part of smart cities. To this end, we are also a member of the LoRa Alliance.

In addition to Smart City Technologies, we also undertake special projects for clients in the defense industry, aviation sector, and medical sector. Odak R&D Center has joined Aselsan Gücümüz Bir and Defense Industry YETEN in order to further promote our work in the field of defense and to enhance our sector-specific awareness.

Odak R&D Center employees participate in leading industry competitions in the field of lighting and utilize cutting-edge analysis software in this domain. Additionally, they can develop KNX and DALI automation, the leading building automation standard in lighting automation, and execute lighting change/transformation projects using Dialux/Relux in accordance with EN12464 standards. As a member of AGID (Association of Lighting Equipment Manufacturers), it continues its regional and global activities in the field of lighting.

Odak R&D Center engineering team prepares your lighting change/transformation projects in your factories and facilities in the computer environment in the closest way to reality (over 95% accuracy), accelerates your decision-making processes with engineering studies together with investment return analysis and performs the studies you need for a correct investment.

MEMBERSHIPS & AWARDS & ACHIEVEMENTS

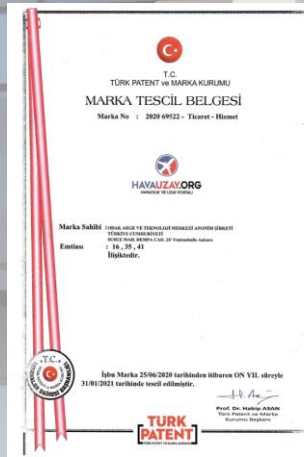
- LED Lighting Project Competition First Prize
- DIALux evo Featured Project Winner
- Academy Ertico Intelligent Transportation Systems Certificate (ITS&C-ITS)
- Academy Ertico Certificate for Intelligent Transportation Systems (MaaS), 2022



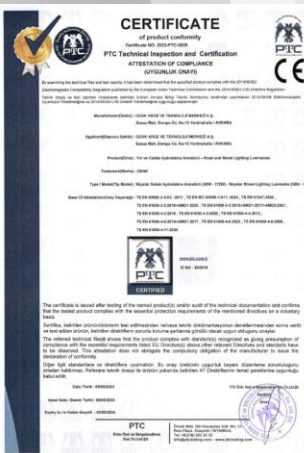
Our Quality Certificates



Patent and Trademark Registration Documents



Our Product Certificates



Our Membership Documents





www.odakarge.com



LED (light-emitting diode) light source luminaires are revolutionizing modern lighting technologies. They stand out with their energy efficiency, durability, and superior lighting performance. Compared to traditional lighting solutions, LED light source luminaires offer lower energy consumption and long-lasting use. As a result, they are widely preferred in commercial and industrial areas.

LED light source luminaires offer high luminous efficiency, providing more illumination with less energy. This supports environmental sustainability while reducing energy costs. Its compatibility with automation systems increases efficiency in businesses. These luminaires, which can be integrated with automation controls, save energy by creating programmable lighting scenarios and responding dynamically to the lighting needs of businesses. The dimming feature allows for easy adjustment of the light level, ensuring appropriate lighting according to the requirements of the environment and user preferences. They provide safe and comfortable working environments with low heat generation, and their long lifetime minimizes maintenance and replacement costs.

LED luminaires offer a variety of color and light distribution options, increasing creativity in lighting design. They provide superior performance both indoors and outdoors with high color accuracy and instant full brightness. Their flicker-free and eye-friendly lights increase working efficiency and employee comfort.

LED lighting fixtures are an optimal solution for modern businesses seeking to attain energy efficiency and sustainability objectives. This cutting-edge technology is instrumental in delivering brighter, more efficient, and environmentally conscious lighting.

INDUSTRIAL LIGHTING FIXTURES

Low Ceiling Luminaires



ALTAIR 56W



ALTAIR 74W



ALTAIR 106W



LUMISTAR 100W



ALSHAIN
72W/96W/128W

Sf. 12-20

High Ceiling Luminaires



REGULUS 106W



REGULUS 212W



REGULUS 318W



CAPELLA
72W/96W/128W



LUMISTAR 100W

Sf. 21-27

Gas Station Lighting Fixtures



CANOPUS 72W



CANOPUS 96W



CANOPUS 128W

Sf. 28-30

Bellatrix Linear Luminaires



65 cm

BELLATRIX
33W-42W



125 cm

BELLATRIX
42W-50W



125 cm

BELLATRIX
50W-59W

Sf. 31-32

Linear High Bay Luminaires



60 cm

LYRA 56W-65W



90 cm

LYRA 85W-100W



120 cm

LYRA 113W-133W

Sf. 33-37

Ethanej Luminaires



60 cm

HYDRA 18W



120 cm

HYDRA 36W/44W



150 cm

HYDRA 65W



127 cm

HYDRA FIX-S
40W/80W

Sf. 38-41

Surface Mounted Luminaires



SURFACE MOUNTED
SQUARE LUMINAIRE
6W/12W/18W/24W



SURFACE MOUNTED
APARTMENT LUMINAIRE
6W/12W/18W/24W



SURFACE MOUNTED RADAR
SENSOR CEILING FIXTURE
(GLOP)12W/18W/28W

Sf. 42-47

OFFICE LIGHTING PRODUCTS

Rigel Recessed Office Lighting Fixture (Rock Wool, Clip-in, Drywall)



30x30
15W/23W



30x60
15W/23W



30x120
40W/45W



60x60
34W/40W/44W



60x120
63W

Rigel Surface Mounted Office Lighting Fixture

Sf. 48-56



30x30
15W/23W



30x60
15W/23W



30x120
40W/45W



60x60
34W/40W/44W



60x120
63W

DOWNLIGHT LIGHTING PRODUCTS

Glint Recessed Downlight Lighting Fixtures



3" / 8W



4" / 12W



6" / 18W



8" / 24W-32W

Sf. 57-62

Glint Surface Mounted Downlight Lighting Fixtures



3" / 8W



4" / 12W



6" / 18W



8" / 24W-32W

IP40 LINEAR LIGHTING FIXTURES

Elegance Linear Aydınlatma Armatürü



60 cm

ELEGANCE 25W



90 cm

ELEGANCE 38W



120 cm

ELEGANCE 51W

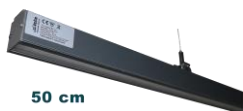


144 cm

ELEGANCE 36W-48W-90W

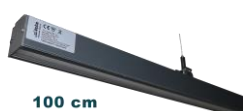
Sf. 63-65

Linda Linear Lighting Fixture



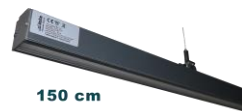
50 cm

LINDA
12W/20W



100 cm

LINDA
27W/40W



150 cm

LINDA
41W/60W

Sf. 66-69

Alya Linear Lighting Fixture



60 cm

ALYA 21W



120 cm

ALYA 78W



150 cm

ALYA 43W

Sf. 70-72

MAGNETIC RAIL SPOT LIGHTING FIXTURES



PEARL
6W



PEARL
12W

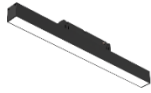


PEARL
18W

Sf. 73-75



PEARL LINE
10W



PEARL LINE
18W

Sf. 76-77



PEARL TILT
6W



PEARL TILT
12W

Sf. 78-79



PEARL ROD
7W



PEARL ROD
15W

Sf. 80-81



PEARL SPOT
10W



PEARL SPOT
18W

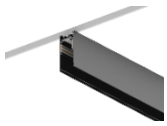


PEARL SPOT
7W

Sf. 82-83

MAGNETIC TRACK SPOT LIGHTING ACCESSORIES

Surface Mounted Apparatus



PRC41-00211



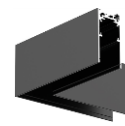
PRC41-10211



PRC41-10201

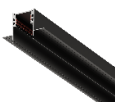


PRC41-10401

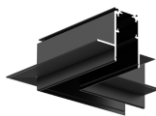


PRC41-10221

Under Plaster Apparatus



PRC42-00411



PRC42-10101



PRC42-10111



PRC42-10121



PRC43-00111

Hanging Apparatus



PRC40-90051



PRC40-90041

Sf. 84-86

Electrical Connection Apparatus



PRC40-90031



PRC40-90011



PRC40-90021

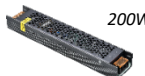
Magnetic Rail Spot Power Supplies (48VDC)



PRC03-21001



PRC03-22001



PRC03-22000

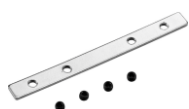


PRC03-23500

Rail Connectors and Accessories



PRC40-90091



PRC40-90081



PRC42-90301

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PROJECTORS



LUMISTAR
SECURE BEAM 50W



LUMISTAR
SECURE BEAM 100W



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72W/96W/128W



DENEb
250W/300W



HEKA
400W



VEGA
500W/600W

Sf. 87-101

DOB PROJECTORS



CASTOR DOB
30W



CASTOR DOB
50W



CASTOR DOB
100W



CASTOR DOB
150W



CASTOR DOB
200W



CASTOR DOB
300W

Sf. 102-104

INFRARED PROJECTORS



ROSS 8W



ROSS 40W



ROSS 70W



BETELGEUSE
70W



BETELGEUSE
100W



BETELGEUSE
125W

Sf. 105-112

MACHINE LIGHTING FIXTURES



60 cm

Machine Lighting
Fixture 18W



120 cm

Machine Lighting
Fixture 36W



150 cm

Machine Lighting
Fixture 65W



125 cm

BELLATRIX
33W-42W



125 cm

BELLATRIX
42W-50W

Sf. 113-117

LOADING LIGHT



50W



100W



200W

Sf. 118-120

GREENHOUSE LIGHTING FIXTURES



OCTAMOL Greenhouse
Lighting Fixtures



120 cm
Hydra-MOL Greenhouse
Lighting Fixtures

Sf. 121-125

EMERGENCY LIGHTING / DIRECTIONAL LUMINAIRES



ALKAID
EMERGENCY
ROUTING



ALCOR
EMERGENCY
ROUTING



MOON
EMERGENCY
ROUTING



MOON
EMERGENCY
LIGHTING



TRITON
EMERGENCY
LIGHTING

Sf. 126-136

STREET LIGHTING FIXTURES



SKYSTAR
30W/50W



SKYSTAR
60W/80W



SKYSTAR
100W/120W



SKYSTAR
150W/180W



SKYSTAR
250W/320W

Sf. 137-142



MEISSA
20W/30W/40W



MEISSA
50W/60W/80W



MEISSA
90W/100W/120W



MEISSA
130W/140W/150W

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Ursa-M Solar Powered Lighting System



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Sf. 147-148

LIGHTING CONTROL SYSTEMS



LoRaWAN GATEWAY



NODE
CONTROLLER



NEMA SOCKET COVERS



NEMA SOCKET
COMPATIBLE
PHOTOCELL



NEMA SOCKET
3P



NEMA SOCKET
5P



NEMA SOCKET
7P

Sf. 149-156



LED light source industrial luminaires pay for their investment with energy savings!

In today's world, where energy is becoming increasingly important, efficient energy use and cost reduction are among the top priorities for businesses.

Replacing traditional light sources (metal, fluorescent, sodium vapor) with LED light source luminaires can significantly reduce energy costs. These luminaires do not require changing the light source for five years and do not require maintenance, eliminating the need to change the lamp every two years. With the energy savings they provide, the expenditure/investment will pay for itself in less than two years.

Please be advised that as of September 2023, T5 and T8 fluorescent and compact fluorescent tubes (CFL) will no longer be available for purchase in accordance with the European Commission's eco-design and RoHS directives. Consequently, the deployment of LED light source luminaires in factories and industrial plants is on the rise. Their low energy consumption and long lifetime minimize maintenance requirements and reduce operating costs. They are also environmentally friendly, consuming less energy and generating less waste. KNX or DALI automation and compatibility with presence and daylight sensors provide additional savings and flexibility, increasing operational efficiency and controlling costs.

LED light source industrial luminaires are an environmentally friendly option that offers high energy savings, low consumption, and reduced waste generation. The flexible design of these luminaires provides a variety of options to meet different lighting needs. They are an ideal lighting solution for businesses due to their energy efficiency, full compliance with automation and Industry 4.0 standards, long life, and environmentally friendly features.

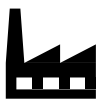
ALTAIR Low Ceiling Luminaire

56W ~ 106W

odak® R&D CENTER
smart city technologies



General Application Areas



Factories



Building Perimeters



Park - Walking path



Parking lots



Tunnels

General Information

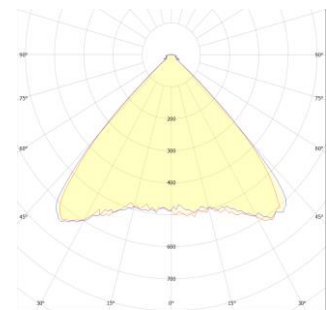
The Altair Low Bay LED Luminaire has been designed for use in industrial plants, warehouses, and sports facilities with ceiling heights of up to 7 meters.

Altair is one of the closest visible stars in the night sky. This is the rationale behind the naming of our low-ceiling luminaires as "Altair."

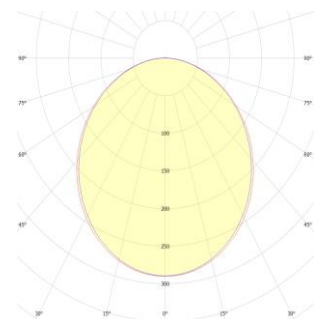
Altair is designed to withstand the harsh conditions of industrial environments, featuring a high degree of mechanical protection (IK08), water and dust protection (IP66), and proven chemical resistance. Its robust, compact, and reliable design ensures excellent light quality, with 90°, 110°, and asymmetric light distribution options to meet the specific lighting needs of factories.

Altair series luminaires offer a solution for replacing existing luminaires to meet efficiency, energy saving, and improved light management criteria. They can also be integrated into Industry 4.0 workflows with 1-10V, DALI, and KNX automation control capabilities.

Optical Beam Angles



90°



110°

ALTAIR Low Ceiling Luminaire

56W ~ 106W

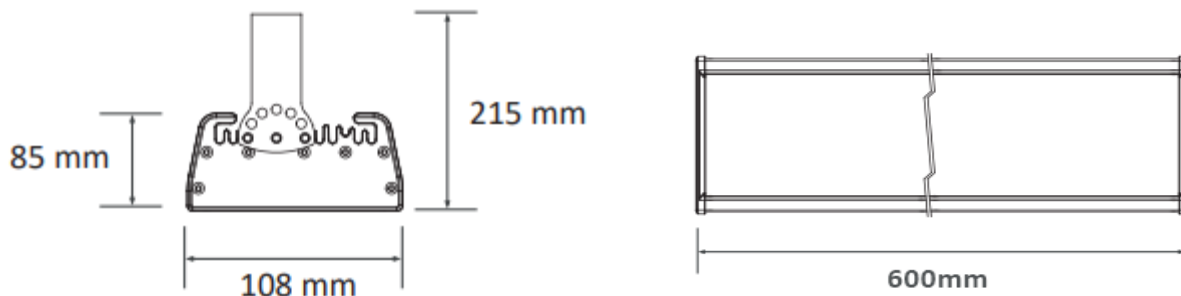
Technical Specifications

Power	:56W ~ 106W
Input Voltage	:200-240 V AC 50/60 HZ
Power Factor	:>0,9
Effectiveness Factor	:>132lm/W
Luminous Flux	:7392lm ~ 13992 lm
Light Angle	:90°/110°
Color Temperature (CCT)	:3000K /4000K/5000K/ 6500K
Color Rendering Index (CRI)	:80+
IP Protection Class	:IP 65 / IP66 (Optional)
Dimensions	:600x150x85 mm
Weight	:5.5 kg
Warranty Period	:5 Years

Optical and Electrical Properties

Body	Aluminum Extrusion	CE Marking	Yes
Color Options	Black, Gray	RoHS Compliance	Yes
Front Cover	Tempered Glass	Lifetime	≥60,000 Hours
Lens	PMMA	Throttling Options	1-10V, TRIAC, DALI
Light Source	LED	Operating Temperature	-25°/+55°C
Impact Resistance	IK 08- IK 10 (Optional)	Total Harmonic Distortion	<%20

Technical Drawing and Connection Diagram



ALTAIR PRODUCT VARIATIONS

ALTAIR 56W

Product Code	Power	Input Voltage	Luminous Flux	Light Angle	Dimensions	Weight
ALT-056SM-00901-865-9005	56W	200-240 V AC 50/60 Hz	7392 lm	90°	200x108x215mm	2,75 kg
ALT-056CT-00901-865-9005	56W	200-240 V AC 50/60 Hz	7392 lm	90°	200x108x215mm	2,75 kg
ALT-056BB-00901-865-9005	56W	200-240 V AC 50/60 Hz	7392 lm	90°	200x108x215mm	2,75 kg
ALT-056SM-01101-865-9005	56W	200-240 V AC 50/60 Hz	7056 lm	110°	200x108x215mm	2,75 kg
ALT-056CT-01101-865-9005	56W	200-240 V AC 50/60 Hz	7056 lm	110°	200x108x215mm	2,75 kg
ALT-056BB-01101-865-9005	56W	200-240 V AC 50/60 Hz	7056 lm	110°	200x108x215mm	2,75 kg

ALTAIR 74W

Product Code	Power	Input Voltage	Luminous Flux	Light Angle	Dimensions	Weight
ALT-074SM-00901-865-9005	74W	200-240 V AC 50/60 Hz	9768 lm	90°	360x108x215mm	4,2 kg
ALT-074CT-00901-865-9005	74W	200-240 V AC 50/60 Hz	9768 lm	90°	360x108x215mm	4,2 kg
ALT-074BB-00901-865-9005	74W	200-240 V AC 50/60 Hz	9768 lm	90°	360x108x215mm	4,2 kg
ALT-074SM-01101-865-9005	74W	200-240 V AC 50/60 Hz	9324 lm	110°	360x108x215mm	4,2 kg
ALT-074CT-01101-865-9005	74W	200-240 V AC 50/60 Hz	9324 lm	110°	360x108x215mm	4,2 kg
ALT-074BB-01101-865-9005	74W	200-240 V AC 50/60 Hz	9324 lm	110°	360x108x215mm	4,2 kg

ALTAIR 106W

Product Code	Power	Input Voltage	Luminous Flux	Light Angle	Dimensions	Weight
ALT-106SM-00901-865-9005	106W	200-240 V AC 50/60 Hz	13992 lm	90°	600x108x215mm	5,5 kg
ALT-106CT-00901-865-9005	106W	200-240 V AC 50/60 Hz	13992 lm	90°	600x108x215mm	5,5 kg
ALT-106BB-00901-865-9005	106W	200-240 V AC 50/60 Hz	13992 lm	90°	600x108x215mm	5,5 kg
ALT-106SM-01101-865-9005	106W	200-240 V AC 50/60 Hz	13356 lm	110°	600x108x215mm	5,5 kg
ALT-106CT-01101-865-9005	106W	200-240 V AC 50/60 Hz	13356 lm	110°	600x108x215mm	5,5 kg
ALT-106BB-01101-865-9005	106W	200-240 V AC 50/60 Hz	13356 lm	110°	600x108x215mm	5,5 kg

LUMISTAR LOW CEILING LUMINAIRE 100W



General Application Areas



City Lighting



Sea Ports and
Parking lot

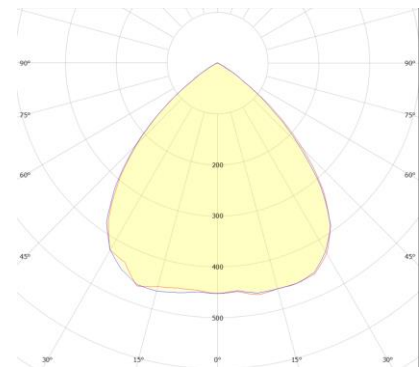


Parks

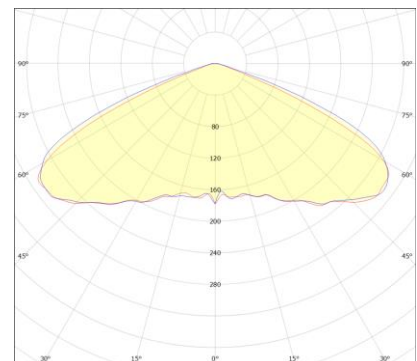


Environment and
Safety Lighting

Optical Beam Angles



90



General Information

The Lumistar High Bay LED Luminaire has been designed for use in industrial plants, warehouses, and sports facilities with ceiling heights ranging from 7 meters to 25 meters.

Lumistar is designed to withstand the harsh conditions of industrial environments, featuring a high degree of mechanical protection (IK08), water and dust protection (IP66), and proven chemical resistance. Its robust, compact, and reliable design ensures excellent light quality, with 90° and 110° light distribution options to meet the specific lighting needs of factories.

Lumistar series luminaires offer a solution for replacing existing luminaires that meets the criteria of efficiency, energy saving, and improved light management. Additionally, they can be integrated into Industry 4.0 workflows with 1-10V, DALI, and KNX automation control possibilities.

LUMISTAR LOW CEILING LUMINAIRE 100W

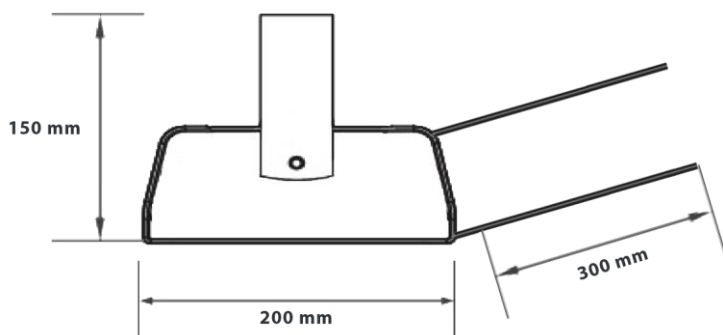
Technical Specifications

Body	:Aluminum Injection
IP Protection Class	:IP 65
Luminous Flux	:13500 lm
Light Source	:LED
Test Standards	:TS EN 60598-1, TS EN 60598-2-3, TS EN 62031, TS IEC TR 62471, TS EN 60529, TS EN 62262, TS EN 62722-2-1

Optical and Electrical Properties

Power	100W	Light Angle	90° / 110°
CE Marking	Evet	Power Factor	>0,9
Optic	PMMA / PC	Max Voltage Withstand	1kV - 4kV (10kV Optional)
Effectiveness Factor	>135 lm/W	Color Temperature	2200K/3000K/4000K/5000 K/6500K
Input Voltage	50/60 HZ	CRI	>70
Total Harmonic Distortion	<%20	Operating Temperature	-25°C / +55°C
Dimensions	200*300*150mm	LED Lifetime	60.000 Hours

Technical Drawing (Side View) and Connection Diagram



Product Order Information

Product Code	Power	Effectiveness Factor	Input Voltage	CCT	Luminous Flux	Light Angle	Dimensions
LMS-100BB-00901-865-7016	100W	>135 lm/W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	13500lm	90°	200X300X150mm
LMS-100BB-01101-865-7016	100W	>135 lm/W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	13500lm	110°	200X300X150mm
LMS-100DM-00901-865-7016	100W	>135 lm/W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	13500lm	90°	200X300X150mm
LMS-100DM-01101-865-7016	100W	>135 lm/W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	13500lm	110°	200X300X150mm

ALSHAIN Low Ceiling Luminaire

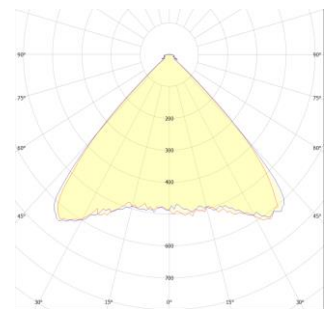
72W ~ 96W ~ 128W



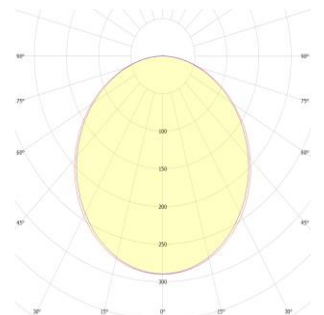
General Application Areas



Optical Beam Angles



90°



110°

General Information

The Low Ceiling LED Luminaire is a high-power luminaire with various lenses designed for use in industrial plants, warehouses, and sports facilities with ceiling heights up to 6 meters.

Our LED modules boast high energy efficiency and are ideal for use in luminaires with a compact chassis structure. With 90° and 110° options available, they can be tailored to suit a range of applications. Additionally, they are classified according to energy consumption, allowing for precise selection based on the specific lighting needs of the area in question. Our design and production capabilities are enhanced by the ability to determine different light and power values based on the ceiling height of the illuminated space.

ALSHAIN Low Ceiling Luminaire

72W ~ 96W ~ 128W

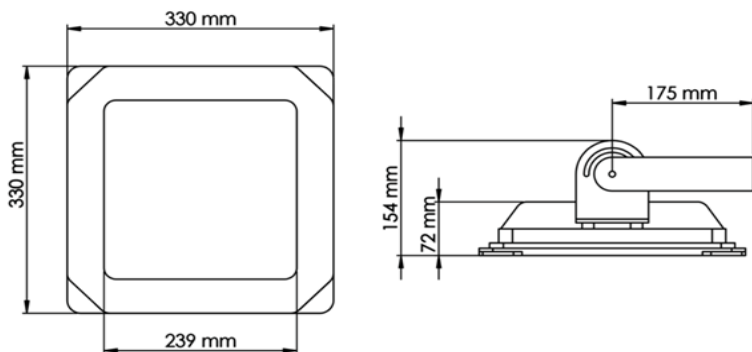
Technical Specifications

Power	:72W ~ 96W ~ 128W
Input Voltage	:200-240 V AC 50/60 HZ
Power Factor	:>0,9
Effectiveness Factor	:>132+lm/W
Luminous Flux	:9504lm ~ 16896lm
Light Angle	:90°/110°
Color Temperature (CCT)	:3000K /4000K/5000K/ 6500K
Color Rendering Index (CRI)	:80+
IP Protection Class	:IP 66 / IP67 (Optional)
Dimensions	:330x330x154 mm
Weight	:7,9 kg
Warranty Period	:5 Years

Optical and Electrical Properties

Body	Aluminum Extrusion	CE Marking	Yes
Color Options	Black, Gray	RoHS Compliance	Yes
Front Cover	Tempered Glass	Lifetime	≥60,000 Hours
Lens	PMMA	Throttling Options	1-10V, TRIAC, DALI
Light Source	LED	Operating Temperature	-25°/+55°C
Impact Resistance	IK 08- IK 10 (Optional)	Total Harmonic Distortion	<%20

Technical Drawing



ALSHAIN PRODUCT VARIATIONS

Alshain 72W/96W/128W

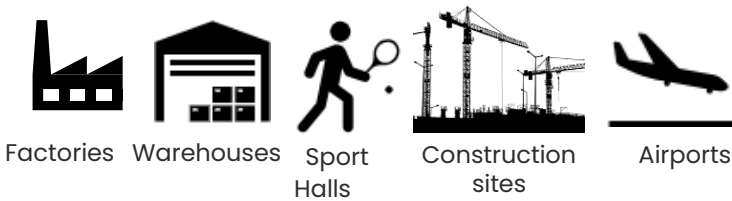
Product Code	Power	Input Voltage	Luminous Flux	Light Angle	Dimensions	Weight
ALS-072SM-00901-850-7016	72W	200-240 V AC 50/60 Hz	9504 lm	90°	330x330x154 mm	7,9 kg
ALS-072CT-00901-850-7016	72W	200-240 V AC 50/60 Hz	9504 lm	90°	330x330x154 mm	7,9 kg
ALS-072BB-00901-865-7016	72W	200-240 V AC 50/60 Hz	9504 lm	90°	330x330x154 mm	7,9 kg
ALS-072SM-00901-850-7016	72W	200-240 V AC 50/60 Hz	9028 lm	110°	330x330x154 mm	7,9 kg
ALS-072CT-00901-850-7016	72W	200-240 V AC 50/60 Hz	9028 lm	110°	330x330x154 mm	7,9 kg
ALS-072BB-00901-850-7016	72W	200-240 V AC 50/60 Hz	9028 lm	110°	330x330x154 mm	7,9 kg
ALS-096SM-00901-865-7016	96W	200-240 V AC 50/60 Hz	12672 lm	90°	330x330x154 mm	7,9 kg
ALS-096CT-00901-865-7016	96W	200-240 V AC 50/60 Hz	12672 lm	90°	330x330x154 mm	7,9 kg
ALS-096BB-00901-865-7016	96W	200-240 V AC 50/60 Hz	12672 lm	90°	330x330x154 mm	7,9 kg
ALS-096SM-01101-865-7016	96W	200-240 V AC 50/60 Hz	12096 lm	110°	330x330x154 mm	7,9 kg
ALS-096CT-01101-865-7016	96W	200-240 V AC 50/60 Hz	12096 lm	110°	330x330x154 mm	7,9 kg
ALS-096BB-01101-865-7016	96W	200-240 V AC 50/60 Hz	12096 lm	110°	330x330x154 mm	7,9 kg
ALS-106SM-00901-865-7016	128W	200-240 V AC 50/60 Hz	13992 lm	90°	330x330x154 mm	7,9 kg
ALS-106CT-00901-865-7016	106W	200-240 V AC 50/60 Hz	13992 lm	90°	330x330x154 mm	7,9 kg
ALS-106BB-00901-865-7016	106W	200-240 V AC 50/60 Hz	13992 lm	90°	330x330x154 mm	7,9 kg
ALS-106SM-01101-865-7016	106W	200-240 V AC 50/60 Hz	13356 lm	110°	330x330x154 mm	7,9 kg
ALS-106CT-01101-865-7016	106W	200-240 V AC 50/60 Hz	13356 lm	110°	330x330x154 mm	7,9 kg
ALS-106BB-01101-865-7016	106W	200-240 V AC 50/60 Hz	13356 lm	110°	330x330x154 mm	7,9 kg

REGULUS High Bay Luminaire

106W ~ 212W ~ 318W



General Application Areas

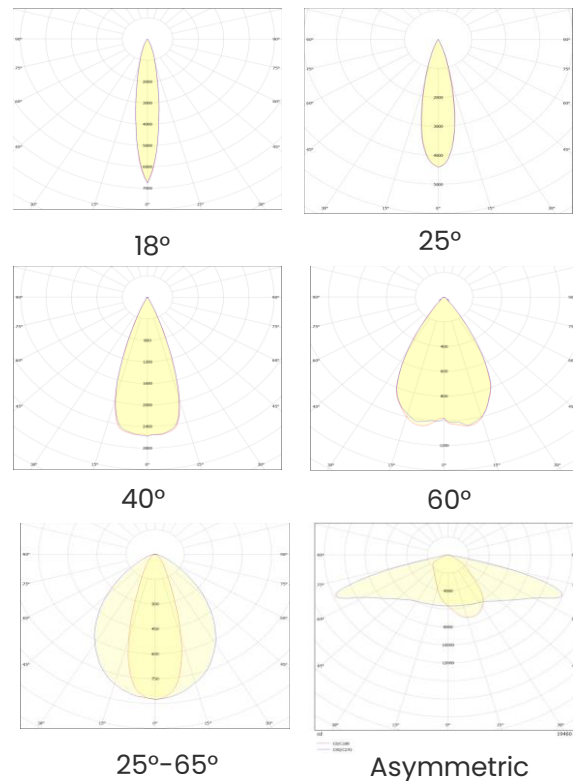


General Information

The Regulus High Bay LED Luminaire has been designed for use in industrial plants, warehouses, and sports facilities with ceiling heights ranging from 7 meters to 25 meters. Regulus is the designation for a double star in a multiple star system comprising four stars. Our high-ceiling luminaires are named "Regulus" due to their double and triple compact case design. Regulus is designed to withstand harsh industrial conditions, offering a high degree of mechanical protection (IK08), water and dust protection (IP66), and proven chemical resistance. It is a robust, compact, and reliable luminaire, delivering excellent light quality. With 18°, 25°, 40°, 60°, and asymmetric light distribution options, it meets the diverse lighting needs of factories.

The Regulus series of luminaires offers a solution for replacing existing luminaires while meeting the criteria for efficiency, energy savings, and improved light management. Additionally, it can be integrated into Industry 4.0 workflows with 1-10V, DALI, and KNX automation control capabilities.

Optical Beam Angles



REGULUS High Bay Luminaire

106W ~ 212W ~ 318W

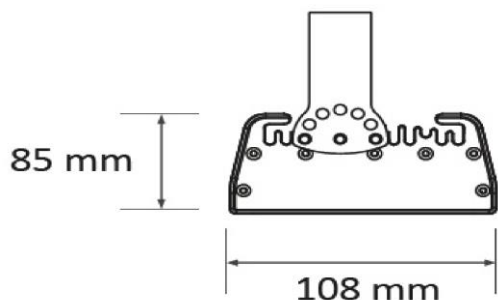
Technical Specifications

Power	:106W ~ 212W ~ 318W
Input Voltage	:200-240 V AC 50/60 HZ
Power Factor	:>0,9
Effectiveness Factor	:>132+lm/W
Luminous Flux	:13992lm ~ 39877 lm
Light Angle	:18°/25°/40°/60°/25-65°/ Asimetrik
Color Temperature (CCT)	:3000K /4000K/5000K/ 6500K
Color Rendering Index (CRI)	:80+
IP Protection Class	IP 65 / IP66 (Optional)
Dimensions	:200x170x70 mm
Weight	:5,5 kg
Warranty Period	:5 Years

Optical and Electrical Properties

Body	Aluminum Extrusion	CE Marking	Yes
Color Options	Black, Gray	RoHS Compliance	Yes
Front Cover	Tempered Glass	Lifetime	≥60,000 Hours
Lens	PMMA	Throttling Options	1-10V, TRIAC, DALI
Light Source	LED	Operating Temperature	-25°/+55°C
Impact Resistance	IK 08- IK 10 (Optional)	Total Harmonic Distortion	<%20

Technical Drawing and Connection Diagram



REGULUS PRODUCT VARIATIONS

REGULUS 106W

Product Code	Power	Input Voltage	Luminous Flux	Light Angle	Dimensions	Weight
RGL-106BB-00182-865-9005	106W	200-240 V AC 50/60 Hz	13292 lm	18°	200x150x85	5,5 kg
RGL-106BB-00252-865-9005	106W	200-240 V AC 50/60 Hz	13292 lm	25°	200x150x85	5,5kg
RGL-106BB-00402-865-9005	106W	200-240 V AC 50/60 Hz	13292 lm	40°	200x150x85	5,5kg
RGL-106BB-00602-865-9005	106W	200-240 V AC 50/60 Hz	13292 lm	60°	200x150x85	5,5 kg
RGL-106BB-DAS12-865-9005	106W	200-240 V AC 50/60 Hz	13292 lm	25°-65°	200x150x85	5,5 kg
RGL-106BB-ASY12-865-9005	106W	200-240 V AC 50/60 Hz	13292 lm	ASY	200x150x85	5,5 kg

REGULUS 212W

Product Code	Power	Input Voltage	Luminous Flux	Light Angle	Dimensions	Weight
RGL-212BB-00252-865-9005	212 W	200-240 V AC 50/60 Hz	26585 lm	18°	600x300x85 mm	11,5kg
RGL-212BB-00402-865-9005	212 W	200-240 V AC 50/60 Hz	26585 lm	40°	600x300x85 mm	11,5kg
RGL-212BB-00602-865-9005	212 W	200-240 V AC 50/60 Hz	26585 lm	60°	600x300x85 mm	11,5kg
RGL-212BB-ASY12-865-9005	212 W	200-240 V AC 50/60 Hz	26585 lm	20°-70°	600x300x85 mm	11,5kg

REGULUS 318W

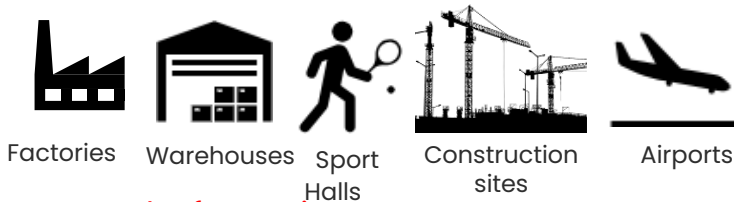
Product Code	Power	Input Voltage	Luminous Flux	Light Angle	Dimensions	Weight
RGL-318BB-00252-865-9005	318 W	200-240 V AC 50/60 Hz	39877 lm	18°	600x460x85 mm	17 kg
RGL-318BB-00402-865-9005	318 W	200-240 V AC 50/60 Hz	39877 lm	40°	600x460x85 mm	17 kg
RGL-318BB-00602-865-9005	318 W	200-240 V AC 50/60 Hz	39877 lm	60°	600x460x85 mm	17 kg
RGL-318BB-ASY12-865-9005	318 W	200-240 V AC 50/60 Hz	39877 lm	20°-70°	600x460x85 mm	17 kg

CAPELLA High Bay Luminaire

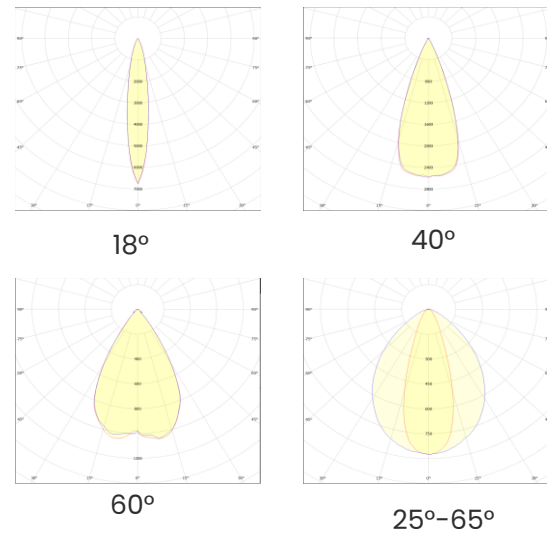
72W ~ 96W ~ 128W



General Application Areas



Optical Beam Angles



General Information

The Capella High Bay LED Luminaire has been designed to replace point light sources such as metal halide and sodium vapor, particularly in industrial plants, warehouses, and sports facilities with ceiling heights ranging from 7 meters to 25 meters. The Capella series of luminaires, like the Capella star, is designed with high-quality components to provide uninterrupted, reliable light for 365 days a year. The luminaires are built to last, with a maintenance-free, easy-to-assemble mechanical structure and a long lifespan in a variety of facilities.

The Capella boasts a high degree of mechanical protection (IK08), water and dust protection (IP66), and proven chemical resistance, making it an ideal choice for harsh industrial environments. This robust, compact, and reliable luminaire provides excellent light quality. The Capella series offers a range of light distribution options, including 18°, 25°, 40°, 60°, and asymmetric, to meet the specific lighting needs of factories. These luminaires can be used to replace existing ones, allowing you to achieve greater efficiency, energy savings, and improved light management. Additionally, they can be integrated into Industry 4.0 workflows with 1-10V, DALI, and KNX automation control capabilities.

CAPELLA High Bay Luminaire

72W ~ 96W ~ 128W

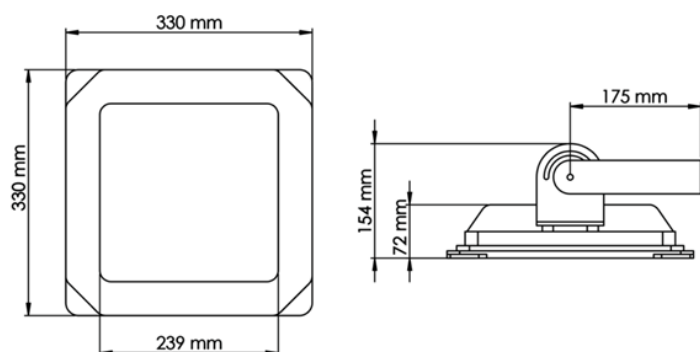
Technical Specifications

Power	:72W ~ 96W ~ 128W
Input Voltage	:200-240 V AC 50/60 HZ
Power Factor	:>0,9
Effectiveness Factor	:>132+lm/W
Luminous Flux	:9504lm ~ 16896lm
Light Angle	:18°/40°/60°/20-70°
Color Temperature (CCT)	:3000K /4000K/5000K/ 6500K
Color Rendering Index (CRI)	:80+
IP Protection Class	IP 66 / IP67 (Optional)
Dimensions	:330x330x154 mm / 1200x115x85 mm
Weight	:7,9 kg
Warranty Period	:5 Years

Optical and Electrical Properties

Body	Aluminum Extrusion	CE Marking	Yes
Color Options	Black, Gray	RoHS Compliance	Yes
Front Cover	Tempered Glass	Lifetime	≥60,000 Hours
Lens	PMMA	Throttling Options	1-10V, TRIAC, DALI
Light Source	LED	Operating Temperature	-25°/+55°C
Impact Resistance	IK 08- IK 10 (Optional)	Total Harmonic Distortion	<%20

Technical Drawing and Connection Diagram



CAPELLA 72W/96W/128W

Product Code	Power	Input Voltage	Luminous Flux	Light Angle	Dimensions	Weight
CPL-072SM-00601-865-7016	72W	200-240 V AC 50/60 Hz	9504 lm	60°	330x330x154 mm	7,9 kg
CPL-096SM-00601-865-7016	96W	200-240 V AC 50/60 Hz	12672 lm	60°	330x330x154 mm	7,9 kg
CPL-128SM-00601-865-7016	128W	200-240 V AC 50/60 Hz	16896 lm	60°	330x330x154 mm	7,9 kg
CPL-072SM-00401-865-7016	72W	200-240 V AC 50/60 Hz	9028 lm	40°	330x330x154 mm	7,9 kg
CPL-072SM-00401-865-7016	96W	200-240 V AC 50/60 Hz	12038 lm	40°	330x330x154 mm	7,9 kg
CPL-128SM-00401-865-7016	128W	200-240 V AC 50/60 Hz	16051 lm	40°	330x330x154 mm	7,9 kg

LUMISTAR HIGH CEILING LUMINAIRE 100W



General Application Areas



City Lighting



Sea Ports and
Parking lot



Parks



Environment and
Safety Lighting

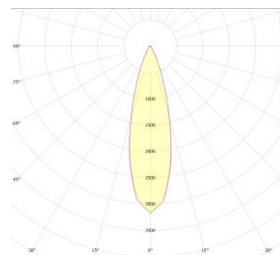
General Information

The Lumistar High Bay LED Luminaire has been designed for use in industrial plants, warehouses, and sports facilities with ceiling heights ranging from 7 meters to 25 meters.

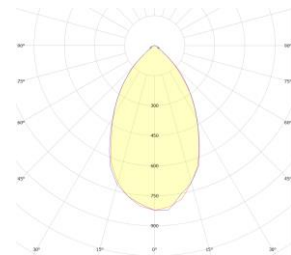
The Lumistar boasts a high degree of mechanical protection (IK08), water and dust protection (IP66), and proven chemical resistance, making it an ideal choice for harsh industrial environments. It is a robust, compact, and reliable luminaire with excellent light quality. With 30°, 60°, 90°, and asymmetric light distribution options, the Lumistar is well-suited to meet the unique lighting needs of factories.

The Lumistar series of luminaires allows you to replace your existing luminaires and meet the criteria for efficiency, energy saving, and improved light management. It can also be integrated into your Industry 4.0 work with 1-10V, DALI, and KNX automation control possibilities.

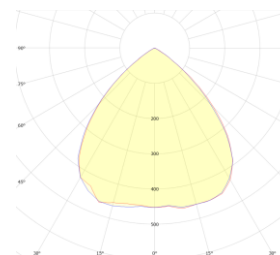
Optical Beam Angles



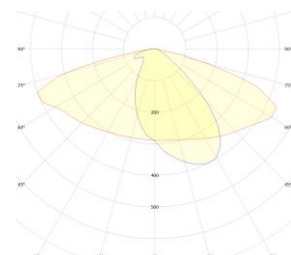
30°



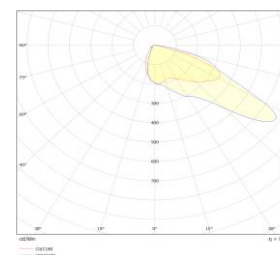
60°



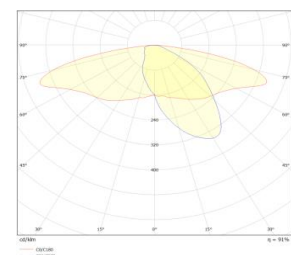
90



64° - 150°



ASY



ASY

LUMISTAR HIGH CEILING LUMINAIRE 100W

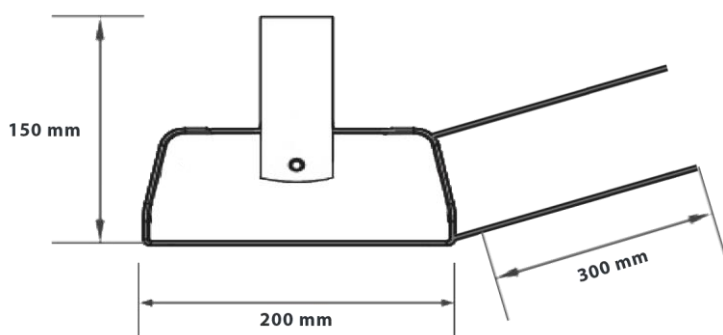
Technical Specifications

Body	:Aluminum Injection
IP Protection Class	:IP 65
Luminous Flux	:13500 lm
Light Source	:LED
Test Standards	:TS EN 60598-1, TS EN 60598-2-3, TS EN 62031, TS IEC TR 62471, TS EN 60529, TS EN 62262, TS EN 62722-2-1

Optical and Electrical Properties

Power	100W	Light Angle	30° / 60° / 90° / ASY
CE Marking	Yes	CE Marking	>0,9
Optic	PMMA / PC	Max Voltage Withstand	1kV - 4kV (10kV Optional)
Effectiveness Factor	>135 lm/W	Color Temperature	2200K/3000K/4000K/5000 K/6500K
Input Voltage	50/60 HZ	CRI	>70
Total Harmonic Distortion	<%20	Operating Temperature	-25°C / +55°C
Dimensions	200*300*150mm	LED Lifetime	60,000 Hours

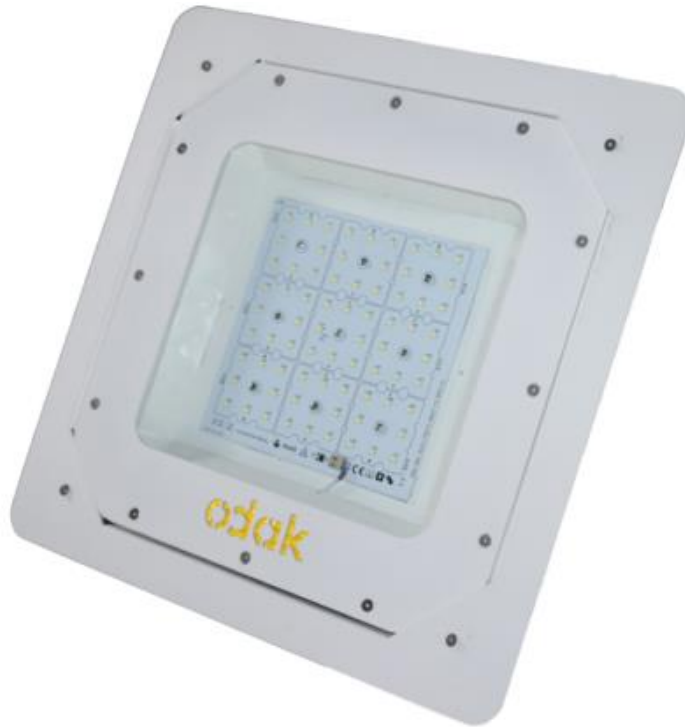
Technical Drawing (Side View) and Connection Diagram



Product Order Information

Product Code	Power	Effectiveness Factor	Input Voltage	CCT	Luminous Flux	Light Angle	Dimensions
LMS-100BB-00301-865-7016	100W	>135 lm/W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	13500lm	30°	200X300X150mm
LMS-100BB-00601-865-7016	100W	>135 lm/W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	13500lm	60°	200X300X150mm
LMS-100BB-00901-865-7016	100W	>135 lm/W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	13500lm	90°	200X300X150mm
LMS-100BB-ASY11-865-7016	100W	>135 lm/W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	13500lm	ASY1°	200X300X150mm
LMS-100DM-00301-865-7016	100W	>135 lm/W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	13500lm	30°	200X300X150mm
LMS-100DM-00601-865-7016	100W	>135 lm/W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	13500lm	60°	200X300X150mm
LMS-100DM-00901-865-7016	100W	>135 lm/W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	13500lm	90°	200X300X150mm
LMS-100DM-ASY11-865-7016	100W	>135 lm/W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	13500lm	ASY1°	200X300X150mm

CANOPUS Gas Station Lighting Fixture 72W ~ 96W ~ 128 W



General Application Areas



Factories

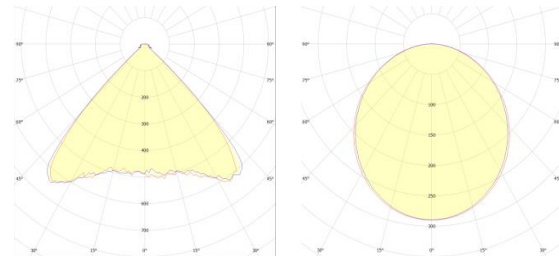


Gas Stations

General Information

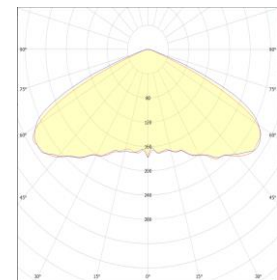
The Canopy/Gas Station Lighting Luminaire is a high-power luminaire with various lenses designed for ceiling heights up to 6 m. The luminaires feature an efficient, compact chassis structure and LED modules with high energy efficiency. The product is available in two angle versions, 90° and 110°, for use in gas stations. It is also classified according to energy consumption. The gas station lighting can be designed and produced by determining different light and power values according to the ceiling height and dimensions of the area to be illuminated.

Optical Beam Angles



90°

110°



120°

CANOPUS Gas Station Lighting Fixture 72W ~ 96W ~ 128 W

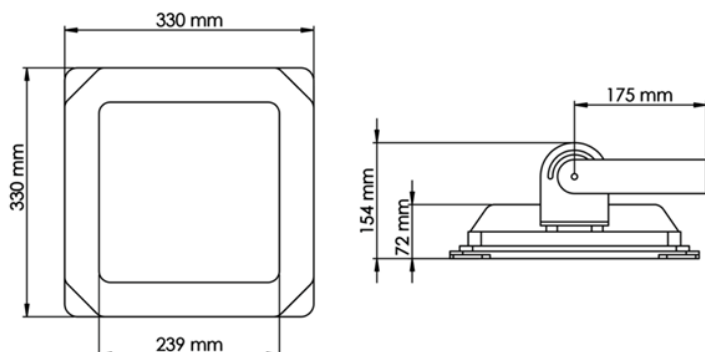
Technical Specifications

Power	:72W ~ 96W ~ 128 W
Input Voltage	:200-240 V AC 50/60 HZ
Power Factor	:>0,9
Effectiveness Factor	:>132+lm/W
Luminous Flux	:9504lm ~ 16896lm
Light Angle	:90°/110°/120°
Color Temperature (CCT)	:3000K /4000K/5000K/ 6500K
Color Rendering Index (CRI)	:80+
IP Protection Class	:IP 65 / IP66 (Optional)
Frameless Dimensions	:330mm x 330mm x 75mm
Framed Dimensions	:400mm x 400mm x 120mm
Weight	:7,9 kg
Warranty Period	:5 Years

Optical and Electrical Properties

Body	Aluminum Injection	CE Marking	Yes
Color Options	Black, Gray	RoHS Compliance	Yes
Front Cover	Tempered Glass	Lifetime	≥60,000 Hours
Lens	PMMA	Throttling Options	1-10V, TRIAC, DALI
Light Source	LED	Operating Temperature	-25°/+55°C
Impact Resistance	IK 08- IK 10 (Optional)	Total Harmonic Distortion	<%20

Technical Drawing and Connection Diagram



CANOPUS PRODUCT VARIATIONS

Product Variations

Product Code	Power	Input Voltage	Luminous Flux	Light Angle	Frameless Sizes	Framed Sizes	Weight
CNP-072RM-00902-865-9010	72W	200-240 V AC 50/60 Hz	9504 lm	90°	330x330x75 mm	400mm x 400mm x 120mm	7,9 kg
CNP-096RM-00902-865-9010	96W	200-240 V AC 50/60 Hz	12672 lm	90°	330x330x75 mm	400mm x 400mm x 120mm	7,9 kg
CNP-128RM-00902-865-9010	128W	200-240 V AC 50/60 Hz	16896 lm	90°	330x330x75 mm	400mm x 400mm x 120mm	7,9 kg
CNP-072RM-01102-865-9010	72W	200-240 V AC 50/60 Hz	9072 lm	110°	330x330x75 mm	400mm x 400mm x 120mm	7,9 kg
CNP-096RM-01102-865-9010	96W	200-240 V AC 50/60 Hz	12096 lm	110°	330x330x75 mm	400mm x 400mm x 120mm	7,9 kg
CNP-128RM-01102-865-9010	128W	200-240 V AC 50/60 Hz	16896 lm	110°	330x330x75 mm	400mm x 400mm x 120mm	7,9 kg
CNP-072RM-01202-865-9010	72W	200-240 V AC 50/60 Hz	7920 lm	120°	330x330x75 mm	400mm x 400mm x 120mm	7,9 kg
CNP-096RM-01202-865-9010	96W	200-240 V AC 50/60 Hz	10560 lm	120°	330x330x75 mm	400mm x 400mm x 120mm	7,9 kg
CNP-128RM-01202-865-9010	128W	200-240 V AC 50/60 Hz	16896 lm	120°	330x330x75 mm	400mm x 400mm x 120mm	7,9 kg

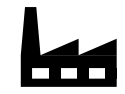
Bellatrix Linear Lighting Fixture

33 ~ 59W

odak® R&D CENTER
smart city technologies



General Application Areas



Factories



Sports Halls

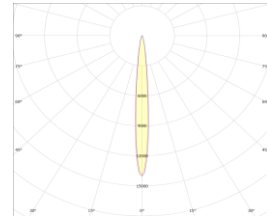


Airports

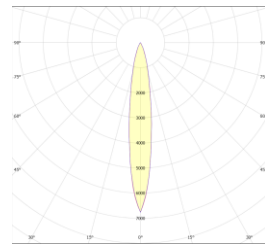


Warehouse

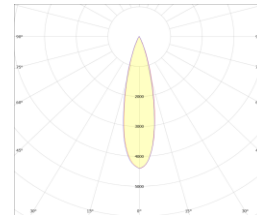
Optical Beam Angles



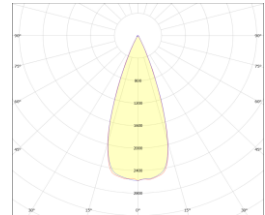
8°



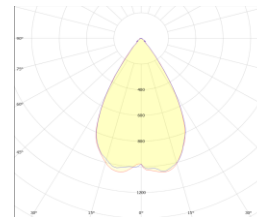
17°



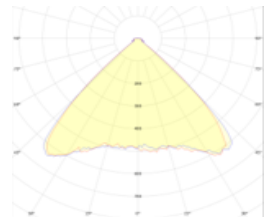
25°



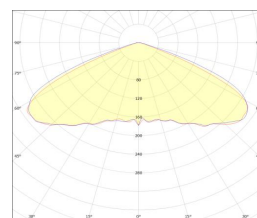
45°



60°



90°



110°

General Information

The Bellatrix industrial lighting luminaire, named after the Bellatrix star, which has been used as a brightness standard for many years, is designed to replace traditional products with fluorescent light sources in order to provide uninterrupted service in harsh industrial conditions with high temperature, humidity, water and temperature differences.

This product is suitable for use in a variety of indoor environments, including industrial facilities, industrial kitchens, car-carpet washing workshops, baths, laundries, and outdoor areas such as parking lots and gardens.

The Bellatrix luminaire's aluminum extrusion body allows it to withstand high temperatures, making it an ideal choice for use in challenging environments. Its durable, slim, and stylish design is quick and easy to install, offering a seamless integration into any setting. As a direct alternative to traditional fluorescent luminaires, it provides an average of 50% energy savings with its longer life and durable structure, making it an excellent choice for both cost and sustainability.

Bellatrix Linear Lighting Fixture

33 ~ 59W

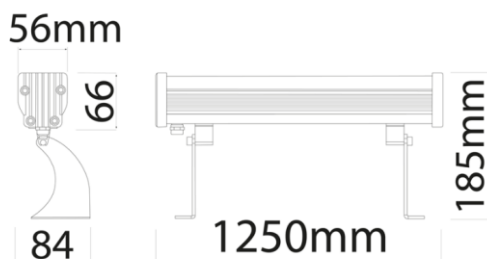
Technical Specifications

Body	:Aluminum Extrusion
IP Protection Class	:IP66
Luminous Flux	:4356lm ~ 7375lm
Light Source	:LED
Test Standards	:TS EN 60598TS, EN 60529, TS EN 62031TS, EN 62262, TS IEC TR 62471TS, EN 62722-2-1

Optical and Electrical Properties

Power	33 ~ 59W	Light Angle	8°/17°/25°/45°/60°/90°/110°
CE Marking	Yes	Power Factor	>0,9
Optic	PMMA / PC	Max Voltage Withstand	2kV
Effectiveness Factor	132 lm/W	Color Temperature	3000K/4000K/5000K/6500K
Input Voltage	200-240 V AC 50/60 HZ	CRI	>80
Total Harmonic Distortion	<%15	Input Voltage	200-240 V AC 50/60 HZ
Dimensions	1250x56x66 mm	Weight	2460 gr

Technical Drawing (Side View) and Connection Diagram



Product Variations

Product Code	Power	Input Voltage	CCT	Efficiency Factor(lm/W)	Luminous Flux	Light Angle	Dimensions	Weight (gr)	Mounting Type
BLX-033CT-01101-865-9006	33W	200-240 V AC 50/60 Hz	6500K	132	4356lm	110°	1250X56X66mm	2460	Surface Mounted / Cable Tray
BLX-042CT-01101-865-9006	42W	200-240 V AC 50/60 Hz	6500K	132	5544lm	110°	1250X56X66mm	2460	Surface Mounted / Cable Tray
BLX-050CT-01101-865-9006	50W	200-240 V AC 50/60 Hz	6500K	125	6250lm	110°	1250X56X66mm	2460	Surface Mounted / Cable Tray
BLX-059CT-01101-865-9006	59W	200-240 V AC 50/60 Hz	6500K	125	7375lm	110°	1250X56X66mm	2460	Surface Mounted / Cable Tray
BLX-033WL-01101-865-9006	33W	200-240 V AC 50/60 Hz	6500K	132	4356lm	65°	1250X56X66mm	2460	Wall (Angled)
BLX-042WL-01101-865-9006	42W	200-240 V AC 50/60 Hz	6500K	132	5544lm	65°	1250X56X66mm	2460	Wall (Angled)
BLX-050WL-01101-865-9006	50W	200-240 V AC 50/60 Hz	6500K	125	6250lm	65°	1250X56X66mm	2460	Wall (Angled)
BLX-059WL-01101-865-9006	59W	200-240 V AC 50/60 Hz	6500K	125	7375lm	65°	1250X56X66mm	2460	Wall (Angled)
BLX-033CT-01101-865-00CE	33W	200-240 V AC 50/60 Hz	6500K	132	4356lm	110°	1250X56X66mm	2460	Surface Mounted / Cable Tray
BLX-042CT-01101-865-00CE	42W	200-240 V AC 50/60 Hz	6500K	132	5544lm	110°	1250X56X66mm	2460	Surface Mounted / Cable Tray
BLX-050CT-01101-865-00CE	50W	200-240 V AC 50/60 Hz	6500K	125	6250lm	110°	1250X56X66mm	2460	Surface Mounted / Cable Tray
BLX-059CT-01101-865-00CE	59W	200-240 V AC 50/60 Hz	6500K	125	7375lm	110°	1250X56X66mm	2460	Surface Mounted / Cable Tray
BLX-033WL-01101-865-00CE	33W	200-240 V AC 50/60 Hz	6500K	132	4356lm	65°	1250X56X66mm	2460	Wall (Angled)
BLX-042WL-01101-865-00CE	42W	200-240 V AC 50/60 Hz	6500K	132	5544lm	65°	1250X56X66mm	2460	Wall (Angled)
BLX-050WL-01101-865-00CE	50W	200-240 V AC 50/60 Hz	6500K	125	6250lm	65°	1250X56X66mm	2460	Wall (Angled)
BLX-059WL-01101-865-00CE	59W	200-240 V AC 50/60 Hz	6500K	125	7375lm	65°	1250X56X66mm	2460	Wall (Angled)

LYRA Linear High Bay Luminaire

56W ~ 133 W

odak® R&D CENTER
smart city technologies



General Application Areas



Factories



Sports Halls

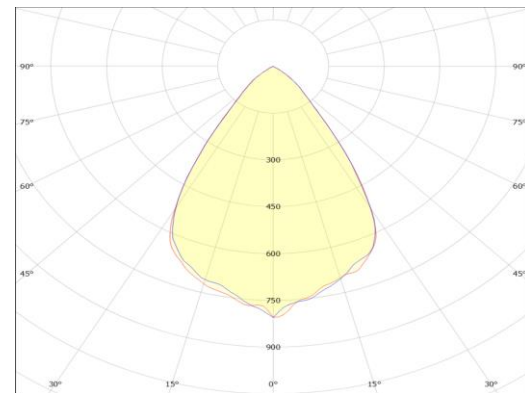


Airports

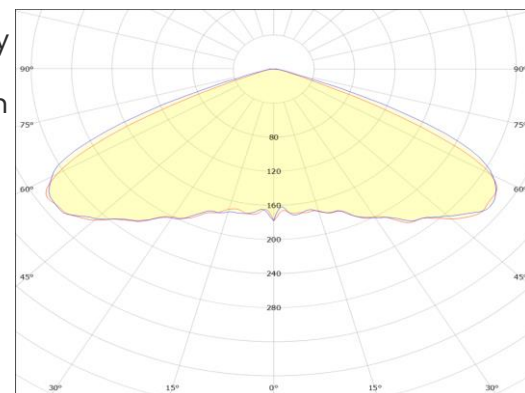


Office

Optical Beam Angles



65°



110°

General Information

The Lyra Linear High Bay LED Luminaire has been designed to replace traditional products with fluorescent light sources, particularly in industrial plants, warehouses, and sports facilities with ceiling heights ranging from 7 to 12 meters. The Lyra is one of the most modern constellations in the sky. We have named our Linear High Bay Luminaire "Lyra," inspired by modern lines.

The Lyra series of luminaires provides uninterrupted, high-quality light for 365 days a year in your facilities. The maintenance-free, easy-to-install mechanical structure ensures minimal disruption to your operations. The Lyra series luminaires are constructed with carefully selected components to ensure a long lifespan. The product boasts a high degree of mechanical protection (IK08), water and dust protection (IP66), and proven chemical resistance, making it perfectly suited to withstand the harsh conditions typically found in industrial environments. This luminaire is highly robust, compact, and reliable, offering excellent light quality. The 65° and 110° light distribution options allow it to meet the lighting needs of factories. The Lyra series luminaires can be used to replace existing luminaires, allowing you to fully meet the criteria of efficiency, energy saving, and improved light management. Additionally, they can be integrated into Industry 4.0 work with 1-10V, DALI, and KNX automation control possibilities.

LYRA Linear High Bay Luminaire

56W ~ 133 W

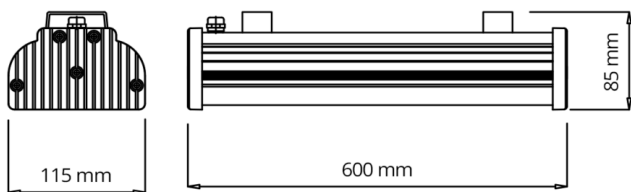
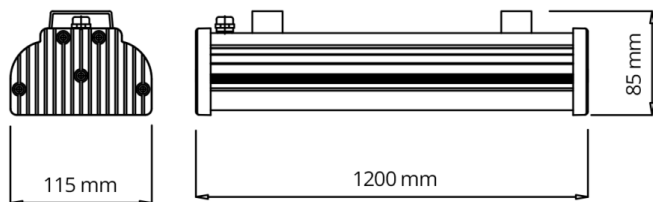
Technical Specifications

Body	:Aluminum Extrusion
IP Protection Class	:IP 65-IP 66 Optional
Luminous Flux	:4900 lm ~ 17556 lm
Light Source	:LED
Test Standards	:TS EN 60598TS, EN 60598-2-1, EN 60529, TS EN 62031TS, EN 62262, TS IEC TR 62471TS, EN 62722-2-1

Optical and Electrical Properties

Power	56W ~ 133 W	Light Angle	65°/110°
CE Marking	Yes	Power Factor	>0,9
Optic	PMMA / PC	Max Voltage Withstand	2kV
Effectiveness Factor	>120 lm/W	Color Temperature	3000K/4000K/5000K/6500K
Input Voltage	200-240 V AC 50/60 HZ	CRI	>80
Total Harmonic Distortion	<%15	Input Voltage	200-240 V AC 50/60 HZ
Dimensions	1200x115x112 mm	Weight	4 kg

Technical Drawing (Side View) and Connection Diagram



LYRA PRODUCT VARIATIONS

LYRA 56W/65W

Product Code	Power	Input Voltage	CCT	Efficiency Factor(lm/W)	Luminous Flux	Light Angle	Dimensions	Weight (gr)	Body Color	Mounting Type
LYR-35CT-01101-865-00CE	35 W	200-240 V AC 50/60 Hz	6500K	140	4900 lm	110°	1200x115x112 mm	4000	Anodizing	Surface Mounted / Cable Tray
LYR-46CT-01101-865-00CE	46 W	200-240 V AC 50/60 Hz	6500K	132	6072 lm	110°	1200x115x112 mm	4000	Anodizing	Surface Mounted / Cable Tray
LYR-56CT-01101-865-00CE	56 W	200-240 V AC 50/60 Hz	6500K	126	7056 lm	110°	1200x115x112 mm	4000	Anodizing	Surface Mounted / Cable Tray
LYR-65CT-00651-865-00CE	65 W	200-240 V AC 50/60 Hz	6500K	120	12000 lm	65°	1200x115x112 mm	4000	Anodizing	Surface Mounted / Cable Tray
LYR-35CT-00651-865-00CE	35 W	200-240 V AC 50/60 Hz	6500K	140	4900 lm	65°	1200x115x112 mm	4000	Anodizing	Surface Mounted / Cable Tray
LYR-46CT-00651-865-00CE	46 W	200-240 V AC 50/60 Hz	6500K	132	6072 lm	65°	1200x115x112 mm	4000	Anodizing	Surface Mounted / Cable Tray
LYR-56CT-00651-865-00CE	56 W	200-240 V AC 50/60 Hz	6500K	126	7056 lm	110°	1200x115x112 mm	4000	Anodizing	Surface Mounted / Cable Tray
LYR-65CT-00651-865-00CE	65 W	200-240 V AC 50/60 Hz	6500K	120	12000 lm	110°	1200x115x112 mm	4000	Anodizing	Surface Mounted / Cable Tray
LYR-35CT-01101-865-9006	35 W	200-240 V AC 50/60 Hz	6500K	140	4900 lm	65°	1200x115x112 mm	4000	RAL 9006	Surface Mounted / Cable Tray
LYR-46CT-01101-865-9006	46 W	200-240 V AC 50/60 Hz	6500K	132	6072 lm	65°	1200x115x112 mm	4000	RAL 9006	Surface Mounted / Cable Tray
LYR-56CT-01101-865-9006	56 W	200-240 V AC 50/60 Hz	6500K	126	7056 lm	65°	1200x115x112 mm	4000	RAL 9006	Surface Mounted / Cable Tray
LYR-65CT-01101-865-9006	65 W	200-240 V AC 50/60 Hz	6500K	120	12000 lm	65°	1200x115x112 mm	4000	RAL 9006	Surface Mounted / Cable Tray
LYR-35CT-00651-865-9006	35 W	200-240 V AC 50/60 Hz	6500K	140	4900 lm	65°	1200x115x112 mm	4000	RAL 9006	Surface Mounted / Cable Tray
LYR-46CT-00651-865-9006	46 W	200-240 V AC 50/60 Hz	6500K	132	6072 lm	65°	1200x115x112 mm	4000	RAL 9006	Surface Mounted / Cable Tray
LYR-56CT-00651-865-9006	56 W	200-240 V AC 50/60 Hz	6500K	126	7056 lm	65°	1200x115x112 mm	4000	RAL 9006	Surface Mounted / Cable Tray
LYR-65CT-00651-865-9006	65 W	200-240 V AC 50/60 Hz	6500K	120	12000 lm	65°	1200x115x112 mm	4000	RAL 9006	Surface Mounted / Cable Tray

LYRA PRODUCT VARIATIONS

LYRA 85W/100W

Product Code	Power	Input Voltage	CCT	Efficiency Factor (lm/W)	Luminous Flux	Light Angle	Dimensions	Weight (gr)	Body Color	Mounting Type
LYR-54CT-01101-865-00CE	54 W	200-240 V AC 50/60 Hz	6500K	140	7560 lm	110°	1200x115x112 mm	4000	Anodizing	Surface Mounted / Cable Tray
LYR-70CT-01101-865-00CE	70 W	200-240 V AC 50/60 Hz	6500K	132	9240 lm	110°	1200x115x112 mm	4000	Anodizing	Surface Mounted / Cable Tray
LYR-85CT-01101-865-00CE	85 W	200-240 V AC 50/60 Hz	6500K	126	10710 lm	110°	1200x115x112 mm	4000	Anodizing	Surface Mounted / Cable Tray
LYR-100CT-00651-865-7016	100 W	200-240 V AC 50/60 Hz	6500K	120	12000 lm	65°	1200x115x112 mm	4000	Anodizing	Surface Mounted / Cable Tray
LYR-54CT-00651-865-00CE	54 W	200-240 V AC 50/60 Hz	6500K	140	7560 lm	65°	1200x115x112 mm	4000	Anodizing	Surface Mounted / Cable Tray
LYR-70CT-00651-865-00CE	70 W	200-240 V AC 50/60 Hz	6500K	132	9240 lm	65°	1200x115x112 mm	4000	Anodizing	Surface Mounted / Cable Tray
LYR-85CT-00651-865-00CE	85 W	200-240 V AC 50/60 Hz	6500K	126	10710 lm	110°	1200x115x112 mm	4000	Anodizing	Surface Mounted / Cable Tray
LYR-100CT-00651-865-00CE	100 W	200-240 V AC 50/60 Hz	6500K	120	12000 lm	110°	1200x115x112 mm	4000	Anodizing	Surface Mounted / Cable Tray
LYR-54CT-01101-865-9006	54 W	200-240 V AC 50/60 Hz	6500K	140	7560 lm	65°	1200x115x112 mm	4000	RAL 9006	Surface Mounted / Cable Tray
LYR-70CT-01101-865-9006	70 W	200-240 V AC 50/60 Hz	6500K	132	9240 lm	65°	1200x115x112 mm	4000	RAL 9006	Surface Mounted / Cable Tray
LYR-85CT-01101-865-9006	85 W	200-240 V AC 50/60 Hz	6500K	126	10710 lm	65°	1200x115x112 mm	4000	RAL 9006	Surface Mounted / Cable Tray
LYR-100CT-01101-865-9006	100 W	200-240 V AC 50/60 Hz	6500K	120	12000 lm	65°	1200x115x112 mm	4000	RAL 9006	Surface Mounted / Cable Tray
LYR-54CT-00651-865-9006	54 W	200-240 V AC 50/60 Hz	6500K	140	7560 lm	65°	1200x115x112 mm	4000	RAL 9006	Surface Mounted / Cable Tray
LYR-70CT-00651-865-9006	70 W	200-240 V AC 50/60 Hz	6500K	132	9240 lm	65°	1200x115x112 mm	4000	RAL 9006	Surface Mounted / Cable Tray
LYR-85CT-00651-865-9006	85 W	200-240 V AC 50/60 Hz	6500K	126	10710 lm	65°	1200x115x112 mm	4000	RAL 9006	Surface Mounted / Cable Tray
LYR-100CT-00651-865-9006	100 W	200-240 V AC 50/60 Hz	6500K	120	12000 lm	65°	1200x115x112 mm	4000	RAL 9006	Surface Mounted / Cable Tray

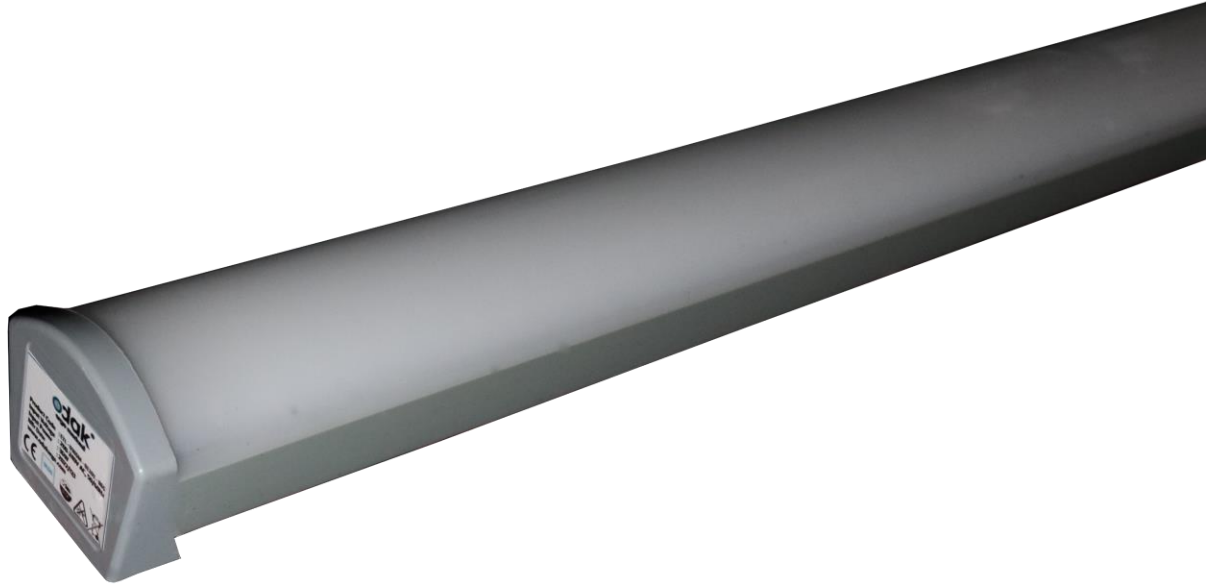
LYRA PRODUCT VARIATIONS

LYRA 113W/133W

Product Code	Power	Input Voltage	CCT	Efficiency Factor(lm/W)	Luminous Flux	Light Angle	Dimensions	Weight (gr)	Body Color	Mounting Type
LYR-72CT-01101-865-00CE	72	200-240 V AC 50/60 Hz	6500K	126	9072	110°	1200x115x112 mm	4000	Anodizing	Surface Mounted / Cable Tray
LYR-93CT-01101-865-00CE	93	200-240 V AC 50/60 Hz	6500K	126	11718	110°	1200x115x112 mm	4000	Anodizing	Surface Mounted / Cable Tray
LYR-113CT-01101-865-00CE	113	200-240 V AC 50/60 Hz	6500K	120	13560	110°	1200x115x112 mm	4000	Anodizing	Surface Mounted / Cable Tray
LYR-133CT-01101-865-00CE	133	200-240 V AC 50/60 Hz	6500K	120	15960	110°	1200x115x112 mm	4000	Anodizing	Surface Mounted / Cable Tray
LYR-72CT-00651-865-00CE	72	200-240 V AC 50/60 Hz	6500K	140	10080	65°	1200x115x112 mm	4000	Anodizing	Surface Mounted / Cable Tray
LYR-93CT-00651-865-00CE	93	200-240 V AC 50/60 Hz	6500K	140	13020	65°	1200x115x112 mm	4000	Anodizing	Surface Mounted / Cable Tray
LYR-113CT-00651-865-00CE	113	200-240 V AC 50/60 Hz	6500K	132	14916	65°	1200x115x112 mm	4000	Anodizing	Surface Mounted / Cable Tray
LYR-133CT-00651-865-00CE	133	200-240 V AC 50/60 Hz	6500K	132	17556	65°	1200x115x112 mm	4000	Anodizing	Surface Mounted / Cable Tray
LYR-72CT-01101-865-7035	72	200-240 V AC 50/60 Hz	6500K	126	9072	110°	1200x115x112 mm	4000	RAL 9006	Surface Mounted / Cable Tray
LYR-93CT-01101-865-7035	93	200-240 V AC 50/60 Hz	6500K	126	11718	110°	1200x115x112 mm	4000	RAL 9006	Surface Mounted / Cable Tray
LYR-113CT-01101-865-7035	113	200-240 V AC 50/60 Hz	6500K	120	13560	110°	1200x115x112 mm	4000	RAL 9006	Surface Mounted / Cable Tray
LYR-133CT-01101-865-7035	133	200-240 V AC 50/60 Hz	6500K	120	15960	110°	1200x115x112 mm	4000	RAL 9006	Surface Mounted / Cable Tray
LYR-72CT-00651-865-7035	72	200-240 V AC 50/60 Hz	6500K	140	10080	65°	1200x115x112 mm	4000	RAL 9006	Surface Mounted / Cable Tray
LYR-93CT-00651-865-7035	93	200-240 V AC 50/60 Hz	6500K	140	13020	65°	1200x115x112 mm	4000	RAL 9006	Surface Mounted / Cable Tray
LYR-113CT-00651-865-7035	113	200-240 V AC 50/60 Hz	6500K	132	14916	65°	1200x115x112 mm	4000	RAL 9006	Surface Mounted / Cable Tray
LYR-133CT-00651-865-7035	133	200-240 V AC 50/60 Hz	6500K	132	17556	65°	1200x115x112 mm	4000	RAL 9006	Surface Mounted / Cable Tray

HYDRA Etanage Armature

18W ~ 36W ~ 65W



General Application Areas



Closed Parking lots



Industrial Kitchen



Auto Washings

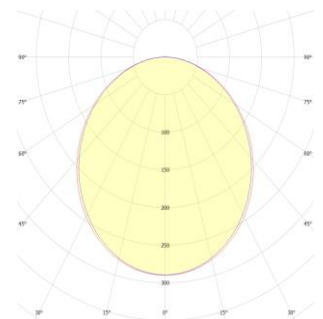


Indoor Sports Halls



Schools

Optical Beam Angles



110°

General Information

Ethane Luminaires are designed to protect lighting fixtures from water and moisture in a variety of indoor and outdoor settings. Ideal for use in industrial kitchens, bathrooms, car-carpet washing workshops, baths, laundries, and outdoor areas such as parking lots and gardens, Ethane Luminaires are also suitable as a direct alternative to traditional fluorescent luminaires, offering significant energy savings. Their durable, slim, and stylish design makes installation quick and easy.

HYDRA Etange Armature

18W ~ 36W ~ 65W

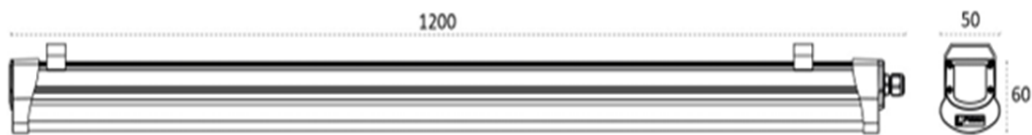
Technical Specifications

Power	:18W ~ 36W ~ 65W ± %3
Input Voltage	:200-240 V AC 50/60 HZ
Power Factor	:>0,95
Effectiveness Factor	:105+lm/W
Luminous Flux	:1890lm ~ 6825 lm
Light Angle	:110°
Color Temperature (CCT)	:6500K
Color Rendering Index (CRI)	:80+
IP Protection Class	:IP 65
Dimensions	:50x60x1200 mm
Weight	:0,65 kg
Warranty Period	:3 Years

Optical and Electrical Properties

Body	Polycarbonate Extrusion	CE Marking	Yes
Color Options	Gray RAL 7016	RoHS Compliance	Yes
Light Source	LED	Lifetime	≥60,000 Hours
Impact Resistance	IK 08	Throttling Options	1-10V, TRIAC, DALI
Total Harmonic Distortion	<%20	Operating Temperature	-25°/+55°C

Technical Drawing and Connection Diagram



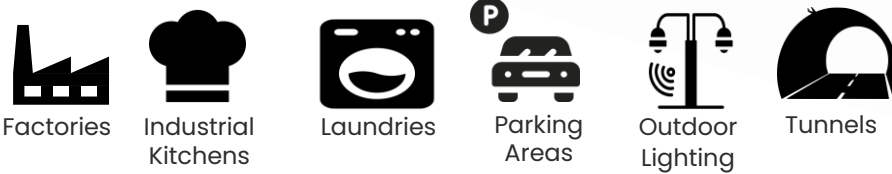
HYDRA PRODUCT VARIATIONS

Product Code	Power	Input Voltage	Luminous Flux	Light Angle	Dimensions	Weight
HYD-018SM-01101-865	18W	200-240 V AC 50/60 Hz	1890 lm	110°	50X60X600 mm	0,4 kg
HYD-036SM-01101-865	36W	200-240 V AC 50/60 Hz	3780 lm	110°	50X60X1200 mm	0,65 kg
HYD-065SM-01101-865	65W	200-240 V AC 50/60 Hz	6825 lm	110°	50X60X1500 mm	0,85 kg

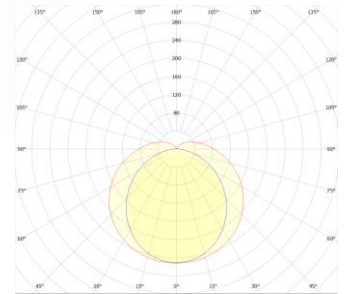
HYDRA Fix-S Low Ceiling Luminaire



General Application Areas



Optical Beam Angles



120°

Hydra-Fix S offers a reliable and flexible lighting solution that is built to last, combining quality, durability, and functionality.

The Hydra-Fix S is distinguished by its innovative design, which facilitates opening and maintenance on-site. This feature enables input-output connection between luminaires, allowing for swift and efficient maintenance operations without unnecessary delays. The 4X2.5mm cable connection allows for long liner connections, enabling the emergency line to be taken from the beginning to the end of the liner. The M20 cable reconstructor ensures that cable connections remain unaffected by vibration and shock while maintaining tightness and IP65 protection. The product is both robust and straightforward to install, which is crucial for maintaining business continuity.

Hydra-Fix S offers a significant reduction in energy consumption compared to conventional fluorescent luminaires, with savings of at least 50%. The payback period is less than two years, making it an attractive investment for businesses.

The Hydra Fix S lighting fixture offers a sustainable solution to users by providing long life and low energy consumption with modern LED technology. Compatible with automation, the fixture has 1-10V and DALI options, as well as corridor function and 3-hour emergency kit support, available upon request.

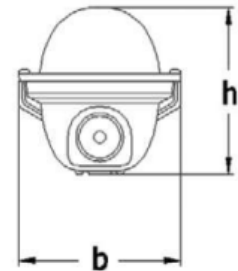
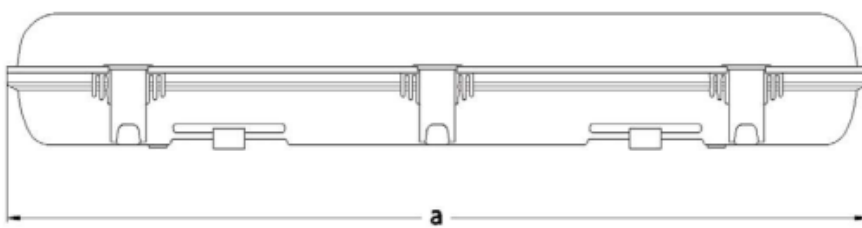
Technical Specifications

Power	:39 W ± %3
Input Voltage	:200-240 V AC 50/60 HZ
Power Factor	:>0,95
Effectiveness Factor	:105+lm/W
Luminous Flux	:4095lm
Light Angle	:120°
Color Temperature (CCT)	:6500K
Color Rendering Index (CRI)	:80+
IP Protection Class	:IP 65
Dimensions	:1280X95X102
Weight	:2,2 kg
Test Standards	:EN 60598-1, EN 60529, EN 60598-2-5, IEC TR 62778, LM 79-18
Warranty Period	:3 Years

Optical and Electrical Properties

Body	Polycarbonate Injection	CE Marking	Yes
Color Options	Gray RAL 7016	RoHS Compliance	Yes
Light source	LED	Lifetime	≥60,000 Hours
Impact Resistance	IK 08	Throttling Options	1-10V, DALI
Total Harmonic Distortion	<%20	Operating Temperature	-25°/+55°C

Technical Drawing (Side View) and Wiring Diagram



Product Variations

Product Code	Power	Input Voltage	Luminous Flux	Light angle	Dimensions	Weight
HFS-039SM-01101-865	39	200-240 V AC 50/60 HZ	4095	120°	1280X95X102	2,2
HFS-039SM-01101-865/EMG3H	39	200-240 V AC 50/60 HZ	4095	120°	1280X95X102	2,2
HFS-080SM-01101-865	80	200-240 V AC 50/60 HZ	8400	120°	1280X95X102	2,2
HFS-080SM-01101-865/EMG3H	80	200-240 V AC 50/60 HZ	8400	120°	1280X95X102	2,2

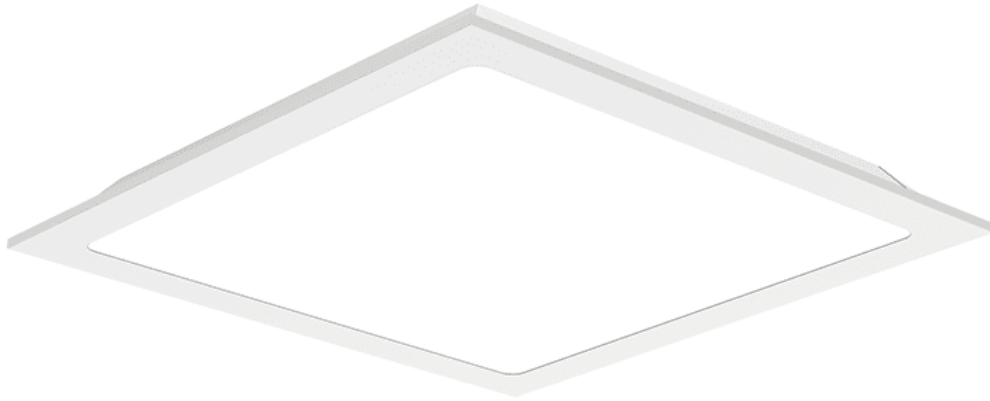


In today's world, where energy is becoming increasingly important, efficient energy use and reduced energy costs are among the top priorities for businesses. It is estimated that replacing traditional light sources (such as metal halide, fluorescent, and sodium vapor lighting fixtures) with LED light source fixtures can result in significant cost savings. These LED fixtures do not require changing the light source for up to five years and do not require maintenance, which can reduce overall expenditure. In addition, the energy savings provided by these LED fixtures can offset the cost of the luminaire within less than two years.

Please be advised that as of September 2023, T5 and T8 fluorescent and compact fluorescent tubes (CFL) will no longer be available for purchase in accordance with the European Commission's eco-design and RoHS directives. Consequently, the deployment of LED light source luminaires in offices and building interiors is on the rise. The low energy consumption of LED technology markedly curtails energy costs for businesses, thereby advancing sustainability objectives. Moreover, the extended lifespan of LED luminaires minimizes maintenance requirements and curtails operating costs. The potential for KNX or DALI automation and their compatibility with presence and daylight sensors offer further savings and flexibility. This enhances operational efficiency and maintains cost control.

LED luminaires are an environmentally friendly option due to their low energy consumption and minimal waste generation. Their flexible design allows for a range of solutions to meet diverse lighting needs, enhancing employee productivity and providing an attractive appearance in office settings. For businesses, LED light source luminaires are an ideal lighting solution, offering energy efficiency, longevity, and eco-friendly features.

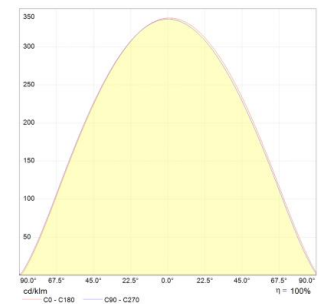
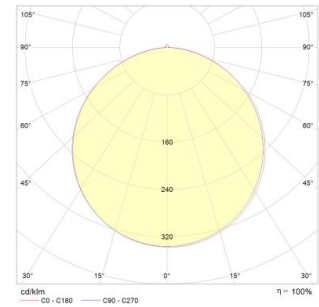
Rigel Recessed Office Lighting Fixture 15W ~ 63W



General Application Areas



Optical Beam Angles



General Information

Rigel Office Lighting Fixtures are an essential solution for general lighting in a wide range of settings, including offices, public buildings, hospitals, and schools. Rigel fixtures offer a simple, stylish, and consistent lighting experience, thanks to their UV-resistant diffuser with high light transmittance.

Opal PMMA Diffusers have been tested and meet the required standards. The Ral 9016 coded electrostatic powder-coated body and frame are manufactured using 0.50mm DKP sheet metal. The special design frame models make them suitable for use in decorative areas.

This flush-mounted luminaire is suitable for installation in both rockwool and plasterboard ceilings. The luminaire body, produced by the plaster injection method, provides a definitive solution to light leaks in your projects. The quick cable connection allows for easy maintenance, as the luminaire does not need to be opened. The LEDs used in the luminaire are LM80 and TM21 certified and have a lifetime of over 50,000 hours. European origin drivers provide automatic temperature control and protection against voltage peaks. Optional features include DALI, corridor function, 1-10V dimming, and emergency lighting kit application.

Rigel Recessed Office Lighting Fixture 15W ~ 63W

Highlights

Usage	: Recessed
Checkout	: 0,50mm DKP Sac
Diffuser	: High Transmittance PMMA or PC Opal Diffuser
Protection Class	: IP40
Impact Resistance	: IK02
Dimension	: 595x595x70
Led	: LM80, TM21, >60,000 Hours Life Mid Power LED
Driver	: ENEC, CE Certificated 5 Years Warranty Driver

Optical and Electrical Properties

Consumption Power	: 15W ~ 63W	Input Frequency	: 50 ~ 60 Hz
: 50 ~ 60 Hz	: 1497 lm ~ 7772 lm (±%5)	Power Factor	: ≥ 0.9
Combined Flare Index (UGR)	: <20	Max Tensile Strength	: 2kV
Effectiveness Factor	: >100 L/W	Color Temperature	: 4000K
Voltaj System	: 200-240V AC	CRI	: 80 CRI
THD-(Total Harmonic Distortion)	: <%20		

Other Features

Operating Temperature	: -20° ~ +50°C	Drive Life	: Ta=50°C 50,000 seconds
Led Lifespan	: L70 > 60,000 seconds		

Optional Features

Color Temperature	: 2700K, 3000K, 5000K, 6500K	Automation/DIM Compatibility	: DALI, 1-10V, Phase Cut(Triac), DALI, KNX, Bluetooth
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SOE Compatibility	: 1, 3 Hours
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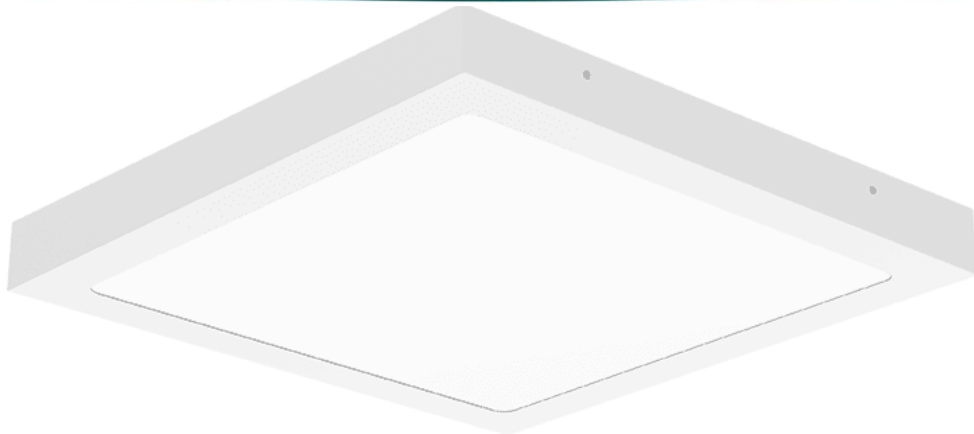
Product Variations

Product Code	Power	Power Factor	Light Color	CRI	Light Flux	Effectiveness Factor (L/W)	Dimensions
RGL-015RM-01101-840-9016	15 W	>0,95	4000K	>80	1497 lm	100	295*295*55 mm
RGL-023RM-01101-840-9016	23 W	>0,95	4000K	>80	2345 lm	102	295*595*65 mm
RGL-040RM-01101-840-9016	40 W	>0,95	4000K	>80	4105 lm	103	295*1195*65 mm
RGL-045RM-01101-840-9016	45W	>0,95	4000K	>80	4709 lm	105	295*1195*65 mm
RGL-034RM-01101-840-9016	34 W	>0,95	4000K	>80	4054 lm	119	595*595*65 mm
RGL-040RM-01101-840-9016	40 W	>0,95	4000K	>80	4402 lm	110	595*595*65 mm
RGL-044RM-01101-840-9016	44 W	>0,95	4000K	>80	4968 lm	113	595*595*65 mm
RGL-063RM-01101-840-9016	63 W	>0,95	4000K	>80	7772 lm	123	595*1195*65 mm

Shipping Information of Products

Product Code	Power	Product Weight (kg)	Carton Product Weight (kg)	Volume (m3)	Inside the Box Custom	Carton Product Dimensions (mm)
RGL-015RM-01101-840-9016	15 W	1	4,2	0,033201	4	620*315*170 mm
RGL-023RM-01101-840-9016	23 W	1,8	4	0,032147	2	620*315*170 mm
RGL-040RM-01101-840-9016	40 W	3,2	6,7	0,06403	2	310*1215*170 mm
RGL-045RM-01101-840-9016	45W	3,2	6,7	0,06403	2	310*1215*170mm
RGL-034RM-01101-840-9016	34 W	3,2	13	0,121086	4	610*625*310 mm
RGL-040RM-01101-840-9016	40 W	3,2	13	0,121086	4	610*625*310 mm
RGL-044RM-01101-840-9016	44 W	3,2	13	0,121086	4	610*625*310 mm
RGL-063RM-01101-840-9016	63 W	5,8	12	0,125995	2	620*1215*170 mm

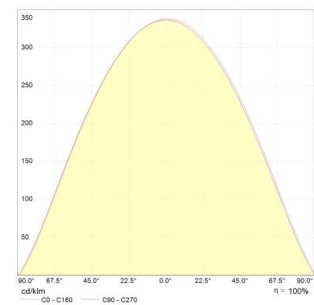
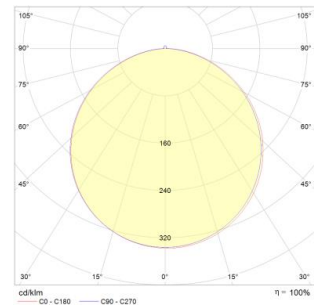
Rigel Surface Mounted Office Lighting Fixture 15W ~ 63W



General Application Areas



Optical Beam Angles



General Information

Rigel Office Lighting Fixtures are an essential solution for general lighting in a wide range of settings, including offices, public buildings, hospitals, and schools. Rigel fixtures offer a simple, stylish, and consistent lighting experience, thanks to their UV-resistant diffuser with high light transmittance.

Opal PMMA Diffusers have been tested and meet the required standards. The Ral 9016 coded electrostatic powder-coated body and frame are manufactured using 0.50mm DKP sheet metal. The special design frame models make them suitable for use in decorative areas.

The luminaire body produced by the plaster injection method provides a definitive solution to light leaks in your projects. The luminaire's quick cable connection eliminates the need for opening the unit, greatly simplifying maintenance. The LEDs used in the luminaire are LM80 and TM21 certified and have a lifetime of over 50,000 hours, ensuring long-lasting performance. European origin drivers provide automatic temperature control and protection against voltage peaks. Optional features such as DALI, corridor function, 1-10V dimming, and emergency lighting kit application are also available.

Rigel Surface Mounted Office Lighting Fixture 15W ~ 63W

Highlights

Usage	: Surface Mounted
Checkout	: 0,50mm DKP Sac
Diffuser	: High Transmittance PMMA or PC Opal Diffuser
Protection Class	: IP40
Impact Resistance	: IK02
Dimension	: 595x595x70
Led	: LM80, TM21, >60,000 Hours Life Mid Power LED
Driver	: ENEC, CE Certificated 5 Years Warranty Driver

Optical and Electrical Properties

Consumption Power	: 15W ~ 63W	Input Frequency	: 50 ~ 60 Hz
Total Lumens	: 1497 lm ~ 7772 lm (±%5)	Power Factor	: ≥ 0.9
Combined Flare Index (UGR)	: <20	Max Tensile Strength	: 2kV
Effectiveness Factor	: >100 L/W	Color Temperature	: 4000K
Voltaj System	: 200-240V AC	CRI	: 80 CRI
THD-(Total Harmonic Distortion)	: <%20		

Other Features

Operating Temperature	: -20° ~ +50°C	Drive Life	: Ta=50°C 50,000 seconds
Led Lifespan	: L70 > 60,000 seconds		

Optional Features

Color Temperature	: 2700K, 3000K, 5000K, 6500K	Automation/DIM Compatibility	: DALI, 1-10V, Phase Cut(Triac), DALI, KNX, Bluetooth
SOE Compatibility	: 1, 3 Hours		

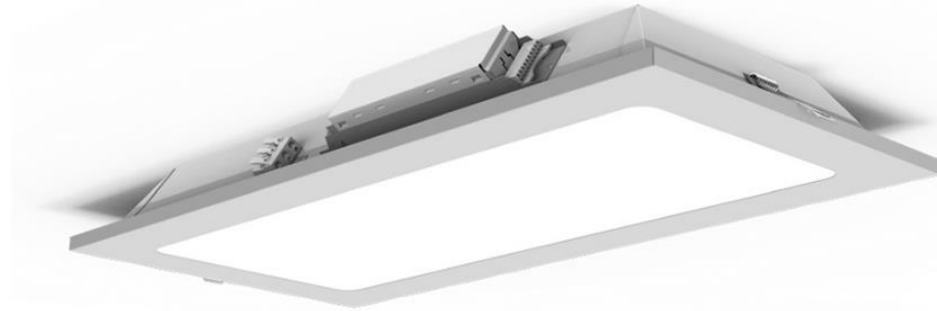
Product Variations

Product Code	Power	Power Factor	Light Color	CRI	Light Flux	Effectiveness Factor (L/W)	Dimensions
RGL-015SM-01101-840-9016	15 W	>0,95	4000K	>80	1497 lm	100	305*305*55 mm
RGL-023SM-01101-840-9016	23 W	>0,95	4000K	>80	2345 lm	102	305*605*65 mm
RGL-040SM-01101-840-9016	40 W	>0,95	4000K	>80	4105 lm	103	305*1205*65 mm
RGL-045SM-01101-840-9016	45W	>0,95	4000K	>80	4709 lm	105	305*1205*65 mm
RGL-034SM-01101-840-9016	34 W	>0,95	4000K	>80	4054 lm	119	605*605*65 mm
RGL-040SM-01101-840-9016	40 W	>0,95	4000K	>80	4402 lm	110	605*605*65 mm
RGL-044SM-01101-840-9016	44 W	>0,95	4000K	>80	4968 lm	113	605*605*65 mm
RGL-063SM-01101-840-9016	63 W	>0,95	4000K	>80	7772 lm	123	605*1205*65 mm

Shipping Information of Products

Product Code	Power	Product Weight (kg)	Carton Product Weight (kg)	Volume (m3)	Inside the Box Custom	Carton Product Dimensions (mm)
RGL-015SM-01101-840-9016	15 W	1	4,2	0,033201	4	620*315*170 mm
RGL-023SM-01101-840-9016	23 W	1,8	4	0,032147	2	620*315*170 mm
RGL-040SM-01101-840-9016	40 W	3,2	6,7	0,06403	2	310*1215*170 mm
RGL-045SM-01101-840-9016	45W	3,2	6,7	0,06403	2	310*1215*170 mm
RGL-034SM-01101-840-9016	34 W	3,2	13	0,121086	4	610*625*310 mm
RGL-040SM-01101-840-9016	40 W	3,2	13	0,121086	4	610*625*310 mm
RGL-044SM-01101-840-9016	44 W	3,2	13	0,121086	4	610*625*310 mm
RGL-063SM-01101-840-9016	63 W	5,8	12	0,125995	2	620*1215*170 mm

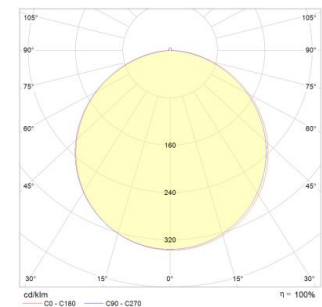
Rigel Drywall Ceiling Office Lighting Fixture 15W ~ 63W



General Application Areas



Optical Beam Angles

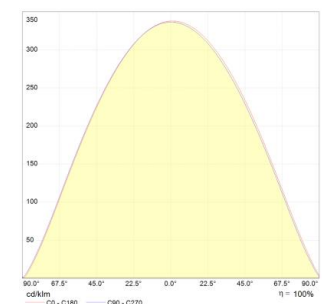


General Information

Rigel Office Lighting Fixtures are an essential solution for general lighting in a wide range of settings, including offices, public buildings, hospitals, and schools. Rigel fixtures offer a simple, stylish, and consistent lighting experience, thanks to their UV-resistant diffuser with high light transmittance.

Opal PMMA Diffusers have been tested and meet the required standards. The Ral 9016 coded electrostatic powder-coated body and frame are manufactured using 0.50mm DKP sheet metal. The special design frame models make them suitable for use in decorative areas.

This flush-mounted luminaire is suitable for installation in both rockwool and plasterboard ceilings. The luminaire body, produced by the plaster injection method, provides a definitive solution to light leaks in your projects. The quick cable connection allows for easy maintenance, as the luminaire does not need to be opened. The LEDs used in the luminaire are LM80 and TM21 certified and have a lifetime of over 50,000 hours. European origin drivers provide automatic temperature control and protection against voltage peaks. Optional features include DALI, corridor function, 1-10V dimming, and emergency lighting kit application.



Rigel Drywall Ceiling Office Lighting Fixture 15W ~ 63W

Highlights

Usage	: Recessed
Checkout	: 0,50mm DKP Sac
Diffuser	: High Permeability Opal Diffuser
Protection Class	: IP40
Impact Resistance	: IK02
Dimension	: 595x595x70
Led	: LM80, TM21, >60,000 Hours Life Mid Power LED
Driver	: ENEC, CE Certificated 5 Years Warranty Driver

Optical and Electrical Properties

Consumption Power	: 15W ~ 63W	Input Frequency	: 50 ~ 60 Hz
Total Lumens	: 1497 lm ~ 7772 lm (\pm 5%)	Power Factor	: \geq 0.9
Combined Flare Index (UGR)	: <20	Max Tensile Strength	: 2kV
Effectiveness Factor	: >100 L/W	Color Temperature	: 4000K
Voltaj System	: 200-240V AC	CRI	: 80 CRI
THD-(Total Harmonic Distortion)	: <%20		

Other Features

Operating Temperature	: -20° ~ +50°C	Drive Life	: Ta=50°C 50,000 seconds
Led Lifespan	: L70 > 60,000 seconds		

Optional Features

Color Temperature	: 2700K, 3000K, 5000K, 6500K	Automation/DIM Compatibility	: DALI, 1-10V, Phase Cut(Triac), DALI, KNX, Bluetooth
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SOE Compatibility : 1, 3 Hours

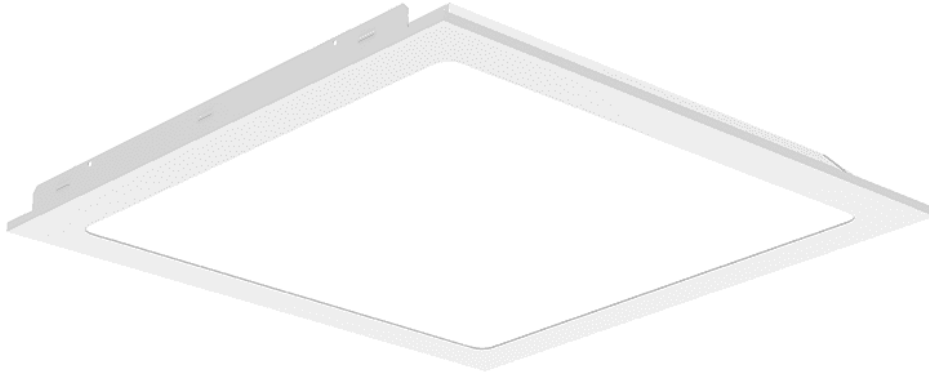
Product Variations

Product Code	Power	Power Factor	Light Color	CRI	Light Flux	Effectiveness Factor (L/W)	Dimensions
RGL-015RM-01101-840-9016	15 W	>0,95	4000K	>80	1497 lm	100	295*295*55 mm
RGL-023RM-01101-840-9016	23 W	>0,95	4000K	>80	2345 lm	102	295*595*65 mm
RGL-040RM-01101-840-9016	40 W	>0,95	4000K	>80	4105 lm	103	295*1195*65 mm
RGL-045RM-01101-840-9016	45W	>0,95	4000K	>80	4709 lm	105	295*1195*65 mm
RGL-034RM-01101-840-9016	34 W	>0,95	4000K	>80	4054 lm	119	595*595*65 mm
RGL-040RM-01101-840-9016	40 W	>0,95	4000K	>80	4402 lm	110	595*595*65 mm
RGL-044RM-01101-840-9016	44 W	>0,95	4000K	>80	4968 lm	113	595*595*65 mm
RGL-063RM-01101-840-9016	63 W	>0,95	4000K	>80	7772 lm	123	595*1195*65 mm

Shipping Information of Products

Product Code	Power	Product Weight (kg)	Carton Product Weight (kg)	Volume (m3)	Inside the Box Custom	Carton Product Dimensions (mm)
RGL-015RM-01101-840-9016	15 W	1,150	4,8	0,033201	4	620*315*170 mm
RGL-023RM-01101-840-9016	23 W	1,950	4,3	0,032147	2	620*315*170 mm
RGL-040RM-01101-840-9016	40 W	3,550	7	0,06403	2	310*1215*170 mm
RGL-045RM-01101-840-9016	45W	3,550	7	0,06403	2	310*1215*170mm
RGL-034RM-01101-840-9016	34 W	3,550	13,6	0,121086	4	610*625*310 mm
RGL-040RM-01101-840-9016	40 W	3,550	13,6	0,121086	4	610*625*310 mm
RGL-044RM-01101-840-9016	44 W	3,550	13,6	0,121086	4	610*625*310 mm
RGL-063RM-01101-840-9016	63 W	5,950	12,3	0,125995	2	620*1215*170 mm

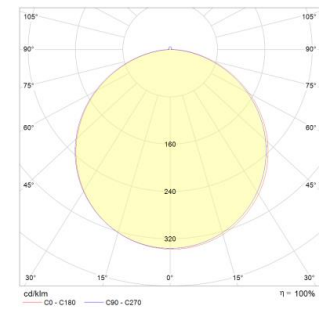
Rigel Clip-in Office Lighting Fixture 15W ~ 63W



General Application Areas



Optical Beam Angles

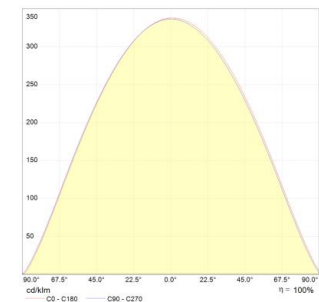


General Information

Rigel Office Lighting Fixtures are an essential solution for general lighting in a wide range of settings, including offices, public buildings, hospitals, and schools. Rigel fixtures offer a simple, stylish, and consistent lighting experience, thanks to their UV-resistant diffuser with high light transmittance.

Opal PMMA Diffusers have been tested and meet the required standards. The Ral 9016 coded electrostatic powder-coated body and frame are manufactured using 0.50mm DKP sheet metal. The special design frame models make them suitable for use in decorative areas.

The luminaire body produced by the plaster injection method provides a definitive solution to light leaks in your projects. The luminaire's quick cable connection eliminates the need for opening the unit, greatly simplifying maintenance. The LEDs used in the luminaire are LM80 and TM21 certified and have a lifetime of over 50,000 hours, ensuring long-lasting performance. European origin drivers provide automatic temperature control and protection against voltage peaks. Optional features such as DALI, corridor function, 1-10V dimming, and emergency lighting kit application are also available.



Rigel Clip-in Office Lighting Fixture

15W ~ 63W

Highlights

Usage	: Clip-in(Klipin)
Vault	: 0,50mm DKP Sac
Diffuser	: High Transmittance PMMA or PC Opal Diffuser
Protection Class	: IP40
Impact Resistance	: IK02
Dimension	: 595x595x70
Led	: LM80, TM21, >60,000 Hours Life Mid Power LED
Driver	: ENEC, CE Certificated 5 Years Warranty Driver

Optical and Electrical Properties

Consumption Power	: 34 W	Input Frequency	: 50 ~ 60 Hz
Total Lumens	: 4054 LM (±%5)	Power Factor	: ≥ 0.9
Combined Flare Index (UGR)	: <20	Max Tensile Strength	: 2kV
Effectiveness Factor	: 119 L/W	Color Temperature	: 4000K
Voltaj System	: 200-240V AC	CRI	: 80 CRI
THD-(Total Harmonic Distortion)	: <%20		

Other Features

Operating Temperature	: -20° ~ +50°C	Drive Life	: Ta=50°C 50,000 seconds
Led Lifespan	: L70 > 60,000 seconds		

Optional Features

Color Temperature	: 2700K, 3000K, 5000K, 6500K	Automation/DIM Compatibility	: DALI, 1-10V, Phase Cut(Triac), DALI, KNX, Bluetooth
SOE Compatibility	: 1, 3 Hours		

Product Variations

Product Code	Power	Power Factor	Light Color	CRI	Light Flux	Effectiveness Factor (L/W)	Dimensions
RGL-015CL-01101-840-9016	15 W	>0,95	4000K	>80	1497 lm	100	300*300*55 mm
RGL-023CL-01101-840-9016	23 W	>0,95	4000K	>80	2345 lm	102	300*600*65 mm
RGL-040CL-01101-840-9016	40 W	>0,95	4000K	>80	4105 lm	103	300*1200*65 mm
RGL-045CL-01101-840-9016	45W	>0,95	4000K	>80	4709 lm	105	300*1200*65 mm
RGL-034CL-01101-840-9016	34 W	>0,95	4000K	>80	4054 lm	119	600*600*65 mm
RGL-040CL-01101-840-9016	40 W	>0,95	4000K	>80	4402 lm	110	600*600*65 mm
RGL-044CL-01101-840-9016	44 W	>0,95	4000K	>80	4968 lm	113	600*600*65 mm
RGL-063CL-01101-840-9016	63 W	>0,95	4000K	>80	7772 lm	123	600*1200*65 mm

Shipping Information of Products

Product Code	Power	Product Weight (kg)	Carton Product Weight (kg)	Volume (m3)	Inside the Box Custom	Carton Product Dimensions (mm)
RGL-015CL-01101-840-9016	15 W	1	4,2	0,033201	4	620*315*170 mm
RGL-023CL-01101-840-9016	23 W	1,8	4	0,032147	2	620*315*170 mm
RGL-040CL-01101-840-9016	40 W	3,2	6,7	0,06403	2	310*1215*170 mm
RGL-045CL-01101-840-9016	45W	3,2	6,7	0,06403	2	310*1215*170mm
RGL-034CL-01101-840-9016	34 W	3,2	13	0,121086	4	610*625*310 mm
RGL-040CL-01101-840-9016	40 W	3,2	13	0,121086	4	610*625*310 mm
RGL-044CL-01101-840-9016	44 W	3,2	13	0,121086	4	610*625*310 mm
RGL-063CL-01101-840-9016	63 W	5,8	12	0,125995	2	620*1215*170 mm

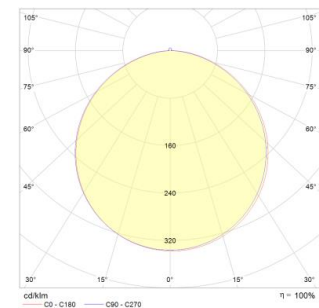
Glint Recessed Downlight Lighting Fixtures 8W ~ 32W



General Application Areas



Optical Beam Angles



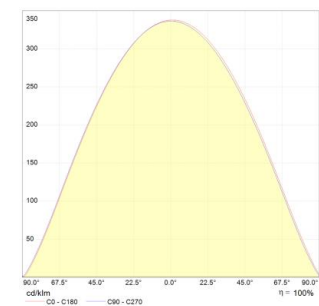
General Information

Glint Downlight luminaires are an essential solution for general lighting in offices, public buildings, hospitals, and schools.

Glint Downlight luminaires provide simple, stylish, and homogeneous lighting to spaces thanks to their UV-resistant, high-transmittance diffusers.

The Opal PMMA diffusers used have passed glow wire tests and meet the relevant standards. The Ral 9016 coded, electrostatic powder-coated body is produced with an aluminum injection technique.

The aluminum injection-molded luminaire body provides a definitive solution to light leaks in your projects. This design offers IP40 protection, which sets it apart from similar products on the market. The luminaire's quick cable connection eliminates the need for opening the unit, greatly simplifying maintenance. The LEDs used in the luminaire are LM80 and TM21 certified and have a lifetime of over 50,000 hours, ensuring long-lasting performance. European origin drivers provide automatic temperature control and protection against voltage peaks. Optional features include DALI, corridor function, 1-10V dimming, and emergency lighting kit application.



Glint Recessed Downlight Lighting Fixtures 8W ~ 32W

Highlights

Usage	: Recessed
Vault	: Aluminum Injection
Diffuser	: High Transmittance UGR: <19 Opal Diffuser
Protection Class	: IP40
Impact Resistance	: IK02
Dimension	: 3" / 4" / 6" / 8"
Led	: L70 > 50,000 Hours Life Mid Power LED
Driver	: ENEC, CE Certificated 5 Years Warranty Driver

Optical and Electrical Properties

Consumption Power	: 8W ~ 32W	Input Frequency	: 50 ~ 60 Hz
Total Lumens	: 800lm ~ 3200LM (±%5)	Power Factor	: ≥ 0.9
Combined Flare Index (UGR)	: <20	Max Tensile Strength	: 2kV
Effectiveness Factor	: >90 L/W	Color Temperature	: 2700K ∞ 6500K
Voltaj System	: 200-240V AC	CRI	: 80 CRI
THD-(Total Harmonic Distortion)	: <%20		

Other Features

Operating Temperature	: -20° ~ +35°C	Drive Life	: Ta=50°C 50,000 seconds
Led Lifespan	: L70 > 60,000 seconds		

Optional Features

Color Temperature	: 2700K, 3000K, 5000K, 6500K	Automation/DIM Compatibility	: DALI, 1-10V, Phase Cut(Triac), DALI, KNX, Bluetooth
SOE Compatibility	: 1, 3 Hours		

Shipping Information of Products

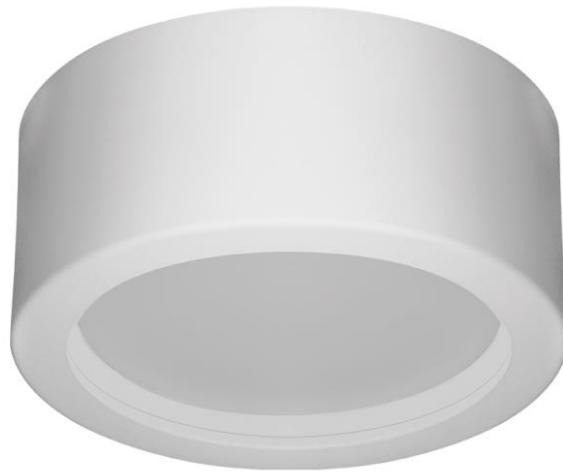
Product Code	Power	Product Weight (kg)	Weight of Packaged Product (kg)	Volume(m3)	Although	Pieces in Box	Box Product Dimensions (cm)
GLN-008RM-01201-830-9016	8W	0,170	3,4	0.017	5.63	20	26 x 26,5 x 24,5
GLN-012RM-01201-830-9016	12W	0,235	4,7	0,0224	7.47	20	29,5 x 31 x 24,5
GLN-018RM-01201-830-9016	18W	0,430	8,6	0,042	14.10	20	38 x 42 x 26,5
GLN-024RM-01201-830-9016	24W	0,680	6,8	0,033	11.05	20	25 x 51 x 25,5
GLN-032RM-01201-830-9016	32W	0,690	6,9	0,034	11.48	20	25 x 51 x 27"

GLINT FLUSH DOWNLIGHT PRODUCT VARIATIONS

Product Variations

Product Code	Power	Input Voltage	CCT	Efficiency Factor(lm/W)	Luminous Flux	Light Angle	Dimensions	Weight (g)	Body Color	Mounting Type
GLN-008RM-01201-830-9016	8W	220V-240VAC	3000K	>100	800Lm	120°	8"	3,4 kg	White	Recessed
GLN-008RM-01201-840-9016	8W	220V-240VAC	4000K	>100	800Lm	120°	8"	3,4 kg	White	Recessed
GLN-008RM-01201-865-9016	8W	220V-240VAC	6500K	>100	800Lm	120°	8"	3,4 kg	White	Recessed
GLN-008RM-01201-830-9005	8W	220V-240VAC	3000K	>100	800Lm	120°	8"	3,4 kg	Black	Recessed
GLN-008RM-01201-840-9005	8W	220V-240VAC	4000K	>100	800Lm	120°	8"	3,4 kg	Black	Recessed
GLN-008RM-01201-865-9005	8W	220V-240VAC	6500K	>100	800Lm	120°	8"	3,4 kg	Black	Recessed
GLN-012RM-01201-830-9016	12W	220V-240VAC	3000K	>100	1200Lm	120°	12"	4,7 kg	White	Recessed
GLN-012RM-01201-840-9016	12W	220V-240VAC	4000K	>100	1200Lm	120°	12"	4,7 kg	White	Recessed
GLN-012RM-01201-865-9016	12W	220V-240VAC	6500K	>100	1200Lm	120°	12"	4,7 kg	White	Recessed
GLN-012RM-01201-830-9005	12W	220V-240VAC	3000K	>100	1200Lm	120°	12"	4,7 kg	Black	Recessed
GLN-012RM-01201-840-9005	12W	220V-240VAC	4000K	>100	1200Lm	120°	12"	4,7 kg	Black	Recessed
GLN-012RM-01201-865-9005	12W	220V-240VAC	6500K	>100	1200Lm	120°	12"	4,7 kg	Black	Recessed
GLN-018RM-01201-830-9016	18W	220V-240VAC	3000K	>100	1800Lm	120°	18"	8,6 kg	White	Recessed
GLN-018RM-01201-840-9016	18W	220V-240VAC	4000K	>100	1800Lm	120°	18"	8,6 kg	White	Recessed
GLN-018RM-01201-865-9016	18W	220V-240VAC	6500K	>100	1800Lm	120°	18"	8,6 kg	White	Recessed
GLN-018RM-01201-830-9005	18W	220V-240VAC	3000K	>100	1800Lm	120°	18"	8,6 kg	Black	Recessed
GLN-018RM-01201-840-9005	18W	220V-240VAC	4000K	>100	1800Lm	120°	18"	8,6 kg	Black	Recessed
GLN-018RM-01201-865-9005	18W	220V-240VAC	6500K	>100	1800Lm	120°	18"	8,6 kg	Black	Recessed
GLN-024RM-01201-830-9016	24W	220V-240VAC	3000K	>100	2400Lm	120°	24"	6,8 kg	White	Recessed
GLN-024RM-01201-840-9016	24W	220V-240VAC	4000K	>100	2400Lm	120°	24"	6,8 kg	White	Recessed
GLN-024RM-01201-865-9016	24W	220V-240VAC	6500K	>100	2400Lm	120°	24"	6,8 kg	White	Recessed
GLN-024RM-01201-830-9005	24W	220V-240VAC	3000K	>100	2400Lm	120°	24"	6,8 kg	Black	Recessed
GLN-024RM-01201-830-9005	24W	220V-240VAC	4000K	>100	2400Lm	120°	24"	6,8 kg	Black	Recessed
GLN-024RM-01201-865-9005	24W	220V-240VAC	6500K	>100	2400Lm	120°	24"	6,8 kg	Black	Recessed
GLN-032RM-01201-830-9016	32W	220V-240VAC	3000K	>90	3200Lm	120°	32"	6,9 kg	White	Recessed
GLN-032RM-01201-840-9016	32W	220V-240VAC	4000K	>90	3200Lm	120°	32"	6,9 kg	White	Recessed
GLN-032RM-01201-865-9016	32W	220V-240VAC	6500K	>90	3200Lm	120°	32"	6,9 kg	White	Recessed
GLN-032RM-01201-830-9005	32W	220V-240VAC	3000K	>90	3200Lm	120°	32"	6,9 kg	Black	Recessed
GLN-032RM-01201-830-9005	32W	220V-240VAC	4000K	>90	3200Lm	120°	32"	6,9 kg	Black	Recessed
GLN-032RM-01201-865-9005	32W	220V-240VAC	6500K	>90	3200Lm	120°	32"	6,9 kg	Black	Recessed

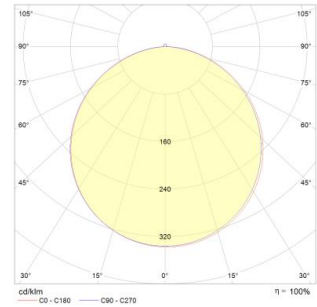
Glint Surface Mounted Downlight Lighting Fixtures 8W ~ 32W



General Application Areas



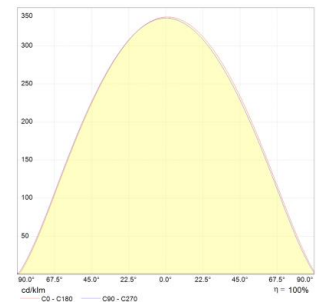
Optical Beam Angles



General Information

Glint Downlight lighting fixtures are an essential solution for general lighting in offices, public buildings, hospitals, and schools. Glint Downlight luminaires provide a simple, stylish, and homogeneous lighting solution to the spaces thanks to the diffuser that is resistant to UV radiation and has high light transmittance. The Opal PMMA Diffusers used have passed glow wire tests and meet the standards. The Ral 9016 coded electrostatic powder-coated body is produced with an aluminum injection technique.

The aluminum injection-molded luminaire body provides a definitive solution to light leaks in your projects. This design offers IP40 protection, which sets it apart from similar products on the market. The luminaire's quick cable connection eliminates the need for opening the unit, greatly simplifying maintenance. The LEDs used in the luminaire are LM80 and TM21 certified and have a lifetime of over 50,000 hours, ensuring long-lasting performance. European origin drivers provide automatic temperature control and protection against voltage peaks. Optional features include DALI, corridor function, 1-10V dimming, and emergency lighting kit application.



Glint Surface Mounted Downlight Lighting Fixtures 8W ~ 32W

Highlights

Usage	: Surface Mounted
Vault	: Aluminum Injection
Diffuser	: High Transmittance UGR: <19 Opal Diffuser
Protection Class	: IP40
Impact Resistance	: IK02
Dimension	: 3" / 4" / 6" / 8"
Led	: L70 > 60,000 Hours Life Mid Power LED
Driver	: ENEC, CE Certificated 5 Years Warranty Driver

Optical and Electrical Properties

Consumption Power	: 8W ~ 32W	Input Frequency	: 50 ~ 60 Hz
Total Lumens	: 800lm ~ 3200LM (±%5)	Power Factor	: ≥ 0.9
Combined Flare Index (UGR)	: <20	Max Tensile Strength	: 2kV
Effectiveness Factor	: >90 L/W	Color Temperature	: 2700K ∞ 6500K
Voltaj System	: 200-240V AC	CRI	: 80 CRI
THD-(Total Harmonic Distortion)	: <%20		

Other Features

Operating Temperature	: -20° ~ +35°C	Drive Life	: Ta=50°C 50,000 seconds
Led Lifespan	: L70 > 60,000 seconds		

Optional Features

Color Temperature	: 2700K, 3000K, 5000K, 6500K	Automation/DIM Compatibility	: DALI, 1-10V, Phase Cut(Triac), DALI, KNX, Bluetooth
SOE Compatibility	: 1, 3 Hours		

Shipping Information of Products

Product Code	Power	Product Weight (kg)	Weight of Packaged Product (kg)	Volume(m3)	Although	Pieces in Box	Box Product Dimensions (cm)
GLN-008SM-01201-830-9016	8W	0,280	5,6	0.407	6,78	20	22 x 22 x 42
GLN-012SM-01201-830-9016	12W	0,400	8	0.635	10,58	20	27 x 28 x 42
GLN-018SM-01201-830-9016	18W	0,670	13,4	1.213	20,22	20	38 x 38 x 42
GLN-024SM-01201-830-9016	24W	1	10	0.504	16	10	25 x 48 x 40
GLN-032SM-01201-830-9016	32W	1,05	10,5	0.483	16,11	10	25,5 x 48 x 39,5

GLINT SURFACE MOUNTED DOWNLIGHT

PRODUCT VARIATIONS

Product Variations

Product Code	Power	Input Voltage	CCT	Efficiency Factor(lm/W)	Luminous Flux	Light Angle	Dimensions	Weight (g)	Body Color	Mounting Type
GLN-008SM-01201-830-9016	8W	220V-240VAC	3000K	>100	800Lm	120°	8"	0,280	White	Surface Mounted
GLN-008SM-01201-840-9016	8W	220V-240VAC	4000K	>100	800Lm	120°	8"	0,280	White	Surface Mounted
GLN-008SM-01201-865-9016	8W	220V-240VAC	6500K	>100	800Lm	120°	8"	0,280	White	Surface Mounted
GLN-008SM-01201-830-9005	8W	220V-240VAC	3000K	>100	800Lm	120°	8"	0,280	Black	Surface Mounted
GLN-008SM-01201-840-9005	8W	220V-240VAC	4000K	>100	800Lm	120°	8"	0,280	Black	Surface Mounted
GLN-008SM-01201-865-9005	8W	220V-240VAC	6500K	>100	800Lm	120°	8"	0,280	Black	Surface Mounted
GLN-012SM-01201-830-9016	12W	220V-240VAC	3000K	>100	1200Lm	120°	12"	0,400	White	Surface Mounted
GLN-012SM-01201-840-9016	12W	220V-240VAC	4000K	>100	1200Lm	120°	12"	0,400	White	Surface Mounted
GLN-012SM-01201-865-9016	12W	220V-240VAC	6500K	>100	1200Lm	120°	12"	0,400	White	Surface Mounted
GLN-012SM-01201-830-9005	12W	220V-240VAC	3000K	>100	1200Lm	120°	12"	0,400	Black	Surface Mounted
GLN-012SM-01201-840-9005	12W	220V-240VAC	4000K	>100	1200Lm	120°	12"	0,400	Black	Surface Mounted
GLN-012SM-01201-865-9005	12W	220V-240VAC	6500K	>100	1200Lm	120°	12"	0,400	Black	Surface Mounted
GLN-018SM-01201-830-9016	18W	220V-240VAC	3000K	>100	1800Lm	120°	18"	0,670	White	Surface Mounted
GLN-018SM-01201-840-9016	18W	220V-240VAC	4000K	>100	1800Lm	120°	18"	0,670	White	Surface Mounted
GLN-018SM-01201-865-9016	18W	220V-240VAC	6500K	>100	1800Lm	120°	18"	0,670	White	Surface Mounted
GLN-018RM-01201-830-9005	18W	220V-240VAC	3000K	>100	1800Lm	120°	18"	0,670	Black	Surface Mounted
GLN-018SM-01201-840-9005	18W	220V-240VAC	4000K	>100	1800Lm	120°	18"	0,670	Black	Surface Mounted
GLN-018SM-01201-865-9005	18W	220V-240VAC	6500K	>100	1800Lm	120°	18"	0,670	Black	Surface Mounted
GLN-024SM-01201-830-9016	24W	220V-240VAC	3000K	>100	2400Lm	120°	24"	1	White	Surface Mounted
GLN-024SM-01201-840-9016	24W	220V-240VAC	4000K	>100	2400Lm	120°	24"	1	White	Surface Mounted
GLN-024SM-01201-865-9016	24W	220V-240VAC	6500K	>100	2400Lm	120°	24"	1	White	Surface Mounted
GLN-024SM-01201-830-9005	24W	220V-240VAC	3000K	>100	2400Lm	120°	24"	1	Black	Surface Mounted
GLN-024SM-01201-830-9005	24W	220V-240VAC	4000K	>100	2400Lm	120°	24"	1	Black	Surface Mounted
GLN-024SM-01201-865-9005	24W	220V-240VAC	6500K	>100	2400Lm	120°	24"	1	Black	Surface Mounted
GLN-032SM-01201-830-9016	32W	220V-240VAC	3000K	>90	3200Lm	120°	32"	1,05	White	Surface Mounted
GLN-032SM-01201-840-9016	32W	220V-240VAC	4000K	>90	3200Lm	120°	32"	1,05	White	Surface Mounted
GLN-032SM-01201-865-9016	32W	220V-240VAC	6500K	>90	3200Lm	120°	32"	1,05	White	Surface Mounted
GLN-032M-01201-830-9005	32W	220V-240VAC	3000K	>90	3200Lm	120°	32"	1,05	Black	Surface Mounted
GLN-032SM-01201-830-9005	32W	220V-240VAC	4000K	>90	3200Lm	120°	32"	1,05	Black	Surface Mounted
GLN-032SM-01201-865-9005	32W	220V-240VAC	6500K	>90	3200Lm	120°	32"	1,05	Black	Surface Mounted

Elegance Market Lighting Fixture

25W ~ 90W



General Application Areas



Markets



Factories



Gyms

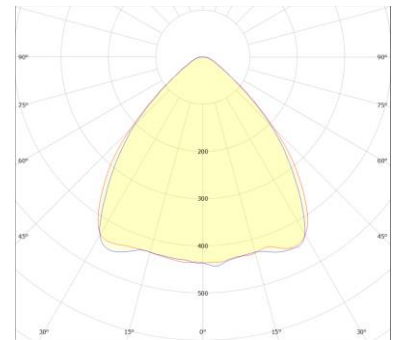


Airports

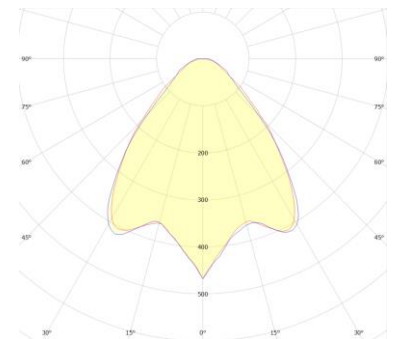


Office

Optical Beam Angles



90°



90°

General Information

The Elegance Series Market Lighting Luminaire has been specifically developed to supersede traditional products utilising fluorescent light sources in markets, industrial facilities, warehouses and sports facilities with ceiling heights ranging from 2.5 to 6 metres.

LED light source food lighting fixtures showcase your products at their best, highlighting their colors and textures to make them look fresh, delicious, and attractive. It has been determined that UV or color-enhancing filters are not effective in preventing food from changing color. Our luminaires, designed with LED technology, display your food in the most effective way without exposure to UV or infrared rays. This allows you to maintain the freshness of your products and increase your sales by appealing to the visual perception of your customers.

The appearance of food is a key factor in its perceived freshness, taste, attractiveness, and appeal. Our LED food lighting fixtures provide optimal color rendering, enabling the presentation of products in a way that highlights their colors and textures. By appealing to customers' visual perception, these fixtures can influence purchasing decisions, potentially increasing sales.

Elegance Market Lighting Fixture

25W ~ 90W

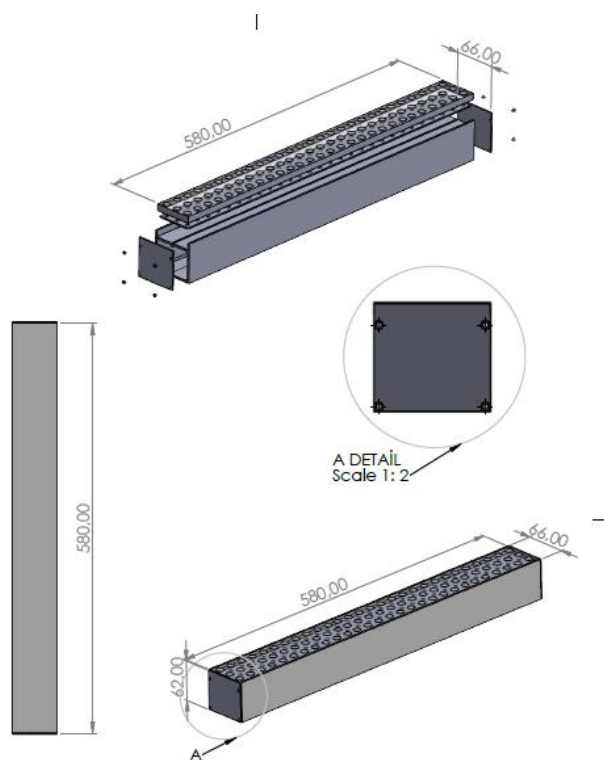
Technical Specifications

Body	:Aluminum Extrusion
IP Protection Class	:IP 40
Luminous Flux	:3600 lm ~ 12600 lm
Light source	:LED
Test Standards	:TS EN 60598TS, EN 60529, TS EN 62031TS, EN 62262, TS IEC TR 62471TS, EN 62722-2-1

Optical and Electrical Properties

Power	25W ~ 90W	Light Angle	90°
CE Marking	Yes	Power Factor	>0,9
Optics	PMMA / PC	Max Tensile Strength	2kV
Effectiveness Factor	>140 lm/W	Color Temperature	3000K/4000K/5000K/6500K
Input Voltage	200-240 V AC 50/60 HZ	CRI	>80
Total Harmonic Distortion	<%15	Input Voltage	200-240 V AC 50/60 HZ
Dimensions	580x66x62 mm	Weight	2.98 kg

Technical Drawing (Side View) and Wiring Diagram



ELEGANCE PRODUCT VARIATIONS

Elegance 25W

Product Code	Power	Input Voltage	CCT	Luminous Flux	Light Angle	Dimensions	Weight	Usage Area
ELG-050SM-00901-9016	25W	200-240 V AC 50/60 Hz	4000K/5000K/6500K	3600lm	90°	580X66X62mm	2980	Surface Mounted
ELG-050PM-00901-9016	25W	200-240 V AC 50/60 Hz	4000K/5000K/6500K	3600lm	90°	580X66X62mm	2980	Stalactite

Elegance 36W

Product Code	Power	Input Voltage	CCT	Luminous Flux	Light Angle	Dimensions	Weight	Usage Area
EL-036SM-00901-7016	36W	200-240 V AC 50/60 Hz	4000K/5000K/6500K	5760lm	90°	1440X68X62mm	2980	Surface Mounted
ELG-036PM-00901-7016	36W	200-240 V AC 50/60 Hz	4000K/5000K/6500K	5760lm	90°	1440X68X62mm	2980	Stalactite

Elegance 38W

Product Code	Power	Input Voltage	CCT	Luminous Flux	Light Angle	Dimensions	Weight	Usage Area
ELG-050SM-00901-9016	38W	200-240 V AC 50/60 Hz	4000K/5000K/6500K	5472lm	90°	870X66X62mm	2980	Surface Mounted
ELG-050PM-00901-9016	38W	200-240 V AC 50/60 Hz	4000K/5000K/6500K	5472lm	90°	870X66X62mm	2980	Stalactite

Elegance 48W

Product Code	Power	Input Voltage	CCT	Luminous Flux	Light Angle	Dimensions	Weight	Usage Area
ELG-048SM-00301-9016	48W	200-240 V AC 50/60 Hz	4000K/5000K/6500K	6960lm	90°	1440X68X62mm	2980	Surface Mounted
ELG-048SM-00301-9016	48W	200-240 V AC 50/60 Hz	4000K/5000K/6500K	6960lm	90°	1440X68X62mm	2980	Surface Mounted
ELG-048PM-00901-9016	48W	200-240 V AC 50/60 Hz	4000K/5000K/6500K	6960lm	90°	1440X68X62mm	2980	Stalactite
ELG-048PM-00901-9016	48W	200-240 V AC 50/60 Hz	4000K/5000K/6500K	6960lm	90°	1440X68X62mm	2980	Stalactite

Elegance 51W

Product Code	Power	Input Voltage	CCT	Luminous Flux	Light Angle	Dimensions	Weight	Usage Area
ELG-051SM-00301-9016	51W	200-240 V AC 50/60 Hz	4000K/5000K/6500K	7395lm	85°+35°	1140X66X62mm	2980	Surface Mounted
ELG-051SM-00301-9016	51W	200-240 V AC 50/60 Hz	4000K/5000K/6500K	7395lm	85°+35°	1140X66X62mm	2980	Surface Mounted
ELG-051PM-00301-9016	51W	200-240 V AC 50/60 Hz	4000K/5000K/6500K	7395lm	85°+35°	1140X66X62mm	2980	Stalactite
ELG-051PM-00301-9016	51W	200-240 V AC 50/60 Hz	4000K/5000K/6500K	7395lm	85°+35°	1140X66X62mm	2980	Stalactite

Elegance 90W

Product Code	Power	Input Voltage	CCT	Luminous Flux	Light Angle	Dimensions	Weight	Usage Area
SHLE-050SM-00301-7016	90W	200-240 V AC 50/60 Hz	4000K/5000K/6500K	12600lm	30°	1440X68X62mm	2980	Surface Mounted
SHLE-050SM-00601-7016	90W	200-240 V AC 50/60 Hz	4000K/5000K/6500K	12600lm	60°	1440X68X62mm	2980	Surface Mounted
SHLE-050SM-00901-7016	90W	200-240 V AC 50/60 Hz	4000K/5000K/6500K	12600lm	35°85°	1440X68X62mm	2980	Surface Mounted
SHLE-050PM-00301-7016	90W	200-240 V AC 50/60 Hz	4000K/5000K/6500K	12600lm	30°	1440X68X62mm	2980	Stalactite
SHLE-050PM-00601-7016	90W	200-240 V AC 50/60 Hz	4000K/5000K/6500K	12600lm	60°	1440X68X62mm	2980	Stalactite
SHLE-050PM-00901-7016	90W	200-240 V AC 50/60 Hz	4000K/5000K/6500K	12600lm	35°85°	1440X68X62mm	2980	Stalactite

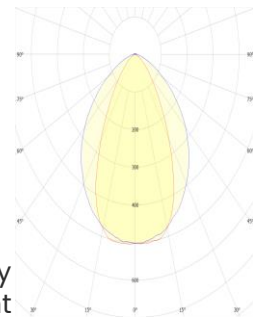
Linda Market Lighting Fixture 14W ~ 60W



General Application Areas

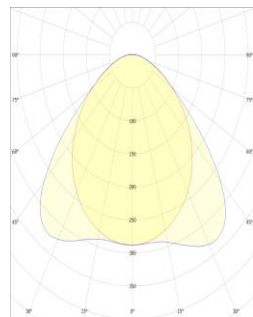


Optical Beam Angles



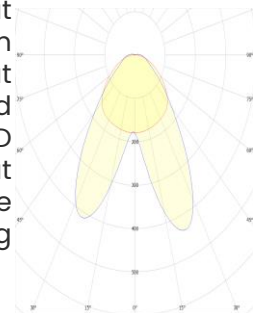
F16636_LINDA-W60

60° + 90°



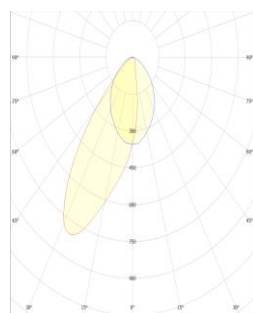
F16747_LINDA-WWW

110° - 100°



F16858_LINDA-Z2T25

Double asymmetric



F16859_LINDA-ZT25

Asymmetric

General Information

The Linda Series Market Lighting Luminaire has been specifically developed to supersede traditional products utilising fluorescent light sources in markets, industrial facilities, warehouses and sports facilities with ceiling heights ranging from 2.5 metres to 6 metres.

LED light source food lighting fixtures showcase your products at their best, highlighting their colors and textures to make them look fresh, delicious, and attractive. It has been determined that UV or color-enhancing filters are not effective in preventing food from changing color. Our luminaires, designed with LED technology, display your food in the most effective way without exposure to UV or infrared rays. This allows you to maintain the freshness of your products and increase your sales by appealing to the visual perception of your customers.

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Linda Market Lighting Fixture

14W ~ 60W

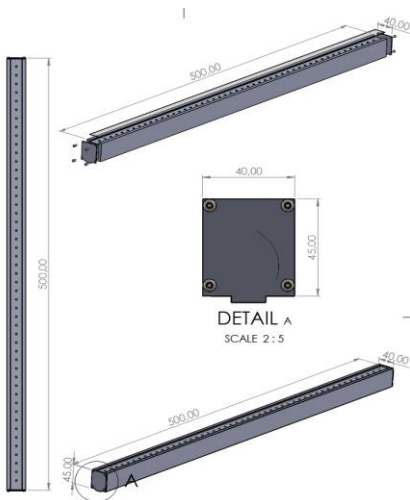
Technical Specifications

Body	:Aluminum Extrusion
IP Protection Class	:IP 40
Luminous Flux	:1750 lm ~ 7500 lm
Light source	:LED
Test Standards	:TS EN 60598TS, EN 60529, TS EN 62031TS, EN 62262, TS IEC TR 62471TS, EN 62722-2-1

Optical and Electrical Properties

Power	14W ~ 60W	Light Angle	60°/90°/100°/110°/ASM./D.ASM.
CE Marking	Yes	Power Factor	>0,9
Optics	PMMA / PC	Max Tensile Strength	2kV
Effectiveness Factor	125 lm/W	Color Temperature	3000K/4000K/6500K
Input Voltage	200-240 V AC 50/60 HZ	CRI	>80
Total Harmonic Distortion	<%15	Input Voltage	200-240 V AC 50/60 HZ
Dimensions	505x40x45 mm		

Technical Drawing (Side View) and Wiring Diagram



LINDA PRODUCT VARIANTS

Linda 14W

Product Code	Power	Input Voltage	CCT	Luminous Flux	Light Angle	Dimensions	Usage Area
LND-014PM-00601-840-9016	14W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	1750m	60°	505X40X45mm	Stalactite
LND-014PM-00901-840-9016	14W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	1750m	90°	505X40X45mm	Stalactite
LND-014PM-01001-840-9016	14W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	1750m	100°	505X40X45mm	Stalactite
LND-014PM-01101-840-9016	14W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	1750m	110°	505X40X45mm	Stalactite
LND-014PM-ASY1-840-9016	14W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	1750m	ASM.	505X40X45mm	Stalactite
LND-014PM-DASY1-840-9016	14W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	1750m	D.ASM.	505X40X45mm	Stalactite
LND-014SM-00601-840-9016	14W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	1750m	60°	505X40X45mm	Surface Mounted
LND-014SM-00901-840-9016	14W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	1750m	90°	505X40X45mm	Surface Mounted
LND-014SM-01001-840-9016	14W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	1750m	100°	505X40X45mm	Surface Mounted
LND-014SM-01101-840-9016	14W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	1750m	110°	505X40X45mm	Surface Mounted
LND-014SM-ASY1-840-9016	14W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	1750m	ASM.	505X40X45mm	Surface Mounted
LND-014PM-DASY1-840-9016	14W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	1750m	D.ASM.	505X40X45mm	Surface Mounted

Linda 20W

Product Code	Power	Input Voltage	CCT	Luminous Flux	Light Angle	Dimensions	Usage Area
LND-020PM-00601-840-9016	20W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	2500m	60°	1005X40X45mm	Stalactite
LND-020PM-00901-840-9016	20W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	2500m	90°	1005X40X45mm	Stalactite
LND-020PM-01001-840-9016	20W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	2500m	100°	1005X40X45mm	Stalactite
LND-020PM-01101-840-9016	20W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	2500m	110°	1005X40X45mm	Stalactite
LND-020PM-ASY1-840-9016	20W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	2500m	ASM.	1005X40X45mm	Stalactite
LND-020PM-DASY1-840-9016	20W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	2500m	D.ASM.	1005X40X45mm	Stalactite
LND-020SM-00601-840-9016	20W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	2500m	60°	1005X40X45mm	Surface Mounted
LND-020SM-00901-840-9016	20W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	2500m	90°	1005X40X45mm	Surface Mounted
LND-020SM-01001-840-9016	20W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	2500m	100°	1005X40X45mm	Surface Mounted
LND-020SM-01101-840-9016	20W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	2500m	110°	1005X40X45mm	Surface Mounted
LND-020SM-ASY1-840-9016	20W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	2500m	ASM.	1005X40X45mm	Surface Mounted
LND-020PM-DASY1-840-9016	20W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	2500m	D.ASM.	1005X40X45mm	Surface Mounted

Linda 27W

Product Code	Power	Input Voltage	CCT	Luminous Flux	Light Angle	Dimensions	Usage Area	Product Code
LND-027PM-00601-840-9016	27W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	3375lm	60°	1005X40X45mm	1595	Stalactite
LND-027PM-00901-840-9016	27W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	3375lm	90°	1005X40X45mm	1595	Stalactite
LND-027PM-01001-840-9016	27W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	3375lm	100°	1005X40X45mm	1595	Stalactite
LND-027PM-01101-840-9016	27W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	3375lm	110°	1005X40X45mm	1595	Stalactite
LND-027PM-ASY1-840-9016	27W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	3375lm	ASM.	1005X40X45mm	1595	Stalactite
LND-027PM-DASY1-840-9016	27W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	3375lm	D.ASM.	1005X40X45mm	1595	Stalactite
LND-027SM-00601-840-9016	27W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	3375lm	60°	1005X40X45mm	1595	Surface Mounted
LND-027SM-00901-840-9016	27W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	3375lm	90°	1005X40X45mm	1595	Surface Mounted
LND-027SM-01001-840-9016	27W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	3375lm	100°	1005X40X45mm	1595	Surface Mounted
LND-027SM-01101-840-9016	27W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	3375lm	110°	1005X40X45mm	1595	Surface Mounted
LND-027SM-ASY1-840-9016	27W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	3375lm	ASM.	1005X40X45mm	1595	Surface Mounted
LND-027PM-DASY1-840-9016	27W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	3375lm	D.ASM.	1005X40X45mm	1595	Surface Mounted

LINDA PRODUCT VARIANTS

Linda 40W

Product Code	Power	Input Voltage	CCT	Luminous Flux	Light Angle	Dimensions	Usage Area	Product Code
LND-040PM-00601-840-9016	40W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	5000lm	60°	1005X40X45mm	1595	Stalacite
LND-040PM-00901-840-9016	40W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	5000lm	90°	1005X40X45mm	1595	Stalacite
LND-040PM-01001-840-9016	40W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	5000lm	100°	1005X40X45mm	1595	Stalacite
LND-040PM-01101-840-9016	40W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	5000lm	110°	1005X40X45mm	1595	Stalacite
LND-040PM-ASY1-840-9016	40W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	5000lm	ASM.	1005X40X45mm	1595	Stalacite
LND-040PM-DASY1-840-9016	40W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	5000lm	D.ASM.	1005X40X45mm	1595	Stalacite
LND-040SM-00601-840-9016	40W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	5000lm	60°	1005X40X45mm	1595	Surface Mounted
LND-040SM-00901-840-9016	40W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	5000lm	90°	1005X40X45mm	1595	Surface Mounted
LND-040SM-01001-840-9016	40W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	5000lm	100°	1005X40X45mm	1595	Surface Mounted
LND-040SM-01101-840-9016	40W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	5000lm	110°	1005X40X45mm	1595	Surface Mounted
LND-040SM-ASY1-840-9016	40W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	5000lm	ASM.	1005X40X45mm	1595	Surface Mounted
LND-040SM-DASY1-840-9016	40W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	5000lm	D.ASM.	1005X40X45mm	1595	Surface Mounted

Linda 41W

Product Code	Power	Input Voltage	CCT	Luminous Flux	Light Angle	Dimensions	Usage Area	Product Code
LND-041PM-00601-840-9016	41W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	5125lm	60°	1505X40X45mm	1595	Stalacite
LND-041PM-00901-840-9016	41W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	5125lm	90°	1505X40X45mm	1595	Stalacite
LND-041PM-01001-840-9016	41W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	5125lm	100°	1505X40X45mm	1595	Stalacite
LND-041PM-01101-840-9016	41W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	5125lm	110°	1505X40X45mm	1595	Stalacite
LND-041PM-ASY1-840-9016	41W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	5125lm	ASM.	1505X40X45mm	1595	Stalacite
LND-041PM-DASY1-840-9016	41W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	5125lm	D.ASM.	1505X40X45mm	1595	Stalacite
LND-041SM-00601-840-9016	41W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	5125lm	60°	1505X40X45mm	1595	Surface Mounted
LND-041SM-00901-840-9016	41W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	5125lm	90°	1505X40X45mm	1595	Surface Mounted
LND-041SM-01001-840-9016	41W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	5125lm	100°	1505X40X45mm	1595	Surface Mounted
LND-041SM-01101-840-9016	41W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	5125lm	110°	1505X40X45mm	1595	Surface Mounted
LND-041SM-ASY1-840-9016	41W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	5125lm	ASM.	1505X40X45mm	1595	Surface Mounted
LND-041PM-DASY1-840-9016	41W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	5125lm	D.ASM.	1505X40X45mm	1595	Surface Mounted

Linda 60W

Product Code	Power	Input Voltage	CCT	Luminous Flux	Light Angle	Dimensions	Usage Area	Product Code
LND-060PM-00601-840-9016	60W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	7500lm	60°	1505X40X45mm	1595	Stalacite
LND-060PM-00901-840-9016	60W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	7500lm	90°	1505X40X45mm	1595	Stalacite
LND-060PM-01001-840-9016	60W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	7500lm	100°	1505X40X45mm	1595	Stalacite
LND-060PM-01101-840-9016	60W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	7500lm	110°	1505X40X45mm	1595	Stalacite
LND-060PM-ASY1-840-9016	60W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	7500lm	ASM.	1505X40X45mm	1595	Stalacite
LND-060PM-DASY1-840-9016	60W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	7500lm	D.ASM.	1505X40X45mm	1595	Stalacite
LND-0160SM-00601-840-9016	60W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	7500lm	60°	1505X40X45mm	1595	Surface Mounted
LND-060SM-00901-840-9016	60W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	7500lm	90°	1505X40X45mm	1595	Surface Mounted
LND-060SM-01001-840-9016	60W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	7500lm	100°	1505X40X45mm	1595	Surface Mounted
LND-060SM-01101-840-9016	60W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	7500lm	110°	1505X40X45mm	1595	Surface Mounted
LND-060SM-ASY1-840-9016	60W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	7500lm	ASM.	1505X40X45mm	1595	Surface Mounted
LND-060PM-DASY1-840-9016	60W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	7500lm	D.ASM.	1505X40X45mm	1595	Surface Mounted

Alya Linear Lighting Fixture

21W ~ 43W ~ 78W



General Application Areas



Markets



Factories



Gyms



Airports



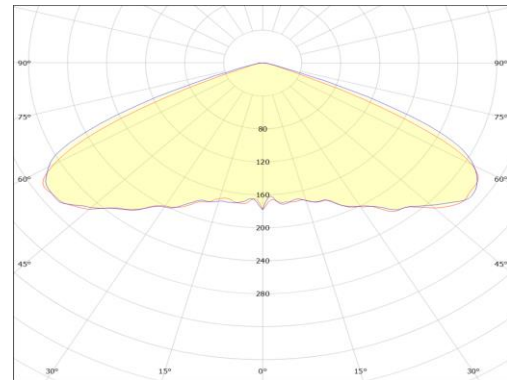
Office

The Alya Series Linear Lighting Luminaire has been designed to replace traditional products with fluorescent light sources, particularly in markets, industrial facilities, warehouses, and sports facilities with ceiling heights ranging from 2.5 to 6 meters.

LED light source food lighting fixtures showcase your products at their best, highlighting their colors and textures to make them look fresh, delicious, and attractive. It has been determined that UV or color-enhancing filters are not effective in preventing food from changing color. Our luminaires, designed with LED technology, display your food in the most effective way without exposure to UV or infrared rays. This allows you to preserve the freshness of your products and increase your sales by appealing to the visual perception of your customers.

The appearance of food is a key factor in its perceived freshness, taste, attractiveness, and appeal. Our LED food lighting fixtures provide optimal color rendering, enabling the presentation of products in a way that highlights their colors and textures. By appealing to customers' visual perception, these fixtures can influence purchasing decisions, potentially increasing sales.

Optical Beam Angles



110°

Alya Linear Lighting Fixture

21W ~ 43W ~ 78W

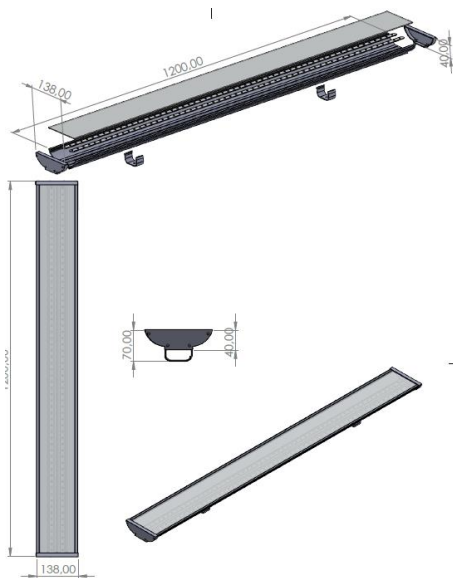
Technical Specifications

Body	:Aluminum Extrusion
IP Protection Class	:IP 40
Luminous Flux	:2463 lm ~ 4988 lm ~ 8112 lm
Light source	:LED
Test Standards	:TS EN 60598TS, EN 60529, TS EN 62031TS, EN 62262, TS IEC TR 62471TS, EN 62722-2-1

Optical and Electrical Properties

Power	21W ~ 43W ~ 78W	Light Angle	110°
CE Marking	Yes	Power Factor	>0,9
Optics	PMMA / PC	Max Tensile Strength	2kV
Effectiveness Factor	>104 lm/W	Color Temperature	3000K/4000K/6500K
Input Voltage	200-240 V AC 50/60 HZ	CRI	>80
Total Harmonic Distortion	<%15	Input Voltage	200-240 V AC 50/60 HZ
Dimensions	1200X138X70mm	Weight	1690 gr

Technical Drawing (Side View) and Wiring Diagram



ALYA PRODUCT VARIANTS

Alya 21W

Product Code	Power	Input Voltage	CCT	Effectiveness Factor (lm/W)	Luminous Flux	Light Angle	Dimensions	Weight (g)	Body Color	Mounting Type
ALY-021CT-01101-865-00CE	21W	200-240 V AC 50/60 Hz	6500K	116	2436lm	110°	1200X138X70mm	1690	Anodizing	Surface Mounted / Cable Tray
ALY-027CT-01101-865-00CE	27W	200-240 V AC 50/60 Hz	6500K	112	3024lm	110°	1200X138X70mm	1690	Anodizing	Surface Mounted / Cable Tray
ALY-033CT-01101-865-00CE	33W	200-240 V AC 50/60 Hz	6500K	108	3564lm	110°	1200X138X70mm	1690	Anodizing	Surface Mounted / Cable Tray
ALY-039CT-01101-865-00CE	39W	200-240 V AC 50/60 Hz	6500K	104	4056lm	110°	1200X138X70mm	1690	Anodizing	Surface Mounted / Cable Tray
ALY-021CT-01101-840-00CE	21W	200-240 V AC 50/60 Hz	6500K	116	2436lm	110°	1200X138X70mm	1690	Anodizing	Surface Mounted / Cable Tray
ALY-027CT-01101-840-00CE	27W	200-240 V AC 50/60 Hz	6500K	112	3024lm	110°	1200X138X70mm	1690	Anodizing	Surface Mounted / Cable Tray
ALY-033CT-01101-840-00CE	33W	200-240 V AC 50/60 Hz	6500K	108	3564lm	110°	1200X138X70mm	1690	Anodizing	Surface Mounted / Cable Tray
ALY-039CT-01101-840-00CE	39W	200-240 V AC 50/60 Hz	6500K	104	4056lm	110°	1200X138X70mm	1690	Anodizing	Surface Mounted / Cable Tray

Alya 43W

Product Code	Power	Input Voltage	CCT	Effectiveness Factor (lm/W)	Luminous Flux	Light Angle	Dimensions	Weight (g)	Body Color	Mounting Type
ALY-043CT-01101-865-00CE	43W	200-240 V AC 50/60 Hz	6500K	116	4988lm	110°	1200X138X70mm	1690	Anodizing	Surface Mounted / Cable Tray
ALY-054CT-01101-865-00CE	54W	200-240 V AC 50/60 Hz	6500K	112	6048lm	110°	1200X138X70mm	1690	Anodizing	Surface Mounted / Cable Tray
ALY-066CT-01101-865-00CE	66W	200-240 V AC 50/60 Hz	6500K	108	7128lm	110°	1200X138X70mm	1690	Anodizing	Surface Mounted / Cable Tray
ALY-078CT-01101-865-00CE	78W	200-240 V AC 50/60 Hz	6500K	104	8112lm	110°	1200X138X70mm	1690	Anodizing	Surface Mounted / Cable Tray
ALY-043CT-01101-840-00CE	43W	200-240 V AC 50/60 Hz	6500K	116	4988lm	110°	1200X138X70mm	1690	Anodizing	Surface Mounted / Cable Tray
ALY-054CT-01101-840-00CE	54W	200-240 V AC 50/60 Hz	6500K	112	6048lm	110°	1200X138X70mm	1690	Anodizing	Surface Mounted / Cable Tray
ALY-066CT-01101-840-00CE	66W	200-240 V AC 50/60 Hz	6500K	108	7128lm	110°	1200X138X70mm	1690	Anodizing	Surface Mounted / Cable Tray
ALY-078CT-01101-840-00CE	78W	200-240 V AC 50/60 Hz	6500K	104	8112lm	110°	1200X138X70mm	1690	Anodizing	Surface Mounted / Cable Tray

Alya 78W

Product Code	Power	Input Voltage	CCT	Effectiveness Factor (lm/W)	Luminous Flux	Light Angle	Dimensions	Weight (g)	Body Color	Mounting Type
ALY-043CT-01101-865-00CE	43W	200-240 V AC 50/60 Hz	6500K	116	4988lm	110°	1200X138X70mm	1690	Anodizing	Surface Mounted / Cable Tray
ALY-054CT-01101-865-00CE	54W	200-240 V AC 50/60 Hz	6500K	112	6048lm	110°	1200X138X70mm	1690	Anodizing	Surface Mounted / Cable Tray
ALY-066CT-01101-865-00CE	66W	200-240 V AC 50/60 Hz	6500K	108	7128lm	110°	1200X138X70mm	1690	Anodizing	Surface Mounted / Cable Tray
ALY-078CT-01101-865-00CE	78W	200-240 V AC 50/60 Hz	6500K	104	8112lm	110°	1200X138X70mm	1690	Anodizing	Surface Mounted / Cable Tray
ALY-043CT-01101-840-00CE	43W	200-240 V AC 50/60 Hz	6500K	116	4988lm	110°	1200X138X70mm	1690	Anodizing	Surface Mounted / Cable Tray
ALY-054CT-01101-840-00CE	54W	200-240 V AC 50/60 Hz	6500K	112	6048lm	110°	1200X138X70mm	1690	Anodizing	Surface Mounted / Cable Tray
ALY-066CT-01101-840-00CE	66W	200-240 V AC 50/60 Hz	6500K	108	7128lm	110°	1200X138X70mm	1690	Anodizing	Surface Mounted / Cable Tray
ALY-078CT-01101-840-00CE	78W	200-240 V AC 50/60 Hz	6500K	104	8112lm	110°	1200X138X70mm	1690	Anodizing	Surface Mounted / Cable Tray

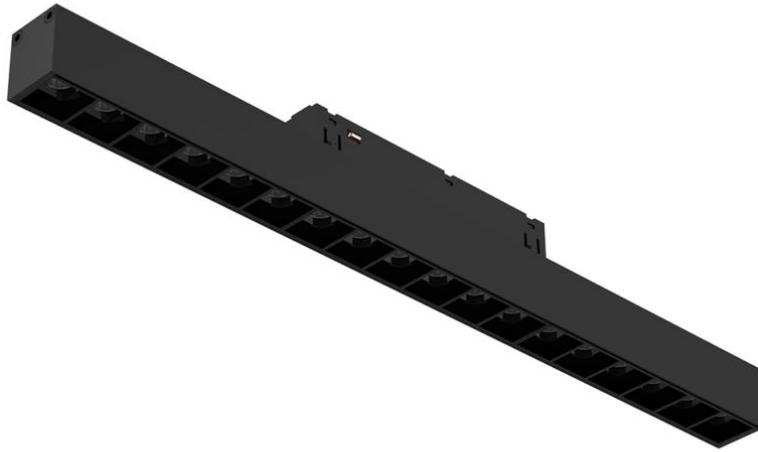
MAGNETIC RAIL SPOT LIGHTING FIXTURES



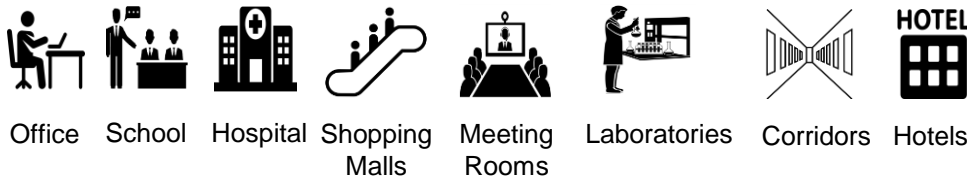
Unlike traditional lighting solutions, magnetic track spotlights have gained immense popularity in recent years. These lighting products stand out for their unique design and functionality. Magnetic track spotlights usually consist of spot or wide-angle luminaires mounted on a special magnetic rail system. This system offers the possibility to easily move the luminaires and provide lighting in the desired direction.

These systems operate with 48V DC weak current, offering a cost-effective solution that eliminates the need for separate drivers in each luminaire. The magnetic rails allow for the installation of spotlights, spotlights with suspension wires, or directional spotlights, as well as linear luminaires that provide general lighting. The structure is highly flexible in terms of assembly and configuration. Luminaires can be easily moved and adjusted to the desired position on the magnetic rail. The design eliminates the risk of collision, allowing for straightforward assembly and disassembly by anyone without the need for specialised skills. This feature enables rapid and practical lighting arrangements, offering significant advantages in terms of decorative innovations.

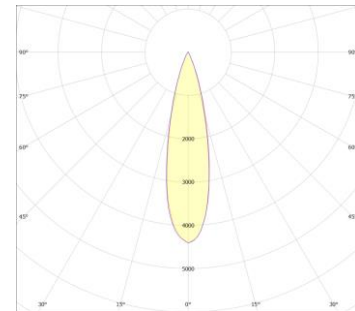
The color quality of the LEDs used in Pearl series luminaires that can be mounted on magnetic rails is better than existing LED luminaires. Advantages such as LED technology, low energy consumption with 48V DC common supply and long life have made magnetic rail spotlights more attractive. You can make different designs possible by using luminaires and accessories that you can easily use at home as well as office, business center, retailing.



General Application Areas



Optical Beam Angles



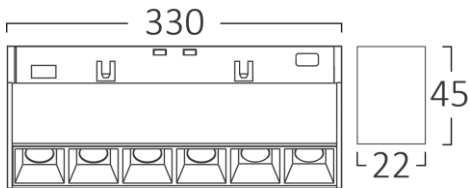
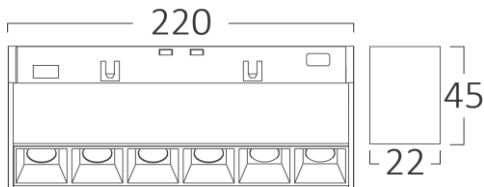
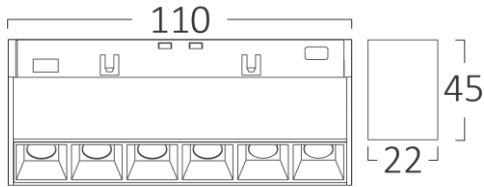
Technical Specifications

Body	:Aluminum Extrusion
IP Protection Class	:IP 20
Luminous Flux	:440 lm ~ 2040lm
Light source	:LED
Test Standards	:TS EN 60598, TS EN 60529, TS EN 62031, TS EN 62262, TS IEC TR 62471, TS EN 62722-2-1

Optical and Electrical Properties

Power	6W ~ 18W	Light Angle	24°
CE Marking	Yes	Power Factor	-
Optics	PMMA / PC	Max Tensile Strength	2kV
Effectiveness Factor	>73lm/W	Color Temperature	3000K/4000K
Input Voltage	48V DC	CRI	>90
Dimensions	330x22x45 mm	Weight	180 gr

Technical Drawing (Side View) and Wiring Diagram

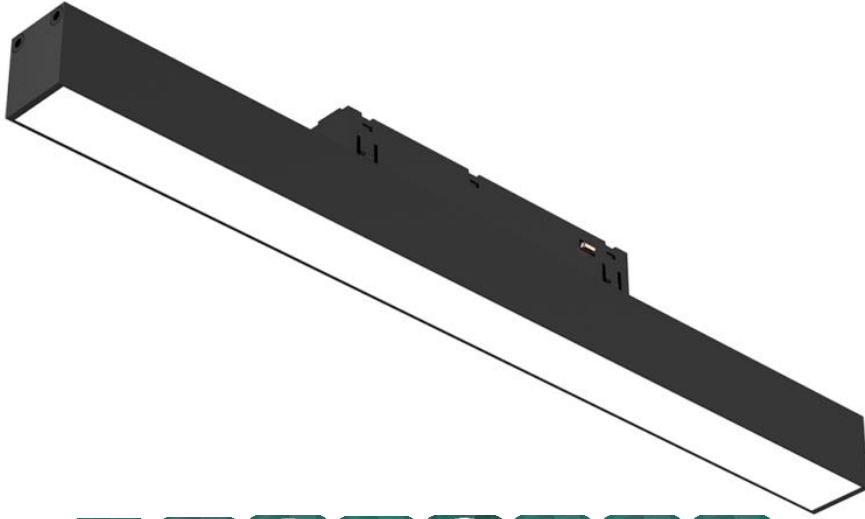


Product Variations

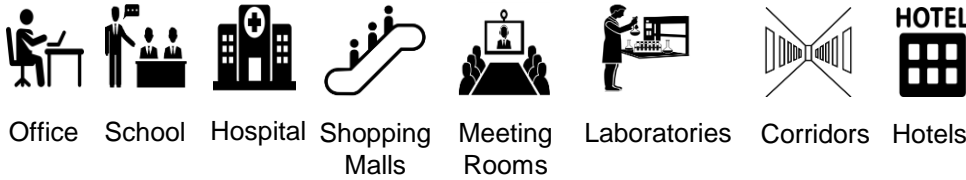
Product Code	Power	Entrance Voltage	CCT	Efficiency Factor(lm/W)	Light Flux	Light Angle	Dimensions	Weight (g)	Body Color	Assemblage Blizzard
PRL-006TR-00241-930-9005	6W	48VDC	3000K	73	440 lm	24°	110mm x 22mm x 45mm	75 gr	Black	Surface Mounted
PRL-006TR-00241-940-9005	6W	48VDC	4000K	73	440 lm	24°	110mm x 22mm x 45mm	75 gr	Black	Surface Mounted
PRL-012TR-00241-930-9005	12W	48VDC	3000K	85	1020 lm	24°	220mm x 22mm x 45mm	135 gr	Black	Surface Mounted
PRL-012TR-00241-940-9005	12W	48VDC	4000K	85	1020 lm	24°	220mm x 22mm x 45mm	135 gr	Black	Surface Mounted
PRL-018TR-00241-930-9005	18W	48VDC	3000K	88	1580 lm	24°	330mm x 22mm x 45mm	180 gr	Black	Surface Mounted
PRL-018TR-00241-940-9005	18W	48VDC	4000K	88	1580 lm	24°	330mm x 22mm x 45mm	180 gr	Black	Surface Mounted

Shipping Information of Products

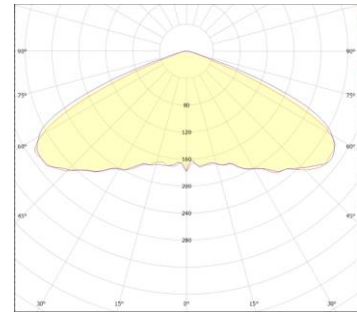
Product Code	Power	Product Weight (kg)	Weight of Packaged Product (kg)	Volume(m3)	Pieces in Box	Box Product Dimensions (mm)
PRL-006TR-00241-930-9005	6W	1,8 kg	2,2 kg	0.14	24	220mm x 140mm x 190mm
PRL-006TR-00241-940-9005	6W	1,8 kg	2,2 kg	0.14	24	220mm x 140mm x 190mm
PRL-012TR-00241-930-9005	12W	2,7 kg	3,3 kg	0.176	20	245mm x 225mm x 160mm
PRL-012TR-00241-940-9005	12W	2,7 kg	3,3 kg	0.176	20	245mm x 225mm x 160mm
PRL-018TR-00241-930-9005	18W	3,6 kg	4,3 kg	0.259	20	360mm x 225mm x 160mm
PRL-018TR-00241-940-9005	18W	3,6 kg	4,3 kg	0.259	20	360mm x 225mm x 160mm



General Application Areas



Optical Beam Angles



120°

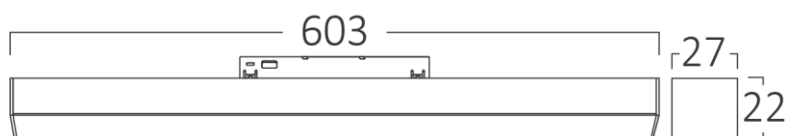
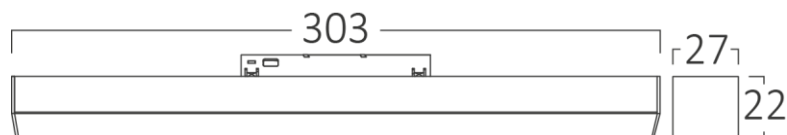
Technical Specifications

Body	:Aluminum Extrusion
IP Protection Class	:IP 40
Luminous Flux	:950 lm ~ 1850 lm
Light source	:LED
Test Standards	:TS EN 60598, TS EN 60529, TS EN 62031, TS EN 62262, TS IEC TR 62471, TS EN 62722-2-1

Optical and Electrical Properties

Power	10W ~ 18W	Light Angle	120°
CE Marking	Yes	Power Factor	-
Optics	PMMA / PC	Max Tensile Strength	2kV
Effectiveness Factor	>95 lm/W	Color Temperature	3000K/4000K
Input Voltage	48V DC	CRI	>90
Dimensions	303x22x27 mm	Weight	150 gr

Technical Drawing (Side View) and Wiring Diagram



Product Variations

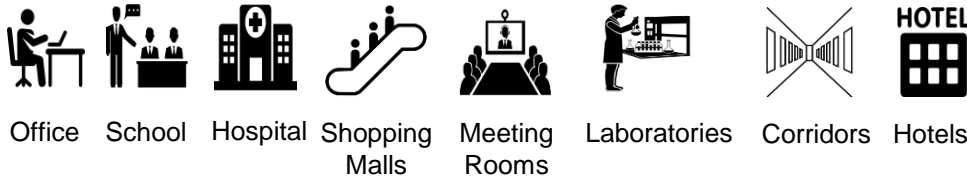
Product Code	Power	Entrance Voltage	CCT	Efficiency Factor(lm/W)	Light Flux	Light Angle	Dimensions	Weight (g)	Body Color	Assemblage Blizzard
PLN-010TR-01201-930-9005	10W	48VDC	3000K	95	950Lm	120°	303mm x 22mm x 27mm	150 gr	Black	Surface Mounted
PLN-010TR-01201-940-9005	10W	48VDC	4000K	95	950Lm	120°	303mm x 22mm x 27mm	150 gr	Black	Surface Mounted
PLN-018TR-01201-930-9005	18W	48VDC	3000K	102	1850Lm	120°	603mm x 22mm x 27mm	255 gr	Black	Surface Mounted
PLN-018TR-01201-940-9005	18W	48VDC	4000K	102	1850Lm	120°	603mm x 22mm x 27mm	255 gr	Black	Surface Mounted

Shipping Information of Products

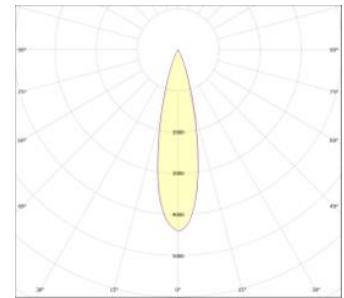
Product Code	Power	Product Weight (kg)	Weight of Packaged Product (kg)	Volume(m3)	Pieces in Box	Box Product Dimensions (mm)
PLN-010TR-01201-930-9005	10W	3 kg	3,7 kg	0.3564	20	330mm x 220mm x 160mm
PLN-010TR-01201-940-9005	10W	3 kg	3,7 kg	0.3564	20	330mm x 220mm x 160mm
PLN-018TR-01201-930-9005	18W	5,1 kg	6,3 kg	0.7128	20	630mm x 220mm x 160mm
PLN-018TR-01201-940-9005	18W	5,1 kg	6,3 kg	0.7128	20	630mm x 220mm x 160mm



General Application Areas



Optical Beam Angles



24°

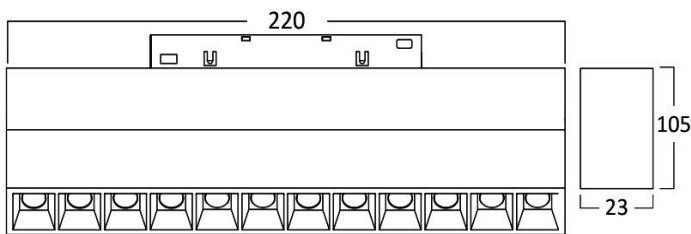
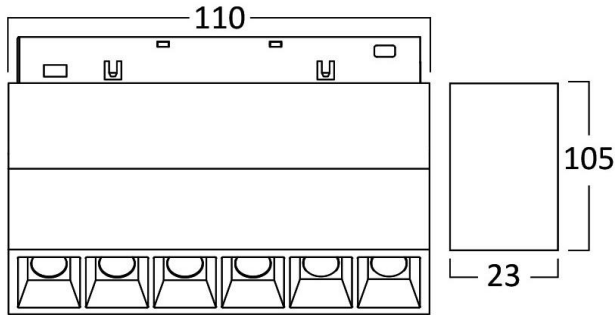
Technical Specifications

Body	:Aluminum Extrusion
IP Protection Class	:IP 20
Luminous Flux	:440 lm ~ 1020 lm
Light source	:LED
Test Standards	:TS EN 60598, TS EN 60529, TS EN 62031, TS EN 62262, TS IEC TR 62471, TS EN 62722-2-1

Optical and Electrical Properties

Power	6W ~ 12W	Light Angle	24°
CE Marking	Yes	Power Factor	-
Optics	PMMA / PC	Max Tensile Strength	2kV
Effectiveness Factor	>73 lm/W	Color Temperature	3000K/4000K
Input Voltage	48V DC	CRI	>90
Dimensions	110x23x105 mm	Weight	255 gr

Technical Drawing (Side View) and Wiring Diagram



Product Variations

Product Code	Power	Entrance Voltage	CCT	Efficiency Factor(lm/W)	Light Flux	Light Angle	Dimensions	Weight (g)	Body Color	Assemblage Blizzard
PTL-006TR-00241-930-9005	6W	48VDC	3000K	73	440 lm	24°	110mm x 23mm x 105mm	255 gr	Black	Surface Mounted
PTL-006TR-00241-940-9005	6W	48VDC	4000K	73	440 lm	24°	110mm x 23mm x 105mm	255 gr	Black	Surface Mounted
PTL-012TR-00241-930-9005	12W	48VDC	3000K	85	1020 lm	24°	220mm x 23mm x 105mm	470 gr	Black	Surface Mounted
PTL-012TR-00241-940-9005	12W	48VDC	4000K	85	1020 lm	24°	220mm x 23mm x 105mm	470 gr	Black	Surface Mounted

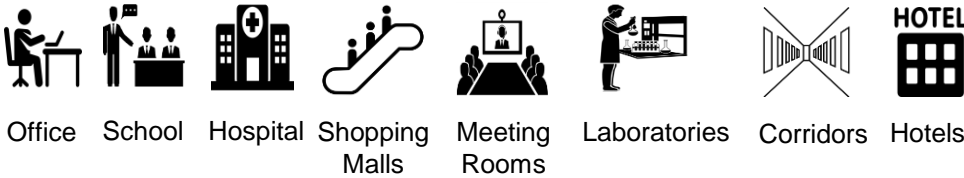
Shipping Information of Products

Product Code	Power	Product Weight (kg)	Weight of Packaged Product (kg)	Volume(m3)	Pieces in Box	Box Product Dimensions (mm)
PTL-006TR-00241-930-9005	6W	2,55 kg	3 kg	0.023	10	260mm x 150mm x 160mm
PTL-006TR-00241-940-9005	6W	2,55 kg	3 kg	0.023	10	260mm x 150mm x 160mm
PTL-012TR-00241-930-9005	12W	4,7 kg	5,3 kg	0.112	10	280mm x 250mm x 160mm
PTL-012TR-00241-940-9005	12W	4,7 kg	5,3 kg	0.112	10	280mm x 250mm x 160mm

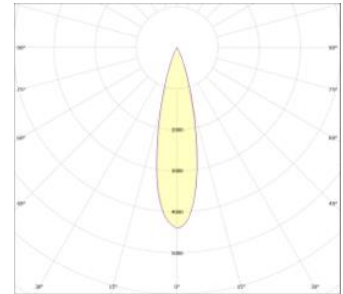
PEARL ROD 7W ~ 15W



General Application Areas



Optical Beam Angles



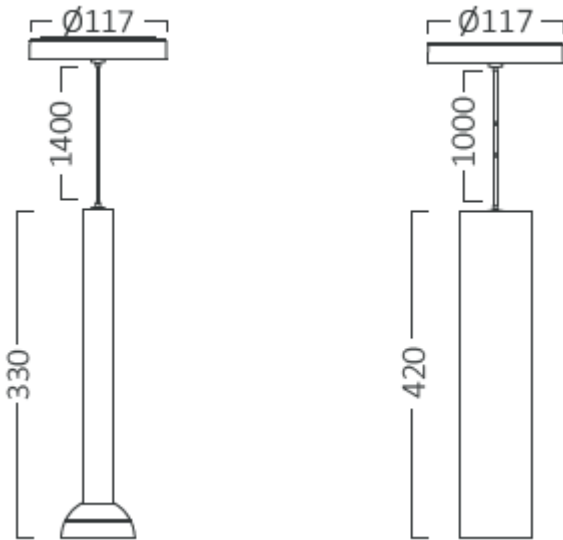
Technical Specifications

Body	:Aluminum Extrusion
IP Protection Class	:IP 20
Luminous Flux	:520 lm
Light source	:LED
Test Standards	:TS EN 60598, TS EN 60529, TS EN 62031, TS EN 62262, TS IEC TR 62471, TS EN 62722-2-1

Optical and Electrical Properties

Power	7W	Light Angle	24°
CE Marking	Yes	Power Factor	-
Optics	PMMA / PC	Max Tensile Strength	2kV
Effectiveness Factor	74 lm/W	Color Temperature	3000K/4000K
Input Voltage	48V DC	CRI	>90
Dimensions	420 mm 117 mm çap	Weight	390 gr

Technical Drawing (Side View) and Wiring Diagram



Product Variations

Product Code	Power	Entrance Voltage	CCT	Efficiency Factor(lm/W)	Light Flux	Light Angle	Dimensions	Weight (g)	Body Color	Assemblage Blizzard
PRR-007TR-00241-930-9005	7 W	48VDC	3000K	74	430Lm	24°	Diameter 117mm x Height 330mm	390 gr	Black	Rail
PRR-015TR-00241-930-9005	15 W	48VDC	3000K	74	1250Lm	24°	Diameter 117mm x Height 420mm	390 gr	Black	Rail
PRR-015TR-00241-940-9005	15 W	48VDC	4000K	74	1250Lm	24°	Diameter 117mm x Height 420mm	390 gr	Black	Rail

Shipping Information of Products

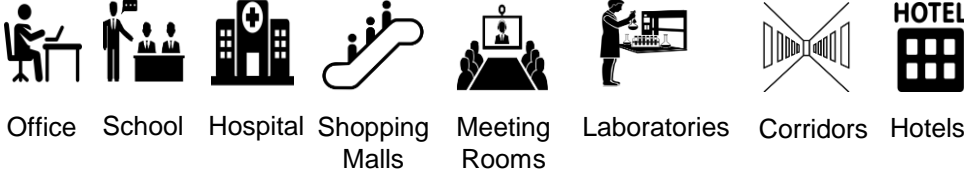
Product Code	Power	Product Weight (kg)	Weight of Packaged Product (kg)	Volume(m3)	Pieces in Box	Box Product Dimensions (mm)
PRR-007TR-00241-930-9005	7 W	11,85 kg	14,55 kg	1.787	30	475mm x 425mm x 295mm
PRR-015TR-00241-930-9005	15 W	11,85 kg	14,55 kg	1.787	30	475mm x 425mm x 295mm

PEARL SPOT 6W ~ 18W

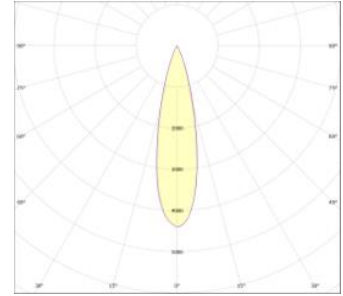
odak® R&D
CENTER
smart city technologies



General Application Areas



Optical Beam Angles



24°

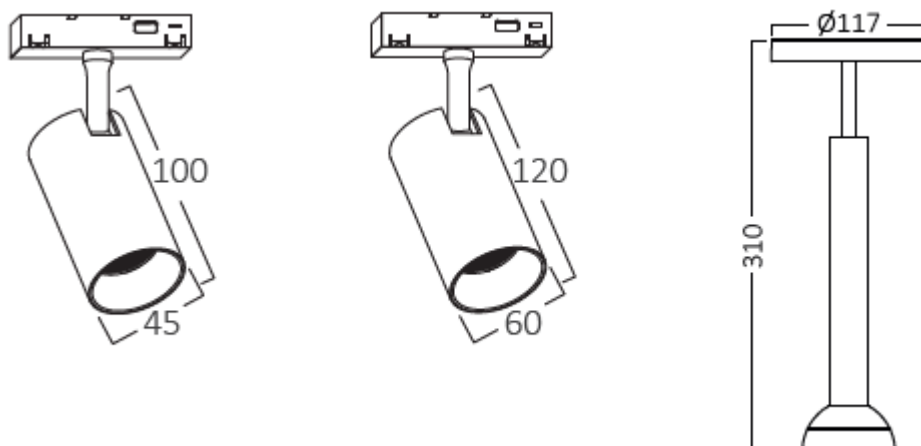
Technical Specifications

Body	:Aluminum Extrusion
IP Protection Class	:IP 20
Luminous Flux	:440 lm ~ 1580 lm
Light source	:LED
Test Standards	:TS EN 60598, TS EN 60529, TS EN 62031, TS EN 62262, TS IEC TR 62471, TS EN 62722-2-1

Optical and Electrical Properties

Power	6W ~ 18W	Light Angle	24°
CE Marking	Yes	Power Factor	-
Optics	PMMA / PC	Max Tensile Strength	2kV
Effectiveness Factor	>73 lm/W	Color Temperature	3000K/4000K
Input Voltage	48V DC	CRI	>90
Dimensions	147x180x80 mm / 35 mm çap	Weight	140 gr

Technical Drawing (Side View) and Wiring Diagram



Product Variations

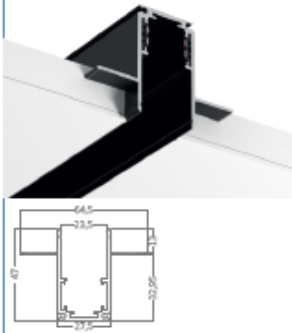
Product Code	Power	Entrance Voltage	CCT	Efficiency Factor(lm/W)	Light Flux	Light Angle	Dimensions	Weight (g)	Body Color	Assemblage
PRS-007TR-00241-930-9005	7W	48VDC	3000K	73	430 lm	24°	117mm x 310mm	140 gr	Black	Surface Mounted
PRS-010TR-00241-930-9005	10W	48VDC	3000K	81	680 lm	24°	100mm x 45mm	210 gr	Black	Surface Mounted
PRS-010TR-00241-940-9005	10W	48VDC	4000K	81	680 lm	24°	100mm x 45mm	210 gr	Black	Surface Mounted
PRS-018TR-00241-930-9005	18W	48VDC	3000K	88	1340 lm	24°	120mm x 60mm	353 gr	Black	Surface Mounted
PRS-018TR-00241-940-9005	18W	48VDC	4000K	88	1340 lm	24°	120mm x 60mm	353 gr	Black	Surface Mounted

Shipping Information of Products

Product Code	Power	Product Weight (kg)	Weight of Packaged Product (kg)	Volume(m3)	Pieces in Box	Box Product Dimensions (mm)
PRS-007TR-00241-930-9005	7W	2,25 kg	3,6 kg	0.379	20	430mm x 290mm x 190mm
PRS-010TR-00241-930-9005	10W	3,35 kg	5,15 kg	0.491	16	430mm x 310mm x 230mm
PRS-010TR-00241-940-9005	10W	3,35 kg	5,15 kg	0.491	16	430mm x 310mm x 230mm
PRS-018TR-00241-930-9005	18W	5,65 kg	7,8 kg	0.792	16	505mm x 350mm x 280mm
PRS-018TR-00241-940-9005	18W	5,65 kg	7,8 kg	0.792	16	505mm x 350mm x 280mm

MAGNETIC RAIL SPOT LIGHTING ACCESSORIES

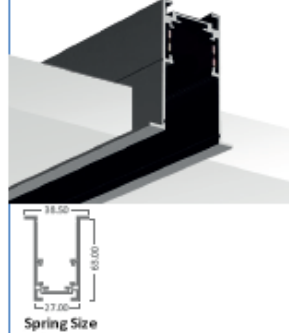
48VDC Trimless Recessed Magnetic Rail



PRODUCT CODE	LENGTH
PRC41-00111	1M
PRC41-00121	2M
PRC41-00131	3M

Product	Black
Output Voltage	48VDC
Input Voltage	48VDC
IP	IP20
Material	Aluminum
Number of Boxes	4

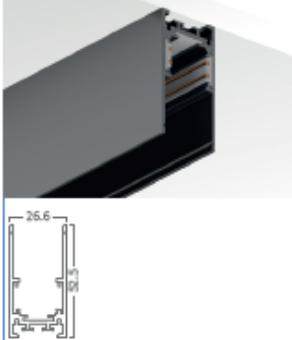
48VDC Flush Mounted Spring Loaded Magnetic Rail



PRODUCT CODE	LENGTH
PRC41-00411	1M
PRC41-00421	2M
PRC41-00431	3M

Product	Black
Output Voltage	48VDC
Input Voltage	48VDC
IP	IP20
Material	Aluminum
Number of Boxes	4

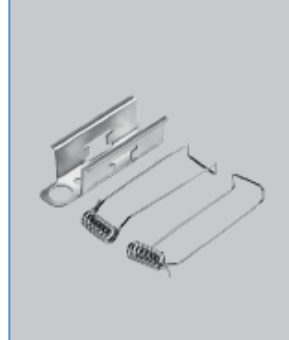
48VDC Surface Mounted Deep Magnetic Rail



PRODUCT CODE	LENGTH
PRC41-00211	1M
PRC41-00221	2M
PRC41-00231	3M

Product	Black
Output Voltage	48VDC
Input Voltage	48VDC
IP	IP20
Material	Aluminum
Number of Boxes	6

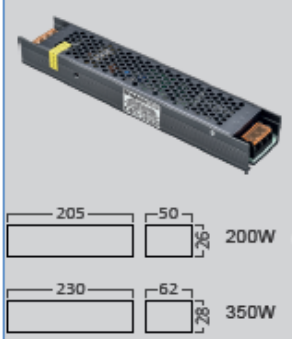
48VDC Flush Spring



PRODUCT CODE	MODEL
PRC41-90301	CRC04

Product Color	Silver
IP	IP20
Material	Metal
Number of Parcel	100

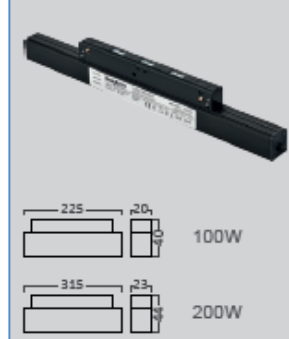
48VDC Max.200W And Max.350W Led Driver



PRODUCT CODE	WATT	CURRENT
PRC03-22000	200W	4A
PRC03-22500	350W	7.2A

Output Voltage	48VDC
Introduction	100V-240VAC
IP	IP20
Material	Aluminum
200W Carton MOQ	56
300W Carton MOQ	42

48VDC Energy Input Driver



PRODUCT CODE	WATT	CURRENT
PRC03-21001	100W	2A
PRC03-22001	200W	2A

Product Color	Black
Output Voltage	48VDC
Input Voltage	100V-240VAC
IP	IP20
Material	Plastic
Number of Parcel	50

48VDC Magnet Wired Energy Starter Connection (Red Blue)



PRODUCT CODE	MODEL
PRC41-90031	SC01

Product Color	Black
Output Voltage	48VDC
Input Voltage	48VAC
IP	IP20
Material	Plastic
Number of Parcel	50

48VDC To Make Magnet Interconnection 2MT+2MT=4MT

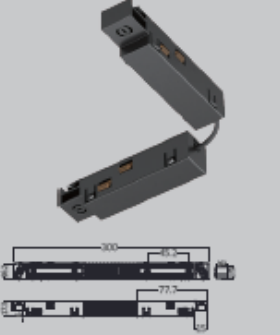


PRODUCT CODE	MODEL
PRC41-90011	ST01

Product	Black
Output Voltage	48VDC
Input Voltage	48VDC
IP	IP20
Material	Aluminum
Number of Boxes	100

MAGNETIC RAIL SPOT LIGHTING ACCESSORIES

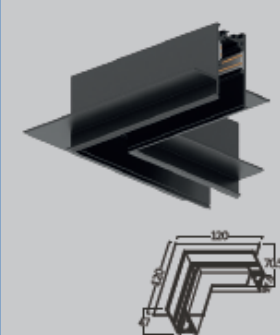
48VDC Flexible Connection for Magnet Corners Surface Mounted Flush Mounted



PRODUCT CODE	MODEL
PRC41-90021	CR01

Product Color	Black
Output Voltage	48VDC
Input Voltage	48VDC
IP	IP20
Material	Plastic
Number of Boxes	100

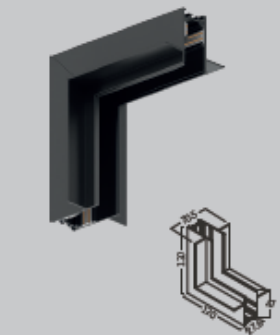
48VDC Magnet Recessed Ceiling L Return



PRODUCT CODE	MODEL
PRC41-10101	CRC01

Product Color	Black
Output Voltage	48VDC
Input Voltage	48VDC
IP	IP20
Material	Aluminum
Number of Boxes	8

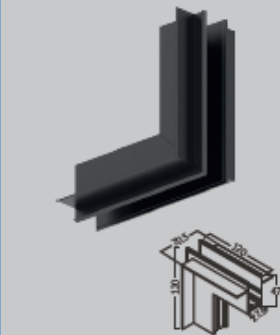
48VDC Magnet Flush Ceiling L Turn Wall Interior Corner



PRODUCT CODE	MODEL
PRC41-10111	CRC02

Product Color	Black
Output Voltage	48VDC
Input Voltage	48VDC
IP	IP20
Material	Aluminum
Number of Boxes	8

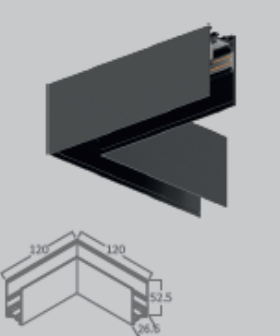
48VDC Magnet Recessed L Return Wall External Corner



PRODUCT CODE	MODEL
PRC41-10121	CRC03

Product Color	Black
Output Voltage	48VDC
Input Voltage	48VDC
IP	IP20
Material	Aluminum
Number of Boxes	8

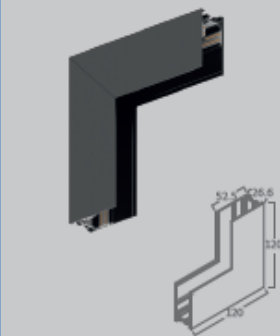
48VDC Magnet Surface Mounted L Return For Ceiling



PRODUCT CODE	MODEL
PRC41-10221	SRC03

Product Color	Black
Output Voltage	48VDC
Input Voltage	48VDC
IP	IP20
Material	Aluminum
Number of Boxes	8

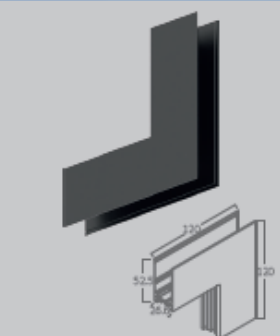
48VDC Magnet Surface Mounted L Return For Wall



PRODUCT CODE	MODEL
PRC41-10211	SRC02

Product Color	Black
Output Voltage	48VDC
Input Voltage	48VDC
IP	IP20
Material	Aluminum
Number of Boxes	8


48VDC Magnet Surface Mounted L Return Wall External Corner



PRODUCT CODE	MODEL
PRC41-10201	SRC01

Product Color	Black
Output Voltage	48VDC
Input Voltage	48VDC
IP	IP20
Material	Aluminum
Number of Boxes	8

48VDC Magnet Flush Mount Spring Ceiling L Return

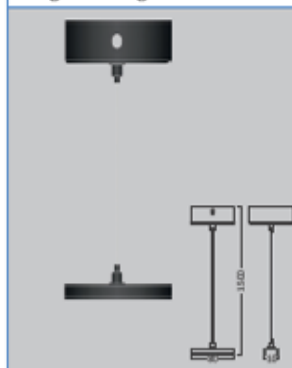


PRODUCT CODE	MODEL
PRC41-10401	CRC04

Product Color	Black
Output Voltage	48VDC
Input Voltage	48VDC
IP	IP20
Material	Aluminum
Number of Boxes	8

MAGNETIC RAIL SPOT LIGHTING ACCESSORIES

Magnet Hanger Set with Rosette




Product image showing a black square rosette and a black metal hanger with a cable and connector.

PRODUCT CODE	MODEL
PRC41-90051	PD02

Product Color	Black
IP	IP20
Material	Metal
Number of Parcel	50

Magnet Hanger Set

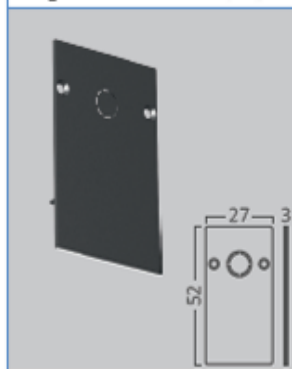


Product image showing a black metal hanger with a cable and connector, and a black metal mounting plate with two screws.

PRODUCT CODE	MODEL
PRC41-90041	PD01

Product Color	Black
IP	IP20
Material	Metal
Number of Parcel	100

Magnet Termination Cover Flush-mounted (Set)

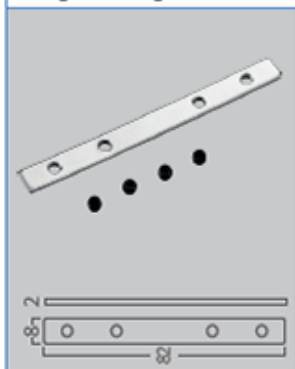


Product image showing a black rectangular termination cover with a circular cutout and two screws. Dimensions: 52mm height, 27mm width, 3mm thickness.

PRODUCT CODE	MODEL
PRC41-90091	RC01

Product Color	Black
IP	IP20
Material	Plastic
Number of Parcel	100

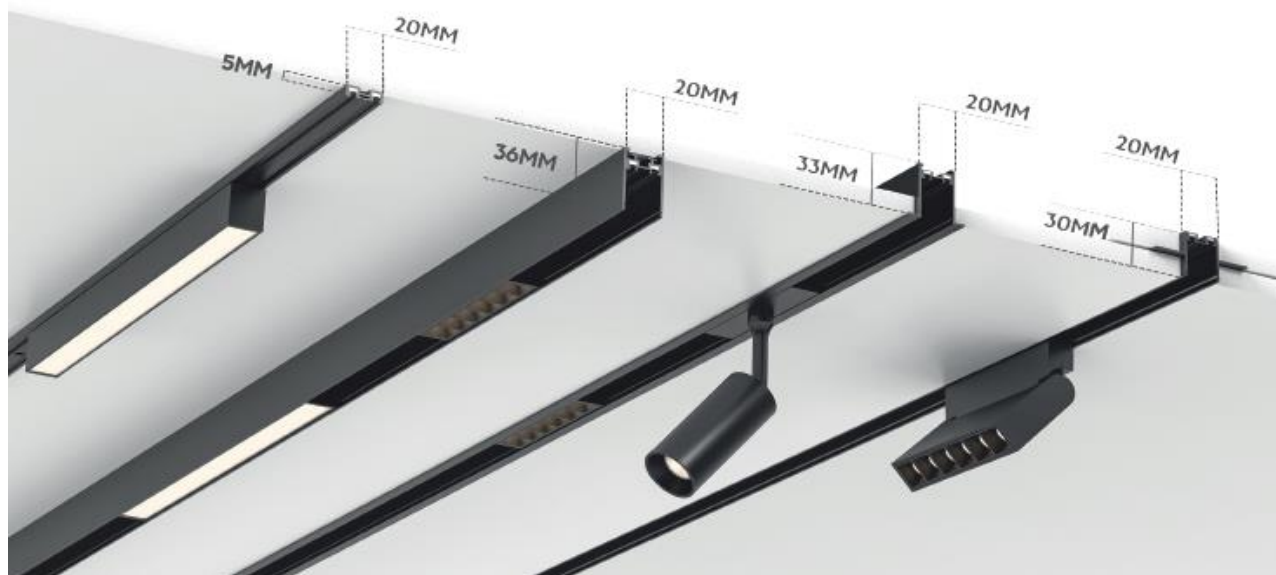
Magnet Fixing Plate For Pendant



Product image showing a black metal fixing plate with four screws and a black metal mounting plate with two screws.

PRODUCT CODE
PRC41-90081

IP	IP20
Material	Metal
Number of Parcel	100





The energy savings achieved with LED light source floodlights make them an excellent investment.

In today's world, where energy is becoming increasingly important, using energy efficiently and reducing energy costs are among the top priorities for businesses. Replacing traditional light sources (metal halide, fluorescent, sodium vapor) with LED light source luminaires can significantly reduce expenditure and investment costs. These luminaires do not require changing the light source for five years and do not require maintenance, instead of changing the lamp every two years. The energy savings they provide can offset the initial investment in less than two years.

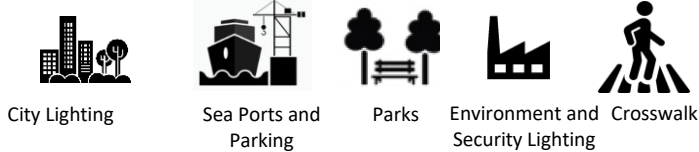
Please be advised that as of September 2023, T5 and T8 fluorescent and compact fluorescent tubes (CFL) will no longer be available for purchase in accordance with the European Commission's eco design and RoHS directives. Consequently, the deployment of LED light source luminaires in hospitality, retail, manufacturing, and industrial facilities is on the rise. Their low energy consumption and extended lifespan minimize maintenance needs and reduce operational costs. Additionally, they are eco-friendly, consuming less energy and generating less waste. KNX or DALI automation and compatibility with presence and daylight sensors offer further savings and flexibility, enhancing operational efficiency and cost control.

LED light source floodlights represent an environmentally friendly option with high energy savings, low consumption, and less waste. The flexible design of LED floodlights allows customers to choose the best option to meet their specific lighting needs. LED light source floodlights are an optimal lighting solution for businesses, offering energy efficiency, full compliance with automation and Industry 4.0 standards, extended lifespan, and environmentally friendly features. Moreover, with color options in different wavelengths, they enhance creativity in both commercial and artistic applications. The wide range of color options offered by LED floodlights allows businesses and individuals to achieve greater flexibility and creativity in their lighting solutions. This makes LED floodlights superior not only in terms of energy efficiency, but also in terms of aesthetics and functionality, making them an ideal choice for a variety of settings.

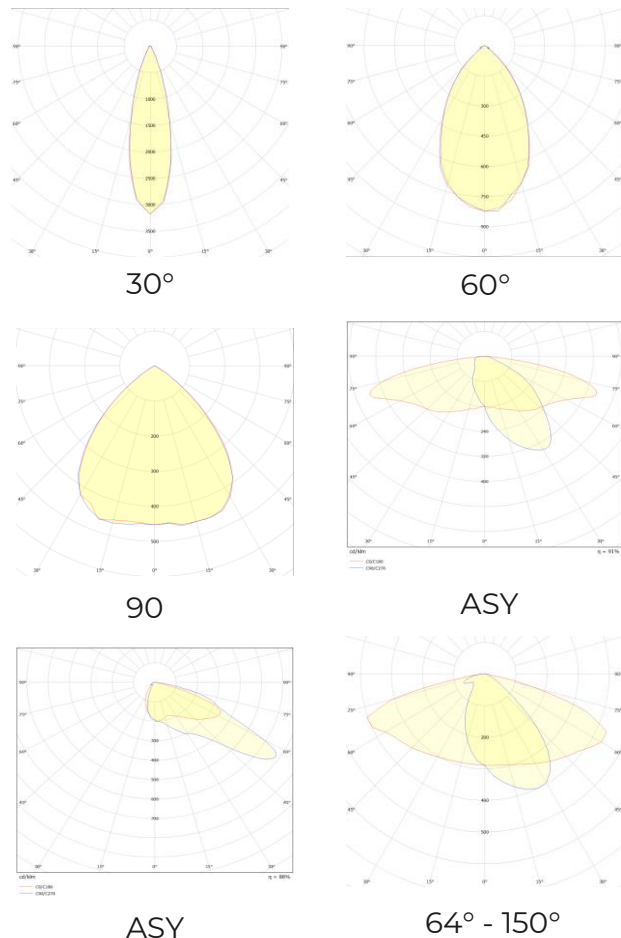
LUMISTAR SECURE BEAM PEDESTRIAN LIGHTING PROJECTOR



General Application Areas



Optical Beam Angles



General Information

In the current era, pedestrian pathway lighting is no longer merely the installation of a street lamp. It is also about leveraging modern technology to offer a range of benefits. The advancement of LED technology has led to the creation of energy-efficient and environmentally friendly lighting systems. These systems provide enhanced illumination with significantly reduced energy consumption compared to traditional lighting methods, thereby contributing to both financial savings and the conservation of natural resources.

Pedestrian pathway lighting serves two important purposes: it illuminates the streets and plays a key role in improving traffic safety. For this reason, lighting systems mounted on poles carrying traffic lights have become a crucial component in ensuring the safety of drivers and pedestrians. In particular, in areas with heavy traffic and intersections, properly illuminated crosswalks and sidewalks are essential for regulating traffic flow and preventing accidents. Pedestrian path lighting mounted on poles carrying traffic lights attracts the attention of drivers at night, raising awareness of pedestrian priority and thus creating a safer transportation environment in cities.

LUMISTAR SECURE BEAM PEDESTRIAN LIGHTING PROJECTOR

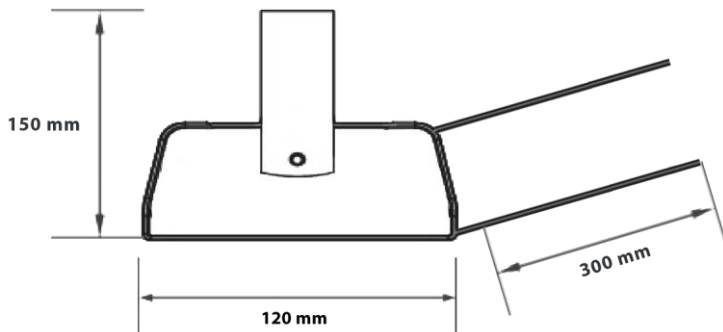
Technical Specifications

Body	:Aluminum Injection
IP Protection Class	:IP 65
Luminous Flux	:6750 lm
Light source	:LED
Test Standards	:TS EN 60598-1, TS EN 60598-2-3, TS EN 62031,TS IEC TR 62471,TS EN 60529, TS EN 62262,TS EN 62722-2-1

Optical and Electrical Properties

Power	50W	Light Angle	30°/ 60°/ 90°/ ASY
CE Marking	Yes	Power Factor	>0,9
Optics	PMMA / PC	Max Tensile Strength	1kV - 4kV (10kV Optional)
Effectiveness Factor	>135 lm/W	Color Temperature	2200K/3000K/4000K/5000 K/6500K
Input Voltage	50/60 HZ	CRI	>70
Total Harmonic Distortion	<%20	Operating Temperature	-25°C / +55°C
Dimensions	120*300*150mm	LED Lifespan	60,000 Hours

Technical Drawing (Side View) and Wiring Diagram



LUMISTAR LOW BAY LIGHT 100W



General Application Areas



City Lighting



Sea Ports and Parking



Parks



Environment and Security Lighting

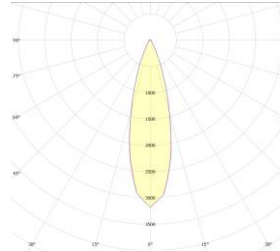
General Information

The Lumistar High Bay LED Luminaire has been designed for use in industrial plants, warehouses, and sports facilities with ceiling heights ranging from 7 meters to 25 meters.

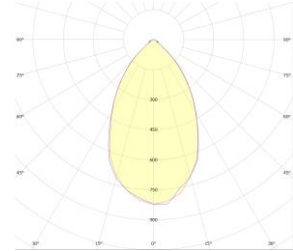
Lumistar is designed to withstand the harsh conditions of industrial environments, offering a high degree of mechanical protection (IK08), water and dust protection (IP66), and proven chemical resistance. Its robust, compact, and reliable design provides excellent light quality, with 30°, 60°, 90°, and asymmetric light distribution options to meet the specific lighting needs of factories.

Lumistar series luminaires offer a solution for replacing existing luminaires that meets the criteria of efficiency, energy saving, and improved light management. Additionally, they can be integrated into Industry 4.0 workflows with 1-10V, DALI, and KNX automation control possibilities.

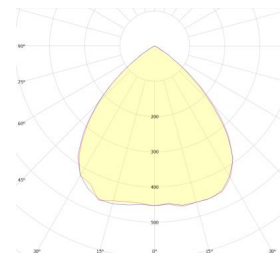
Optical Beam Angles



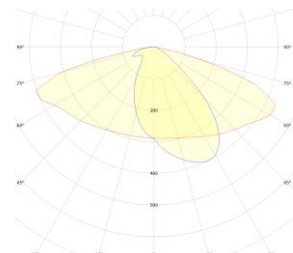
30°



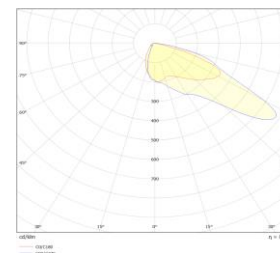
60°



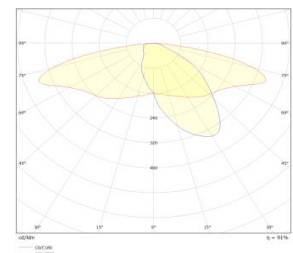
90



64° - 150°



ASY



ASY

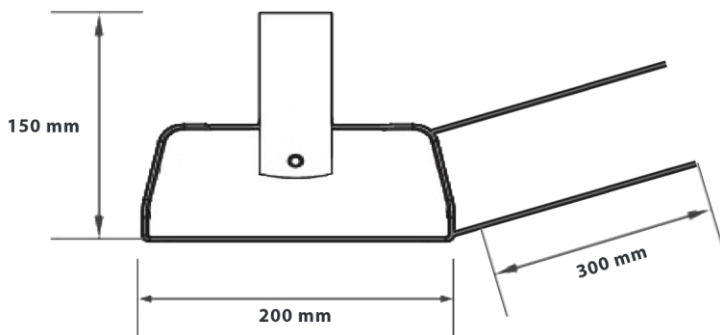
Technical Specifications

Body	:Aluminum Injection
IP Protection Class	:IP 65
Luminous Flux	:13500 lm
Light source	:LED
Test Standards	:TS EN 60598-1, TS EN 60598-2-3, TS EN 62031, TS IEC TR 62471, TS EN 60529, TS EN 62262, TS EN 62722-2-1

Optical and Electrical Properties

Power	100W	Light Angle	30° / 60° / 90° / ASY
CE Marking	Yes	Power Factor	>0,9
Optics	PMMA / PC	Max Tensile Strength	1kV - 4kV (10kV Optional)
Effectiveness Factor	>135 lm/W	Color Temperature	2200K/3000K/4000K/5000 K/6500K
Input Voltage	50/60 HZ	CRI	>70
Total Harmonic Distortion	<%20	Operating Temperature	-25°C / +55°C
Dimensions	200*300*150mm	LED Lifespan	LED Lifespan

Technical Drawing (Side View) and Wiring Diagram



Product Ordering Information

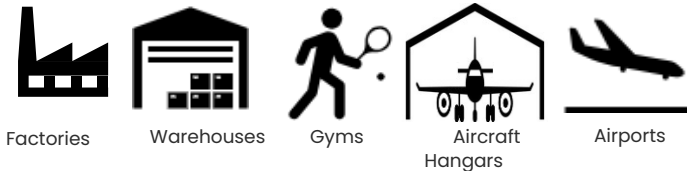
Product Code	Power	Effectiveness Factor	Input Voltage	CCT	Luminous Flux	Light Angle	Dimensions
LMS-100BB-00301-865-7016	100W	>135 lm/W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	13500lm	30°	200X300X150mm
LMS-100BB-00601-865-7016	100W	>135 lm/W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	13500lm	60°	200X300X150mm
LMS-100BB-00901-865-7016	100W	>135 lm/W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	13500lm	90°	200X300X150mm
LMS-100BB-ASY11-865-7016	100W	>135 lm/W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	13500lm	ASY1°	200X300X150mm
LMS-100DM-00301-865-7016	100W	>135 lm/W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	13500lm	30°	200X300X150mm
LMS-100DM-00601-865-7016	100W	>135 lm/W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	13500lm	60°	200X300X150mm
LMS-100DM-00901-865-7016	100W	>135 lm/W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	13500lm	90°	200X300X150mm
LMS-100DM-ASY11-865-7016	100W	>135 lm/W	200-240 V AC 50/60 Hz	3000K/4000K/6500K	13500lm	ASY1°	200X300X150mm

CAPELLA High Bay Fixture 72W ~ 128W

odak® R&D
CENTER
smart city technologies



General Application Areas



Factories

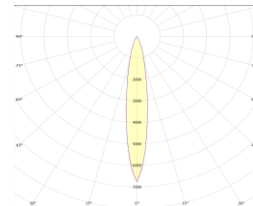
Warehouses

Gyms

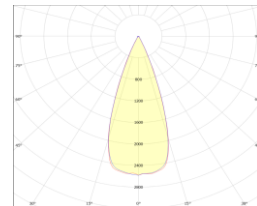
Aircraft
Hangars

Airports

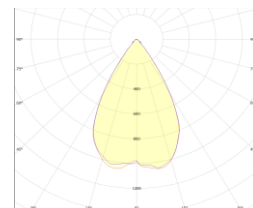
Optical Beam Angles



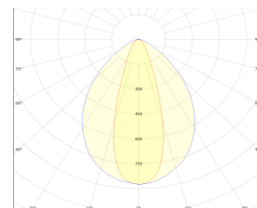
18°



40°



60°



25°-65°

General Information

The Capella High Bay LED Luminaire has been designed to replace point light sources such as metal halide and sodium vapor in industrial plants, warehouses, and sports facilities with ceiling heights ranging from 7 meters to 25 meters.

Capella is one of the brightest stars in the night sky. Capella series luminaires, like the Capella star, are designed with high-quality components that will provide 365 days of uninterrupted, reliable light, requiring minimal maintenance and easy assembly. The mechanical structure is designed for long life in your facilities.

The Capella boasts a high degree of mechanical protection (IK08), water and dust protection (IP66), and proven chemical resistance, making it an ideal choice for harsh industrial environments. Its robust, compact, and reliable design offers excellent light quality.

The Capella series offers a range of light distribution options, including 18°, 25°, 40°, and 60°, as well as asymmetric options, to meet the specific lighting needs of factories. These luminaires can be used to replace existing luminaires, allowing users to benefit from increased efficiency, energy savings, and improved light management. Additionally, the Capella series is compatible with 1-10V, DALI, and KNX automation control systems, making it an ideal choice for integration into Industry 4.0 work environments.

CAPELLA High Bay Fixture

72W ~ 128W

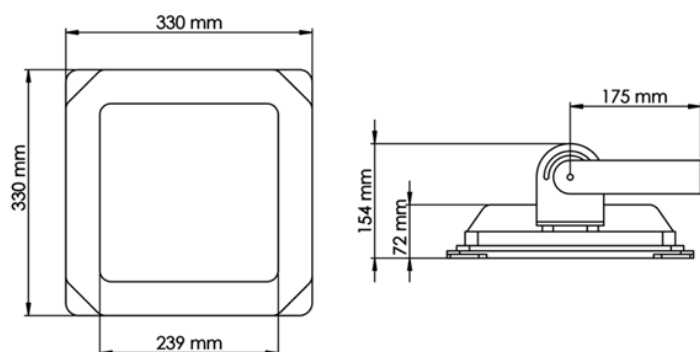
Technical Specifications

Power	:72W ~ 96W ~ 128W
Input Voltage	:200-240 V AC 50/60 HZ
Power Factor	:>0,9
Effectiveness Factor	:>132+lm/W
:>132+lm/W	:9504lm ~ 16896lm
Light Angle	:18°/40°/60°/20-70°
Color Temperature (CCT)	:3000K /4000K/5000K/ 6500K
Color Rendering Index (CRI)	:80+
IP Protection Class	:IP 66 / IP67 (Optional)
Dimensions	:330x330x154 mm / 1200x115x85 mm
Weight	:7,9 kg
Warranty Period	:5 Year

Optical and Electrical Properties

Body	Aluminum Extrusion	CE Marking	Yes
Color Options	Black, Grey	RoHS Compliance	Yes
Front Cover	Tempered Glass	Lifetime	≥60,000 Hours
Lens	PMMA	Throttling Options	1-10V, TRIAC, DALI
Light source	LED	Operating Temperature	-25°/+55°C
Impact Resistance	IK 08- IK 10 (Optional)	Total Harmonic Distortion	<%20

Technical Drawing and Wiring Diagram



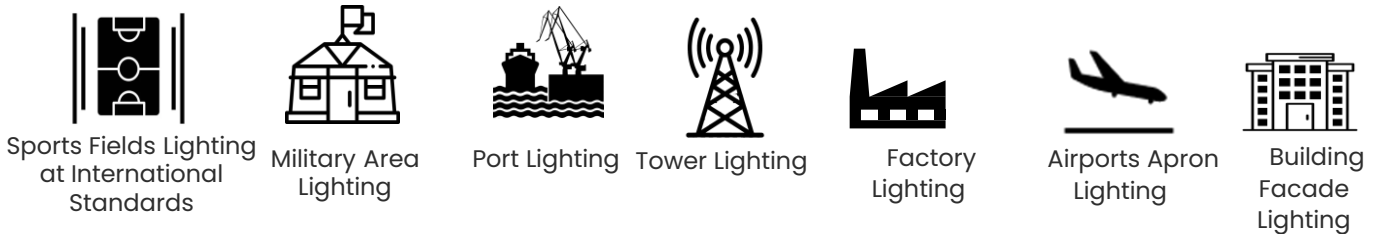
CAPELLA 72W/96W/128W

Product Code	Power	Input Voltage	Luminous Flux	Light Angle	Dimensions	Weight
CPL-072SM-00601-865-7016	72W	200-240 V AC 50/60 Hz	9504 lm	60°	330x330x154 mm	7,9 kg
CPL-096SM-00601-865-7016	96W	200-240 V AC 50/60 Hz	12672 lm	60°	330x330x154 mm	7,9 kg
CPL-128SM-00601-865-7016	128W	200-240 V AC 50/60 Hz	16896 lm	60°	330x330x154 mm	7,9 kg
CPL-072SM-00401-865-7016	72W	200-240 V AC 50/60 Hz	9028 lm	40°	330x330x154 mm	7,9 kg
CPL-072SM-00401-865-7016	96W	200-240 V AC 50/60 Hz	12038 lm	40°	330x330x154 mm	7,9 kg
CPL-128SM-00401-865-7016	128W	200-240 V AC 50/60 Hz	16051 lm	40°	330x330x154 mm	7,9 kg

Deneb Projector 250W~300W



General Application Areas

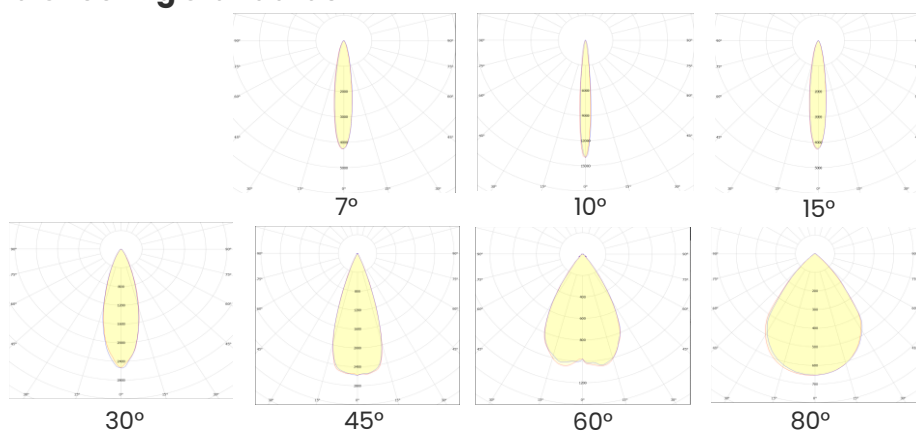


General Information

Suitable for 4K TV Broadcast and Shooting Standards

Optional Anti-glare visor.
Excellent Surface Quality
Flicker Free
CRI 70/80/90&TLCI

Optical Beam Angles



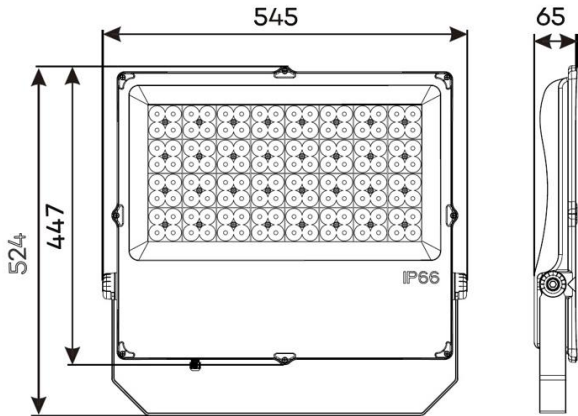
Deneb Projector 250W~300W

Technical Specifications

Model	: Deneb		
Power	: 250W		300W
Input Voltage	: 100 - 277V AC 50/60Hz		
Power Coefficient	: 0,97		0,98
Lumens	:35709		41265
Number of LEDs	128 Led High Power	Light Color	3000-4000-5000-6500K
Color Rendering (CRI)	70/80/90 Optional	Led LM80(L70) Lifetime	>60,000 Hours
Operating Temperature	-30 / +55°C	Lens Angle	7°-10°-15°-30°-45°-60°-80° Type II - Type III Asymmetric
IP Protection Class	IP66 Outdoor Environment	Body Material	Aluminum Injection Molding
Front Section	4mm Tempered Glass	Mounting Foot Screw Diameter	8 (Min.) / 10 (Max.) mm
Mounting Foot 2 Screw Spacing	100 (Min.) / 200 (Max.) mm	Weight	8,5 kg
Dimensions	52,4 x 54,5 x 6,5 cm	Test Standards	EN 60598-1, EN 60598-2-5

* Lumen values are for CRI 70.

Technical Drawing (Side View) and Wiring Diagram



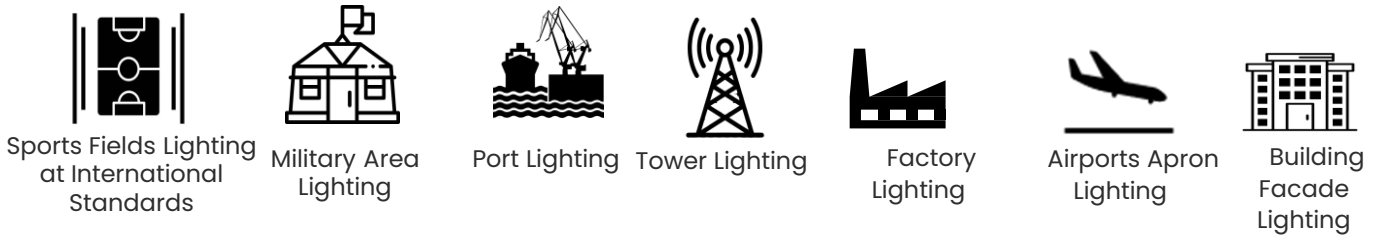
Product Images



Heka Projector 400W



General Application Areas

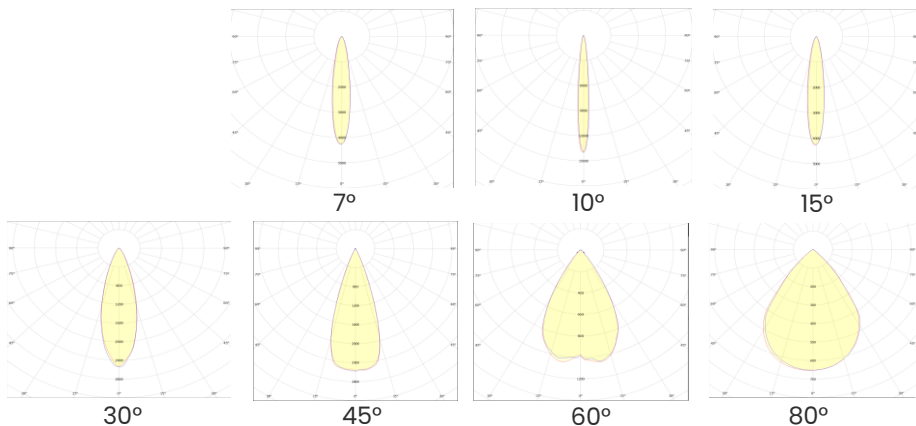


General Information

Suitable for 4K TV Broadcast and Shooting Standards

Optional Anti-glare visor.
Excellent Surface Quality
Flicker Free
CRI 70/80/90&TLCI

Optical Beam Angles



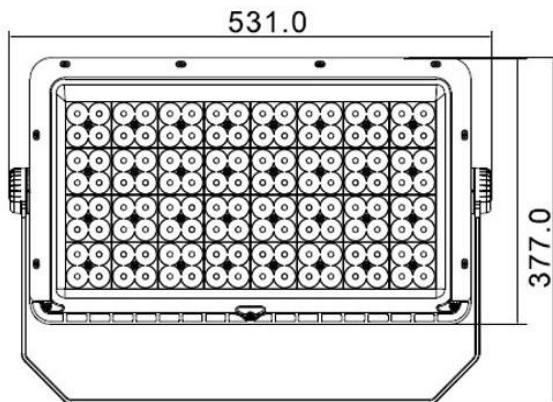
Heka Projector 400W

Technical Specifications

Model	: Rigel		
Power	:400W		
Input Voltage	:100-277V AC 50/60Hz		
Power Coefficient	:0,98		
Lumens	:>52000		
Number of LEDs	128 Pcs/SMD 5050 or 3535 High Power	Light Color	3000-4000-5000-6500K
Color Rendering (CRI)	70/80/90 Optional	Led LM80(L70) Lifetime	>60,000 Hours
Operating Temperature	-30 / +55°C	Lens Angle	7°-10°-15°-30°-45°-60°-80°
IP Protection Class	IP66 Outdoor Environment	Body Material	Aluminum Injection
Front Section	4mm Tempered Glass	Mounting Foot Screw Diameter	10 or 12 mm
Mounting Foot 2 Screw Spacing	20 cm	Weight	13 kg
Dimensions	53,1 x 37,7 x 13,4 cm	Test Standards	EN 60598-1, EN 60598-2-5

* Lumen values are for CRI 70.

Technical Drawing (Side View) and Wiring Diagram



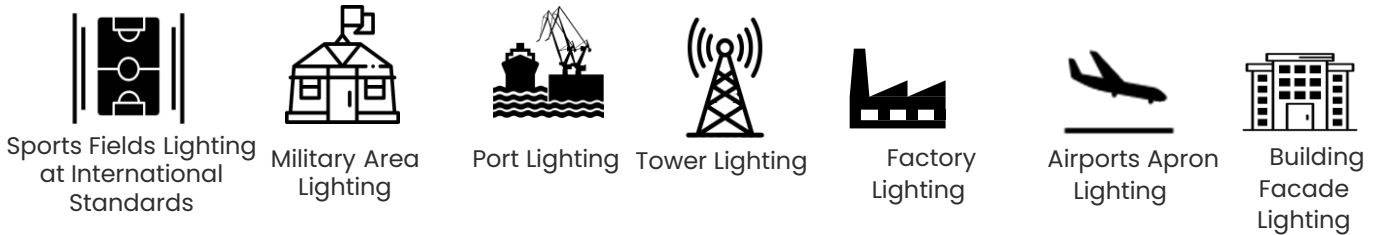
Product Images



Vega Projector 600W



General Application Areas

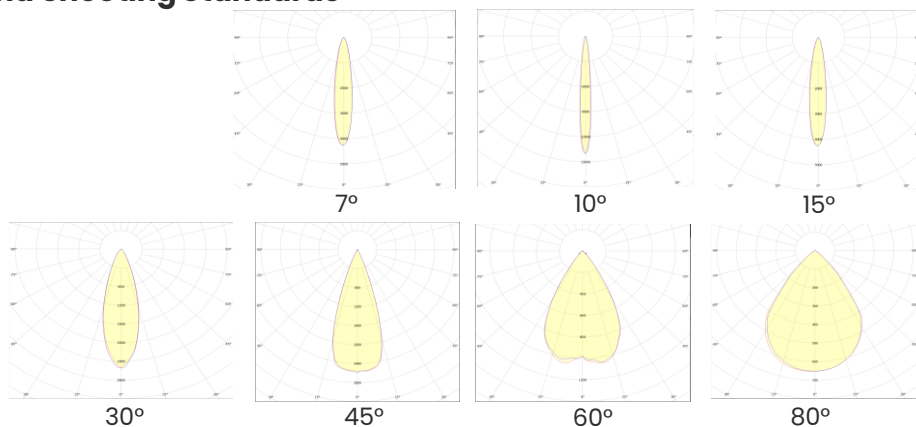


General Information

Suitable for 4K TV Broadcast and Shooting Standards

Optional Anti-glare visor.
Excellent Surface Quality
Flicker Free
CRI 70/80/90&TLCI

Optical Beam Angles



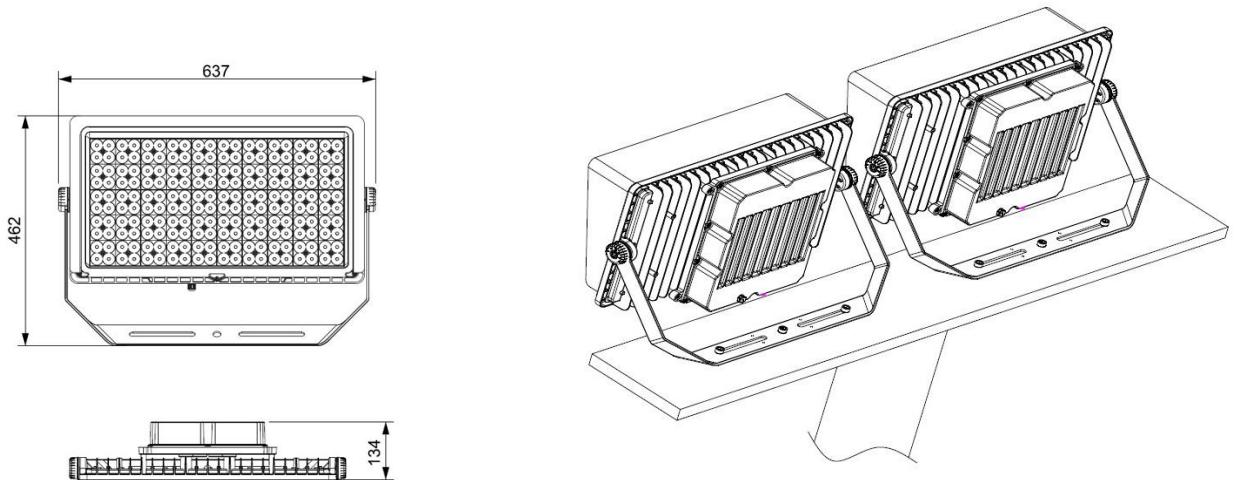
Vega Projector 600W

Technical Specifications

Model	: Vega		
Power	: 600W		
Input Voltage	: 100-277V AC 50/60Hz		
Power Coefficient	: 0,99		
Lumens	: >78954		
Number of LEDs	200 Pcs/SMD 5050 or 3535 High Power	Light Color	3000-4000-5000-6500K
Color Rendering (CRI)	70/80/90 Optional	Led LM80(L70) Life	>60,000 Hours
Operating Temperature	-30 / +55°C	Lens Angle	7°-10°-15°-30°-45°-60°-80°
IP Protection Class	IP66 Outdoor Environment	Body Material	Aluminum Injection
Front Section	4mm Tempered Glass	Mounting Foot Screw Diameter	10 or 12 mm
Mounting Foot 2 Screw Spacing	20 cm	Weight	15,4 kg
Dimensions	63,7 x 46,2 x 13,4 cm	Test Standards	EN 60598-1, EN 60598-2-5

* Lumen values are for CRI 70.

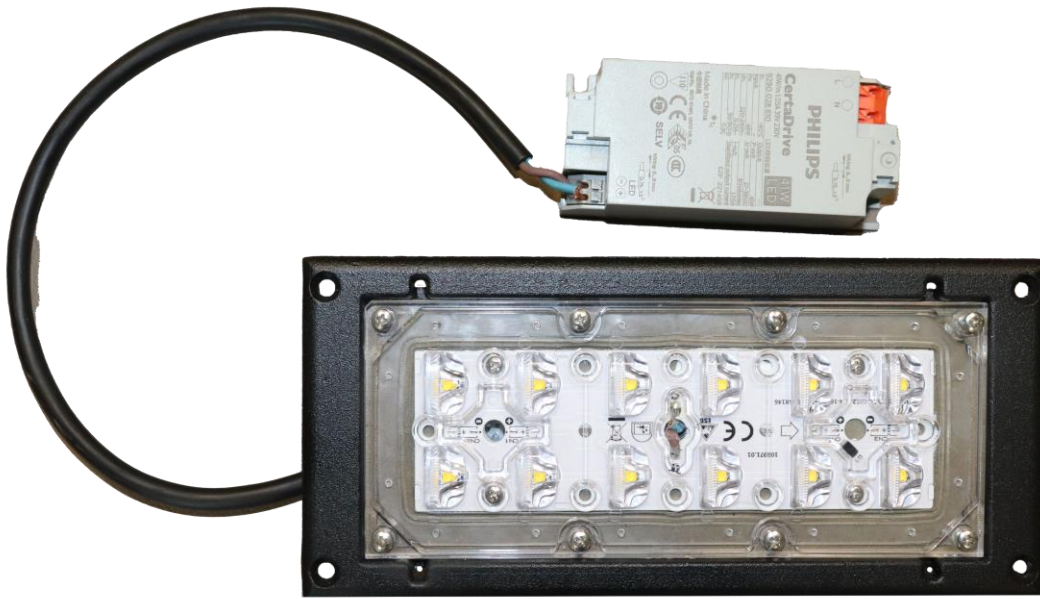
Technical Drawing (Side View) and Wiring Diagram



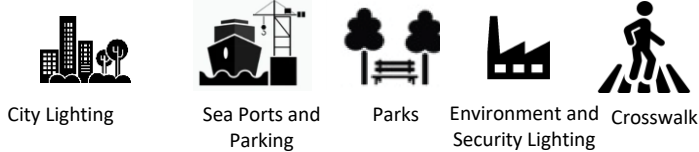
Product Images



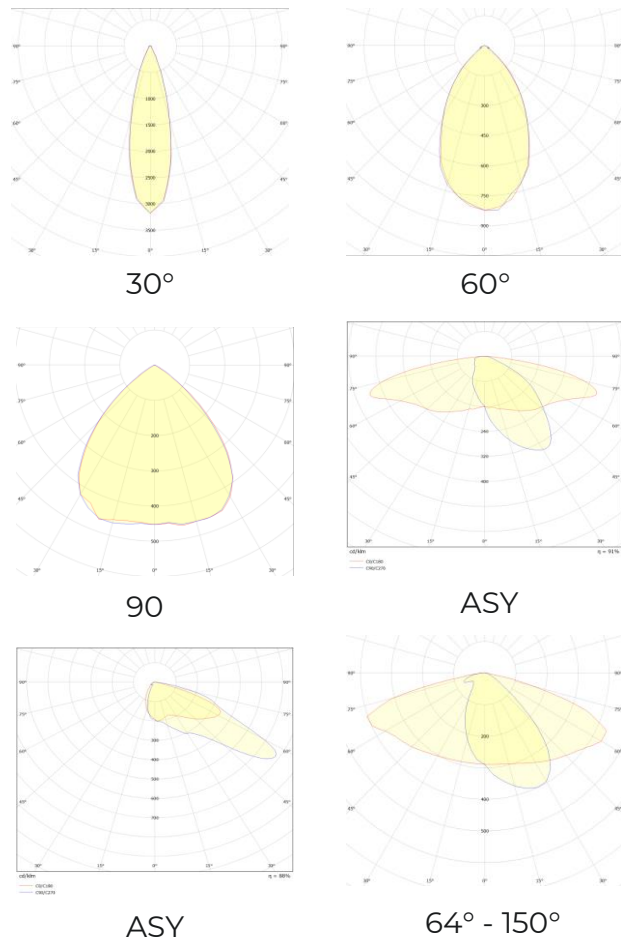
LUMISTAR SECURE BEAM PEDESTRIAN LIGHTING MODULE



General Application Areas



Optical Beam Angles



General Information

In the current era, pedestrian pathway lighting is no longer merely the installation of a street lamp. It is also about leveraging modern technology to offer a range of benefits. The advancement of LED technology has led to the creation of energy-efficient and environmentally friendly lighting systems. These systems provide enhanced illumination with significantly reduced energy consumption compared to traditional lighting methods, thereby contributing to both financial savings and the conservation of natural resources.

Pedestrian pathway lighting serves two important purposes: it illuminates the streets and plays a key role in improving traffic safety. For this reason, lighting systems mounted on poles carrying traffic lights have become a crucial component in ensuring the safety of drivers and pedestrians. In particular, in areas with heavy traffic and intersections, properly illuminated crosswalks and sidewalks are essential for regulating traffic flow and preventing accidents. Pedestrian path lighting mounted on poles carrying traffic lights attracts the attention of drivers at night, raising awareness of pedestrian priority and thus creating a safer transportation environment in cities.

LUMISTAR SECURE BEAM PEDESTRIAN LIGHTING MODULE

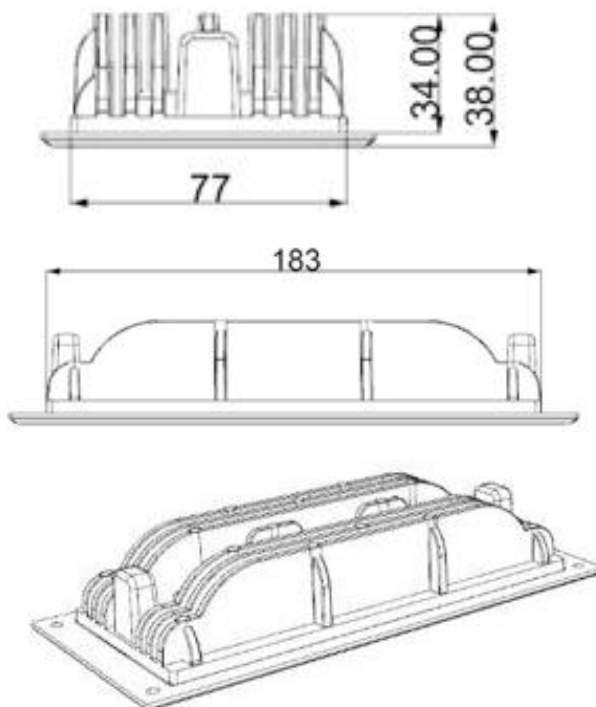
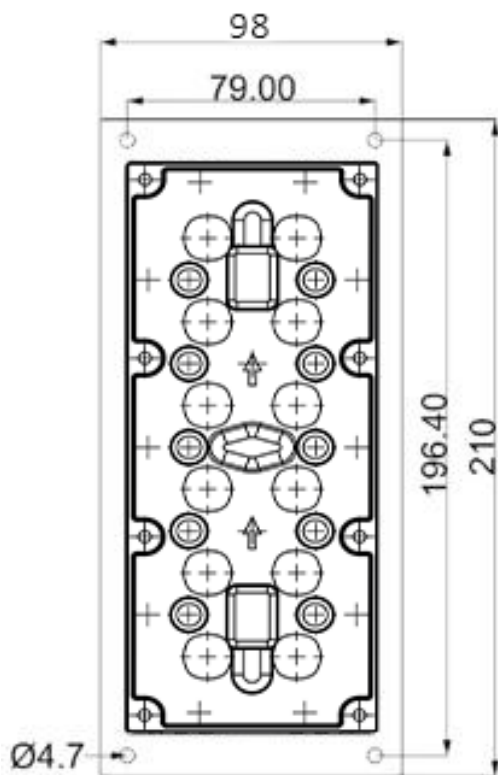
Technical Specifications

Body	:Aluminum Injection
IP Protection Class	:IP 65
Luminous Flux	:5500 lm
Light source	:LED
Test Standards	:TS EN 60598-1, TS EN 60598-2-3, TS EN 62031,TS IEC TR 62471,TS EN 60529, TS EN 62262,TS EN 62722-2-1

Optical and Electrical Properties

Power	43W	Light Angle	30°/ 60°/ 90°/ ASY
CE Marking	Yes	Power Factor	>0,9
Optics	PMMA / PC	Max Tensile Strength	1kV - 4kV (10kV Optional)
Effectiveness Factor	>130 lm/W	Color Temperature	2200K/3000K/4000K/5000 K/6500K
Input Voltage	50/60 HZ	CRI	>70
Total Harmonic Distortion	<%20	Operating Temperature	-25°C / +55°C
Dimensions	210*98*38mm	LED Lifespan	60,000 Hours

Technical Drawing (Side View) and Wiring Diagram





As technology advances, electronic security systems utilizing qualified cameras have become increasingly prevalent. While cameras operate effectively during the day in applications such as vehicle counting, classification, and license plate recognition systems on highways, vehicle detection systems at the entrance and exit of industrial facilities, and license plate and vehicle class detection processes in city parking lots, they require lighting systems to ensure uninterrupted and consistent performance at night.

Infrared projectors are designed to work in conjunction with cameras to capture high-quality images. Infrared floodlights are used to obtain clear and high-quality images in low light conditions or dark environments, and are a key component in all areas where entrances and exits are recorded. Compared to traditional technologies, LED light source infrared projectors offer a number of advantages, including high resolution, wide coverage, low energy consumption and long life.

In today's technology landscape, there is a growing demand for these products in a number of areas, including in-vehicle imaging, 24/7 vehicle count classification, detection of driver fatigue in the vehicle, and artificial lighting in invisible areas. Their compact size and flexible mounting options make them suitable for a wide range of applications across various industries. Infrared floodlight technology is a rapidly evolving field, and it is expected to become even more widespread in the future.

As a company developing smart city technologies, we design and produce infrared projectors as import substitution systems in a range of power and sizes to meet the specific requirements of our customers. We are actively seeking new requests and orders from our customers and business partners.

CASTOR DOB LED Projector

30W ~ 200W



General Application Areas



Closed Parking lots



Factories

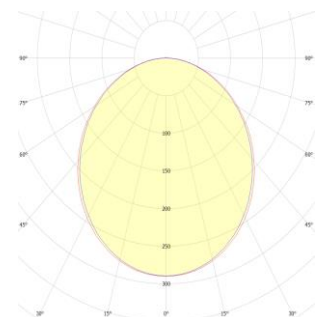


Building Circles



Park Walkway

Optical Beam Angles



110°

General Information

The CASTOR DOB LED Floodlight is a lighting fixture designed for use in a variety of settings, including parks, gardens, squares, auto-parks, building perimeters, walkways, and landscapes. It is suitable for mounting on poles with a height of 3 - 7 m. The luminaires feature LED modules with high energy efficiency and a compact case structure, offering an efficient and cost-effective lighting solution. The product is classified according to LED power, as well as different sizes and dimensions. It is available with different light distribution and power options, which can be selected according to the area to be illuminated. The design and production can also be adapted to suit specific project requirements.

CASTOR DOB LED Projector

30W ~ 200W

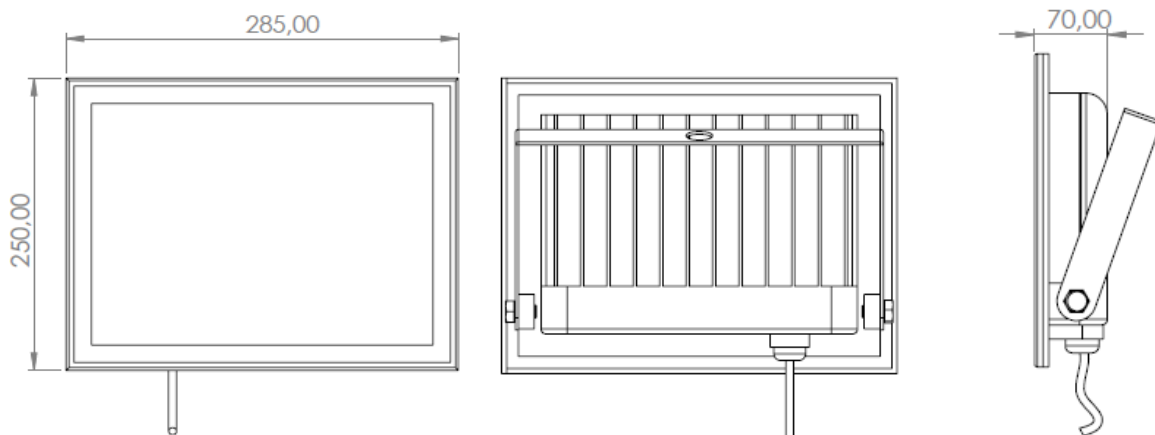
Technical Specifications

Power	:30W ~ 200W
Input Voltage	:200-240 V AC 50/60 HZ
Power Factor	:>0,9
Effectiveness Factor	:80+lm/W
Luminous Flux	:2400lm ~ 16000lm
Light Angle	:110°
Color Temperature (CCT)	:6500K
Color Rendering Index (CRI)	:80+
IP Protection Class	:IP 65-IP66(Optional)
Dimensions	:181x173x03mm
Warranty Period	:3 Year

Optical and Electrical Properties

Body	Polycarbon Extrusion	CE Marking	Yes
Color Options	RAL 9005	RoHS Compliance	Yes
Light source	LED	Lifetime	≥60,000 Hours
Impact Resistance	IK 08	Throttling Options	1-10V, TRIAC, DALI
Total Harmonic Distortion	<%20	Operating Temperature	-25°/+55°C

Technical Drawing and Wiring Diagram



Product Variations

Product Code	Power	Input Voltage	Luminous Flux	Light Angle	Dimensions
CSR-030SM-01101-865-9005	30W	200-240-V AC 50-60 HZ	2400 lm	110°	150x173x03mm
CSR-050SM-01101-865-9005	50W	200-240-V AC 50-60 HZ	4000 lm	110°	181x213x04mm
CSR-100SM-01101-865-9005	100W	200-240-V AC 50-60 HZ	8000 lm	110°	250x285x07mm
CSR-150SM-01101-865-9005	150W	200-240-V AC 50-60 HZ	12000 lm	110°	325x425x12mm
CSR-200SM-01101-865-9005	200W	200-240-V AC 50-60 HZ	16000 lm	110°	325x425x13mm

ROSS Infrared Lighting Fixture 8W



General Application Areas



Imaging
Systems

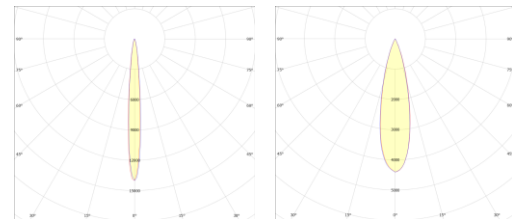


ANPR

General Information

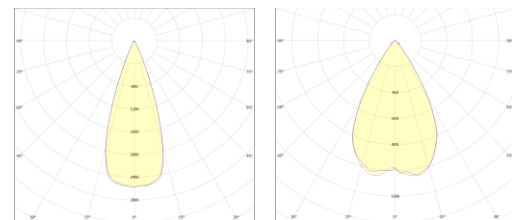
The Infrared LED Floodlight is an LED-based lighting device designed to support imaging systems. Its energy-efficient infrared light has an optimized wavelength for night vision, and the luminaire body is constructed to withstand outdoor conditions. The 10° light angle is ideal for speed detection, license plate reading, and other highway detection systems. The product is available in 10°, 25°, 40°, and 60° versions, offering versatility for different applications.

Optical Beam Angles



10°

25°



40°

60°

ROSS Infrared Lighting Fixture

8W

Technical Specifications

Body	: Aluminum Extrusion
Color Options	: 9006 Mat, Anodizing
IP Protection Class	: IP66 – IP67 (optional)
Front Cover	: Tempered Glass
Light source	: LED
Lens	: PMMA
Test Standards	: EN 60598-1, EN 60529, LM 79-18EN 60598-2-5, IEC TR 62778

Optical and Electrical Properties

Power	8 W	Total Harmonic Distortion	<%20
Wavelength	850 nm	Power Factor	>0,9
Infrared Emission	2.84 W	Warranty Period	3 Years
Light Angle	10°, 25°, 40°, 60°	Weight	31 kg
Input Voltage	220 -240 VAC / 12-24V DC (ops.)	Dimensions	188x142x65 mm
Throttling Options:	1-10V, TRIAC, DALI		

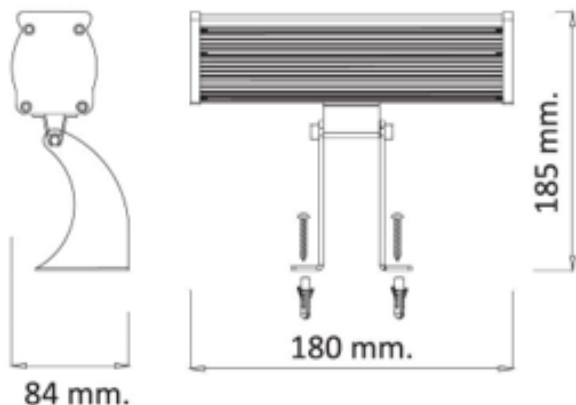
Other Features

Operating Temperature	-25°/+55°C	CE Marking	Yes
Impact Resistance Class	IK 08 – IK 10 (optional)	RoHS Compliance:	Yes
Lifetime	≥30,000 Hours		

Properties

- Ideal for License Plate Recognition Systems.
- Extra long life with very low maintenance.
- IP66 Enclosure for Outdoor Mounting.
- Compact with integrated LED Light Source.
- The pulse range can be adjusted from 1.6K~30KHz.
- Standalone or External trigger
- Synchronized support with camcorder (NTSC&PAL)
- Super long range up to 30m.

Technical Drawing (Side View) and Wiring Diagram



ROSS Infrared LED Floodlight 40W



General Application Areas



Imaging Systems



ANPR

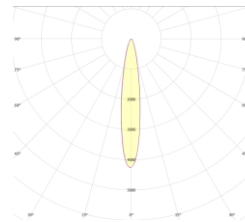
General Information

The Infrared LED Floodlight is an LED-based lighting device designed to support imaging systems

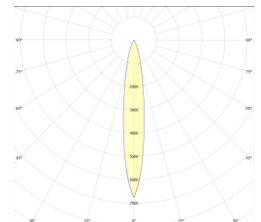
The infrared light is energy-efficient and has an optimized wavelength for night vision. The luminaire body is designed to withstand outdoor conditions.

The 10° light angle is ideal for speed detection, license plate reading, and other highway detection systems. It is also available in 8°, 17°, 25°, 40°, 45°, 60°, 90°, and 110° for a range of applications.

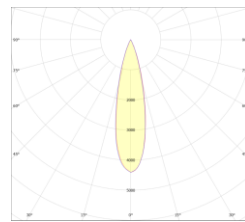
Optical Beam Angles



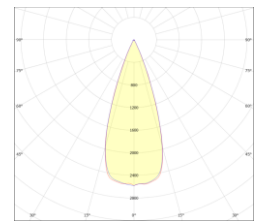
8°



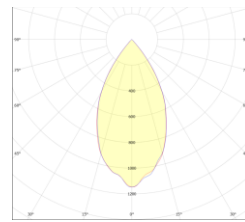
17°



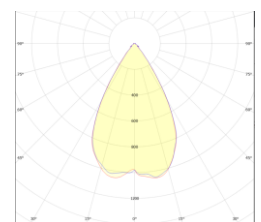
25°



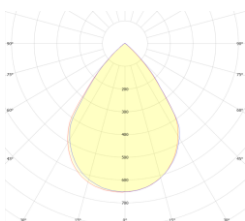
40°



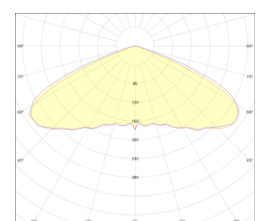
45°



60°



90°



110°

Technical Specifications

Body	: Aluminum Extrusion
Color Options	: Black, Grey
IP Protection Class	: IP 54
Front Cover	: Temperli Cam
Light source	: LED
Lens	: PMMA
Test Standards	: EN 60598-1, EN 60529, LM 79-18EN 60598-2-5, IEC TR 62778

Optical and Electrical Properties

Power	40 W ± %3	Total Harmonic Distortion	<%20
Wavelength	850 nm	Power Factor	>0,95
Infrared Emission	7,2 W	Warranty Period	3 Years
Light Angle	8°, 17°, 25°, 40°, 45°, °60°, 90°, 110°	Weight	2,7 kg
Input Voltage	200-240 V AC 50/60 Hz	Dimensions	250x150x70 mm
Throttling Options:	1-10V, TRIAC, DALI		

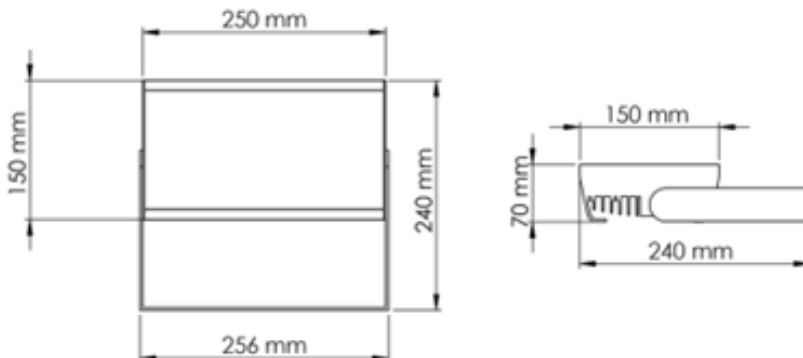
Other Features

Operating Temperature	-25°/+55°C	CE Marking	Yes
Impact Resistance Class	IK 08	RoHS Compliance:	Yes
Lifetime	≥30,000 Hours		

Properties

- Ideal for Traffic Application.
- Extra Long Life with Very Low Maintenance.
- IP66 Enclosure for Outdoor Installation.
- Compact with integrated LED Light Source.
- The pulse range is adjustable between 1.6K~30KHz.
- Independent or External trigger
- Support synchronized with video camera (NTSC&PAL)
- Super long range up to 400 m.

Technical Drawing (Side View) and Wiring Diagram



ROSS Infrared LED Projector 47W ~ 70W

odak R&D
CENTER
smart city technologies



General Application Areas



Imaging Systems



ANPR

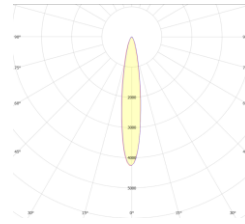
General Information

The Infrared LED Floodlight is an LED-based lighting device used to support imaging systems.

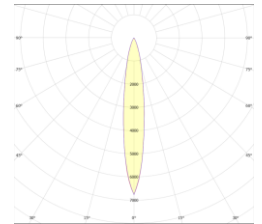
Its energy-efficient infrared light has an optimized wavelength for night vision, and the luminaire body is designed to operate in outdoor conditions.

The light angle is 10° for speed detection, license plate reading, and other highway detection systems. It is available in 8°, 17°, 25°, 40°, 60°, 90°, and 110° for different applications.

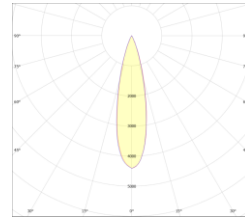
Optical Beam Angles



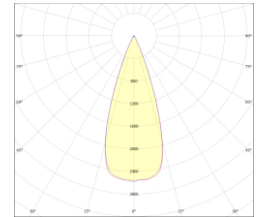
8°



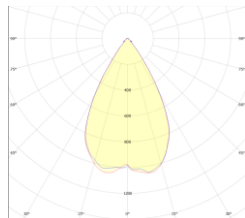
17°



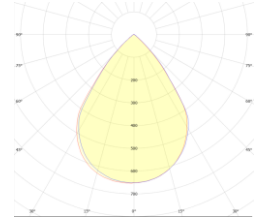
25°



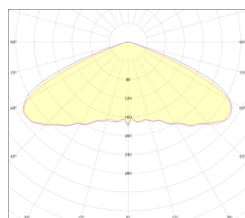
40°



60°



90°



110°

ROSS Infrared LED Projector

47W ~ 70W

Technical Specifications

Body	: Aluminum Extrusion
Color Options	: Black, Grey
IP Protection Class	: IP 65
Front Cover	: Temperli Cam
Light source	: LED
Lens	: PMMA
Test Standards	: EN 60598-1, EN 60529, LM 79-18EN 60598-2-5, IEC TR 62778

Optical and Electrical Properties

Power	47W ~ 70W	Total Harmonic Distortion	<%20
Wavelength	850 nm	Power Factor	>0,95
Infrared Emission	7.2W ~ 19W	Warranty Period	3 Years
Light Angle	8°, 17°, 25°, 40°, 60°, 90°, 110°	Weight	3,5 kg
Input Voltage	200-240 V AC 50/60 Hz	Dimensions	315x150x70 mm
Throttling Options:	1-10V, TRIAC, DALI		

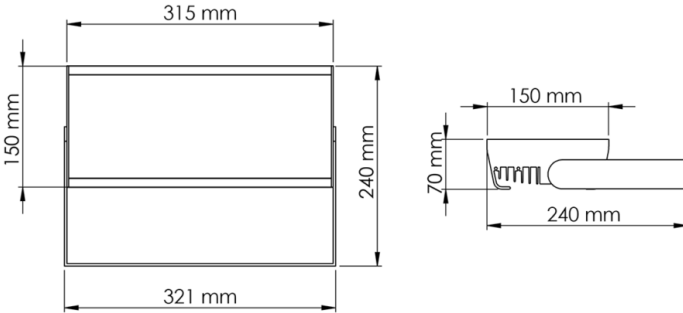
Other Features

Operating Temperature	-25°/+55°C	CE Marking	Yes
Impact Resistance Class	IK 08	RoHS Compliance:	Yes
Lifetime	≥30,000 Hours		

Properties

- Ideal for Traffic Application.
- Extra long life with very low maintenance.
- IP66 Enclosure for Outdoor Mounting.
- Compact with integrated LED Light Source.
- The pulse range can be adjusted from 1.6K~30KHz.
- Standalone or External trigger
- Synchronized support with camcorder (NTSC&PAL)
- Super long range up to 400m.

Technical Drawing (Side View) and Wiring Diagram

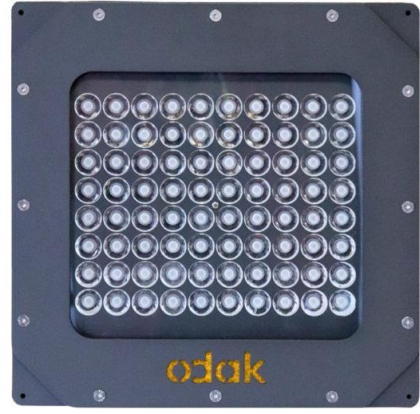


Product Variations

Product Code	Power	Input Voltage	Infrared Emission	Wavelength	Dimensions	Weight
RSS-047SM-01101-850-9005	47 W	200-240 V AC 50/60 Hz	7,2 W	850 nm	250x150x70 mm	2,7 kg
RSS-070SM-01101-850-9005	70 W	200-240 V AC 50/60 Hz	19 W	850 nm	315x150x70 mm	3,5 kg

BETELGEUSE Infrared LED Projector 70W ~ 125W

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General Application Areas

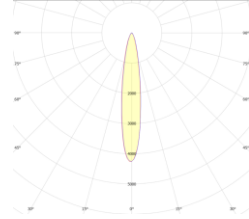


Görüntüleme Sistemleri

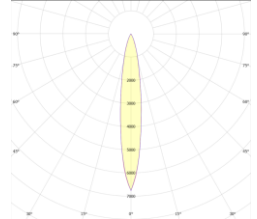


ANPR

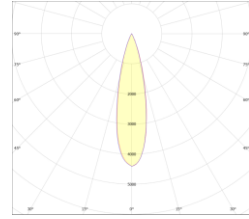
Optical Beam Angles



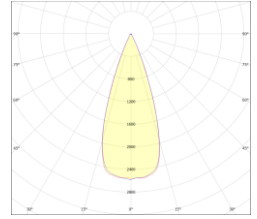
8°



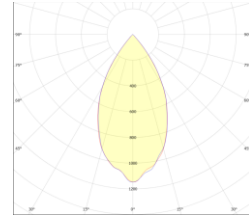
17°



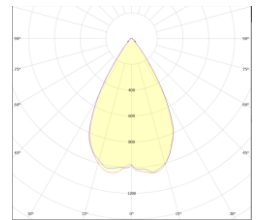
25°



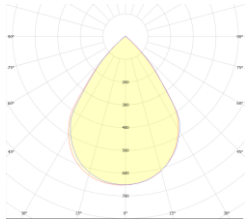
40°



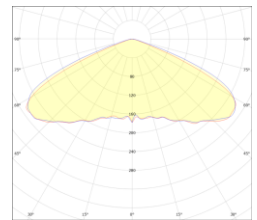
45°



60°



90°



110°

General Information

The Infrared LED Floodlight is an LED-based lighting device designed to enhance imaging systems. The infrared light is energy-efficient and has a wavelength optimized for night vision.

The luminaire body is designed to withstand harsh conditions. The product is equipped with IP66 and IK08 protection, and its 8° light angle is ideal for speed detection, license plate reading, and other road detection systems. It is available in 8°, 17°, 25°, 40°, 45°, 60°, 90°, and 110° for a range of applications. It is suitable for ANPR and ALPR, with light output ranging from 20mt to 200mt.

BETELGEUSE Infrared LED Projector

70W ~ 125W

Technical Specifications

Body	: Aluminum Injection
Color Options	: Black RAL 9005, Grey RAL 7016
IP Protection Class	: IP 66
Front Cover	: Tempered glass
Light source	: LED
Lens	: PMMA
Test Standards	: TS EN 60598-1, TS EN 60598-2-5, TS EN 62031, TS EN 62262, TS IEC TR62471, TS EN 62722-2-1

Optical and Electrical Properties

Power	70W ~ 125W	Total Harmonic Distortion	<%20
Wavelength	850 nm	Power Factor	>0,95
Infrared Emission	13W ~ 27W	Warranty Period	3 Years
Light Angle	8°, 17°, 25°, 40°, 45°, °60°, 90°, 110°	Weight	7,9 kg
Input Voltage	200-240 V AC 50/60 Hz	Dimensions	330x330x72 mm
Throttling Options:	1-10V, TRIAC, DALI		

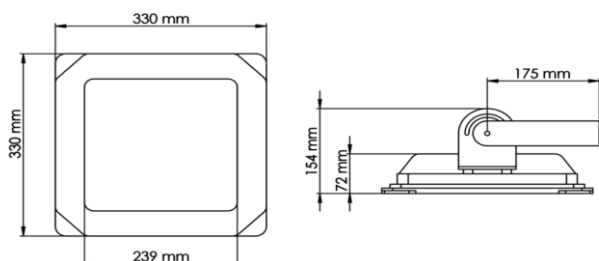
Other Features

Operating Temperature	-25°/+55°C	CE Marking	Yes
Impact Resistance Class	IK 08	RoHS Compliance:	Yes
Lifetime	≥30,000 Hours		

Properties

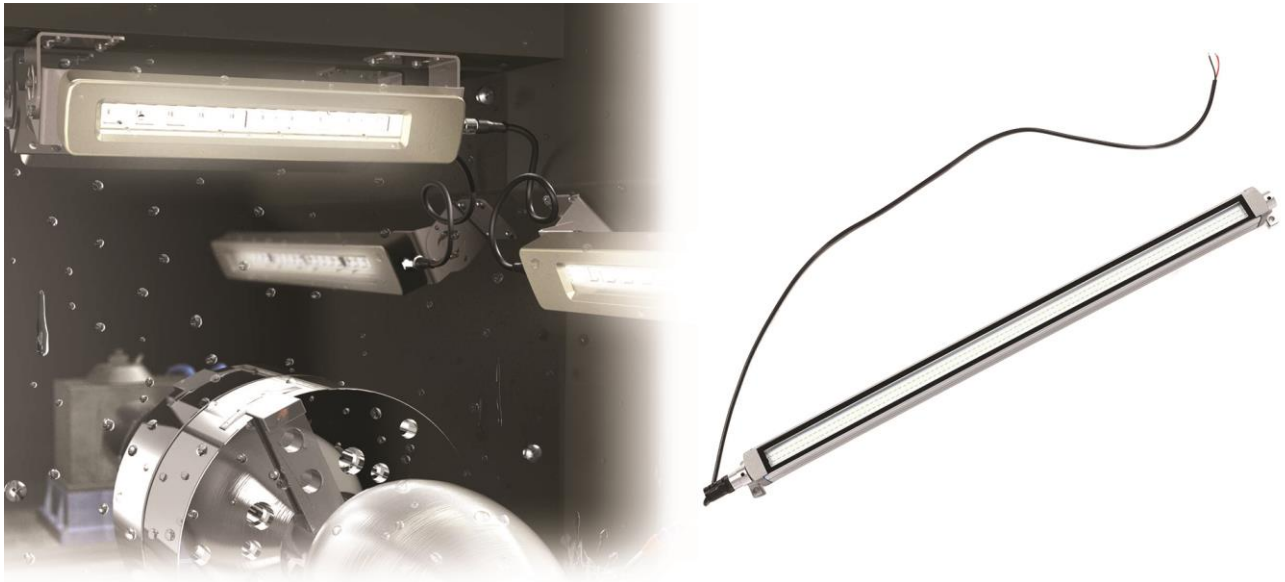
- Ideal for Traffic Application.
- Extra long life with very low maintenance.
- IP66 Enclosure for Outdoor Mounting.
- Compact with integrated LED Light Source.
- The pulse range can be adjusted from 1.6K~30KHz.
- Standalone or External trigger
- Synchronized support with camcorder (NTSC&PAL)
- Super long range up to 200m.

Technical Drawing (Side View) and Wiring Diagram



Product Variations

Product Code	Power	Input Voltage	Infrared Emission	Wavelength	Dimensions	Weight
BTL-070SM-00082-850-7016	70 W	200-240 V AC 50/60 Hz	13 W	850 nm	330x330x72 mm	7,5 kg
BTL-100SM-00082-850-7016	100 W	200-240 V AC 50/60 Hz	20 W	850 nm	330x330x72 mm	7,5 kg
BTL-125SM-00082-850-7016	125 W	200-240 V AC 50/60 Hz	27 W	850 nm	330x330x72 mm	7,9 kg



The aforementioned machinery, including injection molding machines, CNC machines, milling/turning machines, large presses, and so forth, utilized for mass production in your facilities are equipped with fluorescent light source lighting.

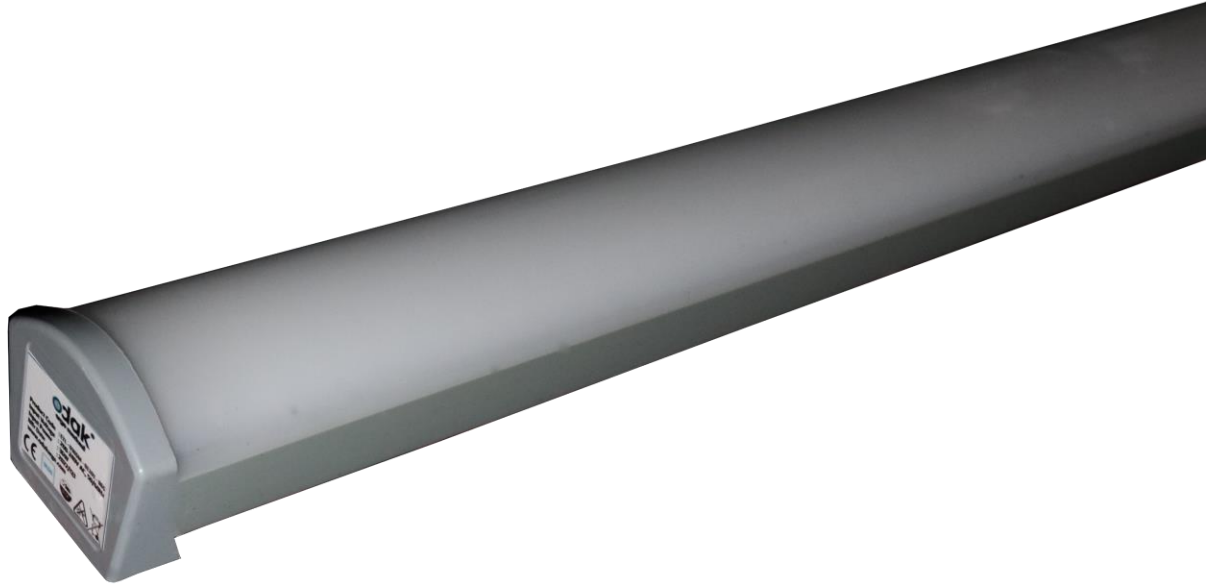
As of September 2023, T5 and T8 fluorescent and compact fluorescent tubes (CFL) are being phased out in accordance with the European Commission's eco-design and RoHS directives. Therefore, it is imperative that you replace the interior lighting of your machines with LED light source luminaires. Otherwise, you will soon be unable to source fluorescents and will have to work without lighting.

It is worth noting that replacing traditional light sources (such as metal halide, fluorescent, or sodium vapor) with LED light source luminaires can offer significant benefits. Unlike traditional light sources, which require changing every five years and require maintenance, LED light source luminaires do not require changing the light source for five years and do not require maintenance. The expenditure/investment required to replace the lamp in traditional light source luminaires (metal halide, fluorescent, sodium vapor) every two years is offset by the cost of the luminaire and the energy savings it provides in less than two years. In other words, the investment pays for itself with the energy savings it provides.

In today's business environment, where energy costs are a significant concern, the efficient use of energy and reduction of energy costs are key priorities. This has led to a growing adoption of LED light source luminaires in factories and industrial facilities. LED light source machine lighting fixtures offer a compelling solution for businesses, combining energy efficiency, full compliance with automation and industry 4.0 standards, long life, and environmentally friendly features.

We design and manufacture in-machine lighting fixtures according to your specifications and requirements. Additionally, we offer solutions that replace the most commonly used and demanded fluorescent and metal halide sources.

Machine Lighting Fixture 18W ~ 65W



General Application Areas



Closed
Parking lots



Industrial
Kitchen



Automobile
Washers

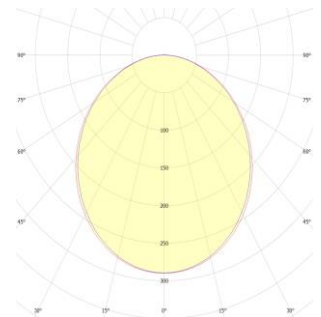


Indoor
Sports Halls



Schools

Optical Beam Angles



110°

General Information

Ethane Luminaires are designed to protect lighting fixtures from water and moisture in a variety of indoor and outdoor settings. Ideal for use in industrial kitchens, bathrooms, car-carpet washing workshops, baths, laundries, and outdoor areas such as parking lots and gardens, Ethane Luminaires are also suitable as a direct alternative to traditional fluorescent luminaires, offering significant energy savings. Their durable, slim, and stylish design makes installation quick and easy.

Machine Lighting Fixture

18W ~ 65W

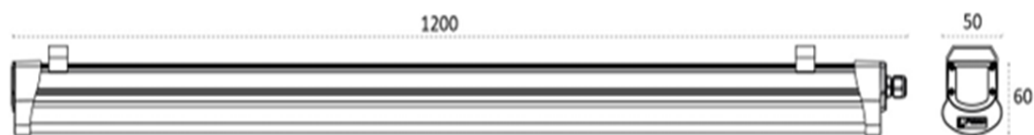
Technical Specifications

Power	:18W ~ 65W ± %3
Input Voltage	:200-240 V AC 50/60 HZ
Power Factor	:>0,95
Effectiveness Factor	:120 lm/W
Luminous Flux	:2160 lm ~ 7800 lm
Light Angle	:110°
Color Temperature (CCT)	:6500K
Color Rendering Index (CRI)	:80+
IP Protection Class	:IP 65
Dimensions	:50x60x600 mm
Weight	:0,4 kg
Warranty Period	:3 Year

Optical and Electrical Properties

Body	Polycarbon Extrusion	CE Marking	Yes
Color Options	Grey RAL 7016	RoHS Compliance	Yes
Light source	LED	Lifetime	≥60,000 Hours
Impact Resistance	IK 08	Throttling Options	1-10V, TRIAC, DALI
Total Harmonic Distortion	<%20	Operating Temperature	-25°/+55°C

Technical Drawing and Wiring Diagram



Product Variations

Product Code	Power	Input Voltage	Luminous Flux	Light Angle	Dimensions	Weight
HYD-018SM-01101-865	18W	200-240 V AC 50/60 Hz	2160 lm	110°	60X120X1500 mm	0,4 kg
HYD-036SM-01101-865	36W	200-240 V AC 50/60 Hz	4320 lm	110°	50X60X1200 mm	0,65 kg
HYD-065SM-01101-865	65W	200-240 V AC 50/60 Hz	7800 lm	110°	50X60X1500 mm	0,85 kg

Bellatrix Linear Lighting Fixture 33W ~ 59W

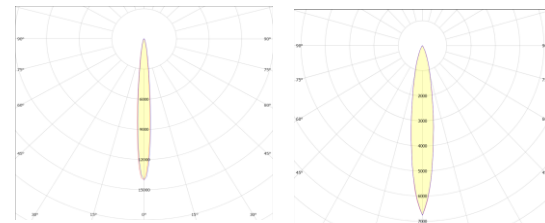
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General Application Areas

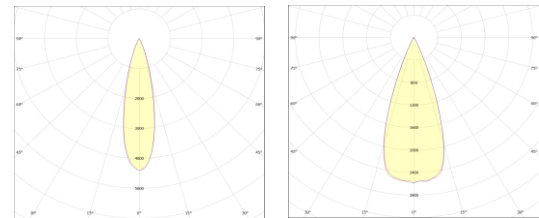


Optical Beam Angles



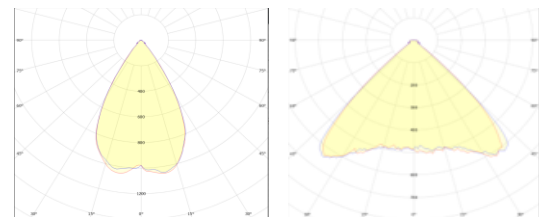
8°

17°



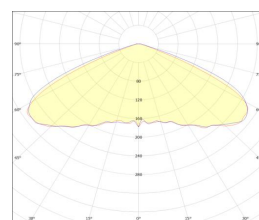
25°

45°



60°

90°



110°

General Information

The Bellatrix industrial lighting fixture, named after the Bellatrix star, which has been used as a brightness standard for many years, is designed to replace traditional products with fluorescent light sources in order to provide uninterrupted service in harsh industrial conditions with high temperature, humidity, water and temperature differences.

This product is suitable for use in a variety of indoor environments, including industrial facilities, industrial kitchens, car-carpet washing workshops, baths, laundries, and outdoor areas such as parking lots and gardens.

The Bellatrix luminaire's aluminum extrusion body allows it to withstand high temperatures, making it an ideal choice for demanding environments. Its slim, durable, and stylish design is quick and easy to install, offering a seamless integration into any setting. As a direct alternative to traditional fluorescent luminaires, it provides an average of 50% energy savings with its longer life and durable structure, making it an excellent choice for both cost and sustainability.

Bellatrix Linear Lighting Fixture 33W ~ 59W

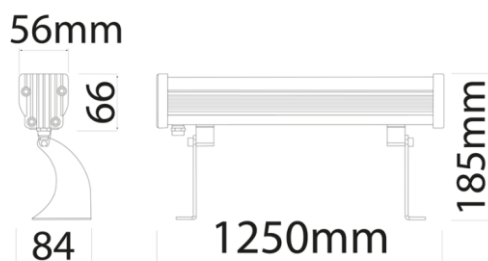
Technical Specifications

Body	:Aluminum Extrusion
IP Protection Class	:IP66
Luminous Flux	:4356 lm 7375 lm
Light source	:LED
Test Standards	:TS EN 60598TS, EN 60529, TS EN 62031TS, EN 62262, TS IEC TR 62471TS, EN 62722-2-1

Optical and Electrical Properties

Power	33W ~ 59W	Light Angle	8°/17°/25°/45°/60°/90°/110°
CE Marking	Yes	Power Factor	>0,9
Optics	PMMA / PC	Max Tensile Strength	2kV
Effectiveness Factor	>125 lm/W	Color Temperature	3000K/4000K/5000K/6500K
Input Voltage	200-240 V AC 50/60 HZ	CRI	>80
Total Harmonic Distortion	<%15	Input Voltage	200-240 V AC 50/60 HZ
Dimensions	1250x56x66 mm	Weight	2460 gr

Technical Drawing (Side View) and Wiring Diagram



Product Variations

Product Code	Power	Input Voltage	CCT	Efficiency Factor(lm/W)	Luminous Flux	Light Angle	Dimensions	Weight (g)	Mounting Type
BLX-033CT-01101-865-9006	33W	200-240 V AC 50/60 Hz	6500K	132	4356lm	110°	1250X56X66mm	2460	Surface Mounted / Cable Tray
BLX-042CT-01101-865-9006	42W	200-240 V AC 50/60 Hz	6500K	132	5544lm	110°	1250X56X66mm	2460	Surface Mounted / Cable Tray
BLX-050CT-01101-865-9006	50W	200-240 V AC 50/60 Hz	6500K	125	6250lm	110°	1250X56X66mm	2460	Surface Mounted / Cable Tray
BLX-059CT-01101-865-9006	59W	200-240 V AC 50/60 Hz	6500K	125	7375lm	110°	1250X56X66mm	2460	Surface Mounted / Cable Tray
BLX-033WL-01101-865-9006	33W	200-240 V AC 50/60 Hz	6500K	132	4356lm	65°	1250X56X66mm	2460	Wall (Angled)
BLX-042WL-01101-865-9006	42W	200-240 V AC 50/60 Hz	6500K	132	5544lm	65°	1250X56X66mm	2460	Wall (Angled)
BLX-050WL-01101-865-9006	50W	200-240 V AC 50/60 Hz	6500K	125	6250lm	65°	1250X56X66mm	2460	Wall (Angled)
BLX-059WL-01101-865-9006	59W	200-240 V AC 50/60 Hz	6500K	125	7375lm	65°	1250X56X66mm	2460	Wall (Angled)
BLX-033CT-01101-865-00CE	33W	200-240 V AC 50/60 Hz	6500K	132	4356lm	110°	1250X56X66mm	2460	Surface Mounted / Cable Tray
BLX-042CT-01101-865-00CE	42W	200-240 V AC 50/60 Hz	6500K	132	5544lm	110°	1250X56X66mm	2460	Surface Mounted / Cable Tray
BLX-050CT-01101-865-00CE	50W	200-240 V AC 50/60 Hz	6500K	125	6250lm	110°	1250X56X66mm	2460	Surface Mounted / Cable Tray
BLX-059CT-01101-865-00CE	59W	200-240 V AC 50/60 Hz	6500K	125	7375lm	110°	1250X56X66mm	2460	Surface Mounted / Cable Tray
BLX-033WL-01101-865-00CE	33W	200-240 V AC 50/60 Hz	6500K	132	4356lm	65°	1250X56X66mm	2460	Wall (Angled)
BLX-042WL-01101-865-00CE	42W	200-240 V AC 50/60 Hz	6500K	132	5544lm	65°	1250X56X66mm	2460	Wall (Angled)
BLX-050WL-01101-865-00CE	50W	200-240 V AC 50/60 Hz	6500K	125	6250lm	65°	1250X56X66mm	2460	Wall (Angled)
BLX-059WL-01101-865-00CE	59W	200-240 V AC 50/60 Hz	6500K	125	7375lm	65°	1250X56X66mm	2460	Wall (Angled)



In today's logistics and transportation industries, efficiency and safety are critical to the success of operations. Ensuring proper lighting, especially during truck loading and unloading operations, contributes greatly to accelerating business processes and increasing occupational safety. In this context, LED technology is an optimal choice due to its energy efficiency, longevity, and superior lighting capacity. LED light source floodlights used in truck loading areas effectively illuminate both indoors and outdoors, allowing employees to perform their work more safely and efficiently.

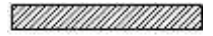
Our range of LED lighting solutions, including ramp lights, floodlights, portable LED floodlights, and under-truck lights, offers flexibility to suit a variety of needs. Adjustable brightness levels and beam angles provide solutions to suit specific lighting requirements. The durability and energy efficiency of our LED light source luminaires reduce operating costs, while their long life minimizes maintenance costs. These features make truck loading and unloading faster, safer, and more efficient, thus increasing the overall efficiency of logistics processes.

The advantages of LED light source luminaires and loading arms are clear, and they are becoming the preferred choice for lighting truck loading bays. These innovative lighting solutions meet today's needs and contribute to creating sustainable and safe working environments for the future.

LOADING LIGHT 30W~300W



Illuminated
Field Offset



3 - 7 m

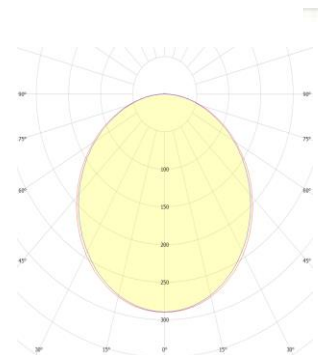


Application Areas



Truck and Truck Loadings Warehouse & Industrial Facilities

Optical Beam Angle



110°

General Information

The Loading Light is a luminaire designed for use in warehouses, industrial facilities, and truck and truck loading. It is to be mounted on poles with a height of 3 - 7 m. The luminaires feature an energy-efficient LED module and a compact case structure and movable arm structure.

Our products are classified according to LED power, as well as different sizes and dimensions. We offer a range of light distribution and power options to suit the area to be illuminated. We can also provide design and production services to meet the specific requirements of your project.

LOADING LIGHT 30W~300W

Standard Product Features

Body	:Corrosion Day. High Pressure Aluminum Injection Molding
Refractor	:High transmittance min. 4mm tempered glass' UV resistant (optional)
IP Protection Class	:IP66 – IP67 (optional)
Usage	:Surface Mounted - Cable Tray - Busbar
Light source	:LED
Optics	:P MMA or PC
Test Standards	:TSEN 60598, TSEN 62031, TSIEC TR 62471, TSEN 60529, TSEN 62262, TSEN 62722-2-1

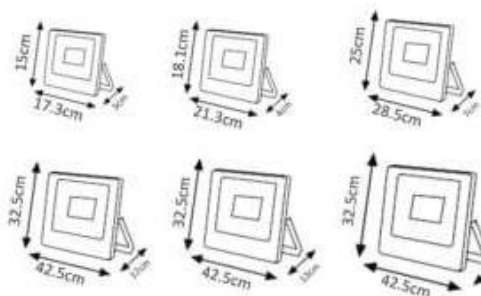
Optical and Electrical Properties

Power	30W ~ 300W	Input Frequency	50-60 Hz
Total Lumens	2400 lm ~ 24000 lm	Power Factor	>0,9
Optics	110°	Max Tensile Strength	6 kV - 10 kV (optional)
Effectiveness Factor	>80 lm/W	Color Temperature	3000K/4000K/6500K
Input Voltage	200-240 V AC 50/60 HZ	CRI	>80

Other Features

Operating Temperature	-25°C / +55°C	Automation Compatibility	DALI, 1-10V, TRIAC
Impact Resistance Class	IK 08 – IK 10 (optional)	Coordination Meeting	IP66, Plastic PG9
LED Lifespan – L70	60,000 hours		

Technical Drawing and Other Visuals



Product Variations

Product Code	Power	Input Voltage	Total Lumens	Light Angle	Dimensions
DOB-030SM-01101-865	30W	200-240 V AC 50/60 Hz	2400 lm	110°	150x173x03mm
DOB-050SM-01101-865	50W	200-240 V AC 50/60 Hz	4000 lm	110°	181x213x04mm
DOB-100SM-01101-865	100W	200-240 V AC 50/60 Hz	8000 lm	110°	250x285x07mm
DOB-150SM-01101-865	150W	200-240 V AC 50/60 Hz	12000 lm	110°	325x425x12mm
DOB-200SM-01101-865	200W	200-240 V AC 50/60 Hz	16000 lm	110°	325x425x13mm
DOB-300SM-01101-865	300W	200-240 V AC 50/60 Hz	24000 lm	110°	325x425x15mm

Check our website for other angle and power options.
For special color / wavelength options, you can call our company.



There is a growing preference for LED light source plant growth luminaires in modern agricultural applications. These luminaires are designed to optimize photosynthesis and stimulate plant growth.

They offer several advantages, including low energy consumption, a long lifetime, and high efficiency. Compared to conventional lighting systems, LED luminaires consume significantly less energy and have a long lifespan, reducing maintenance costs. Furthermore, the spectrum of LEDs is easy to control, allowing for the provision of different wavelengths of light at different growth stages.

LED luminaires generate less heat, which makes temperature control easier in greenhouses or indoor growing environments. Furthermore, the narrow-focus light distribution of LEDs allows for precise light direction, reducing energy waste..

Our LED light source plant growing luminaires are suitable for a variety of applications, including greenhouse cultivation, indoor plant cultivation, and vertical farming systems. They offer a reliable and effective solution to support healthy plant growth and productive crops. At Odak Arge, we design and manufacture import substitution system designs and industrial greenhouse luminaires of different powers for different plant and vegetable species. We also provide our customers with different automation solutions, including fully autonomous closed systems, which are supported by our artificial intelligence.

OCTAMOL GREENHOUSE LIGHTING FIXTURES

odak® R&D
CENTER
smart city technologies



Areas of Use



Greenhouses



Seed Cultivation



Plant Growing Cabinets



Coral Cultivation



Stadium Turf
Retrofit



Hydroponic Agriculture
Applications

OCTAMOL is a modularly designed, innovative greenhouse luminaire offering an IP65 protection class and industrial durability. Its cutting-edge cooling solution ensures high yields, especially in the fall and winter seasons, making it the ideal choice for industrial greenhouse owners and growers.

Designed for use in both indoor and greenhouse settings, OKTAMOL is available in a range of modules and spectral options, making it the most versatile grow light on the market. One of the most significant expenses in greenhouse operations is the cost of energy. While OKTAMOL is highly energy efficient, you can be confident that it will provide optimal illumination for any growing plant, with up to $2.7 \mu\text{mol}/\text{J}$ of market-leading LEDs. Backed by industrial drives and automation capabilities, it is designed to maximize your harvest and production. A multipurpose light solution is available in three different spectral variants.



OCTAMOL GREENHOUSE LIGHTING FIXTURES

Standard Product Features

Body	:Corrosion Day. High Pressure Aluminum Injection Molding
Spectrum	:Full Spectrum
Light Output PPF	:2160 umol/s
Efficiency	:2.7 umol/J
IP Protection Class	:IP65
Mounting Height	:6" - 12" +< 40" (15.2-30.5cm + < 1m) Top of Canopy
Thermal Management	:Passive

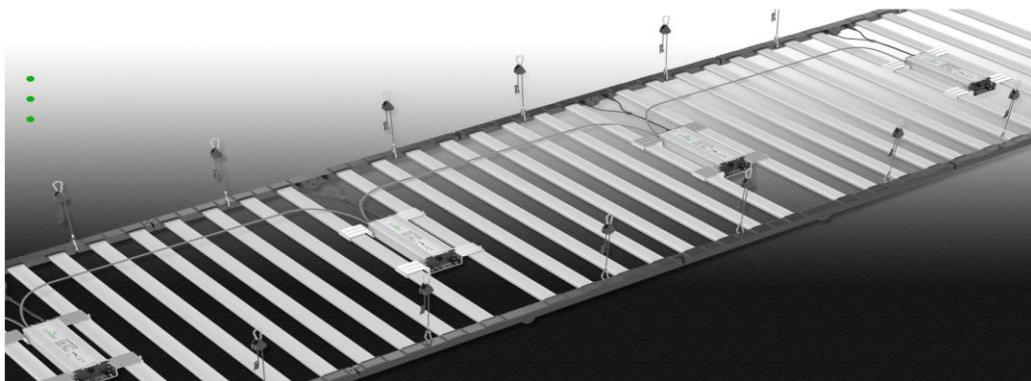
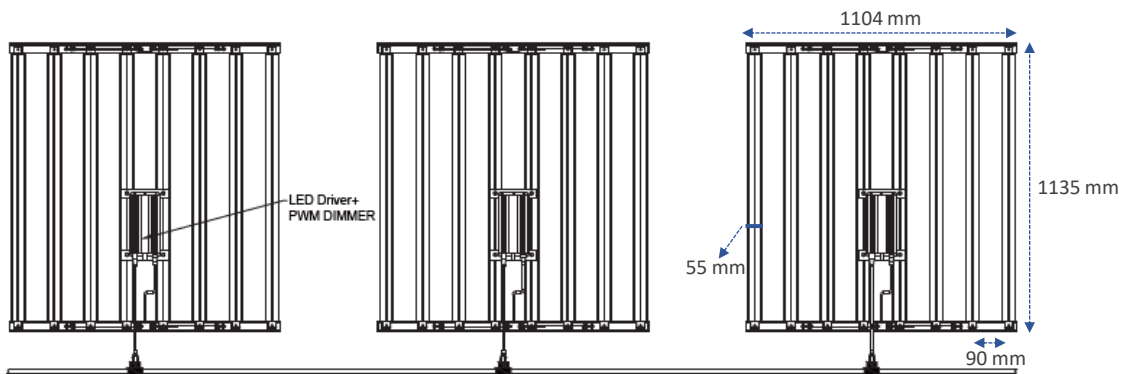
Optical and Electrical Properties

Power	800W	Input Frequency	50-60 Hz
LED	Samsung / Prolight	Power Factor	>0,9
Optics	120°	Max. Tensile Strength	6 kV - 10 kV (optional)
Input Voltage	100-277 V AC	Wavelength	Full Spectrum

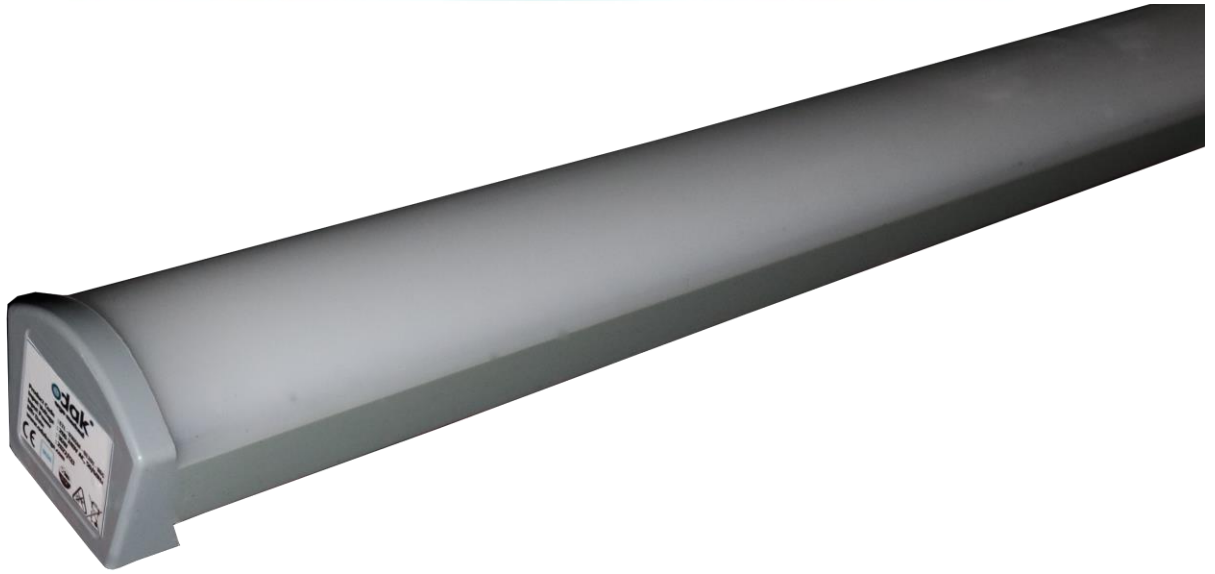
Other Features

Operating Temperature	-25°C / +55°C	Automation Compatibility	DALI, 1-10V, TRIAC
Impact Resistance Class	IK 08 – IK 10 (optional)	LED Lifespan –L70	50,000 hours

Technical Drawing and Other Visuals



Hydra-MOL Greenhouse Lighting Fixture



Application Areas



Greenhouses



Seed Cultivation



Plant Growing Cabinets



Coral Cultivation



Stadium Turf Reinforcement



Soilless Agriculture Practices

General Information

The Hydra-MOL is an industrial greenhouse luminaire designed to meet the needs of industrial greenhouse owners and growers. With an IP65 protection class and industrial durability, the Hydra-MOL ensures high yields, especially in the fall and winter seasons.



Hydra-MOL Greenhouse Lighting Fixture

Technical Specifications

Body	:Polycarbon Extrusion
Spectrum	:Full Spectrum
Light Output PPF	:>72
Efficiency (umol/joul)	:4.9 - 5.1
PAR (W)	:>15
IP Protection Class	:IP65
Thermal Management	:Passive
Dimensions	:50x60x1200 mm
Weight	:0,65 kg
Warranty Period	:2 Years

Optical and Electrical Properties

Consumption Power	78W	Input Frequency	50-60 Hz
LED	Lumiled	Power Factor	> 0,95
Optics	120°	Max. Tensile Strength	6 kV - 10 kV (optional)
Input Voltage	100-277 V AC	Wavelength	Purple/Purple 12.5% Blue (7 red+1 blue)

Other Features

Operating Temperature	-20° C / + 35° C	Automation Compatibility	DALI, 1-10V,
Impact Resistance Class	IK 08	LED Ömrü – L70	30,000 hours

Technical Drawing and Wiring Diagram





Emergency lighting is a secondary type of lighting that enables people to evacuate safely from the building by instantly activating independently of the generator system as a result of the normal lighting system being disabled due to an emergency situation. Such situations may include electrical failure, earthquake, fire, flood, or sabotage.

The primary objective of the emergency lighting system is to prevent loss of life by facilitating a safe evacuation. The system enables occupants to evacuate the building promptly and safely, ensuring that they can see the exit route without any obstacles, injuries, crushing, panic, overcrowding, or congestion. Moreover, emergency lighting systems assist in the prevention of accidents in high-risk areas by ensuring the recognition of fire alarms, extinguishing devices, and first aid equipment. In dangerous situations, emergency lighting systems provide a crucial lifeline, reducing panic, ensuring the necessary lighting, and directing people in the building to safe exit points. Emergency lighting is not a type of lighting required under normal conditions. However, it is essential that it functions as required in an emergency, as any failure to do so puts human life at risk.

There are numerous scenarios in which emergency lighting is a necessity. These include instances of mains power disruption, evacuation operations where reduced visibility necessitates additional light sources, and fire hazards. The selection of emergency lighting products is contingent upon the intended use. Intended uses include emergency exit lighting, exit path lighting, backup lighting, open area lighting (or anti-panic lighting), illumination of exit signs, special lighting for areas where high-risk tasks are performed, or a combination of all these technologies within the building.

As Odak Arge, we can provide emergency lighting and directional luminaires that comply with global standards for use in your buildings and facilities. Furthermore, we can prepare the minimum quantities and luminaire locations that should be used in your facilities using an engineering approach.



General Information

- Single or double face
- Aluminum anodized body
- Polycarbonate side cover and hanger rod
- Application of SMD LED
- Battery charge indicator with green LED
- Emergency test button
- High temperature resistant, industrial type Ni-Cd battery
- Battery overcharge and discharge protection
- Transparent plexiglass with screen printing
- Side-lit
- Possibility of ceiling, wall or suspended ceiling mounting
- Optional 110 VAC compatibility
- Optional metal hanger or hook options



Control Panel

State 

: Charging LED. Indicates the battery charge status.

Test 

: Test button. It enables emergency testing of the product without disconnecting the mains connection.

ALKAID EMERGENCY ROUTING LUMINAIRE

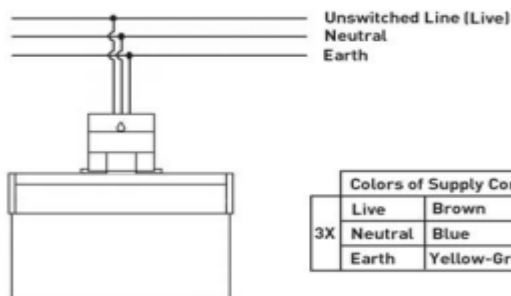
Technical Specifications

Operating Voltage	: 230 VAC 50/60 Hz
Power	: 3,25 W
Power Factor (PF)	: 0.94
Ambient Temperature (ta)	: 0 °C ... +40 °C
Emergency Burning Time	: 3 hours
Battery Charging Time	: 24 hours
Battery Type	: 3,6 V Ni-Cd
Sign Height	: 114 x 223 mm
Visible Distance	: 19 m
Protection Class	: IP 20
Insulation Class	: I
Surface Mounted Box Size (mm)	: 38 x 245 x 187
Recessed Box Size (mm)	: 102 x 312 x 187

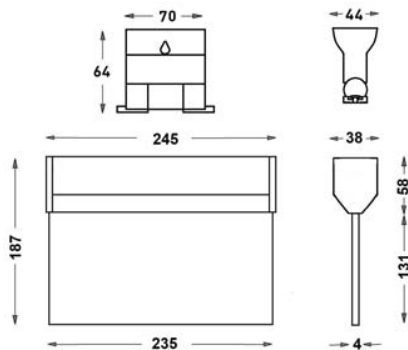
Recessed Mounting Size



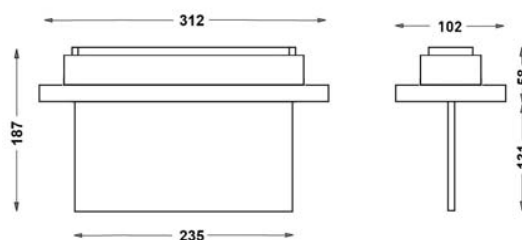
Mains Connection



Technical Drawing / Surface Mounted



Technical Drawing / Recessed



Product List

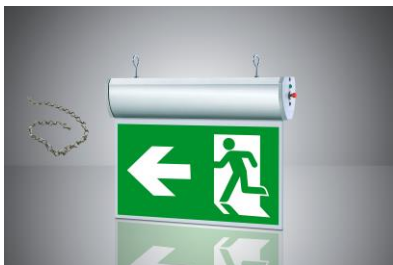
Product Code	Emergency Burning Time	Power drawn from the grid	Power Factor(PF)	Mode of Operation	Light source	Orientation Pattern	Mounting Type	Weight (kg)	Size (mm)
ALD-003SM-01201-865-00CE	3 hours	3,25	0,94	Continuous	4 x SMD LED	Double Faced	Surface Mounted - Plastic Rod	0,525	38 x 245 x 187
ALD-003SMAH-01201-865-00CE	3 hours	3,25	0,94	Continuous	4 x SMD LED	Double Faced	Surface Mounted - Steel Hanger Teji	0,745	38 x 245 x 187
ALD-003HM-01201-865-00CE	3 hours	3,25	0,94	Continuous	4 x SMD LED	Double Faced	Surface Mounted - Metal Rod	0,605	38 x 245 x 187
ALD-003RM-01201-865-00CE	3 hours	3,25	0,94	Continuous	4 x SMD LED	Double Faced	Recessed	0,910	102 x 312 x 187

ALCOR EMERGENCY ROUTING LUMINAIRE





General Information

- Single or double face
- Aluminum anodized body
- Polycarbonate side cover and hanger rod
- Application of SMD LED
- Battery charge indicator with green LED
- Emergency test button
- High temperature resistant, industrial type Ni-Cd battery
- Battery overcharge and discharge protection
- Transparent plexiglass with screen printing
- Side-lit
- Possibility of ceiling, wall or suspended ceiling mounting
- Optional 110 VAC compatibility
- Optional metal hanger or hook options



Control Panel

State		: Charging LED. Indicates the battery charge status.
Test		: Test button. It enables emergency testing of the product without disconnecting the mains connection.

ALCOR EMERGENCY ROUTING LUMINAIRE

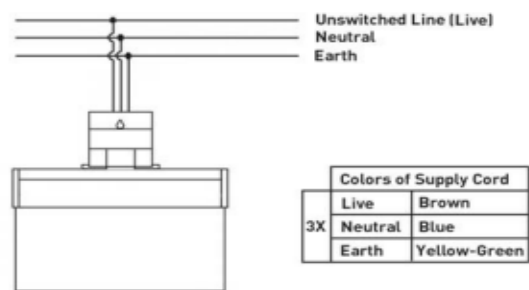
Technical Specifications

Operating Voltage	: 230 VAC 50/60 Hz
Power	: 4,87 W
Power Factor	: 0.61
Ambient Temperature (ta)	: 0 °C ... +40 °C
Emergency Burning Time	: 3 hours
Battery Charging Time	: 24 hours
Battery Type	: 3,6 V Ni-Cd
Sign Height	: 122 x 253 mm
Visible Distance	: 20 m
Protection Class	: IP 20
Insulation Class	: I
Surface Mounted Box Size (mm)	: 40 x 274 x 195
Recessed Box Size (mm)	: 102 x 342 x 195

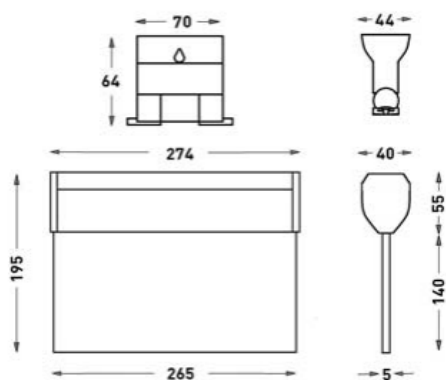
Recessed Mounting Size



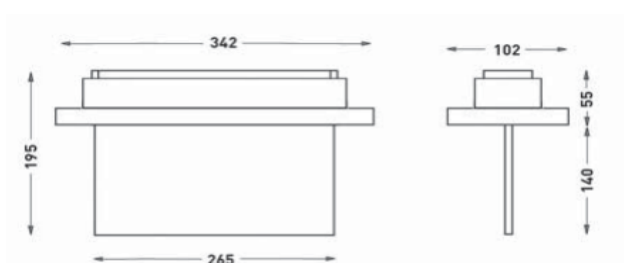
Mains Connection



Technical Drawing / Surface Mounted



Technical Drawing / Recessed



Product List

Product Code	Emergency Burning Time	Power drawn from the grid	Power Factor (PF)	Mode of Operation	Light source	Orientation Pattern	Mounting Type	Weight (kg)	Size (mm)
ALC-005SM-01201-865-00CE	3 hours	4,87	0,61	Continuou s	8 x SMD LED	Double Faced	Surface Mounted	0,665	40 x 274 x 195
ALC-005SMAH-01201-865-00CE	3 hours	4,87	0,61	3 hours	8 x SMD LED	Double Faced	Surface Mounted - Adjustable Suspension Wire (50cm)	0,885	40 x 274 x 195
ALC-005HM-01201-865-00CE	3 hours	4,87	0,61	3 hours	8 x SMD LED	Double Faced	Surface Mounted - Chain (100cm)	0,745	40 x 274 x 195
ALC-005RM-01201-865-00CE	3 hours	4,87	0,61	3 hours	8 x SMD LED	Double Faced	Recessed	1,220	102 x 342 x 195



General Information

- Selectable intermittent or continuously lit model,
- Battery charge indicator with green LED,
- Emergency test button,
- When printing on the product with red LED, the emergency test of the product can be performed without disconnecting the mains connection,
- Emergency test of the product can be performed by disconnecting the mains connection with the optional on/off switch,
- High temperature type Ni-Cd or Ni-Mh battery,
- Selectable 1 hour or 3 hours working time,
- Class 2 (Class II) grounding structure,
- Indoor and outdoor use in the waterproof luminaire class,
- Polycarbonate body and glass,
- High energy saving,
- Long LED life (50,000 hours),
- Switching with the interruption of the non-switched phase,
- Emergency at low mains voltage,
- 3 hours working time in case of emergency,
- High temperature resistant, industrial type Ni-Cd battery,
- Battery overcharge and discharge protection,
- Possibility of mounting on a wall, ceiling or suspended ceiling,

MOON EMERGENCY ROUTING LUMINAIRE

Technical Specifications

Power	:4,51 W
Input Voltage	:200-240 V AC 50/60 HZ
Power Factor	:>0.58
Battery Charging Time	: 24 hours
Battery Type	:3,6 V Ni-Cd
Luminous Flux	: 115 lm
Light Angle	:120°
Light source	: 20 x SMD LED
Visible Distance	: 18 m
Color Temperature (CCT)	:6500K
Color Rendering Index (CRI)	:80+
IP Protection Class	:IP 65
Dimensions	:110 x 340 x 62
Weight	:0,630 kg
Test Standards	:EN 60598-1, EN 60529, LM 79-18, EN 60598-2-22
Warranty Period	:2 Year

Optical and Electrical Properties

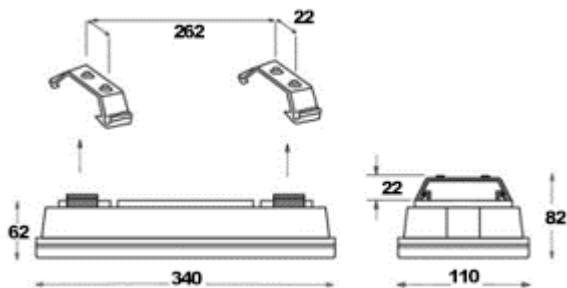
Body / Diffuser	Polycarbonate	CE Marking	Yes
Color Options	White	RoHS Compliance	Yes
Light source	LED	Lifetime	≥60,000 Hours
Impact Resistance	IK 08	Operating Temperature	-5 °C ... +40 °C
Total Harmonic Distortion	<%20		

Product List

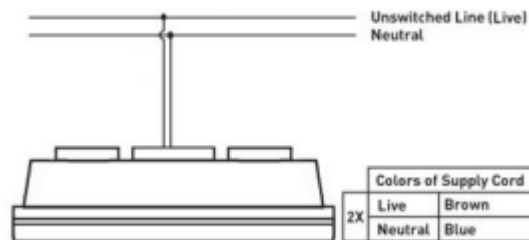
Product Code	Emergency Burning Time	Power drawn from the grid	Power Factor(PF)	Work Mode	Luminous Intensity In Energy/Emergency	Orientation Pattern	Weight (kg)	Size (mm)
MON-005SM-01201-865-OOCE	3 hours	4.51	0,58	Continuous	115 lm * 105 lm / 74 lm**	Recessed / Surface Mounted	0,630	:110 x 340 x 62

- * Continuous: Illuminates when energy is present and when it is cut off.
- * Electrical values were measured under 230V mains voltage.

Technical Drawing / Surface Mounted



Mains Connection





General Information

- Selectable intermittent or continuously lit model,
- Battery charge indicator with green LED,
- Emergency test button,
- When printing on the product with red LED, the emergency test of the product can be performed without disconnecting the mains connection,
- Emergency test of the product can be performed by disconnecting the mains connection with the optional on/off switch,
- High temperature type Ni-Cd or Ni-Mh battery,
- Selectable 1 hour or 3 hours working time,
- Class 2 (Class II) grounding structure,
- Indoor and outdoor use in the waterproof luminaire class,
- Polycarbonate body and glass,
- High energy saving,
- Long LED life (50,000 hours),
- Switching with the interruption of the non-switched phase,
- Emergency at low mains voltage,
- 3 hours working time in case of emergency,
- High temperature resistant, industrial type Ni-Cd battery,
- Battery overcharge and discharge protection,
- Possibility of mounting on a wall, ceiling or suspended ceiling,

Technical Specifications

Power	:3 W
Input Voltage	:200-240 V AC 50/60 HZ
Power Factor	:>0.50
Battery Charging Time	: 24 hours
Battery Type	:3,6V Ni-Cd / 7,2V Ni-Cd / 7,2V Ni-Mh
Luminous Flux	:375lm
Light Angle	:120°
Light source	: 20 x SMD LED
Color Temperature (CCT)	:6500K
Color Rendering Index (CRI)	:80+
IP Protection Class	:IP 65
Dimensions	:110 x 340 x 62
Weight	:0,650 kg
Test Standards	:EN 60598-1, EN 60529, LM 79-18, EN 60598-2-22
Warranty Period	:2 Year

Optical and Electrical Properties

Body / Diffuser	Polycarbonate	CE Marking	Yes
Color Options	White	RoHS Compliance	Yes
Light source	LED	Lifetime	≥60,000 Hours
Impact Resistance	IK 08	Operating Temperature	-5 °C ... +40 °C
Total Harmonic Distortion	<%20		

Product List

Product Code	Emergency Burning Time	Battery Blizzard	Power drawn from the grid	Power Factor(PF)	Work Mode	Luminous Intensity In Energy/Emergency	Orientation Pattern	Weight (kg)	Size (mm)
MON-001SM-01201-865-01E3	3 hours	3.6V 900 mAh Ni-Cd	4	0,58	Continuous	115 lm * 105 lm / 74 lm**	Recessed / Surface Mounted	0,650	110 x 340 x 62
MON-001SM-01201-865-02E3	3 hours	3.6V 900 mAh Ni-Cd	1.21	0,31	In the Emergency Room	115 lm / 90 lm**	Recessed / Surface Mounted	0,650	110 x 340 x 62
MON-002SM-01201-865-02E3	3 hours	3.6V 1800 mAh Ni-Cd	1.73	0,39	In the Emergency Room	250 lm / 195 lm**	Recessed / Surface Mounted	0,710	110 x 340 x 62
MON-003SM-01201-865-02E3	3 hours	3.6V 3000 mAh Ni-Cd	2.38	0,43	In the Emergency Room	375lm / 293 lm**	Recessed / Surface Mounted	0,800	110 x 340 x 62
MON-004SM-01201-865-02E3	3 hours	3.6V 4000 mAh Ni-Cd	3.24	0,49	In the Emergency Room	500 lm / 390 lm**	Recessed / Surface Mounted	0,870	110 x 340 x 62
MON-006SM-01201-865-02E3	3 hours	7.2V 3000 mAh Ni-Cd	3.36	0,54	In the Emergency Room	750 lm/585 lm**	Recessed / Surface Mounted	1,015	110 x 340 x 62
MON-008SM-01201-865-02E3	3 hours	7.2V 4000 mAh Ni-Mh	3.45	0,55	In the Emergency Room	1000lm / 780 lm**	Recessed / Surface Mounted	1,015	110 x 340 x 62

- *Continuous: Illuminates when there is energy and when it is cut off.
- **In emergency: Illuminates only when power is cut.
- *** For lumen values, the larger value indicates the measurement at 60 seconds and the smaller value indicates the value at the end of 3 hours.

TRITON EMERGENCY LIGHTING FIXTURE

odak® R&D
CENTER
smart city technologies



General Information

- LED headlight with 180 degree directional adjustment
- Application of SMD Power LED
- Long LED life (30,000 hours)
- Switching on with interruption of the non-switched phase
- Emergency at low mains voltage
- 3 hours working time in case of emergency
- Battery charge indicator with green LED
- Emergency test button
- Maintenance-free Lead Acid Battery
- Battery overcharge and discharge protection
- Constant-voltage, current-protected charging circuit
- Possibility of wall mounting
- ABS housing (IP65), Powder coated sheet metal housing (IP20)
- Optional 110 VAC compatibility
- Emergency headlight on-off switch (IP20)

TRITON EMERGENCY LIGHTING FIXTURE

Technical Specifications

Power	:9W
Input Voltage	:230 VAC 50/60 Hz
Power Factor	:>0,50
Battery Charging Time	:24 hours
Battery Type	:12V Lead Acid
Luminous Flux	:>1340 lm
Light Angle	:120°
Color Temperature (CCT)	:6500K
Color Rendering Index (CRI)	:80+
IP Protection Class	:IP 65
Box Dimensions	:128 x 238x 203
Weight	:4,50 kg
Test Standards	:EN 60598-1, EN 60529, LM 79-18, EN 60598-2-22

Optical and Electrical Properties

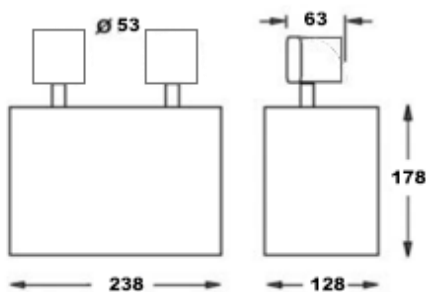
Body / Diffuser	ABS housing (IP65), Powder coated sheet metal housing (IP20)	CE Marking	Yes
Color Options	White	RoHS Compliance	Yes
Light source	2x9W LED	Lifetime	≥60,000 Hours
Impact Resistance	IK 08	Operating Temperature	+0-40 °C ... +40 °C
Total Harmonic Distortion	<%20		

Product List

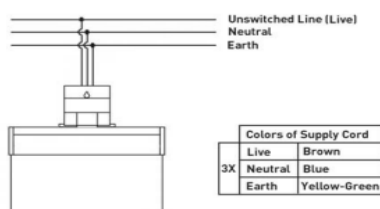
Product Code	Emergency Burning Time	Power drawn from the grid	Power Factor	Work Mode	Luminous Intensity In the Emergency Room	Orientation Shape	Weight (kg)	Box Size (mm)
TRT-009SM-01201-865-02E3	3 saat	< 9W (Maximum)	>0,50 (Maximum)	In the Emergency Room	->1340 lm	Surface Mounted	4,50	128 x 238x 203
TRT-009SM-01201-865-02E3	3 saat	< 9W (Maximum)	>0,50 (Maximum)	In the Emergency Room	->1340 lm	Surface Mounted	4	88x 238 x 198

- * In the Emergency: Illuminates only when the power is cut off.

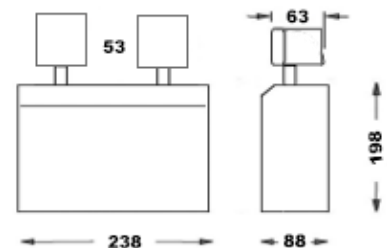
Technical Drawing / Surface Mounted IP65



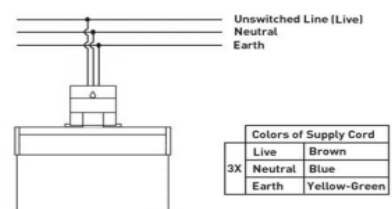
Connection Diagram IP65



Technical Drawing / Surface Mounted IP20



Connection Diagram IP20





As LED technology advances, high-pressure sodium vapor lamps, which are currently prevalent in street lighting, are being replaced by LED light source street luminaires. This transition aligns with the industry's shift towards environmentally conscious production and addresses the concern of heavy metal content in these older lighting solutions. In all other applications (M2...M6 Class), LED light source luminaires offer the most economical and long-lasting option, with the exception of roads used on intercity highways. Looking ahead, LED light source luminaires (M1 Class) will also be a preferred choice for highway lighting with lighting automation.

Today, LED light source street luminaires have a higher efficiency factor ($>120\text{lm/W}$) than sodium vapor lamps. As a result, they protect the environment while reducing operating costs. This is achieved through a combination of factors, including a long lifespan, low energy consumption, and automation. Their high efficiency allows them to produce more light using less energy. Furthermore, their durable construction and long lifetime reduce maintenance requirements and increase the reliability of the systems, making them the ideal solution to meet the needs of modern cities.

The Skystar luminaires are designed with different power options to meet the desired light level and homogeneity requirements for multiple road types and classes (M1...M6), thermal management guidelines, and efficiency levels in line with the best cost and global standards. They are manufactured in accordance with the Technical Specification for LED Light Source Road Lighting Luminaires prepared by TEDAŞ and are already used safely on the highways of our country and by many municipalities.

The Meissa series luminaires also meet global standards and requirements for light level and homogeneity for multiple road types and classes (M1...M6). Compared to the Skystar series, the Meissa series luminaires feature fewer options and are not designed for on-site maintenance and repair. The luminaires are designed for easy installation, with no need for tools to open the case. This makes them an ideal choice for projects where the technical requirements of Tedaş specifications must be met. If the Tedaş specification is not mandatory in your projects and you are seeking an economical solution, Meissa may be a suitable option.

SKYSTAR STREET LIGHTING FIXTURE

30W ~ 320W



General Application Areas



Urban Lighting



Ports and Open Car Parks

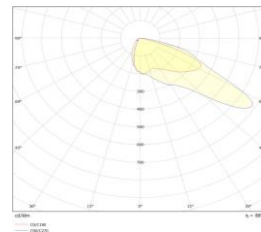
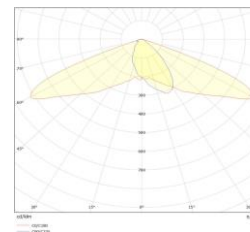
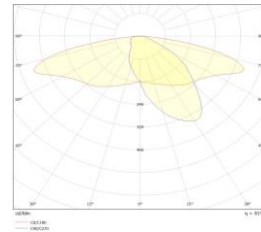
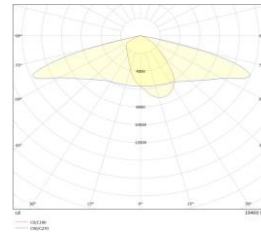


National Gardens



Perimeter and Safety Lighting

Optical Beam Angle



General Information

LED street lighting fixtures are lighting elements equipped with LED light sources used for illuminating roads and streets. These are also known as LED street luminaires or LED street lighting luminaires. LED street lighting fixtures can be used in urban lighting, intercity roads, environmental and security lighting, ports and open parking lots. It is essential that LED street lighting fixtures have a minimum protection class of IP66, as they are used in outdoor conditions. Street lighting must comply with the international standard EN 60598-2-3 and this compliance must be certifiable. Asymmetric lens options with different light distribution for different road types and classes (M1...M6) are also required.

Standard Product Features

Body	:Corrosion Day. High Pressure Aluminum Injection Molding
Refractor	:High transmittance min. 4mm tempered glass UV resistant (optional)
Light source	:LED
Optics	:P MMA or PC
IP Protection Class	:IP66
Mounting Height	:D irek Cantilever Mounting (Mounting Diameter $\Phi = 50 / 60$ mm)
Test Standards	:TS EN 60598-1, TS EN 60598-2-3, TS EN 62031,TS IEC TR 62471,TS EN 60529, TS EN 62262,TS EN 62722-2-1

SKYSTAR STREET LIGHTING FIXTURE

30W ~ 320W

Technical Specifications

Body	:Corrosion Day. High-pressure Aluminum Injection Molding
Refractor	:High transmittance min. 4mm tempered glass UV resistant (optional)
IP Protection Class	:IP66
Mounting Type	:D irek Cantilever Mounting (Mounting Diameter $\Phi = 50 / 60$ mm)
Light source	:LED
Optics	:P MMA or PC
Test Standards	TS EN 60598-1, TS EN 60598-2-3, TS EN 62031, TS IEC TR 62471, TS EN 60529, TS EN 62262, TS EN 62722-2-1

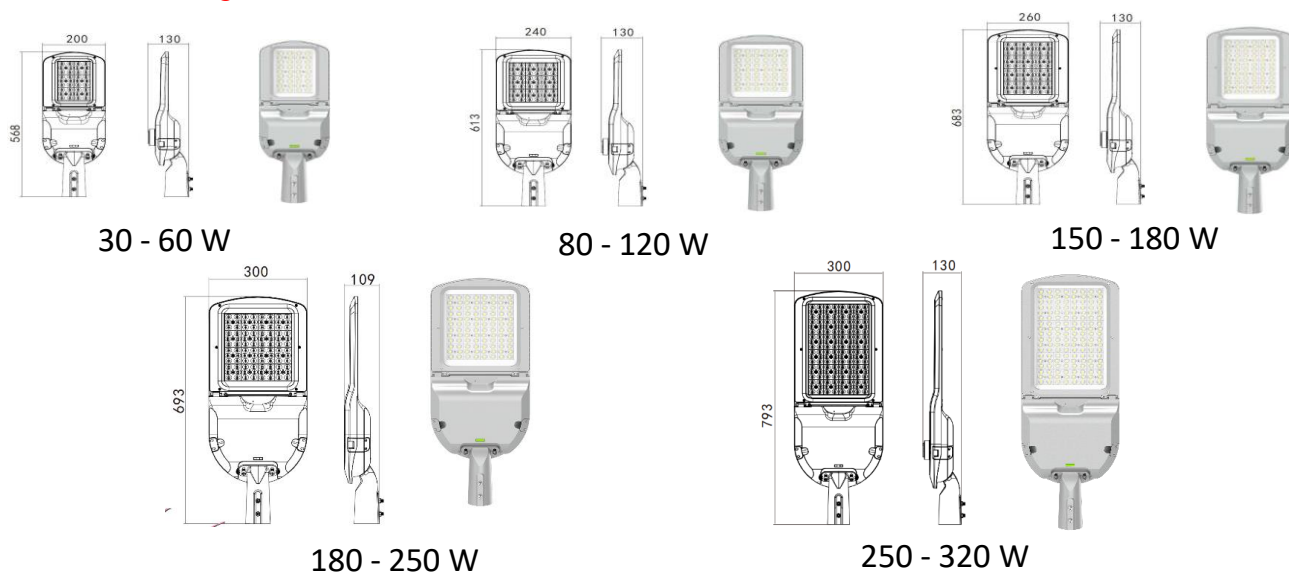
Optical and Electrical Properties

Consumption Power	30W ~ 320W	Power Factor	> 0,9
Total Lumens	3900 lm ~ 41600 lm	Max Tensile Strength	6 kV - 10kV (Optional)
Effectiveness Factor	130+ lm/W	Color Temperature (CCT)	2200K / 3000K / 4000K / 5000K /6500K
Input Voltage	220-240 V AC 50/60 HZ	CRI	>70

Other Features

Operating Temperature	-25°C / +55°C	Impact Resistance Class	IK 08 - IK 10 (optional)
LED Life - L70	60.000	Automation Compatibility	DALI, 1-10V, TRIAC
Coordination Meeting	IP66, Plastic PG9, IP67 (optional), IP68 (optional)	Nema Socket	3P – (On-Off) / 5P – (1-10V) / 7P – (1-10V + Dali)

Technical Drawings



Product Variations

Product Code	Power	Input Voltage	Luminous Flux	Dimensions	Light Angle	Weight
SKY-030DM-ASY12-850-7016	30 W	220-240 VAC 50-60 HZ	3900 lm	568*200*130 mm	Asymmetric	5,5 kg
SKY-050DM-ASY12-850-7016	50 W	220-240 VAC 50-60 HZ	6500 lm	568*200*130 mm	Asymmetric	5,5 kg
SKY-060DM-ASY12-850-7016	60 W	220-240 VAC 50-60 HZ	7800 lm	568*200*130 mm	Asymmetric	5,5 kg
SKY-080DM-ASY12-850-7016	80 W	220-240 VAC 50-60 HZ	10400 lm	613*240*130 mm	Asymmetric	6,5 kg
SKY-100DM-ASY12-850-7016	100 W	220-240 VAC 50-60 HZ	13000 lm	613*240*170 mm	Asymmetric	6,5 kg
SKY-120DM-ASY12-850-7016	120 W	220-240 VAC 50-60 HZ	15600 lm	613*240*130 mm	Asymmetric	6,5 kg
SKY-150DM-ASY12-850-7016	150 W	220-240 VAC 50-60 HZ	19500 lm	683*260*170 mm	Asymmetric	7,5 kg
SKY-180DM-ASY12-850-7016	180 W	220-240 VAC 50-60 HZ	23400 lm	683*260*130 mm	Asymmetric	7,5 kg
SKY-250DM-ASY12-850-7016	250 W	220-240 VAC 50-60 HZ	32500 lm	693*300*109 mm	Asymmetric	8 kg
SKY-320DM-ASY12-850-7016	320 W	220-240 VAC 50-60 HZ	41600 lm	793*260*130 mm	Asymmetric	8,5 kg

MEISSA STREET LIGHTING FIXTURE 20W ~ 150W



General Application Areas



City Lighting



Sea Ports and
Parking

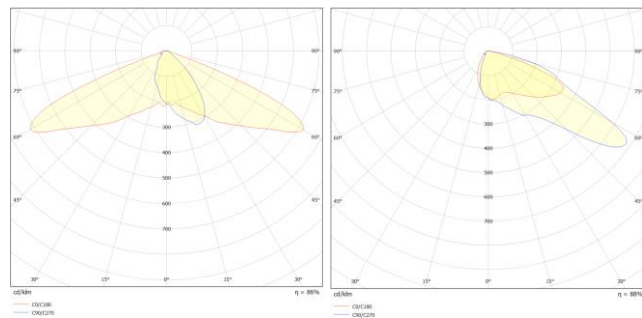
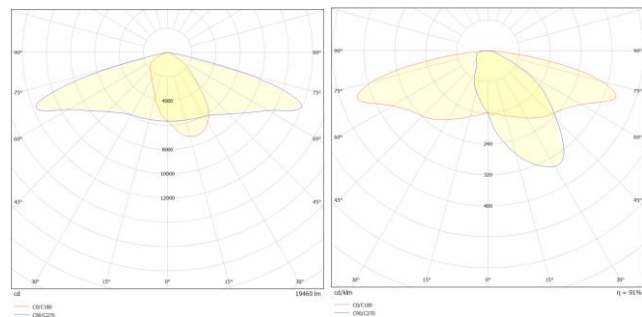


Parks



Environment and
Security Lighting

Optical Beam Angles



General Information

Lighting systems equipped with LED light sources used for lighting roads and streets are referred to as "road and street luminaires" or "LED street lighting luminaires." Road and street lighting fixtures are suitable for use in a variety of settings, including urban lighting, intercity roads, environmental and security lighting, ports, and open parking lots. Given that LED street lighting fixtures are used in outdoor conditions, they must meet the minimum protection class IP66 standard. Street lighting must comply with the international EN-60598-2-3 standard, and this compliance must be certified. Asymmetric lens options are available with different light distribution for different road types and classes (M2...M5).

MEISSA STREET LIGHTING FIXTURE 20W ~ 152W

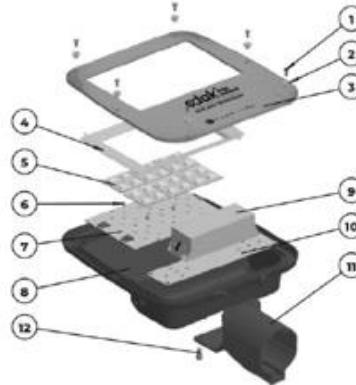
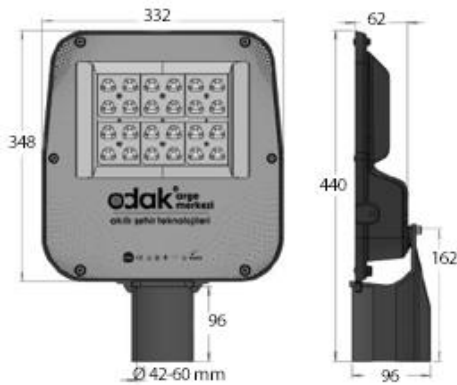
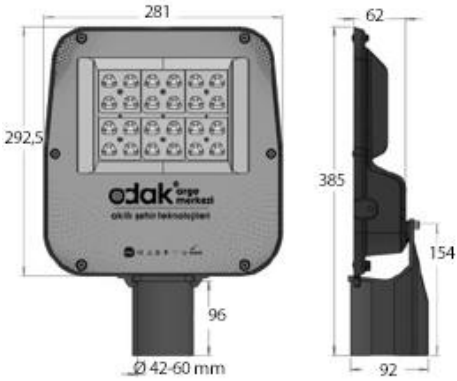
Technical Specifications

Body	:Aluminum Injection
IP Protection Class	:IP 66
Luminous Flux	:2880 lm ~ 19800 lm
Light source	:LED
Test Standards	:TS EN 60598-1, TS EN 60598-2-3, TS EN 62031,TS IEC TR 62471,TS EN 60529, TS EN 62262,TS EN 62722-2-1

Optical and Electrical Properties

Power	60W ~ 150W	Light Angle	Asymmetric
CE Marking	Yes	Power Factor	>0,9
Optics	PMMA / PC	Max Tensile Strength	1kV - 4kV (10kV Optional)
Effectiveness Factor	>126 ~ 138 lm/W	Color Temperature	2200K/3000K/4000K/5000 K/6500K
Input Voltage	50/60 HZ	CRI	>70
Total Harmonic Distortion	<%20	Operating Temperature	-25°C / +55°C
Dimensions	281*385*92 mm	LED Lifespan	60,000 Hours

Technical Drawing (Side View) and Wiring Diagram



NO	TANIM / DESCRIPTION
1	CAM VIDA / GLASS SCREW
2	VIDA PUL / SCREW WASHER
3	EKSTRA TEMİZ CAM / EKSTRA CLEAR GLASS
4	REFLEKTÖR / REFLECTOR
5	REFLEKTÖR VIDA / REFLECTOR SCREW
6	PCB VIDASI / PCB SCREW
7	OPTİK LENS / OPTIC LENS
8	LED MODUL / LED MODULE
9	ALU. ENJ. GÖVDE / ALU. INJ. BODY
10	LED SÜRÜCÜ / LED DRIVER
11	SÜRÜCÜ PLAKA / DRIVER PLATE
12	MONTAJ KONSOL / MOUNTED CONSOLE
13	KONSOL VIDA / CONSOLE SCREW

Product Variations

Product Code	Power	Input Voltage	Effectiveness Factor	Luminous Flux	CCT	Light Angle	Dimensions	Weight
MSA-020DM-ASY12-740-9005	20 W	220-240 VAC 50~60 HZ	144	2880 lm	4000K	Asymmetric	281*385*92 mm	3,0 kg
MSA-030DM-ASY12-740-9005	30 W	220-240 VAC 50~60 HZ	132	3960 lm	4000K	Asymmetric	281*385*92 mm	3,0 kg
MSA-032DM-ASY12-740-9005	32 W	220-240 VAC 50~60 HZ	132	4272 lm	4000K	Asymmetric	281*385*92 mm	3,0 kg
MSA-040DM-ASY12-740-9005	40 W	220-240 VAC 50~60 HZ	132	5280 lm	4000K	Asymmetric	281*385*92 mm	3,0 kg
MSA-041DM-ASY12-740-9005	41 W	220-240 VAC 50~60 HZ	131	5541 lm	4000K	Asymmetric	281*385*92 mm	3,0 kg
MSA-050DM-ASY12-740-9005	50 W	220-240 VAC 50~60 HZ	132	6600 lm	4000K	Asymmetric	281*385*92 mm	3,0 kg
MSA-051DM-ASY12-740-9005	51 W	220-240 VAC 50~60 HZ	131	6669 lm	4000K	Asymmetric	281*385*92 mm	3,0 kg
MSA-060DM-ASY12-740-9005	60 W	220-240 VAC 50~60 HZ	132	7920 lm	4000K	Asymmetric	281*385*92 mm	3,0 kg
MSA-070DM-ASY12-740-9005	70 W	220-240 VAC 50~60 HZ	128	9025 lm	4000K	Asymmetric	281*385*92 mm	3,0 kg
MSA-080DM-ASY12-740-9005	80 W	220-240 VAC 50~60 HZ	132	10560 lm	4000K	Asymmetric	281*385*92 mm	3,0 kg
MSA-091DM-ASY12-740-9005	91 W	220-240 VAC 50~60 HZ	138	12661 lm	4000K	Asymmetric	332*440*96 mm	4,6 kg
MSA-100DM-ASY12-740-9005	100 W	220-240 VAC 50~60 HZ	132	13200 lm	4000K	Asymmetric	332*440*96 mm	4,6 kg
MSA-102DM-ASY12-740-9005	102 W	220-240 VAC 50~60 HZ	135	13895 lm	4000K	Asymmetric	332*440*96 mm	4,6 kg
MSA-113DM-ASY12-740-9005	113 W	220-240 VAC 50~60 HZ	134	15152 lm	4000K	Asymmetric	332*440*96 mm	4,6 kg
MSA-120DM-ASY12-740-9005	120 W	220-240 VAC 50~60 HZ	132	15840 lm	4000K	Asymmetric	332*440*96 mm	4,6 kg
MSA-122DM-ASY12-740-9005	122 W	220-240 VAC 50~60 HZ	131	16041 lm	4000K	Asymmetric	332*440*96 mm	4,6 kg
MSA-132DM-ASY12-740-9005	132 W	220-240 VAC 50~60 HZ	129	17138 lm	4000K	Asymmetric	332*440*96 mm	4,6 kg
MSA-139DM-ASY12-740-9005	139 W	220-240 VAC 50~60 HZ	128	17861 lm	4000K	Asymmetric	332*440*96 mm	4,6 kg
MSA-150DM-ASY12-740-9005	150 W	220-240 VAC 50~60 HZ	132	19800 lm	4000K	Asymmetric	332*440*96 mm	4,6 kg
MSA-152DM-ASY12-740-9005	152 W	220-240 VAC 50~60 HZ	126	19342 lm	4000K	Asymmetric	332*440*96 mm	4,6 kg



In areas where city mains voltage is unavailable, along coastal edges, and in locations where the historical character is not at risk of deterioration, solar-powered LED street luminaires represent an environmentally friendly and energy-efficient alternative to traditional street lighting systems. While it is not yet a preferred option due to the high cost of system components, its use is expected to increase as system costs decrease. Solar-powered luminaires represent the most economical solution when compared to the total cost of electrical infrastructure, cabling, labor, and electricity consumption, particularly in areas without electrical infrastructure and around factories.

The low energy consumption of LED technology allows for the provision of high-performance, environmentally friendly lighting solutions. Their solar operation contributes to carbon neutrality goals and meets the requirements of a sustainable system. Integrated battery systems ensure that solar power can provide uninterrupted lighting even at night and on cloudy days. Their durable construction and long lifetime minimize maintenance requirements and reduce costs. Equipping them with intelligent lighting control systems optimizes energy savings. Solar-powered LED light source street luminaires are also a reliable and efficient option to meet the needs of cities.

The URSA-M series solar lighting luminaires meet the light level and homogeneity requirements and other global standards required for multiple road types and classes demanded in Turkey and abroad. System components are determined by calculating the lighting calculation and total power according to the requested working hours and power. The system is completed with a monocrystalline solar panel, MPPT charge regulator, and lithium battery, gel battery, or dry-type battery in parallel with the customer's request. With Ursa-M series solar lighting fixtures, long-lasting systems and systems that meet the traditional luminaires operating with mains voltage can be created.

Polaris series products are not designed to be high-powered due to the inclusion of all components, including a solar panel, battery, and MPPT charge regulator, within the luminaire itself. Given the limited space available for batteries and solar panels in these luminaires, which are designed for use in environmental lighting, sensor systems have been developed to ensure long-term operation. Once movement is detected by the sensor, the lighting brightness value is immediately reduced to 10% and remains at this level for a period of up to four hours. Polaris series luminaires are ideal for environmental lighting in locations such as factories, farms, and vineyard houses where a low level of light is sufficient.

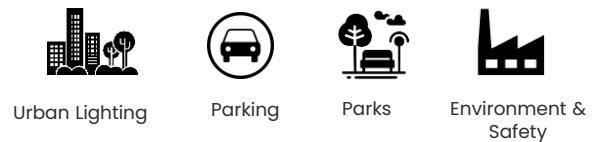


General Information

Solar Lighting Systems provides the technology and expertise to bring street, park, seaside, and garden lighting projects to fruition. Our solution involves the installation of solar energy panels and batteries to store the energy produced during the day.

In solar system lighting projects, the operating voltage is typically set at 12V or 24V. Batteries and solar panels are typically preferred and produced at these voltages. It is essential to utilize a MPPT (maximum power point tracking) solar charge controller to ensure the optimal functioning of solar-powered systems in accordance with seasonal and solar conditions fluctuations. This prevents the depletion of batteries when solar panels are not generating energy, facilitates the most efficient battery charging, safeguards against over-discharging, and extends the lifespan of batteries. While these devices are more costly than PWM chargers, they offer a significantly higher level of efficiency when the benefit/cost ratio is taken into account. Our solar-powered lighting systems are designed with monocrystalline solar panels, which are preferred for their efficiency and durability. We recommend Deep Cycle Gel Batteries or Lithium Phosphate batteries for optimal performance. Our systems are equipped with monocrystalline solar panels ranging from 165W to 330W and LED lighting power of 30W, 40W, or 50W, tailored to meet the desired brightness level. We select the most advanced devices and technologies in the sector to ensure our customers receive the best possible solution.

Application Areas



Solar Panel	165W	200W	330W
Battery	100 Ah / 1200 Wh	150 Ah / 1800 Wh	200 Ah / 2400 Wh
Operating Range	3 Days – 10 Hours/Day	3 Days – 10 Hours/Day	3 Days – 12 Hours/Day
Battery Type	Deep Cycle GEL Battery / LiFePO4		
Charger	MPPT Solar Charger		

Subsystems and Their Features

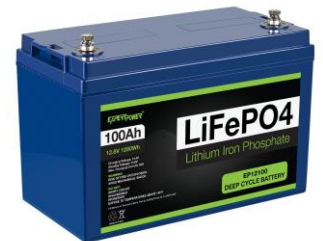


Solar Solar Panel

- High efficiency Monocrystalline Solar Panel
- 12V ve 24V Optional
- 100W / 200W / 340W / 400W / 450W
- Compatible Connector MC4
- IP65 Protection Class
- 10 Year System Warranty
- Max. Load: Wind- 2400Pa / Snow – 5400 Pa

Deep Cycle Gel Battery

- 12V ve 24V
- 100 / 150 / 200 Ah
- 750 times Use with 50% Discharge



LiFePO4 Batarya

- 12,8V ve 25,6V
- 100 / 150 / 200 Ah
- 2000 Usage with 90% Discharge

MPPT Solar Charge Controller



- Load: Lighting Control
- Max. Panel Input: 12V - 24V
- Max. Input Capacity: 20-40A (12V) – 60A (24V)
- Charge Management: MPPT
- System Voltage: 12-24V
- Operating Temperature: -25°C~60°C

Street Lighting Fixture

- Consumption Power : 30 / 40 / 50W
- Body : Aluminum Injection
- Light Source : LED
- Optics : PC Lens
- IP Protection: IP66
- Impact Resistance : IK 08
- Input Voltage : Solar System
- Efficacy Factor : 150 lm/W
- CRI : > 70
- Operating Temperature: -25°C~60°C



Standard Product Features

Body	: Aluminum Injection
Refractor	: High Transmittance min. 4 mm Tempered Glass
IP Protection Class	: IP66
Usage	: Side or top Entry Mounting (Diameter $\Phi = 50 / 60$ mm)
Light source	: LED
Optics	: PC Lens
Test Standards	: TS EN 60598, TS EN 62031, TS IEC TR 62471, TS EN 60529, TS EN 62262, TS EN 62722-2-1

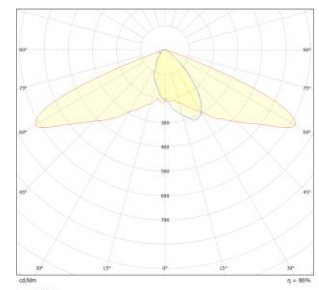
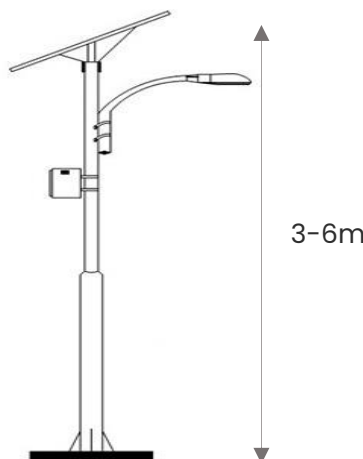
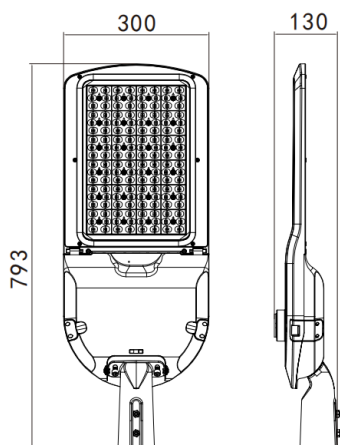
Optical and Electrical Properties

Consumption Power	: 30W/40W/50W	Input Voltage	: 12V DC – 24V DC
Total Lumens	: 4500 lm	Max. Tensile Strength	: 2kV -6 kV optional
Optics	: Asymmetric	Color Temperature	: 2700K - 6500K
Effectiveness Factor	: 150 lm/W	CRI	: >70

Other Features

Operating Temperature	: -25°C / +55°C	LED Lifespan	: 60,000 Seconds
Impact Resistance Class	: IK 08 - IK 10 (Optional)	Rakor	: IP66, M16X1.5
Running Time	: 5 - 10 Seconds		

Technical Drawings and Visuals



Optical Beam Angle:
Asymmetric

Product Code	Power	Input Voltage	Luminous Flux	CCT	Light Angle	Dimensions
URS-030M-ASY12-850	30 W	24V DC	4200 lm	2700K – 6500K	ASM	466.8×174.8
URS-040M-ASY12-850	40 W	24V DC	5600 lm	2700K – 6500K	ASM	466.8×174.8
URS-050M-ASY12-850	50 W	24V DC	7000 lm	2700K – 6500K	ASM	466.8×174.8

POLARIS Solar Powered Lighting Fixture 16W ~ 48W



General Application Areas



Hobby
Gardens



Factories

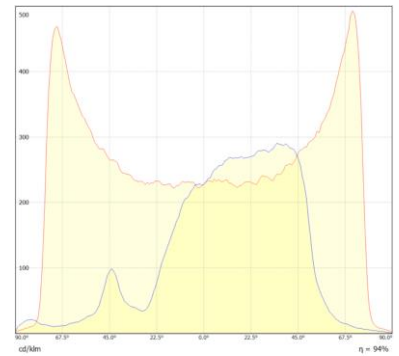


Perimeter
Lighting

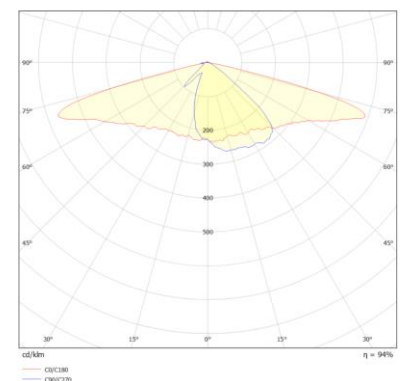
General Information

The solar-powered street/environmental lighting luminaire is a lighting solution designed for mounting on poles at a height of 2-4 meters. It is suitable for use in park and landscape lighting and industrial facility perimeter lighting. The luminaires feature LED modules with high energy efficiency and a compact case structure. In addition to different sizes and dimensions, the product is classified according to solar panel type and LED power. Different light distribution and power options are available according to the area to be illuminated, and design and production can be made according to the project needs. The product provides 20% illumination in a still environment and 100% illumination in a moving environment. The dimming range can be changed with the remote control, and the luminaire can be turned on and off.

Optical Beam Angles



Asymmetric



Asymmetric

POLARIS Solar Powered Lighting Fixture 16W ~ 48W

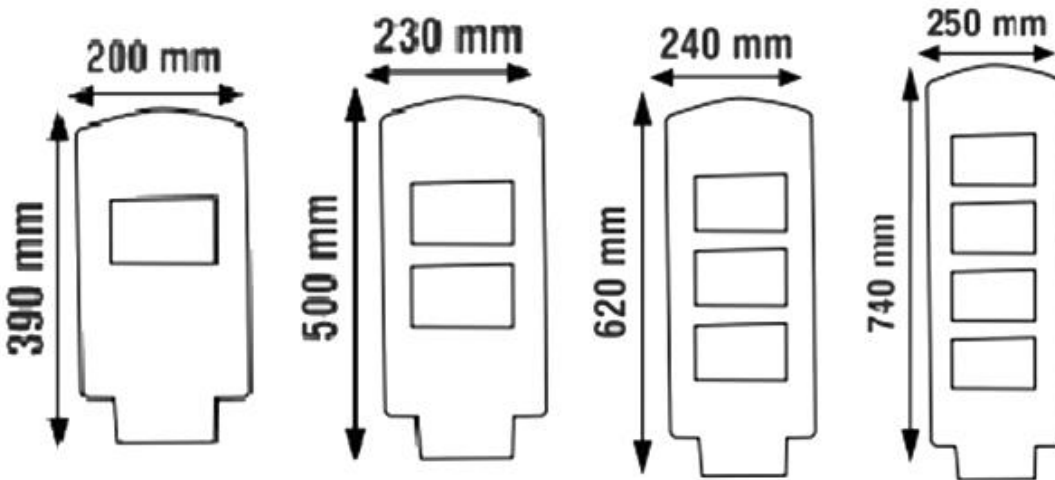
Technical Specifications

Body	:Plastic Injection
IP Protection Class	:IP 65
Luminous Flux	:1000 lm ~ 4000 lm
Light source	:LED
Test Standards	:TS EN 60598TS, EN 60529, TS EN 62031TS, EN 62262, TS IEC TR 62471TS, EN 62722-2-1

Optical and Electrical Properties

Power	16W ~ 48W	Light Angle	ASM.
CE Marking	Yes	Power Factor	>0,9
Optics	PMMA / PC	Max Tensile Strength	2kV
Effectiveness Factor	>100 lm/W	Color Temperature	3000K/4000K/6500K
Input Voltage	200-240 V AC 50/60 HZ	CRI	>70
Total Harmonic Distortion	<%20	Dimensions	620x240x85 mm

Technical Drawing (Side View) and Wiring Diagram



Product Variations

Product Code	Power	Input Voltage	Luminous Flux	Light Angle	Dimensions
PLR-016SM-ASY12-850	16W/Saat	Solar	1000m	ASY°	390x200x85 mm
PLR-032SM-ASY12-850	32 W/Saat	Solar	2000m	ASY°	500x230x85 mm
PLR-048SM-ASY12-850	48 W/Saat	Solar	3000lm	ASY°	620x240x85 mm
PLR-064SM-ASY12-850	64 W/Saat	Solar	40000lm	ASY°	740x250x85 mm

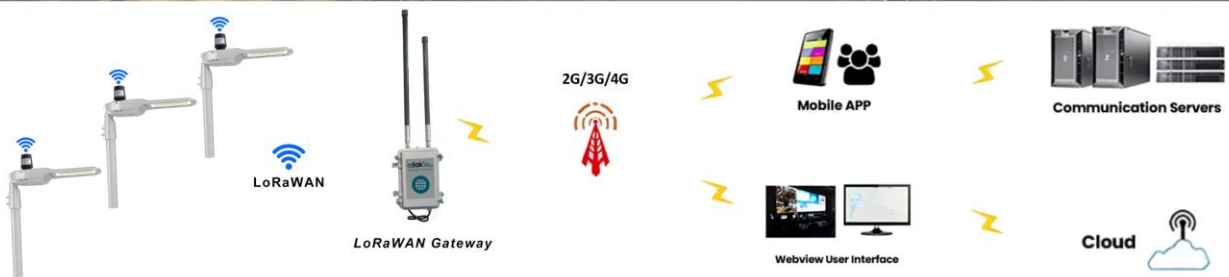


The rapid growth of urban populations, coupled with rural migration and the expansion of educational opportunities in metropolitan areas, has led to a significant increase in the number of people living in cities. This, along with the growing accessibility to healthcare and the emergence of new job opportunities, has contributed to a notable rise in urban density. As long as these factors continue to affect residents, the population of cities is likely to continue to grow. Global reports also indicate that urban populations will increase year by year. This will present new challenges in areas such as infrastructure, transportation, housing, and resource management, and will require innovative solutions for urban planning. Therefore, the Smart City trend continues to gain momentum worldwide.

The traditional city is facing a number of challenges, including rapid urbanization, inadequate infrastructure, rising citizen and stakeholder expectations, increased density, increased economic competition, and increasing environmental challenges. These factors highlight the need for smart cities. Concurrently, the precipitous decline in technology costs and the concomitant surge in technological expertise demonstrate the viability of smart cities. In today's fast-paced technological landscape, the development and governance of smart cities is becoming a crucial priority. It is essential for city administrations and decision-makers to assess the current landscape, design a transformation roadmap, and clearly define the desired outcome while embarking on the Smart City transformation journey. This catalog showcases solutions that address the challenges and opportunities identified in our country, aligning with the strategies and policies that guide our approach.

The Odak R&D Center develops solutions for the needs of smart cities, employing innovative approaches. Our catalog serves as a reference for managers and decision makers seeking to implement smart city projects. We provide comprehensive solutions in the areas of Smart City Systems, Intelligent Transportation Systems, Lighting Systems, Aviation Systems, and Defense Systems and Security, utilizing the latest technology. Each of our solutions is equipped with cutting-edge, scalable technologies and designed to enable cities to advance towards a sustainable, efficient, and secure future.

SMART CITY LIGHTING CONTROL SYSTEM



The concept of a smart city also requires smart transformations in street and street lighting in cities. In line with the Paris Agreement, countries are taking action to reduce consumption, promote sustainable smart cities and tackle climate change. A control system that supports these actions will contribute to achieving multiple goals. This is why IoT-based lighting control systems are becoming increasingly popular and in demand worldwide.

The wireless infrastructure technologies that will serve all smart cities are Bluetooth, Zigbee, GSM, or LoRa. The Zigbee solution is not the preferred option due to its high cost per luminaire. Bluetooth communication cannot provide service throughout the city and is generally preferred indoors. GSM-based systems are not preferred due to the monthly subscription costs to service providers per luminaire.

LoRa Wireless technology, named after the initials LoRa, provides long-distance communication in urban lighting worldwide. Our system is equipped with LoRa wireless technology.

In the field of street lighting luminaire control, the American NEMA and Zhaga sockets, which are still in their infancy, have recently become available. In our system, we utilise NEMA socket-compatible RF receivers that are more widely preferred. This allows us to offer compatibility with all NEMA socketed luminaires that are ANSI C136.41-compliant.

LoRa Gateway



General Information

- LoRa Data Collector that enables individual communication with nodes using a 470/868/915 MHz wireless interface.
- In addition to its primary functions, the LoRa data collector oversees all electrical equipment in the cabin, gathers data from the electricity meter and other connected devices, and transmits the real-time status of the entire LoRa system to the server via GSM/GPRS/3G mobile network. LoRa data collector programming and light level programming are conducted remotely from the software.

LoRa Gateway Features

Input Voltage	: 100 – 277 VAC 50/60 Hz
Power	: 2W
Power Factor	: >0,9
Protocol	: LoRa
RF Frequency	: 470/868/915 MHz
RF Tx Power	: 17 dBm
Control Capacity	: 200 Fixtures
Protection Class	: IP66
Operating Temperature	: -40°C / +70°C
Body	: Aluminum
Voltage Protection	: 10 kV
Weight	: 4 kg
Dimensions	: 230x 200.5 x 85

Nema Socket Compatible LoRa RF Controller



General Information

- Wireless node controller mounted on the body of each luminaire and controlled by the LoRa Gateway with RF 433/865/868/915 MHz frequencies. It provides load control (on/off) and dimming function in luminaires.

LoRa Node Controller

Electrical Specifications

Input Voltage	: 100 – 277 VAC 50/60 Hz
Idle Power	: ≤ 1,2 W
Load Power	: Max. 1000 W
Load Current	: Max. 16 A
The Ripple Factor	: < 3%
Operating Temperature	: -40°C / +55°C

Interface & Protocol Features

Armature Control Interface	: DAC 1-10V/PWM
Input - Output Connectors	: Leads 3P/5P/7P, Nema Socket
Communication Mode	: ISM Band RF 433/865/868/915 MHz

Mechanical Properties

Body	: Hard Plastic Case, IP66
Measures	: Φ94 x 97 mm
Weight	: 0,3 kg
Dimmable Control Cable	: Purple(+) / Gray (-)

Nema Socket (ANSI C136.41)

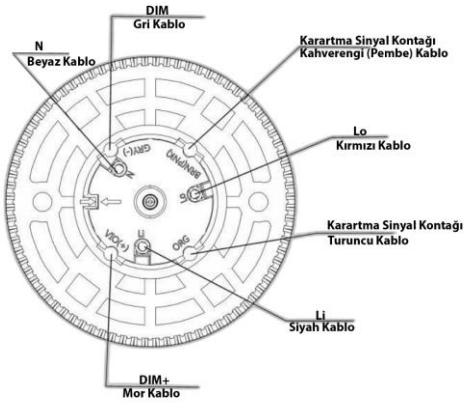
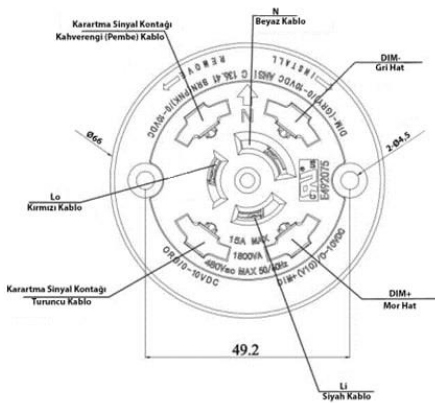


General Information

NEMA sockets provide the electrical and mechanical connection between the control cell and the luminaire. ANSI C136.41 and UL773 clearly define the dimensions, locking type, and other details of the standard socket. The NEMA socket is a standardized connection type throughout the lighting industry. It is easily removable and installable.

This makes installation, maintenance, and repair more straightforward. The NEMA socket provides a reliable power connection with robust twist-lock contacts, ensuring a secure and dependable connection. In lighting fixtures, NEMA Socket can be 3-pin, 5-pin, or 7-pin. 3-pin NEMA Sockets can be equipped with on/off control, 5-pin NEMA Sockets can be fitted with 1-10 VDC control, and 7-pin NEMA Socket versions can be supplied with both 1-10 VDC and DALI (Digital Addressable Lighting Interface) dimming options.

Technical Drawing (Top and Bottom View)



Technical Specifications

Input Voltage (AC)	: 480 VAC max.
Dimming Voltage Input (DC)	: 30 VDC max.
Input Current	: 15 A max.
Dimming Current	: 250 mA max.
Operating Temperature	: -40 °C - +70 °C
Nem	: %99
Max. Tensile Strength	: 3 kV / 60 Hz
3 Pin Socket	: 3 power input contacts
5 Pin Socket	: 3 power input contacts 0-10 VDC Signal Input
7 pin Socket	: 3 power input contacts 0-10 VDC Signal Input DALI Signal Input
Cable Types	: Power Input Cable (3x2.5 mm ²) Signal Input Cable (2x0.75 mm ² or 4x0.75 mm ²)
Body	: Bakaline
Additional Accessory	: Silicone Gasket
Standards	: ANSI C136.41 - UL773

Product Variations

Product Code	Explanation	Input Voltage	Input Current	Dimensions	Cable Length
NM01-6603	3 pin Nema Socket (On-Off)	480 VAC 50-60 Hz	15 A	Ø = 66 mm	20 - 40 - 60 cm
NM01-6605	5 pin Nema Socket (1-10V)	480 VAC 50-60 Hz	15 A	Ø = 66 mm	20 - 40 - 60 cm
NM01-6607	7 pin Nema Socket (DALI)	480 VAC 50-60 Hz	15 A	Ø = 66 mm	20 - 40 - 60 cm



General Information

The Nema socket is used in street lighting luminaires produced in accordance with automation standards. These covers are mounted on the socket by the manufacturer and/or end user to maintain the IP65/66 sealing of the luminaire until the automation is activated. The exposed contact ends of the Nema socket are covered by the cover. Nema socket covers are produced as open circuit and short circuit, allowing flexibility in meeting project requirements.

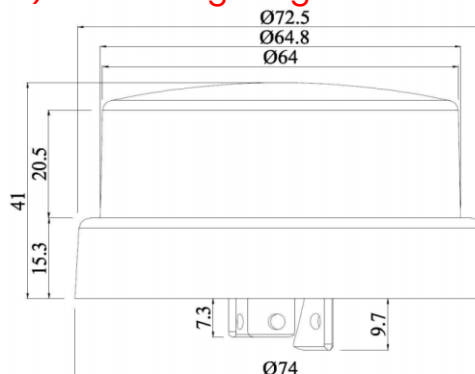
This product is fully compatible with 3/5/7-pin NEMA sockets manufactured according to ANSI C136.41 and UL773 coded standards, and meets the same exact standards.

Highlights

Contact Type	: Short Circuit or Open Circuit
Input Voltage (AC)	: 480 VAC max.
Input Current	: 15 A max.
Operating Temperature	: -40 °C – +70 °C
Body	: UV Protection Polycarbonate
Base	: High Temperature Resistant PBT
IP Protection	: IP 65 (Optional IP66)
Standards	: ANSI C136.41 – UL773
UL Approval File No	: E492075

Body color options are available* **Black, Grey, Blue

Technical Drawing (Side View) and Wiring Diagram



Product Variations

Product Code	Explanation	Input Voltage	Input Current	Dimensions
LTISC	Short Circuit Cap	480 VAC 50-60 Hz	15 A	Ø = 72 mm, H= 44 mm
LTIOC	Open Circuit Cap	480 VAC 50-60 Hz	15 A	Ø = 72 mm, H= 44 mm



General Information

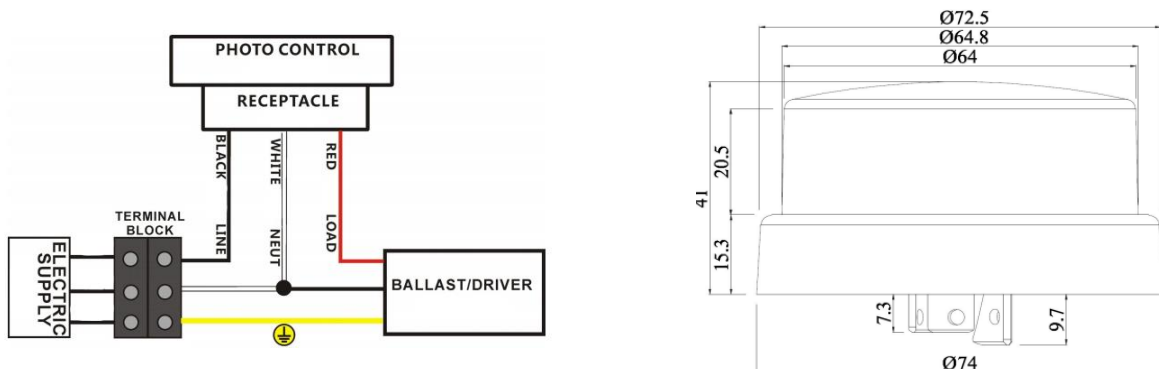
The Nema socket is used in street and environmental lighting fixtures produced in accordance with automation. In the absence of automation, a photocell can be mounted on the luminaire to enable the luminaire to be turned on and off according to the presence or absence of daylight.

Photocells manufactured in accordance with ANSI C136.41 and UL773 standards are fully compatible with NEMA sockets and meet the same exact standards.

Highlights

Standard	: ANSI C136.10 & UL773
Nominal Volt	: 120V-277V
Nominal Load	: 1000W/1800VA
Opening Light Levels	: 10-16 Lux
Time Delay	: 30-10 seconds
Key	: >5000 On/Off at Rated Load
Surge Protection	: 160J
Power Consumption	: ≤ 120VAC'de 0,5 watt
Lid	: UV and Impact Resistant Polypropylene
Base	: High Temperature Resistant PBT
Failure Mode	: Off (Optional: On)
<i>*Body color options are available Black, Grey, Blue</i>	

Technical Drawing (Side View) and Wiring Diagram



Product Variations

Product Code	Explanation	Input Voltage	Input Current	Dimensions
LT104	Nema Socket Compatible Photocell	480 VAC 50-60 Hz	15 A	Ø = 72 mm, H= 41 mm

PRODUCT CODING TEMPLATE

A L T

Product Family Code
ALT: ALTAIR

0 5 6 S M

Product Power Consumption
056: 56 W
074: 74 W
106: 106 W

Mounting Type
SM: Surface
CT: Cable Tray
BB: Busbar
HM: Chain or Mapa
WL: Wall

0 0 9 0 1

Optic
0090: 90°
0110: 110°
0120: 120°

Automation Type
1: ON/OFF
2: 1-10V
3: DALI
4: KNX
5: TRIAC
6: BT
7: RF
8: LORA
9: WI-FI

8 6 5

CRI
7: 70 CRI
8: 80 CRI
9: 90 CRI

CCT
30: 3000K
40: 4000K
50: 5000K
65: 6500K

9 0 0 5

RAL CODE
7016: Anthracite Gray
9005: Black

L M S

Product Family Class
RGL: LUMISTAR

1 0 0 B B

Product Power Consumption
50: 50 W
100: 100 W

Mounting Type
SM Surface
CT: Cable Tray
BB Busbar
HM Chain or Mapa
WL: Wall

0 0 3 0 1

Optic
0030: 0°
0060: 60°
0064: 64°
0090: 90°
0150: 150°
ASY1: Asymmetric

Automation Type
1: ON/OFF
2: 1-10V
3: DALI
4: KNX
5: TRIAC
6: BT
7: RF
8: LORA
9: WI-FI

8 6 5

CRI
7: 70 CRI
8: 80 CRI
9: 90 CRI

CCT
30: 3000K
40: 4000K
50: 5000K
65: 6500K

7 0 1 6

RAL CODE
7016: Anthracite Gray

A L S

Product Family Class
ALS: ALSHAIN

0 7 2 S M

Product Power Consumption
072: 72 W
096: 96 W

Mounting Type
SM Surface
CT: Cable Tray
BB Busbar
HM Chain or Mapa
WL: Wall

0 0 9 0 1

Optic
0090: 90°
0110: 110°
0120: 120°

Automation Type
1: ON/OFF
2: 1-10V
3: DALI
4: KNX
5: TRIAC
6: BT
7: RF
8: LORA
9: WI-FI

8 6 5

CRI
7: 70 CRI
8: 80 CRI
9: 90 CRI

CCT
30: 3000K
40: 4000K
50: 5000K
65: 6500K

7 0 1 6

RAL CODE
7016: Anthracite Gray
9005: Black

L M S

Product Family Class
RGL: LUMISTAR

1 0 0 B B

Product Power Consumption
50: 50 W
100: 100 W

Mounting Type
SM Surface
CT: Cable Tray
BB Busbar
HM Chain or Mapa
WL: Wall

0 0 3 0 1

Optic
0030: 0°
0060: 60°
0064: 64°
0090: 90°
0150: 150°
ASY1: Asymmetric

Automation Type
1: ON/OFF
2: 1-10V
3: DALI
4: KNX
5: TRIAC
6: BT
7: RF
8: LORA
9: WI-FI

8 6 5

CRI
7: 70 CRI
8: 80 CRI
9: 90 CRI

CCT
30: 3000K
40: 4000K
50: 5000K
65: 6500K

7 0 1 6

RAL CODE
7016: Anthracite Gray

R G L

Product Family Class
RGL: REGULUS

1 0 6 S M

Product Power Consumption
106: 106 W
212: 212 W
318: 318 W

Mounting Type
SM Surface
CT: Cable Tray
BB Busbar
HM Chain or Mapa
WL: Wall

0 0 1 8 1

Optic
0018: 18°
0040: 40°
0060: 60°
ASY1: Asymmetric

Automation Type
1: ON/OFF
2: 1-10V
3: DALI
4: KNX
5: TRIAC
6: BT
7: RF
8: LORA
9: WI-FI

8 6 5

CRI
7: 70 CRI
8: 80 CRI
9: 90 CRI

CCT
30: 3000K
40: 4000K
50: 5000K
65: 6500K

9 0 0 5

RAL CODE
7016: Anthracite Gray
9005: Black

C P L

Product Code
CPL: CAPELLA

0 7 2 S M

Product Power Consumption
072: 72 W
096: 96 W
128: 128 W

Mounting Type
SM: Surface
CT: Cable Tray
BB: Busbar
HM: Chain or Mapa
WL: Wall

0 0 6 0 1

Optic
0018: 18°
0040: 40°
0060: 60°
ASY1: Asymmetric
ASY2: 20°-70°

Automation Type
1: ON/OFF
2: 1-10V
3: DALI
4: KNX
5: TRIAC
6: BT
7: RF
8: LORA
9: WI-FI

8 6 5

CRI
7: 70 CRI
8: 80 CRI
9: 90 CRI

CCT
30: 3000K
40: 4000K
50: 5000K
65: 6500K

7 0 1 6

RAL CODE
7016: Anthracite Gray
9005: Black

PRODUCT CODING TEMPLATE

C	N	P
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Product Family Code
CNP: CANOPLUS

0	7	2	R	M
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Product Power Consumption
072: 72 W
096: 96 W
128: 128 W

Mounting Type
CN: Canopy
SM: Surface
RM: Flush Mounted
CT: Cable Tray
BB: Busbar
HM: Chain or Mapa
WL: Wall

0	0	9	0	1
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Optic
0090: 90°
0110: 110°
0120: 120°

Automation Type
1: ON/OFF
2: 1-10V
3: DALI
4: KNX
5: TRIAC
6: BT
7: RF
8: LORA
9: WI-FI

8	6	5
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CRI
7: 70 CRI
8: 80 CRI
9: 90 CRI

CCT
30: 3000K
40: 4000K
50: 5000K
65: 6500K

9	0	1	0
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RAL CODE
7016: Anthracite Gray
9005: Black

B	L	X
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Product Family Code
BLX: BELLATRIX

0	3	3	S	M
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Product Power Consumption
033: 33 W
042: 42 W
050: 50 W
059: 59 W

Mounting Type
SM: Surface Mounted
CT: Cable Tray
BB: Busbar
WL: Wall

0	1	1	0	1
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Optic
0008: 8°
0017: 17°
0025: 25°
0045: 45°
0060: 60°
0090: 90°
0120: 120°

Automation Type
1: ON/OFF
2: 1-10V
3: DALI
4: KNX
5: TRIAC
6: BT
7: RF
8: LORA
9: WI-FI

8	6	5
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CRI
7: 70 CRI
8: 80 CRI
9: 90 CRI

CCT
30: 3000K
40: 4000K
50: 5000K
65: 6500K

9	0	0	6
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RAL CODE
9006: Metallic Gray
00CE: Anodizing
7016: Anthracite Gray

L	Y	R
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Product Family Code
LYR: LYRA

0	7	2	S	M
---	---	---	---	---

Product Power Consumption
056: 56 W
065: 65 W
085: 85 W
100: 100 W
113: 113 W
133: 133 W

Mounting Type
SM: Surface Mounted
CT: Cable Tray
BB: Busbar
WL: Wall

0	1	1	0	1
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Optic
0065: 65°
0110: 110°
0120: 120°

Automation Type
1: ON/OFF
2: 1-10V
3: DALI
4: KNX
5: TRIAC
6: BT
7: RF
8: LORA
9: WI-FI

8	6	5
---	---	---

CRI
7: 70 CRI
8: 80 CRI
9: 90 CRI

CCT
30: 3000K
40: 4000K
50: 5000K
65: 6500K

0	0	C	E
---	---	---	---

RAL CODE
9006: Metallic Gray
00CE: Anodizing

H	Y	D
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Product Family Code
HYD: HYDRA

0	1	8	S	M
---	---	---	---	---

Product Power Consumption
018: 18 W
036: 36 W
065: 65 W

Mounting Type
SM: Surface Mounted
CT: Cable Tray
BB: Busbar
WL: Wall

0	1	1	0	1
---	---	---	---	---

Optic
0110: 110°

Automation Type
1: ON/OFF
2: 1-10V
3: DALI
4: KNX
5: TRIAC
6: BT
7: RF
8: LORA
9: WI-FI

8	6	5
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CRI
7: 70 CRI
8: 80 CRI
9: 90 CRI

CCT
30: 3000K
40: 4000K
50: 5000K
65: 6500K

7	0	1	6
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RAL CODE
7016: Anthracite Gray

H	F	S
---	---	---

Product Family Code
HFS: Hydra Fix-S

0	1	8	S	M
---	---	---	---	---

Product Power Consumption
039: 39 W
080: 80 W

Mounting Type
SM: Surface Mounted
CT: Cable Tray
BB: Busbar
WL: Wall

0	1	1	0	1
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Optic
0110: 110°

Automation Type
1: ON/OFF
2: 1-10V
3: DALI
4: KNX
5: TRIAC
6: BT
7: RF
8: LORA
9: WI-FI

8	6	5
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CRI
7: 70 CRI
8: 80 CRI
9: 90 CRI

CCT
30: 3000K
40: 4000K
50: 5000K
65: 6500K

0	1	E	3
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OPERATION MODE
01: CONTINUOUS
02: IN THE EMERGENCY

WORKING TIME IN OUTAGE
E1: 1 HOUR
E2: 2 HOURS
E3: 3 HOURS

R	G	L
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Product Code
RGL: RIGEL

0	1	5	R	M
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Product Power Consumption
015: 15 W
023: 23 W
034: 34 W
040: 40 W
044: 44 W
045: 45 W
063: 63 W

Mounting Type
RM: Flush Mounted
SM: Surface
CL: Clip-in

0	1	1	0	1
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Optic
0110: 110°

Automation Type
1: ON/OFF
2: 1-10V
3: DALI
4: KNX
5: TRIAC
6: BT
7: RF
8: LORA
9: WI-FI

8	4	0
---	---	---

CRI
7: 70 CRI
8: 80 CRI
9: 90 CRI

CCT
30: 3000K
40: 4000K
50: 5000K
65: 6500K

9	0	1	6
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RAL CODE
9016: White

PRODUCT CODING TEMPLATE

G L N

Product Code
GLN: GLINT

0 0 8 R M

Product Power Consumption
008: 8 W
012: 12 W
018: 18 W
024: 24 W
032: 32 W

Mounting Type
RM: Flush Mounted
SM: Surface
PM: Pendant.

0 0 9 0 1

Optic
0120: 120°
0090: 90°

Automation Type
1: ON/OFF
2: 1-10V
3: DALI
4: KNX
5: TRIAC
6: BT
7: RF
8: LORA
9: WI-FI

8 3 0

CRI
7: 70 CRI
8: 80 CRI
9: 90 CRI

CCT
30: 3000K
40: 4000K
50: 5000K
65: 6500K

9 0 1 6

RAL CODE
9005: Black
9016: White

E L G

Product Family Code
ELG: ELEGANCE

0 5 1 S M

Product Power Consumption
025: 25 W
036: 36 W
038: 38W
048: 48 W
051: 51 W
090: 90 W

Mounting Type
PM: Pendant.
SM: Surface
CT: Cable Tray

0 0 3 0 1

Optic
0030: 30°
0060: 60°
0090: 90°
ASY1: Asimetrik
DASY: Double Asimetrik

Automation Type
1: ON/OFF
2: 1-10V
3: DALI
4: KNX
5: TRIAC
6: BT
7: RF
8: LORA
9: WI-FI

8 6 5

CRI
7: 70 CRI
8: 80 CRI
9: 90 CRI

CCT
30: 3000K
40: 4000K
50: 5000K
65: 6500K

9 0 1 6

RAL CODE
9016: White
9006: Gray
00CE: Anodizing

L N D

Product Family Code
LND: LINDA

0 4 0 P M

Product Power Consumption
014: 14 W
020: 20 W
027: 27 W
040: 40 W
041: 41 W
060: 60 W

Mounting Type
PM: Pendant
SM: Surface
CT: Cable Tray

0 0 9 0 1

Optic
0090: 90°
6090: 60°X90°
1011: 100°X110°
ASY1: Asymmetric
DASY Double Asymmetric

Automation Type
1: ON/OFF
2: 1-10V
3: DALI
4: KNX
5: TRIAC
6: BT
7: RF
8: LORA
9: WI-FI

8 4 0

CRI
7: 70 CRI
8: 80 CRI
9: 90 CRI

CCT
30: 3000K
40: 4000K
50: 5000K
65: 6500K

9 0 1 6

RAL CODE
9016: White
9006: Gray

A L Y

Product Family Code
ALY: ALYA

0 2 1 C T

Product Power Consumption
021: 21 W
027: 27 W
033: 33 W
039: 39 W
043: 43 W
054: 54 W
066: 66 W
078: 78 W

Mounting Type
CT: Cable Tray

0 1 1 0 1

Optic
0110: 110°

Automation Type
1: ON/OFF
2: 1-10V
3: DALI
4: KNX
5: TRIAC
6: BT
7: RF
8: LORA
9: WI-FI

8 6 5

CRI
7: 70 CRI
8: 80 CRI
9: 90 CRI

CCT
30: 3000K
40: 4000K
50: 5000K
65: 6500K

0 0 C E

RAL CODE
00CE: Anodizing

P R L

Product Family Code
PRL: PEARL

0 1 2 T R

Product Power Consumption
006: 6 W
012: 12 W
018: 18 W

Mounting Type
SM Surface Mounted
CT: Cable Tray
BB Busbar
WL: Wall
TR : Track-ray mount

0 0 2 4 1

Optics
0024: 24°

Automation Type
1: ON/OFF
2: 1-10V
3: DALI
4: KNX
5: TRIAC
6: BT
7: RF
8: LORA
9: WI-FI

9 3 0

CRI
7: 70 CRI
8: 80 CRI
9: 80 CRI

CCT
30: 3000K
40: 4000K

9 0 0 5

RAL CODE
9016: White

P L N

Product Family Code
PLN: PEARL LINE

0 1 2 T R

Product Power
010: 10 W
018: 18 W

Mounting Type
SM Surface Mounted
CT: Cable Tray
BB Busbar
WL: Wall
TR : Track-ray mount

0 1 2 0 1

Optics
00120: 120°

Automation Type
1: ON/OFF
2: 1-10V
3: DALI
4: KNX
5: TRIAC
6: BT
7: RF
8: LORA
9: WI-FI

9 3 0

CRI
7: 70 CRI
8: 80 CRI
9: 80 CRI

CCT
30: 3000K
40: 4000K

9 0 0 5

RAL CODE
9016: White
9005 : Black

PRODUCT CODING TEMPLATE

P T L

Product Family Code
PTL: PEARL TILT

0 1 2 T R

Product Power Consumption
006: 6 W
012: 12 W

Mounting Type
SM Surface Mounted
CT: Cable Tray
BB Busbar
WL: Wall
TR: Track-ray mount

0 0 2 4 1

Optics
0024: 24°

Automation Type
1: ON/OFF
2: 1-10V
3: DALI
4: KNX
5: TRIAC
6: BT
7: RF
8: LORA
9: WI-FI

9 3 0

CRI
7: 70 CRI
8: 80 CRI
9: 80 CRI

CCT
30: 3000K
40: 4000K

9 0 0 5

RAL CODE
9016: White
9005 : Black

P R R

Product Family Code
PRS: PEARL ROD

0 1 5 T R

Product Power Consumption
007: 7W
015: 15W

Mounting Type
SM Surface Mounted
CT: Cable Tray
BB Busbar
WL: Wall
TR : Track-ray mount

0 0 2 4 1

Optics
0024: 24°

Automation Type
1: ON/OFF
2: 1-10V
3: DALI
4: KNX
5: TRIAC
6: BT
7: RF
8: LORA
9: WI-FI

9 3 0

CRI
7: 70 CRI
8: 80 CRI
9: 80 CRI

CCT
30: 3000K
40: 4000K

9 0 0 5

RAL CODE
9016: White
9005 : Black

P R S

Product Family Code
PRS: PEARLSPOT

0 1 0 T R

Product Power Consumption
007: 7W
010: 10 W
018 : 18W

Mounting Type
SM Surface Mounted
CT: Cable Tray
BB Busbar
WL: Wall
TR : Track-ray mount

0 0 2 4 1

Optics
0024: 24°

Automation Type
1: ON/OFF
2: 1-10V
3: DALI
4: KNX
5: TRIAC
6: BT
7: RF
8: LORA
9: WI-FI

9 3 0

CRI
7: 70 CRI
8: 80 CRI
9: 80 CRI

CCT
30: 3000K
40: 4000K

9 0 0 5

RAL CODE
9016: White
9005 : Black

P R R

Product Family Code
PRR: PEARL RAIL

C R C 0 4

RAY Family Code
CRC: PEARL LUMINAIRE COMPATIBLE RAIL

RAIL TYPES
001: 5x20 WATER RAIL002:
36x20 WATER RAIL003:
33x20 FLUSH MOUNTED
RAIL004: 53x27 WATER
RAIL005: 5x20 WATER
RAIL006: 30x20 SA SIX RAIL

Product WidthXHeight Dimension
5327: 53X27mm
0520: 05X20mm
3620: 36X20mm
3320: 33X20mm
3020: 30X20mm

Rail Length
1: 1mt
2: 2mt
3: 3mt

S M 0

Mounting Type

SM: Surface Mounted
RM: Flush-mounted spring
TM: Trimless Flush Mount
PM0: Surface Mounted with Hanger
PM1: Surface Mounted with Suspended Rosette
001: Cover
002: SpringSet 2pcs
003: Fixed Interconnection for energy input
004: Flexible Interconnection for energy input
005: Magnet Wired Energy Input Connection
006: Magnet Hanger Kit-
006: Magnet Hanger Set - Rosette
007: Magnet Fixing Plate for Pendant Luminaires

9 0 0 5

RAL CODE
9005: Black

L M S

Product Family Class
RGL: LUMISTAR

1 0 0 B B

Product Power Consumption
50: 50 W
100: 100 W

Mounting Type
SM Surface
CT: Cable Tray
BB Busbar
HM Chain or Mapa
WL: Wall

0 0 3 0 1

Optic
0030: 0°
0060: 60°
0064: 64°
0090: 90°
0150: 150°
ASY1: Asymmetric
ASY2: 20°-70°

Automation Type
1: ON/OFF
2: 1-10V
3: DALI
4: KNX
5: TRIAC
6: BT
7: RF
8: LORA
9: WI-FI

8 6 5

CRI
7: 70 CRI
8: 80 CRI
9: 90 CRI

CCT
30: 3000K
40: 4000K
50: 5000K
65: 6500K

7 0 1 6

RAL CODE
7016: Anthracite Gray

C P L

Product Code
CPL: CAPELLA

0 7 2 S M

Product Power Consumption
072: 72 W
096: 96 W
128: 128 W

Mounting Type
SM: Surface
CT: Cable Tray
BB: Busbar
HM :Chain or Mapa
WL: Wall

0 0 6 0 1

Optic
0018: 18°
0040: 40°
0060: 60°
ASY1: Asymmetric
ASY2: 20°-70°

Automation Type
1: ON/OFF
2: 1-10V
3: DALI
4: KNX
5: TRIAC
6: BT
7: RF
8: LORA
9: WI-FI

8 6 5

CRI
7: 70 CRI
8: 80 CRI
9: 90 CRI

CCT
30: 3000K
40: 4000K
50: 5000K
65: 6500K

7 0 1 6

RAL CODE
7016: Anthracite Gray
9005: Black

PRODUCT CODING TEMPLATE

D N B

Product Family Code
DNB: DENE B

2 5 0 S M

Product Power Consumption
250: 250 W
300: 300 W

Mounting Type
SM: Surface
CT: Cable Tray
WL: Wall

0 0 8 0 1

Optic
0007: 7°
0010: 10°
0015: 15°
0030: 30°
0045: 45°
0060: 60°
0080: 80°
ASY2: TYPE 2
ASY3: TYPE 3

Automation Type
1: ON/OFF
2: 1-10V
3: DALI
4: KNX
5: TRIAC
6: BT
7: RF
8: LORA
9: WI-FI

8 6 5

CRI
7: 70 CRI
8: 80 CRI
9: 90 CRI

CCT
30: 3000K
40: 4000K
50: 5000K
65: 6500K

9 0 0 5

RAL CODE
9005: Black

H K A

Product Family Code
HKA: HEKA

4 0 0 S M

Product Power Consumption
400: 400 W

Mounting Type
SM: Surface
CT: Cable Tray
WL: Wall

0 0 8 0 1

Optic
0007: 7°
0010: 10°
0015: 15°
0030: 30°
0045: 45°
0060: 60°
0080: 80°

Automation Type
1: ON/OFF
2: 1-10V
3: DALI
4: KNX
5: TRIAC
6: BT
7: RF
8: LORA
9: WI-FI

8 6 5

CRI
7: 70 CRI
8: 80 CRI
9: 90 CRI

CCT
30: 3000K
40: 4000K
50: 5000K
65: 6500K

9 0 0 5

RAL CODE
9005: Black

V G A

Product Family Code
VGA: VEGA

6 0 0 S M

Product Power Consumption
500: 500 W
600: 600 W

Mounting Type
SM: Surface
CT: Cable Tray
WL: Wall

0 0 8 0 1

Optic
0007: 7°
0010: 10°
0015: 15°
0030: 30°
0045: 45°
0060: 60°
0080: 80°

Automation Type
1: ON/OFF
2: 1-10V
3: DALI
4: KNX
5: TRIAC
6: BT
7: RF
8: LORA
9: WI-FI

8 6 5

CRI
7: 70 CRI
8: 80 CRI
9: 90 CRI

CCT
30: 3000K
40: 4000K
50: 5000K
65: 6500K

9 0 0 5

RAL CODE
9005: Black

C S R

Product Family Code
CSR: Castor

0 3 0 S M

Product Power Consumption
030: 30 W
050: 50 W
100: 100 W
150: 150 W
200: 200 W
300: 300 W

Mounting Type
SM: Surface
CT: Cable Tray
WL: Wall

0 1 1 0 1

Optic
0110: 110°

Automation Type
1: ON/OFF
2: 1-10V
3: DALI
4: KNX
5: TRIAC
6: BT
7: RF
8: LORA
9: WI-FI

8 6 5

CRI
7: 70 CRI
8: 80 CRI
9: 90 CRI

CCT
30: 3000K
40: 4000K
50: 5000K
65: 6500K

9 0 0 5

RAL CODE
9005: Black

R O S

Product Family Code
ROS: ROSS

0 5 6 S M

Product Power Consumption
008: 8 W
018: 18 W
047: 47 W
056: 56 W
065: 65 W
070: 70 W

Mounting Type
SM: Surface
CT: Cable Tray
WL: Wall

0 0 4 0 1

Optic
0006: 6°
0008: 8°
0017: 17°
0025: 25°
0040: 40°
0045: 45°
0060: 60°
0090: 90°
0100: 100°
0110: 110°

Automation Type
1: ON/OFF
2: 1-10V
3: DALI
4: KNX
5: TRIAC
6: BT
7: RF
8: LORA
9: WI-FI

8 5 0

Wavelength
625: Red
660: Far Red
730: Near Infrared
850: Infrared
940: Far Infrared

9 0 0 5

RAL CODE
00CE: Anodizing
9006: Gray Matte
9005: Black
9010: Beige

B T L

Product Family Code
BTL: BETELGEUSE

1 2 5 S M

Product Power Consumption
070: 70 W
100: 100 W
125: 125 W

Mounting Type
SM: Surface
CT: Cable Tray
WL: Wall

0 0 0 8 2

Optic
0008: 8°
0017: 17°
0025: 25°
0040: 40°
0045: 45°
0060: 60°
0090: 90°
0110: 110°

Automation Type
1: ON/OFF
2: 1-10V
3: DALI
4: KNX
5: TRIAC
6: BT
7: RF
8: LORA
9: WI-FI

8 5 0

Wavelength
625: Red
660: Far Red
730: Near Infrared
850: Infrared
940: Far Infrared

7 0 1 6

RAL CODE
7016: Anthracite Gray
9005: Black

PRODUCT CODING TEMPLATE

H	Y	D
---	---	---

Product Family Code
HYD: HYDRA

0	1	8	S	M
---	---	---	---	---

Mounting Type
SM: Surface Mounted
CT: Cable Tray
BB: Busbar
WL: Wall

0	1	1	0	1
---	---	---	---	---

Optic
0110: 110°

Automation Type
1: ON/OFF
2: 1-10V
3: DALI
4: KNX
5: TRIAC
6: BT
7: RF
8: LORA
9: WI-FI

8	6	5
---	---	---

CRI
7: 70 CRI
8: 80 CRI
9: 90 CRI

CCT
30: 3000K
40: 4000K
50: 5000K
65: 6500K

7	0	1	6
---	---	---	---

RAL CODE
7016: Anthracite Gray

B	L	X
---	---	---

Product Family Code
BLX: BELLATRIX

0	3	3	S	M
---	---	---	---	---

Product Power Consumption
033: 33 W
042: 42 W
050: 50 W
059: 59 W

Mounting Type
SM: Surface Mounted
CT: Cable Tray
BB: Busbar
WL: Wall

0	1	1	0	1
---	---	---	---	---

Optic
0008: 8°
0017: 17°
0025: 25°
0045: 45°
0060: 60°
0090: 90°
0120: 120°

Automation Type
1: ON/OFF
2: 1-10V
3: DALI
4: KNX
5: TRIAC
6: BT
7: RF
8: LORA
9: WI-FI

8	6	5
---	---	---

CRI
7: 70 CRI
8: 80 CRI
9: 90 CRI

CCT
30: 3000K
40: 4000K
50: 5000K
65: 6500K

9	0	0	6
---	---	---	---

RAL CODE
9006: Metallic Gray
00CE: Anodizing
7016: Anthracite Gray

O	C	T
---	---	---

Product Family Code
OCT: OCTAMOL

8	0	0	S	M
---	---	---	---	---

Product Power Consumption
800: 800 W

Mounting Type
SM: Surface
CT: Cable Tray

0	1	2	0	1
---	---	---	---	---

Optic
0120: 120°
0900: 90°
0060: 60°

Automation Type
1: ON/OFF
2: 1-10V
3: DALI
4: KNX
5: TRIAC
6: BT
7: RF
8: LORA
9: WI-FI

7	4	1
---	---	---

CRI
7: 70 CRI
8: 80 CRI
9: 90 CRI

CCT
30: 3000K
40: 4000K
50: 5000K
65: 6500K

Supporting Light
1: Deep RED
2: Hyper RED
3: Hyper RED+Deep RED
4: Blue
5: Green
6: Lemon
7: UVA
8: UVB
9: UVC

9	0	0	5
---	---	---	---

RAL CODE
00CE: Anodizing
7016: Anthracite Gray

A	L	D
---	---	---

Product Family Code
ALD: ALKAID

0	0	3	S	M
---	---	---	---	---

Product Power Consumption
003: 3,25 W

Mounting Type
HM: Surface Mounted Chain
SM: Surface
RM: Plastering
AH: Surface Mount Adjustable
Hanger Wire

3	1	2	0	1
---	---	---	---	---

Working Time in Outage
1: 1 hour
3: 3 hours

Pictogram
P1:
P2:
P3:
P4:

Number of Direction
1: Single
2: Double

Automation Type
1: ON/OFF
3: DALI
4: KNX
6: BT
7: RF
8: LORA
9: WI-FI

7	6	5
---	---	---

CRI
7: 70 CRI

CCT
65: 6500K

2	4	C	E
---	---	---	---

Visible Distance
20: 20 meters
24: 24meters
30: 30 meters

RAL CODE
00CE: Anodizing
9016: White
9006: Matte Gra

A	L	C
---	---	---

Product Family Code
ALC: ALCOR

0	0	5	S	M
---	---	---	---	---

Product Power Consumption
005: 4,87 W

Mounting Type
SM: Surface
RM: Plastering
HM: Surface Mounted Chain
AH: Surface Mount Adjustable
Hanger Wire

3	1	2	2	1
---	---	---	---	---

Working Time in Outage
1: 1 hour
3: 3 hours

Pictogram
P1:
P2:
P3:
P4:

Number of Direction
1: Single
2: Double

Automation Type
1: ON/OFF
3: DALI
4: KNX
6: BT
7: RF
8: LORA
9: WI-FI

7	6	5
---	---	---

CRI
7: 70 CRI

CCT
65: 6500K

2	4	C	E
---	---	---	---

Visible Distance
20: 20 meters
24: 24meters
30: 30 meters

RAL CODE
00CE: Anodizing
9016: White
9006: Matte Gra

M	N	L
---	---	---

Product Family Code
MOONLIGHT

0	0	1	S	M
---	---	---	---	---

Product Power Consumption
001: 1 W
002: 2 W
003: 3 W
004: 4 W
006: 6 W
008: 8 W

Mounting Type
SM: Surface Mounted
CT: Cable Tray
BB: Busbar
WL: Wall

0	1	2	0	1
---	---	---	---	---

Optic
0120: 120°

Automation Type
1: ON/OFF
3: DALI
8: LORA
9: WI-FI

8	6	5
---	---	---

CRI
7: 70 CRI
8: 80 CRI

CCT
65: 6500K

0	1	E	3
---	---	---	---

OPERATION MODE
01: CONTINUOUS
02: IN THE EMERGENCY

WORKING TIME IN OUTAGE
E1: 1 HOUR
E2: 2 HOURS
E3: 3 HOURS

PRODUCT CODING TEMPLATE

T R T

Product Family Code
TRT: TRITON

0 0 9 S M

Product Power Consumption
001: 1 W
002: 2 W
003: 3 W
004: 4 W
006: 6 W
008: 8 W

Mounting Type
SM: Surface Mounted
CT: Cable Tray
BB: Busbar
WL: Wall

0 1 2 0 1

Optic
0120: 120°

Automation Type
1: ON/OFF
3: DALI
8: LORA
9: WI-FI

8 6 5

CRI
7: 70 CRI
8: 80 CRI

CCT
65: 6500K

0 2 E 3

OPERATION MODE
01: CONTINUOUS
02: IN THE EMERGENCY

WORKING TIME IN OUTAGE
E1: 1 HOUR
E2: 2 HOURS
E3: 3 HOURS

S K Y

Product Family Code
SKY: SKYSTAR

0 3 0 D M

Product Power Consumption
030: 30 W
050: 50 W
060: 60 W
080: 80 W
100: 100 W
120: 120 W
150: 150 W
180: 180 W
250: 250 W
320: 320 W

Mounting Type
DM: Pole Mount
WL: Wall Mount

A S Y 1 2

Optic
ASY1: TYPE 1
ASY2: TYPE 2
ASY3: TYPE 3
ASY4: TYPE 4
ASY5: TYPE 5

Automation Type
1: ON/OFF
2: 1-10V
3: DALI
4: KNX
5: TRIAC
6: BT
7: RF
8: LORA
9: WI-FI

8 5 0

CRI
7: 70 CRI
8: 80 CRI
9: 90 CRI

CCT
22: 2200K
30: 3000K
40: 4000K
50: 5000K
65: 6500K

7 0 1 6

RAL CODE
7016: Anthracite Gray
9006: Light Gray

M S A

Product Family Code
MSA: MEISSA

0 2 0 D M

Product Power Consumption
020: 20 W
030: 30 W
032: 32 W
040: 40 W
041: 41 W
050: 50 W
051: 51 W
060: 60 W
070: 70 W
080: 80 W
091: 91 W
100: 100 W
102: 102 W
113: 113 W
120: 120 W
122: 122 W
132: 132 W
139: 139 W
150: 150 W
152: 152 W

Mounting Type
DM: Direct Mounting
WL: Wall Mounting

A S Y 1 2

Optics
ASY1: TYPE 1
ASY2: TYPE 2
ASY3: TYPE 3
ASY4: TYPE 4
ASY5: TYPE 5

Automation Type
1: ON/OFF
2: 1-10V
3: DALI
4: KNX
5: TRIAC
6: BT
7: RF
8: LORA
9: WI-FI

7 4 0

CRI
7: 70 CRI
8: 80 CRI
9: 90 CRI

CCT
22: 2200K
30: 3000K
40: 4000K
50: 5000K
65: 6500K

9 0 0 6

RAL CODE
7016: Anthracite Gray
9006: Light Gray

U R S

Product Family Code
URS: URSA-M

0 3 0 D M

Product Power Consumption
030: 30 W
040: 40 W
050: 50 W

Mounting Type
DM Pole Mount
WL: Wall Mount

A S Y 1 2

Optic
ASY1: TYPE 1
ASY2: TYPE 2
ASY3: TYPE 3
ASY4: TYPE 4
ASY5: TYPE 5

Automation Type
1: ON/OFF
2: 1-10V
3: DALI
4: KNX
5: TRIAC
6: BT
7: RF
8: LORA
9: WI-FI

8 6 5

CRI
7: 70 CRI
8: 80 CRI
9: 90 CRI

CCT
22: 2200K
30: 3000K
40: 4000K
50: 5000K
65: 6500K

7 0 1 6

RAL CODE
7016: Anthracite Gray
9006: Light Gray

P L R

Product Code
PLR: POLARIS

0 1 6 D M

Product Power Consumption
016: 16 W
032: 32 W
048: 48 W
064: 64 W

Mounting Type
DM Pole Mount
WL: Wall Mount

A S Y 1 2

Optic
ASY1: TYPE3

Automation Type
1: ON/OFF
2: 1-10V
3: DALI
4: KNX
5: TRIAC
6: BT
7: RF
8: LORA
9: WI-FI

8 6 5

CRI
7: 70 CRI
8: 80 CRI
9: 90 CRI

CCT
30: 3000K
40: 4000K
50: 5000K
65: 6500K

7 0 1 6

RAL CODE
9006: Light Gray
7016: Anthracite Gray

PRODUCT CODING TEMPLATE

AKILLI ŞEHİRLER İÇİN AĞ GEÇİTLERİ - GATEWAY FOR SMART CITY LIGHTING

S	C	L	2	0	0	6	6	2	3	2	0	8	8	6	8	9	0	0	6			
Product Family Code SCL : Smart City Lighting Systems SCL : Akıllı Şehir Aydınlatma Sistemi			Number of Groups Managed 200 : 200 Armature			Protection Class 66: IP66			Dimension 2320: 23cm X 20cm				Automation Type 1: ON/OFF 2: 1-10V 3: DALI 4: KNX 5: TRIAC 6: BT 7: RF 8: LORA 9: WI-FI			Operating Frequency 433: 433 Mhz 470: 470 Mhz 868: 868 Mhz 915: 915 Mhz			RAL CODE RAL 9005: Black RAL 9006: Gray			

AKILLI ŞEHİRLER İÇİN AĞ GEÇİTLERİ - GATEWAY FOR SMART CITY LIGHTING

S	C	L	2	0	0	6	6	2	3	2	0	8	8	6	8	9	0	0	6			
Product Family Code SCL : Smart City Lighting Systems SCL : Akıllı Şehir Aydınlatma Sistemi			Number of Groups Managed 200 : 200 Armature			Protection Class 66: IP66			Dimension 2320: 23cm X 20cm				Automation Type 1: ON/OFF 2: 1-10V 3: DALI 4: KNX 5: TRIAC 6: BT 7: RF 8: LORA 9: WI-FI			Operating Frequency 433: 433 Mhz 470: 470 Mhz 868: 868 Mhz 915: 915 Mhz			RAL CODE RAL 9005: Black RAL 9006: Gray			

NEMA SOKETLER - NEMA SOCKETS

S	C	L	N	M	0	1	3	6	6	1	9	1	0	0	0	9	0	0	5		
Product Family Code SCL : Smart City Lighting Systems SCL : Akıllı Şehir Aydınlatma Sistemi			Compatible Nema Socket NM01: Nema Socket NM01			Pin Count 3: 3 Pin (On/Off) 5: 5 Pin (1-10V) 7: 7 Pin (DALI)			Dimension 6619: Ø66 x Height 18.8 mm				Automation Type 1: ON/OFF 2: 1-10V 3: DALI			RAL CODE RAL 9005: Black RAL 9006: Gray					

NEMA SOKET KAPAKLARI - NEMA SOCKET COMPATIBLE CAPS

S	C	L	N	M	0	1	3	7	4	4	1	1	0	0	1	9	0	0	5			
Product Family Code SCL : Smart City Lighting Systems SCL : Akıllı Şehir Aydınlatma Sistemi			Compatible Nema Socket NM01: Nema Socket NM01			Pin Count 3: 3 Pin (On/Off)			Dimension 7441: Ø73 x Height 41 mm				Automation Type 1: ON/OFF			Circuit Type 001: Short Circuit/Short Circuit 002: Open Circuit/Open Circuit 003: Photocell/ Photocell			RAL CODE RAL 9005: Black RAL 9006: Gray 3020: Red 5005: Blue			

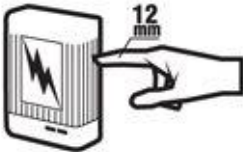
SOLIDS

1



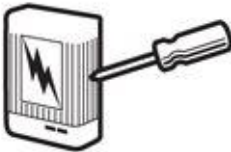
Protected against a solid object greater than 50 mm such as a hand.

2



Protected against a solid object greater than 12.5 mm such as a finger.

3



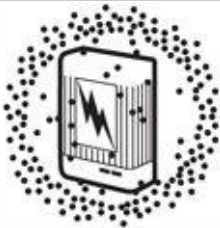
Protected against a solid object greater than 2.5 mm such as a screwdriver.

4



Protected against a solid object greater than 1 mm such as a wire.

5



Dust Protected. Limited ingress of dust permitted. Will not interfere with operation of the equipment. Two to eight hours.

6



Dust tight. No Ingress of dust. Two to eight hours.

Rating Example:

IP65

INGRESS PROTECTION

WATER

1



Protected against vertically falling drops of water. Limited ingress permitted.

2



Protected against vertically falling drops of water with enclosure tilted up to 15 degrees from the vertical. Limited ingress permitted.

3



Protected against sprays of water up to 60 degrees from the vertical. Limited ingress permitted for three minutes.

4



Protected against water splashed from all directions. Limited ingress permitted.

5



Protected against jets of water. Limited ingress permitted.

6



Water from heavy seas or water projected in powerful jets shall not enter the enclosure in harmful quantities.

7



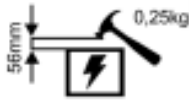





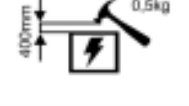

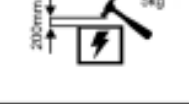

Protection against the effects of immersion in water between 15 cm and 1 m for 30 minutes.

8




















Protection against the effects of immersion in water under pressure for long periods.

HR TESTS AND CLASSIFICATION UNDER IEC 62262 STANDARD FOR LED LUMINAIRES

IK No	Energy		Equivalent impact
00	Non-protected		No protection
01	Protected against 0.14 joules impact		Equivalent to impact of 0.25 kg mass dropped from 56 mm above impacted surface
02	Protected against 0.2 joules impact		Equivalent to impact of 0.25 kg mass dropped from 80 mm above impacted surface
03	Protected against 0.35 joules impact		Equivalent to impact of 0.25 kg mass dropped from 140 mm above impacted surface
04	Protected against 0.5 joules impact		Equivalent to impact of 0.25 kg mass dropped from 200 mm above impacted surface
05	Protected against 0.7 joules impact		Equivalent to impact of 0.25 kg mass dropped from 280 mm above impacted surface
06	Protected against 1 joules impact		Equivalent to impact of 0.25 kg mass dropped from 400 mm above impacted surface
07	Protected against 2 joules impact		Equivalent to impact of 0.25 kg mass dropped from 400 mm above impacted surface
08	Protected against 3 joules impact		Equivalent to impact of 1.7 kg mass dropped from 300 mm above impacted surface
09	Protected against 10 joules impact		Equivalent to impact of 5 kg mass dropped from 200 mm above impacted surface
10	Protected against 20 joules impact		Equivalent to impact of 5 kg mass dropped from 400 mm above impacted surface

INTERNATIONAL SYMBOLS OF ENDORSEMENT

	Requirements 2004/108/EC, 2006/95/EC, 2009/128/EC and 2011/65/EU (RoHS) and CE marking
	RoHS (Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment) summarizes the EU directive 2002/95/EC on the prohibition of certain substances. This directive covers the production and processing of electrical and electronic equipment and components
	The ENEC mark (European Norms Electrical Certification) is a European brand. Confirms that the device for which the conformity and symbol is displayed complies with all requirements.
	Reinforced insulation. (Isolation with additional safety features, such as double or enhanced). The device is designed for use in Class II equipment and does not require any protection grounding
	Standalone LED Driver Sign
	Flammability property. The device can be used on materials made of wood materials.
	Pictogram for temperature-protected devices. The temperature shown indicates the surface temperature in the event of a fault at the maximum rated ambient temperature
	Safe Extra-Low Voltage
	Type of protection (IP20 indoor, IP66 and IP67 outdoor)
	Short-circuit resistant with safety isolation
	Resistant to short circuit without safety isolation
	ESD Protection
	DALI is an acronym for 'Digital Addressable Lighting Interface'. The technical standard that guarantees the interchangeability of dimmable devices is IEC 62386. Building on the well-established benefits of DALI, the DALI-2 program offers significantly improved interoperability and additional functionality with existing DALI systems on the market
	The LED driver is suitable for use in emergency lighting.
	The emergency control gear/LED driver has a built-in self-test function, complies with IEC 62034.
	Eurasian Conformity: Customs union conformity mark (Russia, Kazakhstan, Belarus)
	Use of ready2mains for LED luminaire dimming and configuration over the mains

IMPORTANT STANDARDS TO BE CONTROLLED/FOLLOWED IN LIGHTING FIXTURES

General standards for Lighting Fixtures

TS EN 60598-1:	General requirements for luminaires
TS EN 60598-2-XX(1...25):	Aydınlatma Armatürleri için özel güvenlik standartları
TS EN 62031:	Genel Aydınlatma için LED Modüllerinin Güvenlik Özellikleri
TS IEC TR 62471:	Photobiological Safety Test Standard
TS IEC TR 62778:	IEC 62471 for Blue Light Hazard Assessment application
TS EN 62493:	Regarding people exposed to Electromagnetic Field lighting equipment inspection
TS EN 60529:	Degrees of IP protection provided with enclosures (IP test)
TS EN 62262:	Electrical Equipment against external mechanical impacts Tests for protection (IK test standard)
TS EN 62722-1:	Lighting Fixture Performance standard- General Requirements
TS EN 62722-2-1:	Lighting Fixture Performance standard- Requirements for LED Luminaire
TS EN 60998:	For Low Voltage Circuits Connection schemes General features
IES LM-80-18:	Measurement of Luminous Flux Continuity of LED Light Sources
IES TM 21-11:	Luminous Flux Lifetime Prediction Method of LED Light Sources
IES TM 28-14:	LED Lamp and LED Light Source Luminaires Luminous Flux Continuity Prediction standard

Standards for LED Drivers used in Lighting Fixtures

TS EN 61347-1:	Lamp Control Pattern – General Safety Features
TS EN 61347-2-13:	Special rules for electronic control scheme used for LED Modules (operated with DC and AC Current)
TS EN 62384:	For LED Modules (DC or AC current supply working with) electronic control scheme performance properties
TS EN 55015:	Limit of Radio Frequency Distortion Characteristics Values and Measuring Methods
TS EN 61547:	Devices used for general lighting EMU immunity Rules
*TS EN 61000- X- Y:	Voltage, current, sudden high under EMC tests criteria such as voltage and test parameters and tests shows.



Photometric Measurements of Lighting Fixtures related standards

TS EN 13032-1/2/3/4:	Photometric data of Lighting Fixtures measurement and presentation standard
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Odak R&D and Technology Center Inc.
Susuz Mah. Dempa Cad. No:13
Yenimahalle/ANKARA
Tel:+90 (312) 244 63 25
info@odakarge.com
www.odakarge.com

 **R&D
CENTER**
smart city technologies

  /odakarge
info@odakarge.com

