



GRUPiMAJ

GRITLUX | GRITCON | GRITSOL



PROMOTION

We, Grup İmaj Aydınlatma, have been providing solutions for all lighting needs since 1996 and are one of the leading companies in the lighting sector. Since the day we are founded, we have been continuing to light our living spaces, thanks to our customer-focused manufacturing and progress-based dynamic structure.

With our capacity of manufacturing road lighting fixtures and components, our company, Group İmaj Aydınlatma, is one of the major suppliers of highways, particularly TEDAŞ, as well as municipalities and road authorities abroad. In addition to these, we export to more than 30 countries, particularly in North Africa, the Middle East, and East Europe.

While closely following the technologies of the future, we provide service through our brands in Grup İmaj in order to carry out R&D works and manufacturing activities for products. Our brand, GRITLUX, includes lighting with LED technology that provides economic and environmentally-friendly benefits; GRITCON brand includes innovative products with wire and wireless autonomous management features in the field of Smart Control Technologies; and GRITSOL brand includes our solar systems ensuring the use of natural resources for energy needs.

With Grup İmaj, which is a Turkish brand possessing international certificates, we export domestic products to several countries globally, particularly Europe. While providing our business partners with technical consultancy and project consultancy, we manufacture in two different plants with our professional management staff, our R&D team of 10, and almost 200 personnel.

We, Grup İmaj Aydınlatma, are an R&D-driven technology company that creates solutions with the lowest total cost for customers and offers a "Problem-free approach" to our customers.

MANIFEST

When the sun gives way to the moon and the colorful landscapes surrender to the night, remember the days when you set out on a journey. Every road has a destination, but the best part of the journey is dreaming.

I take a look back; on the roads you have traveled, on the dreams the road has awakened in you. You may have crossed the same road hundreds of times, but each time you looked at the lights illuminating your face it was with different feelings. You thought about what you left behind or where you were going to arrive; you were enlightened on each journey, you became a different version of you.

You have traveled many paths, and even though you were tired, you never gave up. You followed the lights of the night to guide your tomorrow.

Marks of the time accompanied you throughout your journey, you were enchanted by the remains of history. You have gifted the most beautiful smiles, the warmest hugs to the heritage of both your own and that of the world.

Sometimes you were on your own, sometimes you were part of a crowd. You drew strength from those who shared the same story with you, one turned into one thousand. The journey was not yours alone, there were others with you. And from time to time, you let that marvellous energy carry you away.

Throughout all those moments, I was always with you.

Take a look... Haven't we come a long way together? Accompanied by a dream, a warm coffee, a hug, a longing, a belief, a rush, a hand, a might, a thrill...

This journey is a journey of life. All my stories and dreams have grown with you. As it has been for quarter of a century now, may our path continue to be bright, with you, as part of a crowd, together. All the bright roads are ours.

COMPANY

As established in 1996, GRUP IMAJ is one of the leading companies in the lighting industry, providing lighting solutions in terms of Street Lighting Luminaires, Ballasts and Ignitors. Additionally, our production range covers Floodlights, Industrial High-Bay Fixtures, Tunnel Luminaires, Lighting Poles and Smart Lighting Systems. Since the day founded, continuing to illuminate our life with its customer-oriented production, constantly developing and dynamic structure. We manufacture in two different factories with our professional management, research & development team and over 200 staff.

GRUP IMAJ is among the largest suppliers of Turkish Electrical Distribution Corporations (TEDAŞ), Directorate General of Highways and Metropolitan Municipalities with its annual production capacity of over 1.000.000 fixtures under our brands GRITLUX, GRITCON and GRITSOL. As a precious case study, we are proud of illuminating the biggest airport of Europe, the Istanbul Airport. In addition, our international sales network expands over 30 countries that mainly focused on Europe, Middle East and North Africa where we also offer technical consultancy to our business partners.

More than
25 years
experience of light



RESEARCH and DEVELOPMENT

Our products are expected to reach the maximum possible service life. With this in mind, we are committed to using components of the highest quality, made exclusively of age-resistant materials.

Thermal management therefore poses a major challenge during the development process of our luminaires. In addition to the use of high-quality components, we have taken constructive measures to ensure optimum temperature conditions inside the luminaires.

At the same time, electronic protective devices help to prevent the individual components from overheating. We have taken a decidedly conservative approach to temperature control in our luminaires so values remain far below the maximum temperatures for LED modules. Our LED modules are designed for a service life of at least 50,000 operating hours. Depending on the ambient temperature, however, these values may be significantly higher.

+15 new

designs annually

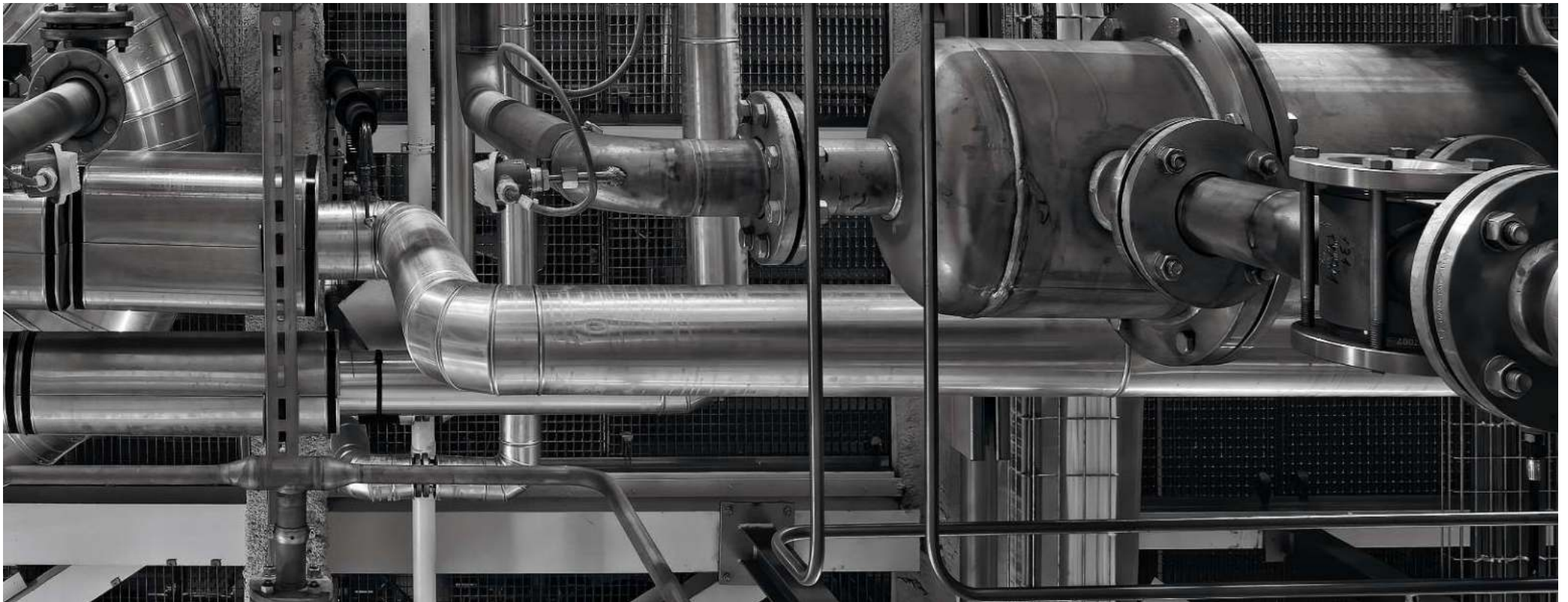


QUALITY and PRODUCTION

The latest standard focuses on processes and customer satisfaction rather than procedures alone, the emphasis being customer satisfaction, process management, measurement and continual improvement. Control of the effectiveness of the Quality Management System is crucial to the business and its customers, that is why it is periodically audited by both internal and external supervisors.

Our Quality Assurance procedures and processes act as a governing guide to actions needed to make sure quality is not compromised and is maintained. We are committed to making continual improvement of its procedures and its processes to improve quality of its products and services.

Over
1 Million
production capacity



CERTIFICATES



Ignitor - CE



Fluorescent Lamp Ballast-CE



Floodlight - CE



Distribution Switchboard - CE



Ballast - CE



Distribution Switchboard Domestic Goods Certificate



Ballast - Domestic Goods Certificate



Floodlight - TSE



Ballast - TSE



Ballast - Hygiene



Luminaire - CE



LED Luminaire - CE



ISO 9001



ISO 14001



ISO 45001



Ignitor - Domestic Goods Certificate



Luminaire - TSE



Luminaire - Hygiene



Luminaire-Domestic Goods Certificate

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Road and Street Luminaires

Proud of supplying 75% annual demand of road and streets under responsibilities of Turkish Electrical Distribution Corporations and Directorate General of Highways.



LUMPERIA





Specifications

Efficacy: 125 - 145 lm/W

Nominal Voltage: 90 - 305 V / 50 - 60 Hz

Power Factor: > 0.95

IEC Protection Class: Class I

Colour Rendering Index (CRI): > 70

Colour Temperature: 2700 - 6500 K

Operating Temperature (Ta): Outdoor -20 °C / +50 °C

Diffuser: 4 mm Tempered Glass

Optic: PMMA

Surge Protection: 6 - 10 kV

Control Protocols: 1-10V DALI ZigBee DMX

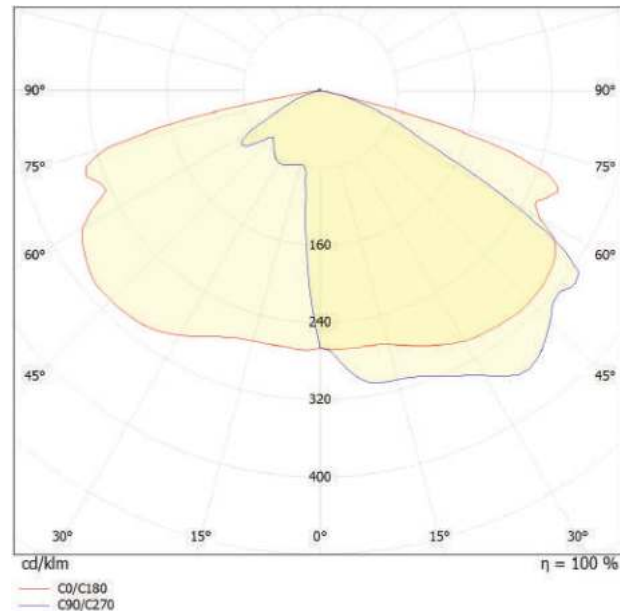
Housing: Die-Cast Aluminum

Tilt Angle: -15° / +15°

Mounting Diameters: Ø42 mm - Ø76 mm

Dimensions and Weight: 675 x 345 x 108 mm / 8.9 kg

Colour Options: All RAL colours



Description

LED Street Lighting Luminaire

Complied Standards:

LM 79-08, LM 80

EN 60598-1:2015+A1:2018

EN 60598-2-13:2006+A1:2012+A2:2016

EN 62262:2002

IEC TR 62778:2014

Applications

- Streets and Roads
- Parks and Car Lots
- Residential Areas
- Industrial Zones
- Railway Stations

Variations

	Nominal Power	Luminous Flux
LUMPERIA 15	15 W	2175 lm
LUMPERIA 30	30 W	4350 lm
LUMPERIA 50	50 W	7250 lm
LUMPERIA 75	75 W	10875 lm
LUMPERIA 100	100 W	14500 lm
LUMPERIA 120	120 W	17400 lm
LUMPERIA 150	150 W	21750 lm
LUMPERIA 175	175 W	25375 lm
LUMPERIA 200	200 W	29000 lm





SHARK NEO





Specifications

Efficacy: 115 - 135 lm/W

Nominal Voltage: 220 - 240 V / 50 - 60 Hz

Power Factor: > 0.95

IEC Protection Class: Class I

Colour Rendering Index (CRI): > 70

Colour Temperature: 2700 - 6500 K

Operating Temperature (Ta): Outdoor -20 °C / +50 °C

Diffuser: 4 mm Tempered Glass

Optic: PMMA

Surge Protection: 6 - 10 kV

Control Protocols: 1-10V DALI ZigBee DMX

Housing: Die-Cast Aluminum

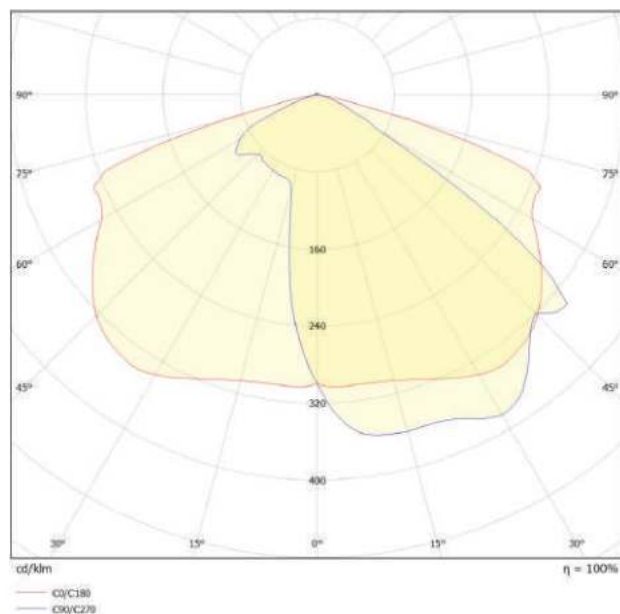
Tilt Angle: -15° / +15°

Mounting Diameters: Ø42 mm - Ø76 mm

Dimensions and Weight: 560 x 253 x 103 mm / 5.2 kg

Colour Options: All RAL colours

Photometric Distribution:



Description

LED Street Lighting Luminaire

Complied Standards:

LM 79-08, LM 80

EN 60598-1:2015+A1:2018

EN 60598-2-13:2006+A1:2012+A2:2016

EN 62262:2002

IEC TR 62778:2014

Applications

- Streets and Roads
- Parks and Car Lots
- Residential Areas
- Industrial Zones
- Railway Stations

Variations

	Nominal Power	Luminous Flux
SHARK NEO 15	15 W	2025 lm
SHARK NEO 30	30 W	4050 lm
SHARK NEO 50	50 W	6750 lm
SHARK NEO 75	75 W	10125 lm
SHARK NEO 100	100 W	13500 lm
SHARK NEO 120	120 W	16200 lm
SHARK NEO 150	150 W	20250 lm





SHARK ECO





Specifications

Efficacy: 115 - 135 lm/W

Nominal Voltage: 220 - 240 V / 50 - 60 Hz

Power Factor: > 0.95

IEC Protection Class: Class I

Colour Rendering Index (CRI): > 70

Colour Temperature: 2700 - 6500 K

Operating Temperature (Ta): Outdoor -20 °C / +50 °C

Diffuser: 4 mm Tempered Glass

Optic: PMMA

Surge Protection: 6 - 10 kV

Control Protocols: 1-10V DALI ZigBee DMX

Housing: Die-Cast Aluminum

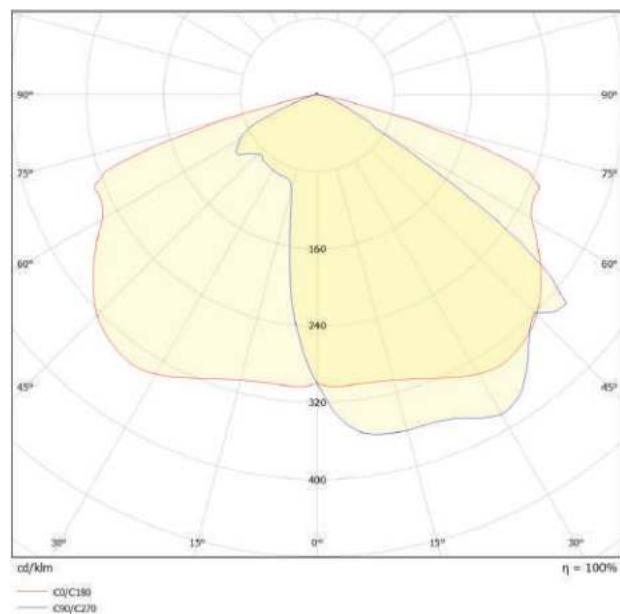
Tilt Angle: -15° / +15°

Mounting Diameters: Ø42 mm - Ø76 mm

Dimensions and Weight: 560 x 253 x 81 mm / 4.8 kg

Colour Options: All RAL colours

Photometric Distribution:



Description

LED Street Lighting Luminaire

Complied Standards:

LM 79-08, LM 80

EN 60598-1:2015+A1:2018

EN 60598-2-13:2006+A1:2012+A2:2016

EN 62262:2002

IEC TR 62778:2014

Applications

- Streets and Roads
- Parks and Car Lots
- Residential Areas
- Industrial Zones
- Railway Stations

Variations

	Nominal Power	Luminous Flux
SHARK ECO 15	15 W	2025 lm
SHARK ECO 30	30 W	4050 lm
SHARK ECO 50	50 W	6750 lm
SHARK ECO 75	75 W	10125 lm
SHARK ECO 100	100 W	13500 lm
SHARK ECO 120	120 W	16200 lm
SHARK ECO 150	150 W	20250 lm





FOX





Specifications

Efficacy: 115 - 135 lm/W

Nominal Voltage: 220 - 240 V / 50 - 60 Hz

Power Factor: > 0.95

IEC Protection Class: Class I

Colour Rendering Index (CRI): > 70

Colour Temperature: 2700 - 6500 K

Operating Temperature (Ta): Outdoor -20 °C / +50 °C

Diffuser: 4 mm Tempered Glass

Optic: PMMA

Surge Protection: 6 - 10 kV

Control Protocols: 1-10V DALI ZigBee DMX

Housing: Die-Cast Aluminum

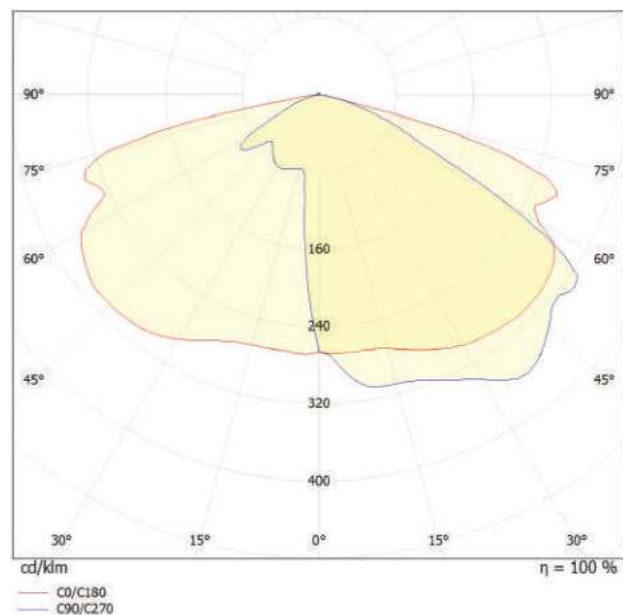
Tilt Angle: -15° / +15°

Mounting Diameters: Ø42 mm - Ø76 mm

Dimensions and Weight: 789 x 370 x 133 mm / 9.7 kg

Colour Options: All RAL colours

Photometric Distribution:



Description

LED Street Lighting Luminaire

Complied Standards:

LM 79-08, LM 80

EN 60598-1:2015+A1:2018

EN 60598-2-13:2006+A1:2012+A2:2016

EN 62262:2002

IEC TR 62778:2014

Applications

- Streets and Roads
- Parks and Car Lots
- Residential Areas
- Industrial Zones

Variations

	Nominal Power	Luminous Flux
FOX 15	15 W	2025 lm
FOX 30	30 W	4050 lm
FOX 50	50 W	6750 lm
FOX 75	75 W	10125 lm
FOX 100	100 W	13500 lm
FOX 120	120 W	16200 lm
FOX 150	150 W	20250 lm
FOX 175	175 W	23625 lm
FOX 200	200 W	27000 lm





TURTLE





Specifications

Efficacy: 115 - 135 lm/W

Nominal Voltage: 220 - 240 V / 50 - 60 Hz

Power Factor: > 0.95

IEC Protection Class: Class I

Colour Rendering Index (CRI): > 70

Colour Temperature: 2700 - 6500 K

Operating Temperature (Ta): Outdoor -20 °C / +50 °C

Diffuser: PMMA

Optic: PMMA

Surge Protection: 6 - 10 kV

Control Protocols: 1-10V DALI ZigBee DMX

Housing: Die-Cast Aluminum

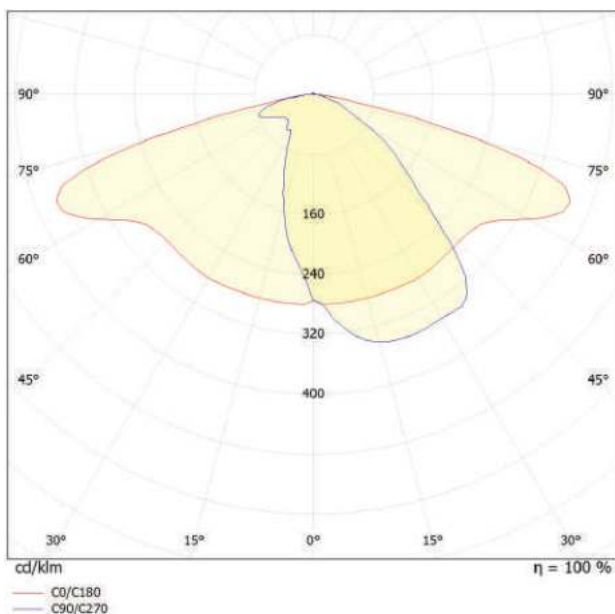
Tilt Angle: -15° / +15°

Mounting Diameters: Ø42 mm - Ø76 mm

Dimensions and Weight: 658 x 295 x 82 mm / 5 kg

Colour Options: All RAL colours

Photometric Distribution:



Description

LED Street Lighting Luminaire

Complied Standards:

LM 79-08, LM 80

EN 60598-1:2015+A1:2018

EN 60598-2-13:2006+A1:2012+A2:2016

EN 62262:2002

IEC TR 62778:2014

Applications

- Streets and Roads
- Parks and Car Lots
- Residential Areas
- Industrial Zones

Variations

	Nominal Power	Luminous Flux
TURTLE 15	15 W	2025 lm
TURTLE 30	30 W	4050 lm
TURTLE 50	50 W	6750 lm
TURTLE 75	75 W	10125 lm
TURTLE 100	100 W	13500 lm
TURTLE 120	120 W	16200 lm

IP66



CB
Scheme



IK08





TURTLE ECO





Specifications

Efficacy: 115 - 135 lm/W

Nominal Voltage: 220 - 240 V / 50 - 60 Hz

Power Factor: > 0.95

IEC Protection Class: Class I

Colour Rendering Index (CRI): > 70

Colour Temperature: 2700 - 6500 K

Operating Temperature (Ta): Outdoor -20 °C / +50 °C

Diffuser: Glass

Optic: Glass

Surge Protection: 6 - 10 kV

Control Protocols: 1-10V DALI ZigBee DMX

Housing: Die-Cast Aluminum

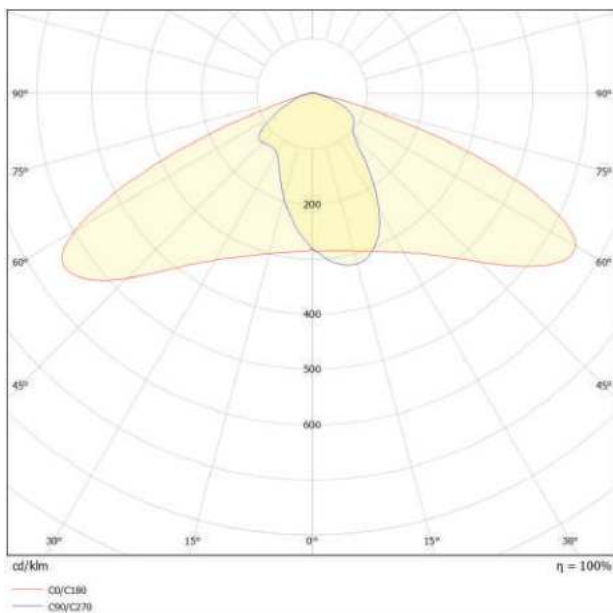
Tilt Angle: -15° / +15°

Mounting Diameters: Ø42 mm - Ø76 mm

Dimensions and Weight: 658 x 295 x 102 mm / 5.5 kg

Colour Options: All RAL colours

Photometric Distribution:



Description

LED Street Lighting Luminaire

Complied Standards:

LM 79-08, LM 80

EN 60598-1:2015+A1:2018

EN 60598-2-13:2006+A1:2012+A2:2016

EN 62262:2002

IEC TR 62778:2014

Applications

- Streets and Roads
- Parks and Car Lots
- Residential Areas
- Industrial Zones
- Railway Stations

Variations

	Nominal Power	Luminous Flux
TURTLE ECO 15	15 W	2025 lm
TURTLE ECO 30	30 W	4050 lm
TURTLE ECO 50	50 W	6750 lm
TURTLE ECO 75	75 W	10125 lm
TURTLE ECO 100	100 W	13500 lm
TURTLE ECO 120	120 W	16200 lm

IP66



CB
Scheme



IK08





WOLF R



Specifications

Efficacy: 115 - 135 lm/W

Nominal Voltage: 90 - 305 V / 50 - 60 Hz

Power Factor: > 0.95

IEC Protection Class: Class I

Colour Rendering Index (CRI): > 70

Colour Temperature: 2700 - 6500 K

Operating Temperature (Ta): Outdoor -20 °C / +50 °C

Diffuser: 4 mm Tempered Glass

Optic: PMMA

Surge Protection: 6 - 10 kV

Control Protocols: 1-10V DALI ZigBee DMX

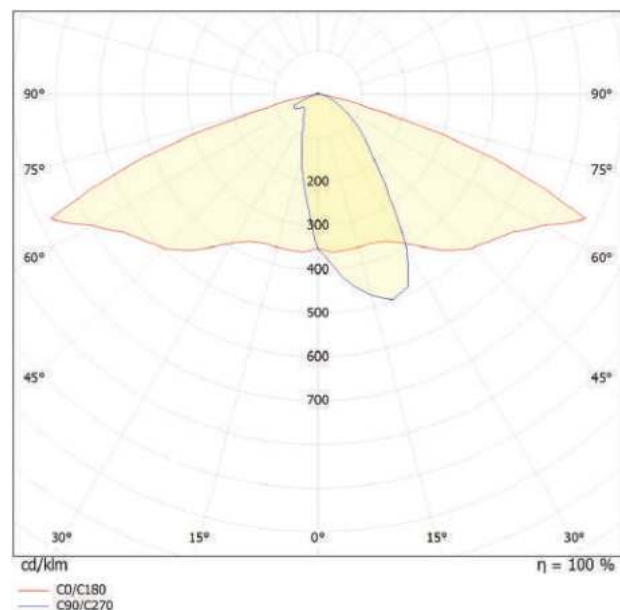
Housing: Aluminum

Tilt Angle: -15° / +15°

Mounting Diameters: Ø42 mm - Ø76 mm

Colour Options: All RAL colours

Photometric Distribution:



Description

LED Street Lighting Luminaire

Complied Standards:

LM 79-08, LM 80

EN 60598-1:2015+A1:2018

EN 60598-2-13:2006+A1:2012+A2:2016






EN 62262:2002

IEC TR 62778:2014

Applications

- Streets and Roads
- Parks and Car Lots
- Residential Areas
- Industrial Zones
- Railway Stations

Variations

		Nominal Power	Luminous Flux	Dimensions and Weight
	WOLF MINI 15 WOLF MINI 30	15 W 30 W	2025 lm 4050 lm	502 x 152 x 138 mm / 3.7 kg
	WOLF MIDI 50 WOLF MIDI 75	50 W 75 W	6750 lm 10125 lm	502 x 192 x 138 mm / 4.8 kg
	WOLF BASE 100 WOLF BASE 120	100 W 120 W	13500 lm 16200 lm	502 x 292 x 138 mm / 5.8 kg
	WOLF MAXI 150 WOLF MAXI 175	150 W 175 W	20250 lm 23625 lm	502 x 392 x 138 mm / 9.3 kg
	WOLF MEGA 200 WOLF MEGA 220 WOLF MEGA 240	200 W 220 W 240 W	27000 lm 29700 lm 32400 lm	502 x 492 x 138 mm / 11.2kg



NS

Specifications

Efficacy (lm/W): 70 - 100 lm/W

Nominal Voltage (V): 220 - 240 V / 50 - 60 Hz

Lamp Holder: E40

IEC Protection Class: Class I

Colour Temperature (K): 2000 K

Colour Rendering Index (CRI) > 25

Operating Temperature (Ta): Outdoor -20 °C / +50 °C

Diffuser: 4 mm Tempered Glass

Optic: Aluminum Reflector

Housing: Die-Cast Aluminum

Mounting Part: Die-Cast Aluminum

Mounting Diameters: Ø42 mm - Ø60 mm

Tilt Angle: -15° / +15°

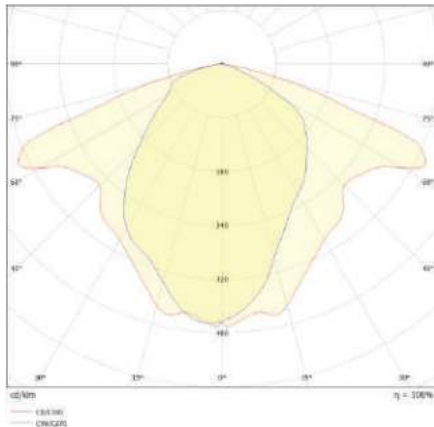
Dimensions and Weight: 766 x 412 x 177 mm / 10 kg

Colour Options: All RAL colours

Description

LED Street Lighting Luminaire

Photometric Distribution:



Complied Standards:

Approved by Turkish General Directorate of Highways

EN 60598-1:2015+A1:2018

EN 60598-2-13:2006+A1:2012+A2:2016

EN 62262:2002

IEC TR 62778:2014

Applications

- Streets and Roads
- Parks and Car Lots
- Residential Areas
- Industrial Zones
- Railway Stations



IP66 CE CB Scheme TSE RoHS IK09 E

Variations

	Nominal Power	Luminous Flux
NS 150	150 W	15000 lm
NS 250	250 W	25000 lm
NS 400	400 W	40000 lm



TSM PP



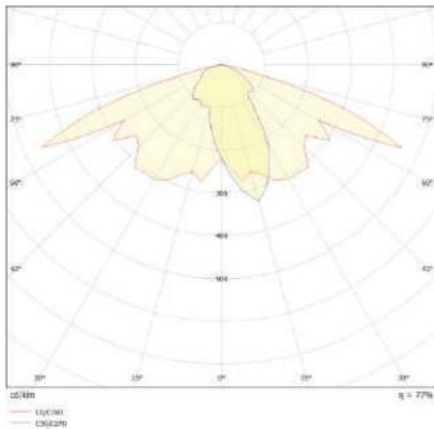
Specifications

Efficacy (lm/W): 70 - 100 lm/W
Nominal Voltage (V): 220 - 240 V / 50 - 60 Hz
Lamp Holder: E40
IEC Protection Class: Class I
Colour Temperature (K): 2000 K
Colour Rendering Index (CRI) > 25
Operating Temperature (Ta): Outdoor -20 °C / +50 °C
Diffuser: 4 mm Tempered Glass
Optic: Aluminum Reflector
Housing: Polypropylene
Mounting Part: Die-Cast Aluminum
Mounting Diameters: Ø42 mm - Ø60 mm
Tilt Angle: -15° / +15°
Dimensions and Weight: 690 x 335 x 160 mm / 6.1 kg

Description

LED Street Lighting Luminaire

Photometric Distribution:



Complied Standards:

Approved by Turkish General Directorate of Highways
EN 60598-1:2015+A1:2018
EN 60598-2-13:2006+A1:2012+A2:2016
EN 62262:2002
IEC TR 62778:2014

Applications

- Streets and Roads
- Parks and Car Lots
- Residential Areas
- Industrial Zones
- Railway Stations

IP65 CE TÜRKÜM ÜRÜNLERİ TÜRKİYE İK08 E

Variations

	Nominal Power	Luminous Flux
TSM PP 150	150 W	15000 lm
TSM PP 250	250 W	25000 lm

TSM

Specifications

Efficacy (lm/W): 70 - 100 lm/W

Nominal Voltage (V): 220 - 240 V / 50 - 60 Hz

Lamp Holder: E40

IEC Protection Class: Class I

Colour Temperature (K): 2000 K

Colour Rendering Index (CRI) > 25

Operating Temperature (Ta): Outdoor -20 °C / +50 °C

Diffuser: 4 mm Tempered Glass

Optic: Aluminum Reflector

Housing: Polymer

Mounting Part: Die-Cast Aluminum

Mounting Diameters: Ø42 mm - Ø60 mm

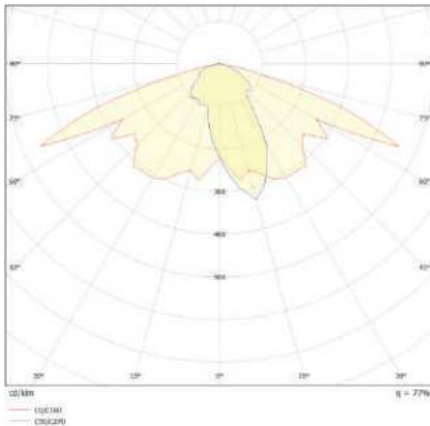
Tilt Angle: -15° / +15°

Dimensions and Weight: 786 x 387 x 185 mm / 9 kg

Description

Street Lighting Luminaire

Photometric Distribution:



Complied Standards:

Approved by Turkish General Directorate of Highways

EN 60598-1:2015+A1:2018

EN 60598-2-13:2006+A1:2012+A2:2016

EN 62262:2002

IEC TR 62778:2014

Applications

- Streets and Roads
- Parks and Car Lots
- Residential Areas
- Industrial Zones
- Railway Stations



IP65 CE TÜRKİYE YERLİ ÜRETİM TÜRKİYE İK08 E

Variations

	Nominal Power	Luminous Flux
TSM 250	250 W	25000 lm
TSM 400	400 W	40000 lm



TSY

Specifications

Efficacy (lm/W): 70 - 100 lm/W

Nominal Voltage (V): 220 - 240 V / 50 - 60 Hz

Lamp Holder: E27

IEC Protection Class: Class I

Colour Temperature (K): 2000 K

Colour Rendering Index (CRI) > 25

Operating Temperature (Ta): Outdoor -20 °C / +50 °C

Diffuser: 4 mm Tempered Glass

Optic: Aluminum Reflector

Housing: Polymer

Mounting Part: Die-Cast Aluminum

Mounting Diameters: Ø42 mm - Ø60 mm

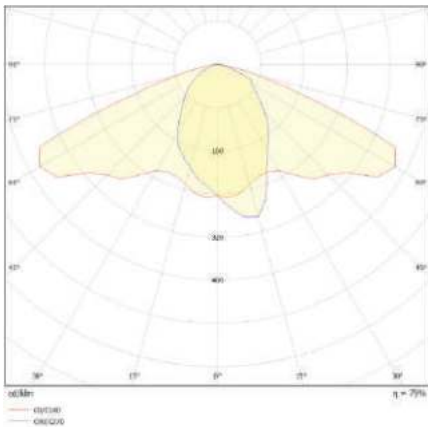
Tilt Angle: -15° / +15°

Dimensions and Weight: 564 x 251 x 131 mm / 3.3 kg

Description

Street Lighting Luminaire

Photometric Distribution:



Complied Standards:

Approved by Turkish General Directorate of Highways

EN 60598-1:2015+A1:2018

EN 60598-2-13:2006+A1:2012+A2:2016

EN 62262:2002

IEC TR 62778:2014

Applications

- Streets and Roads
- Parks and Car Lots
- Residential Areas
- Industrial Zones
- Railway Stations



IP65 CE TSE YERLİ ÜRETİM TÜRKİYE İK08 E

Variations

	Nominal Power	Luminous Flux
TSY 50	50 W	5000 lm
TSY 70	70 W	7000 lm

TSO

Specifications

Efficacy (lm/W): 70 - 100 lm/W

Nominal Voltage (V): 220 - 240 V / 50 - 60 Hz

Lamp Holder: E40

IEC Protection Class: Class I

Colour Temperature (K): 2000 K

Colour Rendering Index (CRI) > 25

Operating Temperature (Ta): Outdoor -20 °C / +50 °C

Diffuser: 4 mm Tempered Glass

Optic: Aluminum Reflector

Housing: Polymer

Mounting Part: Die-Cast Aluminum

Mounting Diameters: Ø42 mm - Ø60 mm

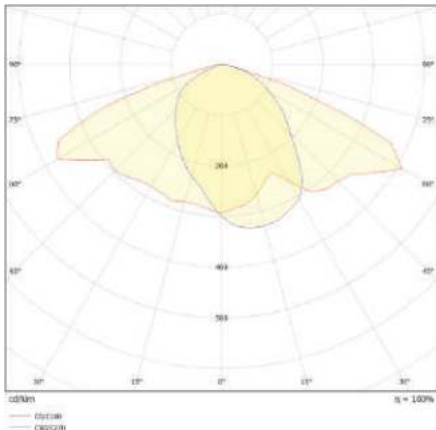
Tilt Angle: -15° / +15°

Dimensions and Weight: 608 x 272 x 141 mm / 3.9 kg

Description

Street Lighting Luminaire

Photometric Distribution:



Complied Standards:

Approved by Turkish General Directorate of Highways

EN 60598-1:2015+A1:2018

EN 60598-2-13:2006+A1:2012+A2:2016

EN 62262:2002

IEC TR 62778:2014

Applications

- Streets and Roads
- Parks and Car Lots
- Residential Areas
- Industrial Zones
- Railway Stations



IP65 CE TÜRKİYE YERLİ ÜRETİM TÜRKİYE İK08 E

Variations

	Nominal Power	Luminous Flux
TSO 100	100 W	10000 lm
TSO 150	150 W	15000 lm



TPY

Specifications

Efficacy (lm/W): 70 - 100 lm/W

Nominal Voltage (V): 220 - 240 V / 50 - 60 Hz

Lamp Holder: E27

IEC Protection Class: Class I

Colour Temperature (K): 2000 K

Colour Rendering Index (CRI) > 25

Operating Temperature (Ta): Outdoor -20 °C / +50 °C

Diffuser: Polycarbonate

Optic: Aluminum Reflector

Housing: Polymer

Mounting Part: Die-Cast Aluminum

Mounting Diameters: Ø42 mm - Ø60 mm

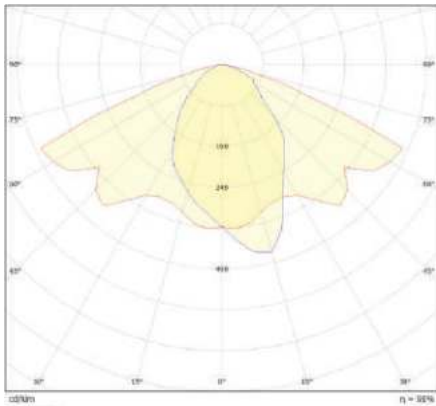
Tilt Angle: -15° / +15°

Dimensions and Weight: 564 x 250 x 172 mm / 3.3 kg

Description

Street Lighting Luminaire

Photometric Distribution:



Complied Standards:

Approved by Turkish General Directorate of Highways

EN 60598-1:2015+A1:2018

EN 60598-2-13:2006+A1:2012+A2:2016

EN 62262:2002

IEC TR 62778:2014

Applications

- Streets and Roads
- Parks and Car Lots
- Residential Areas
- Industrial Zones
- Railway Stations



IP65 CE TÜRKİYE YERLİ ÜRETİM TÜRKİYE İK08 E

Variations

	Nominal Power	Luminous Flux
TPY 50	50 W	5000 lm
TPY 70	70 W	7000 lm

CP



Specifications

Efficacy (lm/W): 70 - 100 lm/W
Nominal Voltage (V): 220 - 240 V / 50 - 60 Hz
Lamp Holder: E40
IEC Protection Class: Class I
Colour Temperature (K): 2000 K
Colour Rendering Index (CRI) > 25
Operating Temperature (Ta): Outdoor -20 °C / +50 °C
Diffuser: Polycarbonate
Optic: Aluminum Reflector
Housing: Polymer
Mounting Part: Die-Cast Aluminum
Mounting Diameters: Ø42 mm - Ø60 mm
Tilt Angle: -15° / +15°
Dimensions and Weight: 711 x 325 x 265 mm / 8 kg

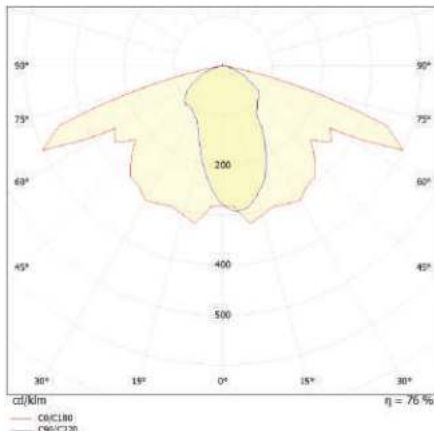
Description

Street Lighting Luminaire



IP65 CE    IK08 

Photometric Distribution:



Complied Standards:

Approved by Turkish General Directorate of Highways
EN 60598-1:2015+A1:2018
EN 60598-2-13:2006+A1:2012+A2:2016
EN 62262:2002
IEC TR 62778:2014

Applications

- Streets and Roads
- Parks and Car Lots
- Residential Areas
- Industrial Zones
- Railway Stations

Variations

	Nominal Power	Luminous Flux
CP 150	150 W	15000 lm
CP 250	250 W	25000 lm
CP 400	400 W	40000 lm



CS

Specifications

Efficacy (lm/W): 70 - 100 lm/W

Nominal Voltage (V): 220 - 240 V / 50 - 60 Hz

Lamp Holder: E40

IEC Protection Class: Class I

Colour Temperature (K): 2000 K

Colour Rendering Index (CRI) > 25

Operating Temperature (Ta): Outdoor -20 °C / +50 °C

Diffuser: 4 mm Tempered Glass

Optic: Aluminum Reflector

Housing: Polymer

Mounting Part: Die-Cast Aluminum

Mounting Diameters: Ø42 mm - Ø60 mm

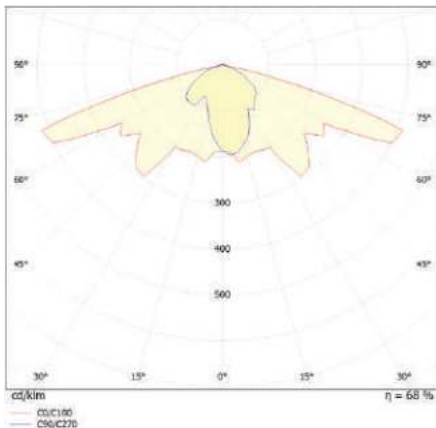
Tilt Angle: -15° / +15°

Dimensions and Weight: 711 x 325 x 174 mm / 8.8 kg

Description

Street Lighting Luminaire

Photometric Distribution:



Complied Standards:

Approved by Turkish General Directorate of Highways

EN 60598-1:2015+A1:2018

EN 60598-2-13:2006+A1:2012+A2:2016

EN 62262:2002

IEC TR 62778:2014

Applications

- Streets and Roads
- Parks and Car Lots
- Residential Areas
- Industrial Zones
- Railway Stations



Variations

	Nominal Power	Luminous Flux
CS 150	150 W	15000 lm
CS 250	250 W	25000 lm
CS 400	400 W	40000 lm

CSY



Specifications

Efficacy (lm/W): 70 - 100 lm/W
Nominal Voltage (V): 220 - 240 V / 50 - 60 Hz
Lamp Holder: E40
IEC Protection Class: Class I
Colour Temperature (K): 2000 K
Colour Rendering Index (CRI) > 25
Operating Temperature (Ta): Outdoor -20 °C / +50 °C
Diffuser: 4 mm Tempered Glass
Optic: Aluminum Reflector
Housing: Polymer
Mounting Part: Die-Cast Aluminum
Mounting Diameters: Ø42 mm - Ø60 mm
Tilt Angle: -15° / +15°
Dimensions and Weight: 700 x 330 x 180 mm / 8.7 kg

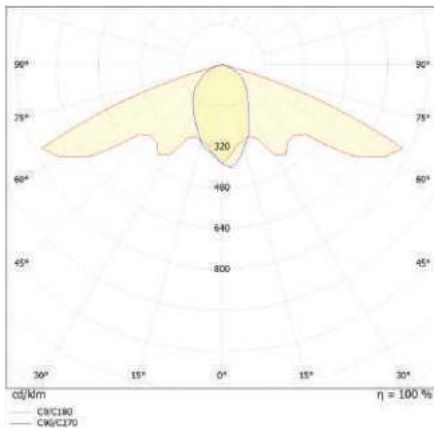
Description

Street Lighting Luminaire



IP65 CE    IK08 

Photometric Distribution:



Complied Standards:

Approved by Turkish General Directorate of Highways
EN 60598-1:2015+A1:2018
EN 60598-2-13:2006+A1:2012+A2:2016
EN 62262:2002
IEC TR 62778:2014

Applications

- Streets and Roads
- Parks and Car Lots
- Residential Areas
- Industrial Zones
- Railway Stations

Variations

	Nominal Power	Luminous Flux
CSY 250	250 W	25000 lm
CSY 400	400 W	40000 lm



CPY

Specifications

Efficacy (lm/W): 70 - 100 lm/W

Nominal Voltage (V): 220 - 240 V / 50 - 60 Hz

Lamp Holder: E40

IEC Protection Class: Class I

Colour Temperature (K): 2000 K

Colour Rendering Index (CRI) > 25

Operating Temperature (Ta): Outdoor -20 °C / +50 °C

Diffuser: Polycarbonate

Optic: Aluminum Reflector

Housing: Polymer

Mounting Part: Die-Cast Aluminum

Mounting Diameters: Ø42 mm - Ø60 mm

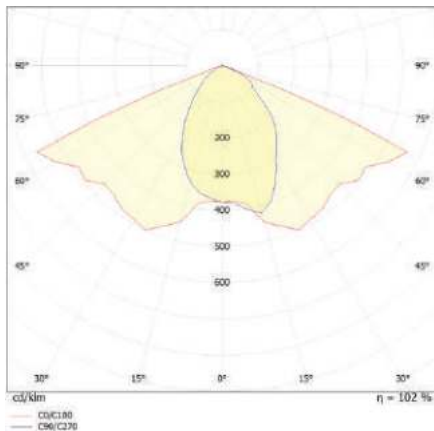
Tilt Angle: -15° / +15°

Dimensions and Weight: 700 x 330 x 265 mm / 8.7 kg

Description

Street Lighting Luminaire

Photometric Distribution:



Complied Standards:

Approved by Turkish General Directorate of Highways

EN 60598-1:2015+A1:2018

EN 60598-2-13:2006+A1:2012+A2:2016

EN 62262:2002

IEC TR 62778:2014

Applications

- Streets and Roads
- Parks and Car Lots
- Residential Areas
- Industrial Zones
- Railway Stations



IP65 CE    IK08 

Variations

	Nominal Power	Luminous Flux
CPY 250	250 W	25000 lm
CPY 400	400 W	40000 lm

MS



Specifications

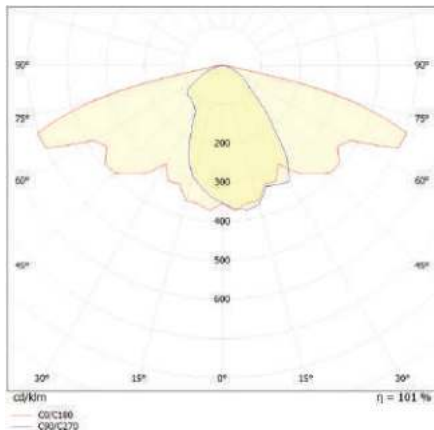
Efficacy (lm/W): 70 - 100 lm/W
Nominal Voltage (V): 220 - 240 V / 50 - 60 Hz
Lamp Holder: E27
IEC Protection Class: Class I
Colour Temperature (K): 2000 K
Colour Rendering Index (CRI) > 25
Operating Temperature (Ta): Outdoor -20 °C / +50 °C
Diffuser: 4 mm Tempered Glass
Optic: Aluminum Reflector
Housing: Polymer
Mounting Part: Die-Cast Aluminum
Mounting Diameters: Ø42 mm - Ø60 mm
Tilt Angle: -15° / +15°
Dimensions and Weight: 558 x 279 x 139 mm / 4.6 kg

Description

Street Lighting Luminaire



Photometric Distribution:



Complied Standards:

Approved by Turkish General Directorate of Highways
EN 60598-1:2015+A1:2018
EN 60598-2-13:2006+A1:2012+A2:2016
EN 62262:2002
IEC TR 62778:2014

Applications

- Streets and Roads
- Parks and Car Lots
- Residential Areas
- Industrial Zones
- Railway Stations

Variations

	Nominal Power	Luminous Flux
MS 50	50 W	5000 lm
MS 70	70 W	7000 lm
MS 100	100 W	10000 lm



MP



Specifications

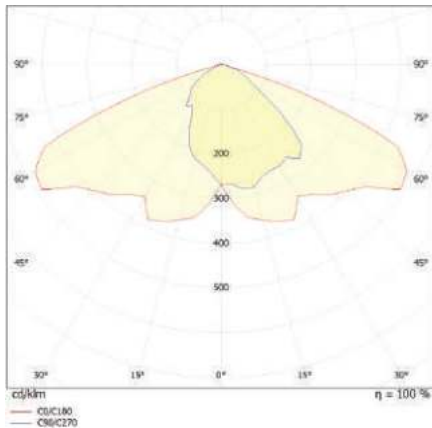
Efficacy (lm/W): 70 - 100 lm/W
Nominal Voltage (V): 220 - 240 V / 50 - 60 Hz
Lamp Holder: E27
IEC Protection Class: Class I
Colour Temperature (K): 2000 K
Colour Rendering Index (CRI) > 25
Operating Temperature (Ta): Outdoor -20 °C / +50 °C
Diffuser: Polycarbonate
Optic: Aluminum Reflector
Housing: Polymer
Mounting Part: Die-Cast Aluminum
Mounting Diameters: Ø42 mm - Ø60 mm
Tilt Angle: -15° / +15°
Dimensions and Weight: 558 x 279 x 175 mm / 4.2 kg

Description

Street Lighting Luminaire



Photometric Distribution:



Complied Standards:

Approved by Turkish General Directorate of Highways
EN 60598-1:2015+A1:2018
EN 60598-2-13:2006+A1:2012+A2:2016
EN 62262:2002
IEC TR 62778:2014

Applications

- Streets and Roads
- Parks and Car Lots
- Residential Areas
- Industrial Zones
- Railway Stations

Variations

	Nominal Power	Luminous Flux
MP 50	50 W	5000 lm
MP 70	70 W	7000 lm
MP 100	100 W	10000 lm

HP

Specifications

Efficacy (lm/W): 70 - 100 lm/W

Nominal Voltage (V): 220 - 240 V / 50 - 60 Hz

Lamp Holder: E27

IEC Protection Class: Class I

Colour Temperature (K): 2000 K

Colour Rendering Index (CRI) > 25

Operating Temperature (Ta): Outdoor -20 °C / +50 °C

Diffuser: Polycarbonate

Optic: Aluminum Reflector

Housing: Polymer

Mounting Part: Die-Cast Aluminum

Mounting Diameters: Ø42 mm - Ø60 mm

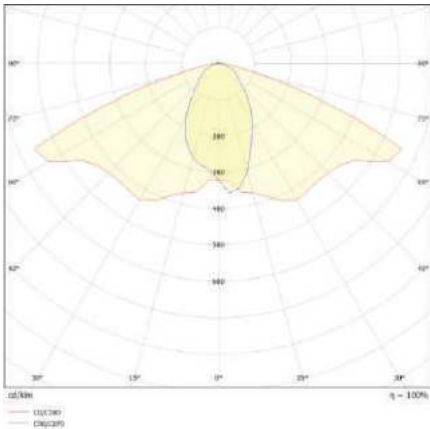
Tilt Angle: -15° / +15°

Dimensions and Weight: 550 x 275 x 173 mm / 4.2 kg

Description

Street Lighting Luminaire

Photometric Distribution:



Complied Standards:

Approved by Turkish General Directorate of Highways

EN 60598-1:2015+A1:2018

EN 60598-2-13:2006+A1:2012+A2:2016

EN 62262:2002

IEC TR 62778:2014

Applications

- Streets and Roads
- Parks and Car Lots
- Residential Areas
- Industrial Zones
- Railway Stations



Variations

	Nominal Power	Luminous Flux
HP 50	50 W	5000 lm
HP 70	70 W	7000 lm



AS

Specifications

Efficacy (lm/W): 70 - 100 lm/W

Nominal Voltage (V): 220 - 240 V / 50 - 60 Hz

Lamp Holder: E40

IEC Protection Class: Class I

Colour Temperature (K): 2000 K

Colour Rendering Index (CRI) > 25

Operating Temperature (Ta): Outdoor -20 °C / +50 °C

Diffuser: Glass

Optic: Aluminum Reflector

Housing: Aluminium Pressed Body

Mounting Part: Die-Cast Aluminum

Mounting Diameters: Ø42 mm - Ø60 mm

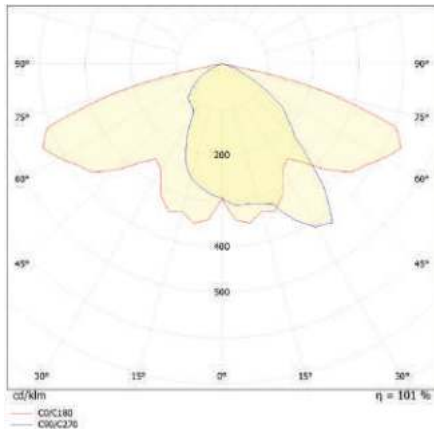
Tilt Angle: -15° / +15°

Dimensions and Weight: 697 x 340 x 205 mm / 8.1 kg

Description

Street Lighting Luminaire

Photometric Distribution:



Complied Standards:

Approved by Turkish General Directorate of Highways

EN 60598-1:2015+A1:2018

EN 60598-2-13:2006+A1:2012+A2:2016

EN 62262:2002

IEC TR 62778:2014

Applications

- Streets and Roads
- Parks and Car Lots
- Residential Areas
- Industrial Zones
- Railway Stations



IP65 CE    IK08 

Variations

	Nominal Power	Luminous Flux
AS 250	250 W	25000 lm
AS 400	400 W	40000 lm

TPM

Specifications

Efficacy (lm/W): 70 - 100 lm/W

Nominal Voltage (V): 220 - 240 V / 50 - 60 Hz

Lamp Holder: E40

IEC Protection Class: Class I

Colour Temperature (K): 2000 K

Colour Rendering Index (CRI) > 25

Operating Temperature (Ta): Outdoor -20 °C / +50 °C

Diffuser: Polycarbonate

Optic: Aluminum Reflector

Housing: Polymer

Mounting Part: Die-Cast Aluminum

Mounting Diameters: Ø42 mm - Ø60 mm

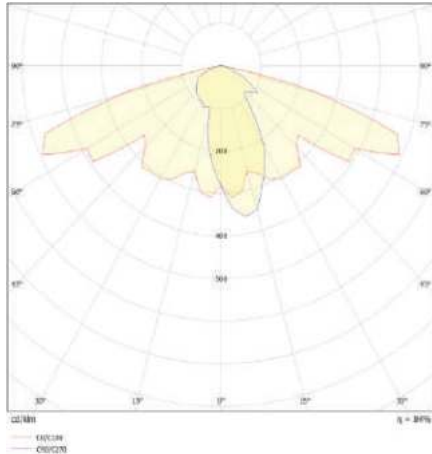
Tilt Angle: -15° / +15°

Dimensions and Weight: 786 x 387 x 278 mm / 9 kg

Description

Street Lighting Luminaire

Photometric Distribution:



Complied Standards:

Approved by Turkish General Directorate of Highways

EN 60598-1:2015+A1:2018

EN 60598-2-13:2006+A1:2012+A2:2016

EN 62262:2002

IEC TR 62778:2014

Applications

- Streets and Roads
- Parks and Car Lots
- Residential Areas
- Industrial Zones
- Railway Stations



Variations

	Nominal Power	Luminous Flux
TPM 250	250 W	25000 lm
TPM 400	400 W	40000 lm



TS

Specifications

Efficacy (lm/W): 70 - 100 lm/W

Nominal Voltage (V): 220 - 240 V / 50 - 60 Hz

Lamp Holder: E27

IEC Protection Class: Class I

Colour Temperature (K): 2000 K

Colour Rendering Index (CRI) > 25

Operating Temperature (Ta): Outdoor -20 °C / +50 °C

Diffuser: 4 mm Tempered Glass

Optic: Aluminum Reflector

Housing: Polymer

Mounting Part: Die-Cast Aluminum

Mounting Diameters: Ø42 mm - Ø60 mm

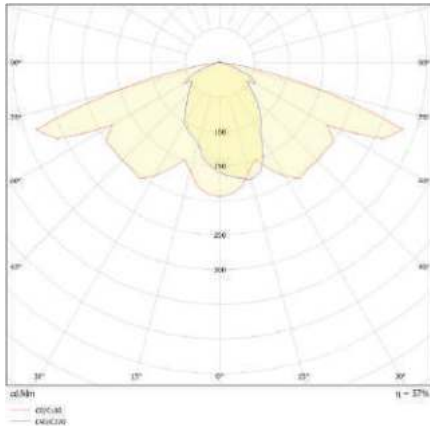
Tilt Angle: -15° / +15°

Dimensions and Weight: 664 x 324 x 149mm / 5.4kg

Description

Street Lighting Luminaire

Photometric Distribution:



Complied Standards:

Approved by Turkish General Directorate of Highways

EN 60598-1:2015+A1:2018

EN 60598-2-13:2006+A1:2012+A2:2016

EN 62262:2002

IEC TR 62778:2014

Applications

- Streets and Roads
- Parks and Car Lots
- Residential Areas
- Industrial Zones
- Railway Stations



Variations

	Nominal Power	Luminous Flux
TS 50	50 W	5000 lm
TS 70	70 W	7000 lm
TS 100	100 W	10000 lm
TS 150	150 W	15000 lm

TP

Specifications

Efficacy (lm/W): 70 - 100 lm/W

Nominal Voltage (V): 220 - 240 V / 50 - 60 Hz

Lamp Holder: E27

IEC Protection Class: Class I

Colour Temperature (K): 2000 K

Colour Rendering Index (CRI) > 25

Operating Temperature (Ta): Outdoor -20 °C / +50 °C

Diffuser: Polycarbonate

Optic: Aluminum Reflector

Housing: Polymer

Mounting Part: Die-Cast Aluminum

Mounting Diameters: Ø42 mm - Ø60 mm

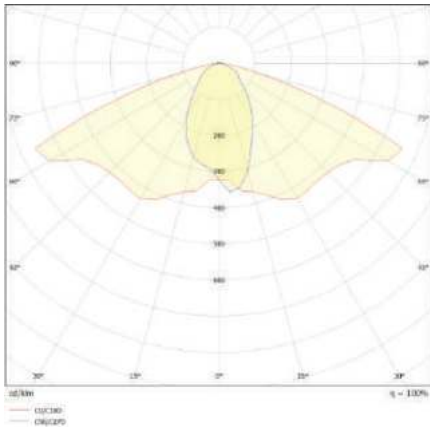
Tilt Angle: -15° / +15°

Dimensions and Weight: 664 x 324 x 200 mm / 5,4 kg

Description

Street Lighting Luminaire

Photometric Distribution:



Complied Standards:

Approved by Turkish General Directorate of Highways

EN 60598-1:2015+A1:2018

EN 60598-2-13:2006+A1:2012+A2:2016

EN 62262:2002

IEC TR 62778:2014

Applications

- Streets and Roads
- Parks and Car Lots
- Residential Areas
- Industrial Zones
- Railway Stations



Variations

	Nominal Power	Luminous Flux
TP 50	50 W	5000 lm
TP 70	70 W	7000 lm
TP 100	100 W	10000 lm
TP 150	150 W	15000 lm



TPO

Specifications

Efficacy (lm/W): 70 - 100 lm/W

Nominal Voltage (V): 220 - 240 V / 50 - 60 Hz

Lamp Holder: E27

IEC Protection Class: Class I

Colour Temperature (K): 2000 K

Colour Rendering Index (CRI) > 25

Operating Temperature (Ta): Outdoor -20 °C / +50 °C

Diffuser: Polycarbonate

Optic: Aluminum Reflector

Housing: Polymer

Mounting Part: Die-Cast Aluminum

Mounting Diameters: Ø42 mm - Ø60 mm

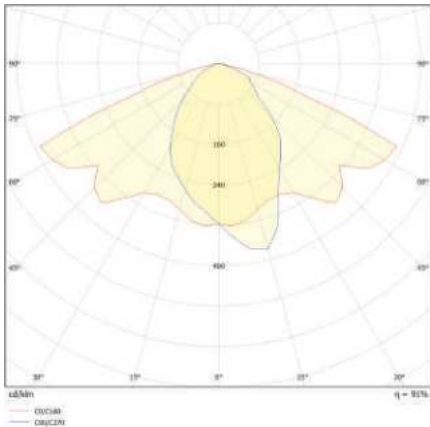
Tilt Angle: -15° / +15°

Dimensions and Weight: 608 x 270 x 189 mm / 3.9 kg

Description

Street Lighting Luminaire

Photometric Distribution:



Complied Standards:

Approved by Turkish General Directorate of Highways

EN 60598-1:2015+A1:2018

EN 60598-2-13:2006+A1:2012+A2:2016

EN 62262:2002

IEC TR 62778:2014

Applications

- Streets and Roads
- Parks and Car Lots
- Residential Areas
- Industrial Zones
- Railway Stations



Variations

	Nominal Power	Luminous Flux
TPO 100	100 W	10000 lm
TPO 150	150 W	15000 lm





Floodlights and Area Luminaires

Our capability in exterior lighting can provide a range of various applications including urban areas, bridges, ports, sports venues, high-mast floodlights, wallwasher and facade lighting.



SHARK ECO F





Specifications

Efficacy: 115 - 135 lm/W

Nominal Voltage: 220 - 240 V / 50 - 60 Hz

Power Factor: > 0.95

IEC Protection Class: Class I

Colour Rendering Index (CRI): > 70

Colour Temperature: 2700 - 6500 K

Operating Temperature (Ta): Outdoor -20 °C / +50 °C

Diffuser: 4 mm Tempered Glass

Optic: PMMA

Surge Protection: 6 - 10 kV

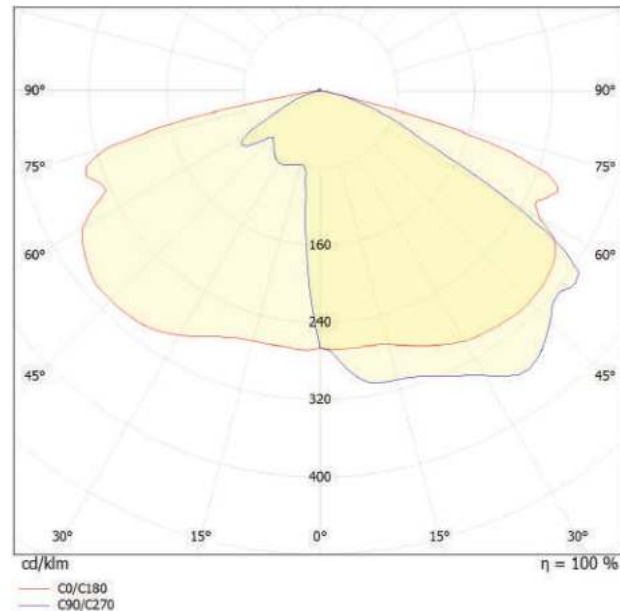
Control Protocols: 1-10V DALI ZigBee DMX

Housing: Die-Cast Aluminum

Tilt Angle: -90° / +90°

Dimensions and Weight: 460 x 253 x 67 mm / 5.1 kg

Colour Options: All RAL colours



Description

LED Floodlight

Complied Standards:

LM 79-08, LM 80

EN 60598-1:2015+A1:2018

EN 60598-2-13:2006+A1:2012+A2:2016

EN 62262:2002

IEC TR 62778:2014

Applications

- Industrial Zones
- Sports Venues
- Parks and Car Lots
- Architectural and Urban
- Bridges and Viaducts
- Residential Areas
- Railway Stations

Variations

	Nominal Power	Luminous Flux
SHARK ECO F 15	15 W	2025 lm
SHARK ECO F 30	30 W	4050 lm
SHARK ECO F 50	50 W	6750 lm
SHARK ECO F 75	75 W	10125 lm
SHARK ECO F 100	100 W	13500 lm
SHARK ECO F 120	120 W	16200 lm
SHARK ECO F 150	150 W	20250 lm





SHARK NEO F





Specifications

Efficacy: 115 - 135 lm/W

Nominal Voltage: 220 - 240 V / 50 - 60 Hz

Power Factor: > 0.95

IEC Protection Class: Class I

Colour Rendering Index (CRI): > 70

Colour Temperature: 2700 - 6500 K

Operating Temperature (Ta): Outdoor -20 °C / +50 °C

Diffuser: 4 mm Tempered Glass

Optic: PMMA

Surge Protection: 6 - 10 kV

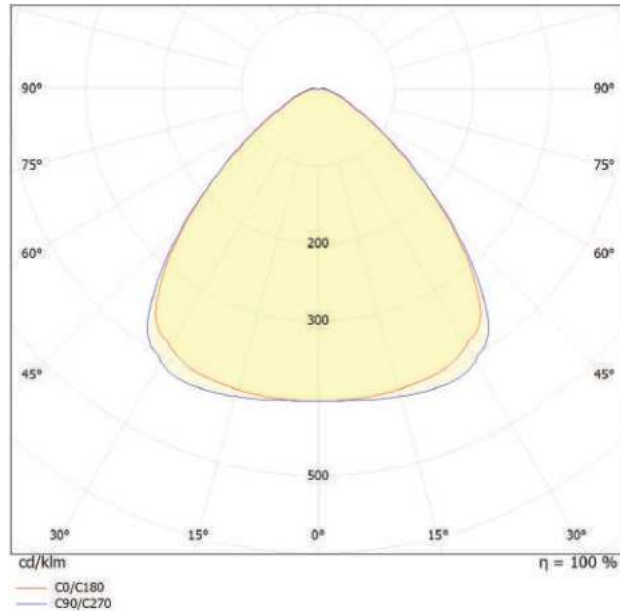
Control Protocols: 1-10V DALI ZigBee DMX

Housing: Die-Cast Aluminum

Tilt Angle: -90° / +90°

Dimensions and Weight: 460 x 253 x 103 mm / 5.5 kg

Colour Options: All RAL colours



Description

LED Floodlight

Complied Standards:

LM 79-08, LM 80

EN 60598-1:2015+A1:2018

EN 60598-2-13:2006+A1:2012+A2:2016

EN 62262:2002

IEC TR 62778:2014

Applications

- Industrial Zones
- Sports Venues
- Parks and Car Lots
- Architectural and Urban
- Bridges and Viaducts
- Residential Areas
- Railway Stations

Variations

	Nominal Power	Luminous Flux
SHARK NEO F 15	15 W	2025 lm
SHARK NEO F 30	30 W	4050 lm
SHARK NEO F 50	50 W	6750 lm
SHARK NEO F 75	75 W	10125 lm
SHARK NEO F 100	100 W	13500 lm
SHARK NEO F 120	120 W	16200 lm
SHARK NEO F 150	150 W	20250 lm





LUMPERIA F





Specifications

Efficacy: 125 - 145 lm/W

Nominal Voltage: 90 - 305 V / 50 - 60 Hz

Power Factor: > 0.95

IEC Protection Class: Class I

Colour Rendering Index (CRI): > 70

Colour Temperature: 2700 - 6500 K

Operating Temperature (Ta): Outdoor -20 °C / +50 °C

Diffuser: 4 mm Tempered Glass

Optic: PMMA

Surge Protection: 6 - 10 kV

Control Protocols: 1-10V DALI ZigBee DMX

Housing: Die-Cast Aluminum

Tilt Angle: -90° / +90°

Dimensions and Weight: 650 x 412 x 82 mm / 9.5 kg

Colour Options: All RAL colours

Description

LED Floodlight

Complied Standards:

LM 79-08, LM 80

EN 60598-1:2015+A1:2018

EN 60598-2-13:2006+A1:2012+A2:2016

EN 62262:2002

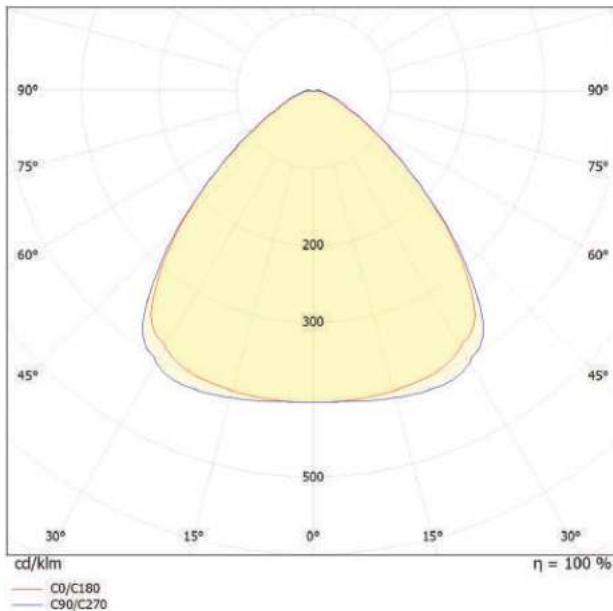
IEC TR 62778:2014

Applications

- Industrial Zones
- Sports Venues
- Parks and Car Lots
- Architectural and Urban
- Bridges and Viaducts
- Residential Areas
- Railway Stations

Variations

	Nominal Power	Luminous Flux
LUMPERIA F 15	15 W	2175 lm
LUMPERIA F 30	30 W	4350 lm
LUMPERIA F 50	50 W	7250 lm
LUMPERIA F 75	75 W	10875 lm
LUMPERIA F 100	100 W	14500 lm
LUMPERIA F 120	120 W	17400 lm
LUMPERIA F 150	150 W	21750 lm
LUMPERIA F 175	175 W	25375 lm
LUMPERIA F 200	200 W	29000 lm





WOLF



Specifications

Efficacy: 115 - 135 lm/W

Nominal Voltage: 220 - 240 V / 50 - 60 Hz

Power Factor: > 0.95

IEC Protection Class: Class I

Colour Rendering Index (CRI): > 70

Colour Temperature: 2700 - 6500 K

Operating Temperature (Ta): Outdoor -20 °C / +50 °C

Diffuser: 4 mm Tempered Glass

Optic: PMMA

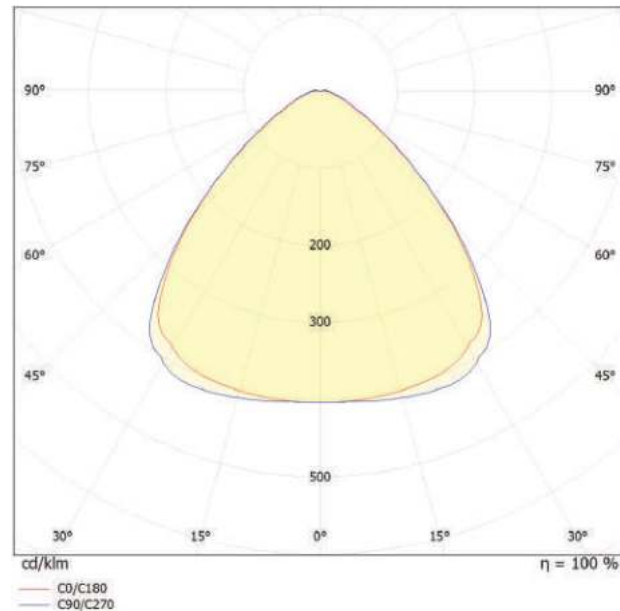
Surge Protection: 6 - 10 kV

Control Protocols: 1-10V DALI ZigBee DMX

Housing: Aluminum

Tilt Angle: -90° / +90°

Colour Options: All RAL colours



Description

LED Floodlight

Complied Standards:

LM 79-08, LM 80

EN 60598-1:2015+A1:2018

EN 60598-2-13:2006+A1:2012+A2:2016





EN 62262:2002

IEC TR 62778:2014

Applications

- Industrial Zones
- Sports Venues
- Parks and Car Lots
- Architectural and Urban
- Bridges and Viaducts
- Residential Areas
- Railway Stations

Variations

		Nominal Power	Luminous Flux	Dimensions and Weight
	WOLF MINI 15 WOLF MINI 30	15 W 30 W	2025 lm 4050 lm	377 x 152 x 122 mm / 3.7 kg
	WOLF MIDI 50 WOLF MIDI 75	50 W 75 W	6750 lm 10125 lm	377 x 192 x 122 mm / 4.8 kg
	WOLF BASE 100 WOLF BASE 120	100 W 120 W	13500 lm 16200 lm	377 x 292 x 122 mm / 5.8 kg
	WOLF MAXI 150 WOLF MAXI 175	150 W 175 W	20250 lm 23625 lm	392 x 377 x 122 mm / 9.3 kg
	WOLF MEGA 200 WOLF MEGA 220 WOLF MEGA 240	200 W 220 W 240 W	27000 lm 29700 lm 32400 lm	502 x 377 x 122 mm / 11.2 kg







Industrial and Tunnel Luminaires

Product family covers many lighting applications composed by suspensions, ceiling and wall fittings to satisfy all norms and regulations.



MODULOCK



Specifications

Efficacy: 115 - 135 lm/W

Nominal Voltage: 220 - 240 V / 50 - 60 Hz

Power Factor: > 0.95

IEC Protection Class: Class I

Colour Rendering Index (CRI): > 70

Colour Temperature: 2700 - 6500 K

Operating Temperature (Ta): Outdoor -20 °C / +50 °C

Diffuser: 4 mm Tempered Glass

Optic: PMMA

Surge Protection: 6 - 10 kV

Control Protocols: 1-10V DALI ZigBee DMX

Housing: Die-Cast Aluminum

Tilt Angle: -90° / +90°

Colour Options: All RAL colours

Description

LED Industrial and Tunnel Lighting Luminaire

Complied Standards:

LM 79-08, LM 80

EN 60598-1:2015+A1:2018

EN 60598-2-13:2006+A1:2012+A2:2016

EN 62262:2002

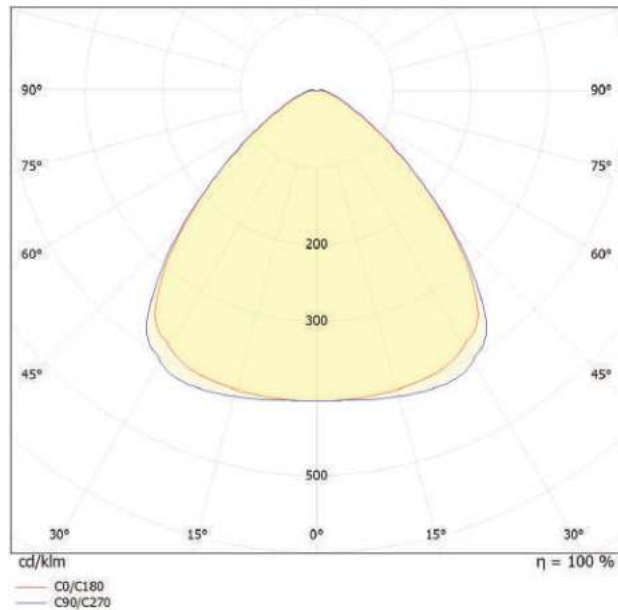
IEC TR 62778:2014

Applications







- Tunnel and Underpass
- Industrial Zones
- Sports Venues
- Parks and Car Lots
- Architectural and Urban
- Bridges and Viaducts
- Residential Areas
- Railway Stations

Applications

- Tunnel and Underpass
- Industrial Zones
- Sports Venues
- Parks and Car Lots
- Architectural and Urban
- Bridges and Viaducts
- Residential Areas
- Railway Stations



Variations

	Nominal Power	Luminous Flux	Dimensions and Weight
 MODULOCK MONO 15 MODULOCK MONO 30 MODULOCK MONO 50 MODULOCK MONO 75 MODULOCK MONO 100 MODULOCK MONO 120 MODULOCK MONO 150	15 W 30 W 50 W 75 W 100 W 120 W 150 W	2025 lm 4050 lm 6750 lm 10125 lm 13500 lm 16200 lm 20250 lm	360 x 345 x 74 mm / 5 kg
 MODULOCK DUO 175 MODULOCK DUO 200 MODULOCK DUO 220 MODULOCK DUO 240 MODULOCK DUO 300	175 W 200 W 220 W 240 W 300 W	23625 lm 27000 lm 29700 lm 32400 lm 40500 lm	660 x 345 x 74 mm / 10 kg
 MODULOCK TRIO 400 MODULOCK TRIO 450	400 W 450 W	54000 lm 60750 lm	970 x 345 x 74 mm / 14 kg
 MODULOCK TETRA 500 MODULOCK TETRA 550 MODULOCK TETRA 600	500 W 550 W 600 W	67500 lm 74250 lm 81000 lm	660 x 625 x 74 mm / 20 kg
 MODULOCK PENTA 700 MODULOCK PENTA 750	700 W 750 W	94500 lm 102500 lm	970 x 625 x 74 mm / 24 kg
 MODULOCK HEXA 800 MODULOCK HEXA 850 MODULOCK HEXA 900	800 W 850 W 900 W	108000 lm 114750 lm 121500 lm	970 x 625 x 74 mm / 28 kg



HAWK



Specifications

Efficacy: 115 - 135 lm/W

Nominal Voltage: 220 - 240 V / 50 - 60 Hz

Power Factor: > 0.95

IEC Protection Class: Class I

Colour Rendering Index (CRI): > 70

Colour Temperature: 2700 - 6500 K

Operating Temperature (Ta): Outdoor -20 °C / +50 °C

Diffuser: PMMA

Optic: PMMA

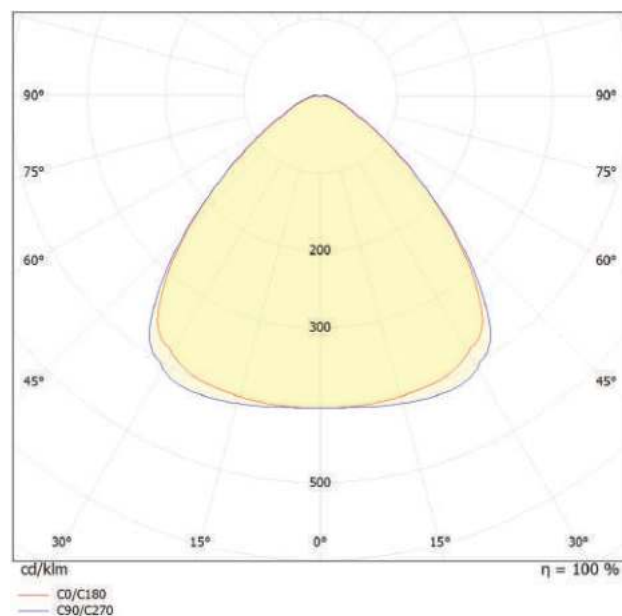
Surge Protection: 6 - 10 kV

Control Protocols: 1-10V DALI ZigBee DMX

Housing: Aluminum

Tilt Angle: -90° / +90°

Colour Options: All RAL colours



Description

LED Floodlight

Complied Standards:

LM 79-08, LM 80

EN 60598-1:2015+A1:2018

EN 60598-2-13:2006+A1:2012+A2:2016

EN 62262:2002

IEC TR 62778:2014

Applications

- Tunnel and Underpass
- Industrial Zones
- Parks and Car Lots
- Architectural and Urban
- Railway Stations

Applications

- Tunnel and Underpass
- Industrial Zones
- Parks and Car Lots
- Architectural and Urban
- Railway Stations



Variations

		Nominal Power	Luminous Flux	Dimensions and Weight
	HAWK MINI 15 HAWK MINI 30	15 W 30 W	2025 lm 4050 lm	296 x 95 x 74 mm / 2,2 kg
	HAWK MIDI 50 HAWK MIDI 75	50 W 75 W	6750 lm 10125 lm	301 x 185 x 74 mm / 3,2 kg
	HAWK LINE 50 HAWK LINE 75 HAWK LINE 100	50 W 75 W 100 W	6750 lm 10215 lm 13500 lm	546 x 95 x 74 mm / 3,2 kg
	HAWK BASE 100 HAWK BASE 120 HAWK BASE 150 HAWK BASE 175	100 W 120 W 150 W 175 W	13500 lm 16200 lm 20250 lm 23625 lm	546 x 185 x 74 mm / 5 kg
	HAWK MAXI 200 HAWK MAXI 220 HAWK MAXI 240 HAWK MAXI 300 HAWK MAXI 350	150 W 220 W 240 W 300 W 350 W	20250 lm 29700 lm 32400 lm 40500 lm 47250 lm	546 x 372 x 74 mm / 10 kg
	HAWK MEGA 400 HAWK MEGA 450	400 W 450 W	54000 lm 60750 lm	559 x 546 x 74 mm / 15 kg
	HAWK ULTRA 500 HAWK ULTRA 550 HAWK ULTRA 600 HAWK ULTRA 650	500 W 550 W 600 W 650 W	67500 lm 74250 lm 81000 lm 87750 lm	746 x 546 x 74 mm / 20 kg
	HAWK TITAN 700 HAWK TITAN 750 HAWK TITAN 800	700 W 750 W 800 W	94500 lm 101250 lm 108000 lm	933 x 546 x 74 mm / 25 kg

VORA



Specifications

Efficacy: 115 - 135 lm/W

Nominal Voltage: 220 - 240 V / 50 - 60 Hz

Power Factor: > 0.95

IEC Protection Class: Class I

Colour Rendering Index (CRI): > 70

Colour Temperature: 2700 - 6500 K

Operating Temperature (Ta): Outdoor -20 °C / +50 °C

Diffuser: Polycarbonate

Optic: Polycarbonate

Surge Protection: 6 - 10 kV

Control Protocols: 1-10V DALI ZigBee DMX

Housing: Polycarbonate

Dimensions and Weight: 1200 x 99 x 75 mm / 1.6 kg

Colour Options: All RAL colours

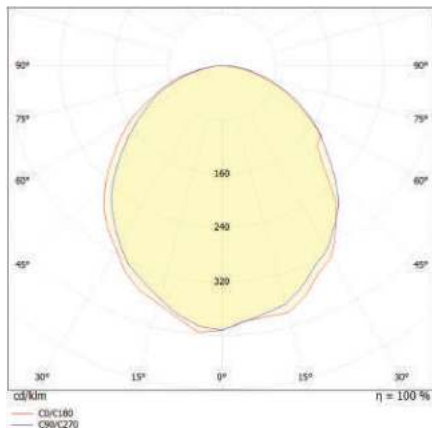


Description

LED Industrial and Tunnel Lighting Luminaire

IP65

Photometric Distribution:



Complied Standards:

LM 79-08, LM 80

EN 60598-1:2015+A1:2018

EN 60598-2-13:2006+A1:2012+A2:2016

EN 62262:2002

IEC TR 62778:2014

Applications

- Tunnel and Underpass
- Industrial Zones
- Parks and Car Lots
- Architectural and Urban
- Railway Stations

Variations

	Nominal Power	Luminous Flux
VORA 20	20 W	2700 lm
VORA 30	30 W	4050 lm
VORA 40	40 W	5400 lm



GUDO



Specifications

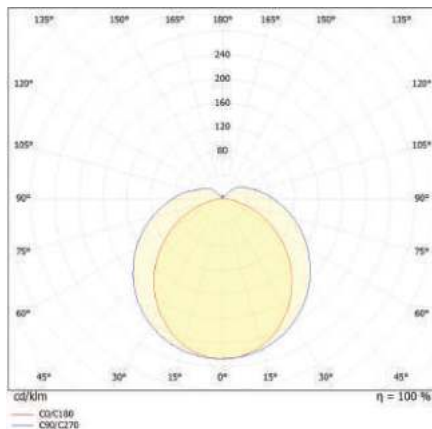
Efficacy: 115 - 135 lm/W
Nominal Voltage: 220 - 240 V / 50 - 60 Hz
Power Factor: > 0.95
IEC Protection Class: Class I
Colour Rendering Index (CRI): > 70
Colour Temperature: 2700 - 6500 K
Operating Temperature (Ta): Outdoor -20 °C / +50 °C
Diffuser: Polycarbonate
Optic: Polycarbonate
Surge Protection: 6 - 10 kV
Control Protocols: 1-10V DALI ZigBee DMX
Housing: Aluminum
Colour Options: All RAL colours

Description

LED Industrial and Tunnel Lighting Luminaire

IP65 CE IK08

Photometric Distribution:



Complied Standards:

LM 79-08, LM 80
 EN 60598-1:2015+A1:2018
 EN 60598-2-13:2006+A1:2012+A2:2016
 EN 62262:2002
 IEC TR 62778:2014

Applications

- Tunnel and Underpass
- Industrial Zones
- Parks and Car Lots
- Architectural and Urban
- Railway Stations

Variations

	Nominal Power	Luminous Flux	Dimensions and Weight
GUDO 20	20 W	2700 lm	880 x 65 x 87 mm / 2.0 kg
GUDO 30	30 W	4050 lm	1160 x 65 x 87 mm / 2.7 kg
GUDO 40	40 W	5400 lm	1160 x 65 x 87 mm / 2.7 kg
GUDO 50	50 W	6750 lm	1440 x 65 x 87 mm / 3.3 kg

ARDU

Specifications

Efficacy: 115 - 135 lm/W

Nominal Voltage: 220 - 240 V / 50 - 60 Hz

Power Factor: > 0.95

IEC Protection Class: Class I

Colour Rendering Index (CRI): > 70

Colour Temperature: 2700 - 6500 K

Operating Temperature (Ta): Outdoor -20 °C / +50 °C

Diffuser: PMMA

Optic: PMMA

Surge Protection: 6 - 10 kV

Control Protocols: 1-10V DALI ZigBee DMX

Housing: Aluminum

Colour Options: All RAL colours

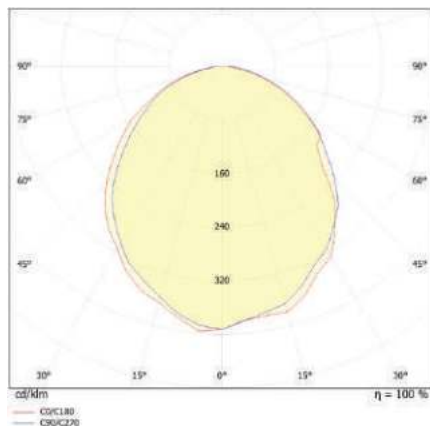
Description

LED Industrial and Tunnel Lighting Luminaire



IP54 CE IK08

Photometric Distribution:



Complied Standards:

LM 79-08, LM 80

EN 60598-1:2015+A1:2018

EN 60598-2-13:2006+A1:2012+A2:2016

EN 62262:2002

IEC TR 62778:2014

Applications

- Tunnel and Underpass
- Industrial Zones
- Parks and Car Lots
- Architectural and Urban
- Railway Stations

Variations

	Nominal Power	Luminous Flux	Dimensions and Weight
ARDU 20	20 W	2700 lm	590 x 100 x 80 mm / 2.2 kg
ARDU 30	30 W	4050 lm	870 x 100 x 80 mm / 2.5 kg
ARDU 40	40 W	5400 lm	1150 x 100 x 80 mm / 2.9 kg
ARDU 50	50 W	6750 lm	1430 x 100 x 80 mm / 3.3 kg
ARDU 60	60 W	8100 lm	1710 x 100 x 80 mm / 3.8 kg



GARDI

Specifications

Efficacy: 115 - 135 lm/W

Nominal Voltage: 220 - 240 V / 50 - 60 Hz

Power Factor: > 0.95

IEC Protection Class: Class I

Colour Rendering Index (CRI): > 70

Colour Temperature: 2700 - 6500 K

Operating Temperature (Ta): Outdoor -20 °C / +50 °C

Diffuser: Tempered Glass

Optic: PMMA

Surge Protection: 6 - 10 kV

Control Protocols: 1-10V DALI ZigBee DMX

Housing: Aluminum

Colour Options: All RAL colours

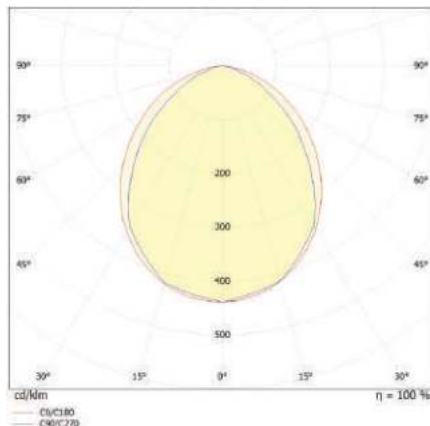
Description

LED Industrial and Tunnel Lighting Luminaire



IP65 CE   IK08 

Photometric Distribution:



Complied Standards:

LM 79-08, LM 80

EN 60598-1:2015+A1:2018

EN 60598-2-13:2006+A1:2012+A2:2016

EN 62262:2002

IEC TR 62778:2014

Applications

- Tunnel and Underpass
- Industrial Zones
- Parks and Car Lots
- Architectural and Urban
- Railway Stations

Variations

	Nominal Power	Luminous Flux	Dimensions and Weight
ARDU 20	20 W	2700 lm	590 x 100 x 80 mm / 2.2 kg
ARDU 30	30 W	4050 lm	870 x 100 x 80 mm / 2.5 kg
ARDU 40	40 W	5400 lm	1150 x 100 x 80 mm / 2.9 kg
ARDU 50	50 W	6750 lm	1430 x 100 x 80 mm / 3.3 kg
ARDU 60	60 W	8100 lm	1710 x 100 x 80 mm / 3.8 kg

GARDI



Specifications

Efficacy: 115 - 135 lm/W

Nominal Voltage: 220 - 240 V / 50 - 60 Hz

Power Factor: > 0.95

IEC Protection Class: Class I

Colour Rendering Index (CRI): > 70

Colour Temperature: 2700 - 6500 K

Operating Temperature (Ta): Outdoor -20 °C / +50 °C

Diffuser: Polycarbonate

Optic: Polycarbonate

Surge Protection: 6 - 10 kV

Control Protocols: 1-10V DALI ZigBee DMX

Housing: Polycarbonate

Dimensions and Weight: 340 x 120 mm / 1.3 kg

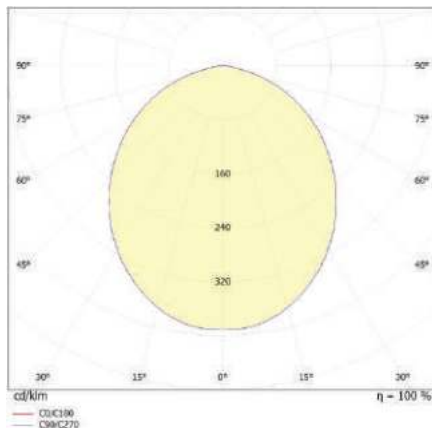
Colour Options: All RAL colours

Description

LED Industrial and Tunnel Lighting Luminaire

IP65 CE   IK08 

Photometric Distribution:



Complied Standards:

LM 79-08, LM 80

EN 60598-1:2015+A1:2018

EN 60598-2-13:2006+A1:2012+A2:2016

EN 62262:2002

IEC TR 62778:2014

Applications

- Tunnel and Underpass
- Industrial Zones
- Parks and Car Lots
- Architectural and Urban
- Railway Stations

Variations

	Nominal Power	Luminous Flux
ERNA 15	15 W	2025 lm
ERNA 25	25 W	3375 lm





Indoor and Office Luminaires

Work places are increasingly shaping everyday and role of lighting as a decisive factor for productive work and motivated employees.

ONJI

Specifications

Efficacy: 100 - 125 lm/W

Nominal Voltage: 220 - 240 V / 50 - 60 Hz

Power Factor: > 0.95

IEC Protection Class: Class I

Colour Rendering Index (CRI): > 80

Colour Temperature: 3000 - 4000 K

Operating Temperature (Ta): -20 °C / +40 °C

Diffuser: PMMA

Optic: PMMA

Control Protocols: 1-10V DALI ZigBee DMX

Housing: Aluminum

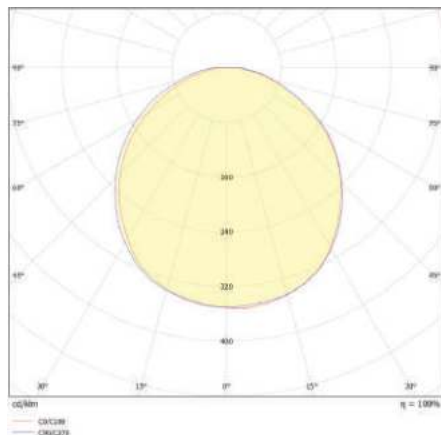
Dimensions and Weight: 1200 x 1200 x 82 mm / 7 kg

Colour Options: RAL 9005, 9006, 9016

Description

LED Indoor and Office Luminaire

Photometric Distribution:



Complied Standards:

LM 79-08, LM 80

EN 60598-1:2015+A1:2018

EN 60598-2-13:2006+A1:2012+A2:2016

EN 62262:2002

IEC TR 62778:2014

Applications

- Offices and Plaza
- Restaurants and Malls
- Hotels and Residences
- Hospitals and Schools
- Airports
- Railway Stations



IP40 CE    IK06 

Variations

	Nominal Power	Luminous Flux
ONJI 100	100 W	12500 lm



BOVO

Specifications

Efficacy: 100 - 125 lm/W

Nominal Voltage: 220 - 240 V / 50 - 60 Hz

Power Factor: > 0.95

IEC Protection Class: Class I

Colour Rendering Index (CRI): > 80

Colour Temperature: 3000 - 4000 K

Operating Temperature (Ta): -20 °C / +40 °C

Diffuser: PMMA

Optic: PMMA

Control Protocols: 1-10V DALI ZigBee DMX

Housing: Aluminum

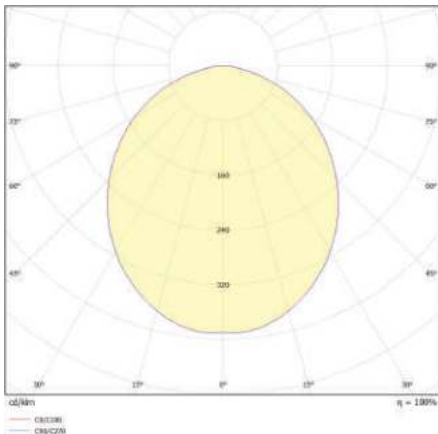
Dimensions and Weight: 1435 x 255 x 82 mm / 3 kg

Colour Options: RAL 9005, 9006, 9016

Description

LED Indoor and Office Luminaire

Photometric Distribution:



Complied Standards:

LM 79-08, LM 80

EN 60598-1:2015+A1:2018

EN 60598-2-13:2006+A1:2012+A2:2016

EN 62262:2002

IEC TR 62778:2014

Applications

- Offices and Plaza
- Restaurants and Malls
- Hotels and Residences
- Hospitals and Schools
- Airports
- Railway Stations



IP40 CE   IK06 

Variations

	Nominal Power	Luminous Flux
BOVO 50	50 W	6250 lm

ERON

Specifications

Efficacy: 100 - 125 lm/W

Nominal Voltage: 220 - 240 V / 50 - 60 Hz

Power Factor: > 0.95

IEC Protection Class: Class I

Colour Rendering Index (CRI): > 80

Colour Temperature: 3000 - 4000 K

Operating Temperature (Ta): -20 °C / +40 °C

Diffuser: PMMA

Optic: PMMA

Control Protocols: 1-10V DALI ZigBee DMX

Housing: Aluminum

Colour Options: RAL 9005, 9006, 9016

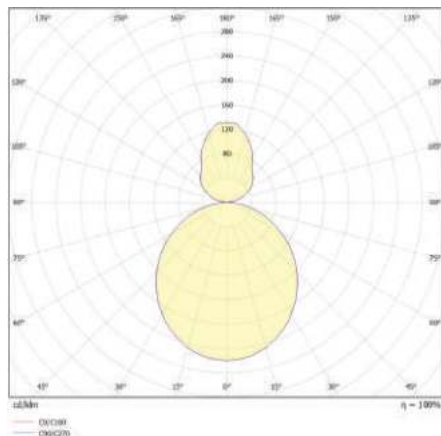
Description

LED Indoor and Office Luminaire



IP40 CE   IK06 

Photometric Distribution:



Complied Standards:

LM 79-08, LM 80

EN 60598-1:2015+A1:2018

EN 60598-2-13:2006+A1:2012+A2:2016

EN 62262:2002

IEC TR 62778:2014

Applications

- Offices and Plaza
- Restaurants and Malls
- Hotels and Residences
- Hospitals and Schools
- Airports
- Railway Stations

Variations

	Nominal Power	Luminous Flux	Dimensions and Weight
ERON 40	40 W	5000 lm	1145 x 108 x 76 mm / 3.2 kg
ERON 50	50 W	6250 lm	1425 x 108 x 76 mm / 4.0 kg



RIMIN

Specifications

Efficacy: 100 - 125 lm/W
Nominal Voltage: 220 - 240 V / 50 - 60 Hz
Power Factor: > 0.95
IEC Protection Class: Class I
Colour Rendering Index (CRI): > 80
Colour Temperature: 3000 - 4000 K
Operating Temperature (Ta): -20 °C / +40 °C
Diffuser: Polycarbonate
Optic: PMMA
Control Protocols: 1-10V DALI ZigBee DMX
Housing: Aluminum
Colour Options: RAL 9005, 9006, 9016

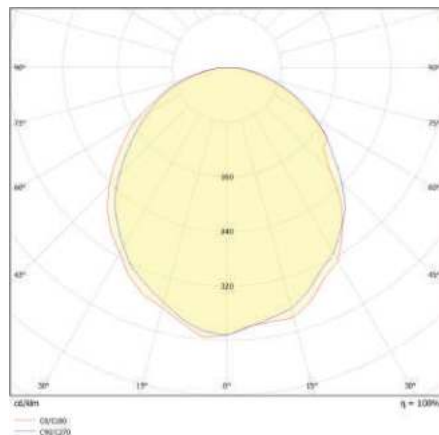
Description

LED Indoor and Office Luminaire



IP40 CE   IK06 

Photometric Distribution:



Complied Standards:

LM 79-08, LM 80
 EN 60598-1:2015+A1:2018
 EN 60598-2-13:2006+A1:2012+A2:2016
 EN 62262:2002
 IEC TR 62778:2014

Applications

- Offices and Plaza
- Restaurants and Malls
- Hotels and Residences
- Hospitals and Schools
- Airports
- Railway Stations

Variations

	Nominal Power	Luminous Flux	Dimensions and Weight
RIMIN 15	15 W	1875 lm	575 x 74 x 45mm / 1.8 kg
RIMIN 20	20 W	2500 lm	855 x 74 x 45 mm / 2.0 kg
RIMIN 30	30 W	3750 lm	1135 x 74 x 45 mm / 2.4 kg
RIMIN 35	35 W	4375 lm	1415 x 74 x 45 mm / 2.8 kg

TIAN

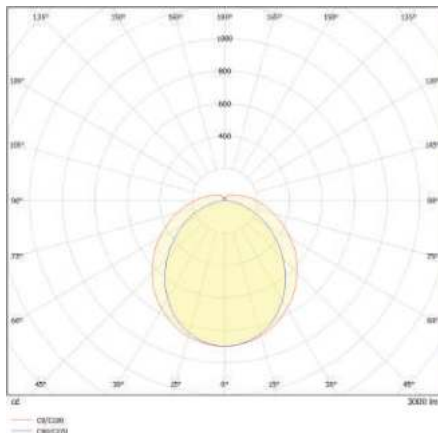
Specifications

Efficacy: 100 - 125 lm/W
Nominal Voltage: 220 - 240 V / 50 - 60 Hz
Power Factor: > 0.95
IEC Protection Class: Class I
Colour Rendering Index (CRI): > 80
Colour Temperature: 3000 - 4000 K
Operating Temperature (Ta): -20 °C / +40 °C
Diffuser: Polycarbonate
Optic: PMMA
Control Protocols: 1-10V DALI ZigBee DMX
Housing: Aluminum
Colour Options: RAL 9005, 9006, 9016

Description

LED Indoor and Office Luminaire

Photometric Distribution:



Complied Standards:

LM 79-08, LM 80
EN 60598-1:2015+A1:2018
EN 60598-2-13:2006+A1:2012+A2:2016
EN 62262:2002
IEC TR 62778:2014

Applications

- Offices and Plaza
- Restaurants and Malls
- Hotels and Residences
- Hospitals and Schools
- Airports
- Railway Stations



IP40 CE   IK06 

Variations

	Nominal Power	Luminous Flux	Dimensions and Weight
TIAN 25	25 W	3125 lm	1133 x 67 x 43 mm / 1.1 kg
TIAN 40	40 W	5000 lm	1680 x 67 x 43 mm / 1.5 kg



VIKA



Specifications

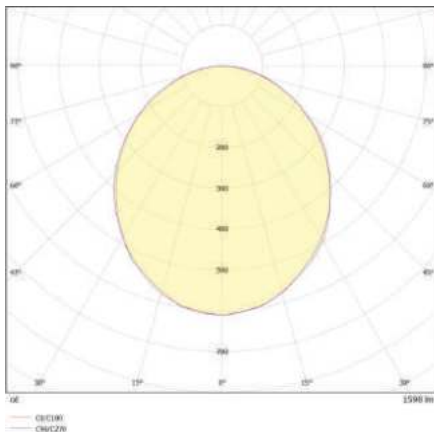
Efficacy: 100 - 125 lm/W
Nominal Voltage: 220 - 240 V / 50 - 60 Hz
Power Factor: > 0.95
IEC Protection Class: Class II
Colour Rendering Index (CRI): > 80
Colour Temperature: 3000 - 4000 K
Operating Temperature (Ta): -20 °C / +40 °C
Diffuser: PMMA
Optic: PMMA
Control Protocols: 1-10V DALI ZigBee DMX
Housing: Aluminum
Dimensions and Weight: 190 x 63 mm / 0,9 kg
Colour Options: RAL 9005, 9006, 9016

Description

LED Indoor and Office Luminaire

IP20 CE   IK06 

Photometric Distribution:



Complied Standards:

LM 79-08, LM 80
 EN 60598-1:2015+A1:2018
 EN 60598-2-13:2006+A1:2012+A2:2016
 EN 62262:2002
 IEC TR 62778:2014

Applications

- Offices and Plaza
- Restaurants and Malls
- Hotels and Residences
- Hospitals and Schools
- Airports
- Railway Stations

Variations

	Nominal Power	Luminous Flux
VIKA 10	10 W	1250 lm
VIKA 20	20 W	2500 lm

VIKA-S



Specifications

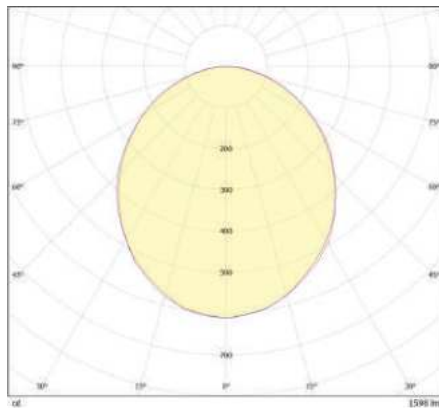
Efficacy: 100 - 125 lm/W
Nominal Voltage: 220 - 240 V / 50 - 60 Hz
Power Factor: > 0.95
IEC Protection Class: Class I
Colour Rendering Index (CRI): > 80
Colour Temperature: 3000 - 4000 K
Operating Temperature (Ta): -20 °C / +40 °C
Diffuser: PMMA
Optic: PMMA
Control Protocols: 1-10V DALI ZigBee DMX
Housing: Aluminum
Dimensions and Weight: 230 x 110 mm / 1,2 kg
Colour Options: RAL 9005, 9006, 9016

Description

LED Indoor and Office Luminaire

IP40 CE   IK06 

Photometric Distribution:



Complied Standards:

LM 79-08, LM 80
EN 60598-1:2015+A1:2018
EN 60598-2-13:2006+A1:2012+A2:2016
EN 62262:2002
IEC TR 62778:2014

Applications

- Offices and Plaza
- Restaurants and Malls
- Hotels and Residences
- Hospitals and Schools
- Airports
- Railway Stations

Variations

	Nominal Power	Luminous Flux
VIKA - S 15	15 W	1875 lm
VIKA - S 25	25 W	3125 lm



LIANO-S

Specifications

Efficacy: 100 - 125 lm/W

Nominal Voltage: 220 - 240 V / 50 - 60 Hz

Power Factor: > 0.95

IEC Protection Class: Class I

Colour Rendering Index (CRI): > 80

Colour Temperature: 3000 - 4000 K

Operating Temperature (Ta): -20 °C / +40 °C

Diffuser: PMMA

Optic: PMMA

Control Protocols: 1-10V DALI ZigBee DMX

Housing: Galvanize

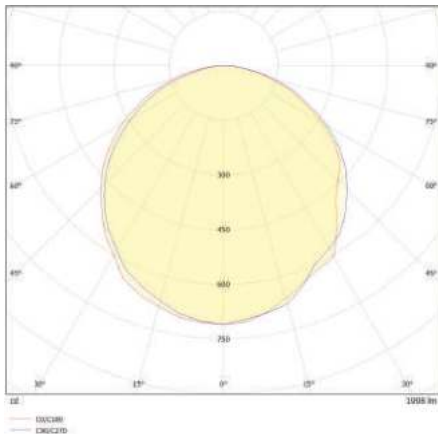
Dimensions and Weight: 240 x 240 x 82 mm / 1,1 kg

Colour Options: RAL 9005, 9006, 9016

Description

LED Indoor and Office Luminaire

Photometric Distribution:



Complied Standards:

LM 79-08, LM 80

EN 60598-1:2015+A1:2018

EN 60598-2-13:2006+A1:2012+A2:2016

EN 62262:2002

IEC TR 62778:2014

Applications

- Offices and Plaza
- Restaurants and Malls
- Hotels and Residences
- Hospitals and Schools
- Airports
- Railway Stations



IP40 CE   IK06 

Variations

	Nominal Power	Luminous Flux
LIANO - S 10	10 W	1250 lm
LIANO - S 20	20 W	2500 lm

LIANO-R

Specifications

Efficacy: 100 - 125 lm/W

Nominal Voltage: 220 - 240 V / 50 - 60 Hz

Power Factor: > 0.95

IEC Protection Class: Class I

Colour Rendering Index (CRI): > 80

Colour Temperature: 3000 - 4000 K

Operating Temperature (Ta): -20 °C / +40 °C

Diffuser: PMMA

Optic: PMMA

Control Protocols: 1-10V DALI ZigBee DMX

Housing: Galvanize

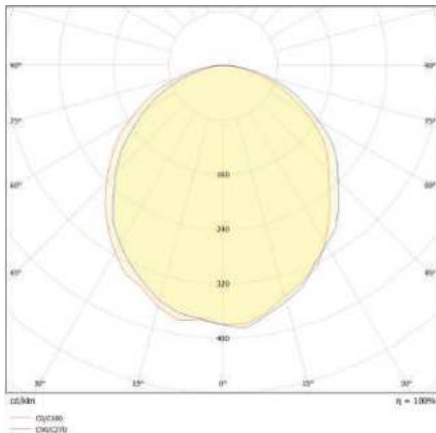
Dimensions and Weight: 175 x 175 x 81 mm / 0,6 kg

Colour Options: RAL 9005, 9006, 9016

Description

LED Indoor and Office Luminaire

Photometric Distribution:



Complied Standards:

LM 79-08, LM 80

EN 60598-1:2015+A1:2018

EN 60598-2-13:2006+A1:2012+A2:2016

EN 62262:2002

IEC TR 62778:2014

Applications

- Offices and Plaza
- Restaurants and Malls
- Hotels and Residences
- Hospitals and Schools
- Airports
- Railway Stations



IP40 CE   IK06 

Variations

	Nominal Power	Luminous Flux
LIANO - R 10	10 W	1250 lm
LIANO - R 20	20 W	2500 lm



VION

Specifications

Efficacy: 100 - 125 lm/W

Nominal Voltage: 220 - 240 V / 50 - 60 Hz

Power Factor: > 0.95

IEC Protection Class: Class I

Colour Rendering Index (CRI): > 80

Colour Temperature: 3000 - 4000 K

Operating Temperature (Ta): -20 °C / +40 °C

Diffuser: PMMA

Optic: PMMA

Control Protocols: 1-10V DALI ZigBee DMX

Housing: Aluminum

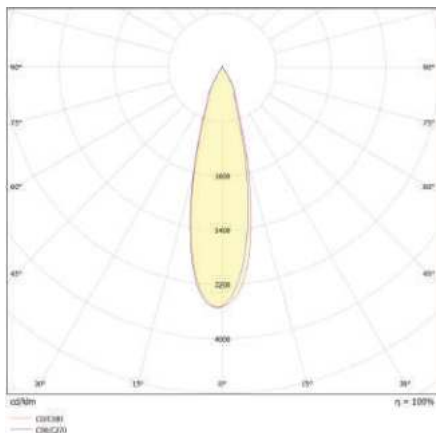
Dimensions and Weight: 241 x 97 mm / 1,2 kg

Colour Options: RAL 9005, 9006, 9016

Description

LED Indoor and Office Luminaire

Photometric Distribution:



Complied Standards:

LM 79-08, LM 80

EN 60598-1:2015+A1:2018

EN 60598-2-13:2006+A1:2012+A2:2016

EN 62262:2002

IEC TR 62778:2014

Applications

- Offices and Plaza
- Restaurants and Malls
- Hotels and Residences
- Hospitals and Schools
- Airports
- Railway Stations



IP20 CE   IK06 

Variations

	Nominal Power	Luminous Flux
VION 20	20 W	2500 lm
VION 30	30 W	3750 lm

SANDO



Specifications

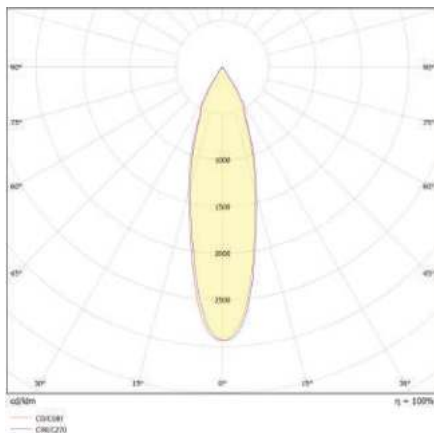
Efficacy: 100 - 125 lm/W
Nominal Voltage: 220 - 240 V / 50 - 60 Hz
Power Factor: > 0.95
IEC Protection Class: Class II
Colour Rendering Index (CRI): > 80
Colour Temperature: 3000 - 4000 K
Operating Temperature (Ta): -20 °C / +50 °C
Diffuser: PMMA
Optic: PMMA
Control Protocols: 1-10V DALI ZigBee DMX
Housing: Aluminum
Dimensions and Weight: 119 x 108 mm / 0,6 kg
Colour Options: RAL 9005, 9006, 9016

Description

LED Indoor and Office Luminaire

IP40 CE   IK06 

Photometric Distribution:



Complied Standards:

LM 79-08, LM 80
EN 60598-1:2015+A1:2018
EN 60598-2-13:2006+A1:2012+A2:2016
EN 62262:2002
IEC TR 62778:2014

Applications

- Offices and Plaza
- Restaurants and Malls
- Hotels and Residences
- Hospitals and Schools
- Airports
- Railway Stations

Variations

	Nominal Power	Luminous Flux
SANDO 20	20 W	2500 lm
SANDO 30	30 W	3750 lm



NELO 30-R



Specifications

Efficacy: 100 - 125 lm/W

Nominal Voltage: 220 - 240 V / 50 - 60 Hz

Power Factor: > 0.95

IEC Protection Class: Class I

Colour Rendering Index (CRI): > 80

Colour Temperature: 3000 - 4000 K

Operating Temperature (Ta): -20 °C / +50 °C

Diffuser: PMMA

Optic: PMMA

Control Protocols: 1-10V DALI ZigBee DMX

Housing: Galvanize

Dimensions and Weight: 295 x 295 x 73 mm / 1,4 kg

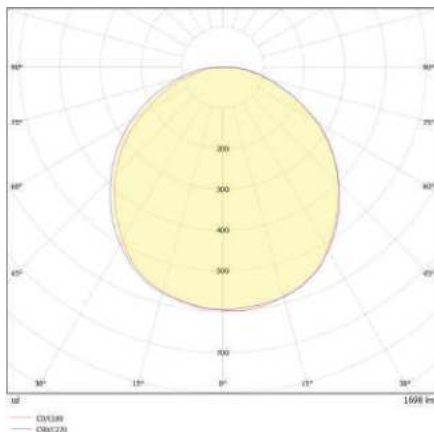
Colour Options: RAL 9005, 9006, 9016

Description

LED Indoor and Office Luminaire

IP40 IK06

Photometric Distribution:



Complied Standards:

LM 79-08, LM 80

EN 60598-1:2015+A1:2018

EN 60598-2-13:2006+A1:2012+A2:2016

EN 62262:2002

IEC TR 62778:2014

Applications

- Offices and Plaza
- Restaurants and Malls
- Hotels and Residences
- Hospitals and Schools
- Airports
- Railway Stations

Variations

	Nominal Power	Luminous Flux
NELO 30 - R 10	10 W	1250 lm
NELO 30 - R 20	20 W	2500 lm

NELO 60-R



Specifications

Efficacy: 100 - 125 lm/W

Nominal Voltage: 220 - 240 V / 50 - 60 Hz

Power Factor: > 0.95

IEC Protection Class: Class I

Colour Rendering Index (CRI): > 80

Colour Temperature: 3000 - 4000 K

Operating Temperature (Ta): -20 °C / +50 °C

Diffuser: PMMA

Optic: PMMA

Control Protocols: 1-10V DALI ZigBee DMX

Housing: Galvanize

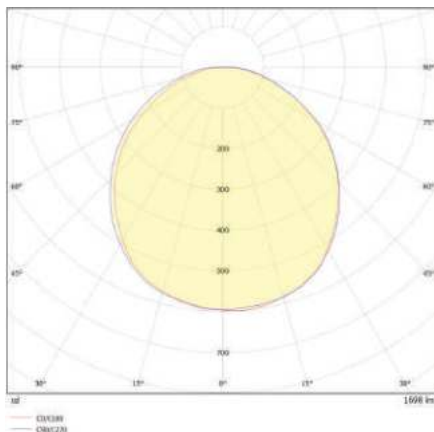
Dimensions and Weight: 595 x 595 x 60 mm / 2.8 kg

Colour Options: RAL 9005, 9006, 9016

Description

LED Indoor and Office Luminaire

Photometric Distribution:



Complied Standards:

LM 79-08, LM 80

EN 60598-1:2015+A1:2018

EN 60598-2-13:2006+A1:2012+A2:2016

EN 62262:2002

IEC TR 62778:2014

Applications

- Offices and Plaza
- Restaurants and Malls
- Hotels and Residences
- Hospitals and Schools
- Airports
- Railway Stations

IP40 CE IK06

Variations

	Nominal Power	Luminous Flux
NELO 60 - R 25	25 W	3125 lm
NELO 60 - R 35	35 W	4375 lm



NELO 120-R



Specifications

Efficacy: 100 - 125 lm/W

Nominal Voltage: 220 - 240 V / 50 - 60 Hz

Power Factor: > 0.95

IEC Protection Class: Class I

Colour Rendering Index (CRI): > 80

Colour Temperature: 3000 - 4000 K

Operating Temperature (Ta): -20 °C / +50 °C

Diffuser: PMMA

Optic: PMMA

Control Protocols: 1-10V DALI ZigBee DMX

Housing: Galvanize

Dimensions and Weight: 1195 x 295 x 73 mm / 3.5 kg

Colour Options: RAL 9005, 9006, 9016

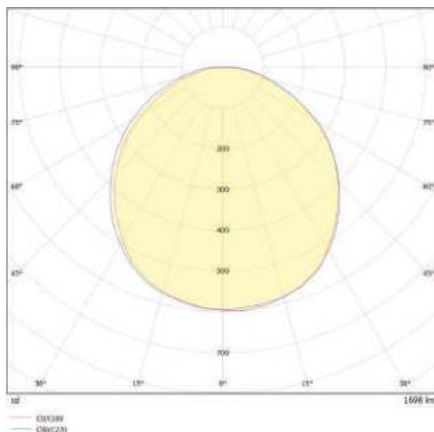
Description

LED Indoor and Office Luminaire



IP40 CE   IK06 

Photometric Distribution:



Complied Standards:

LM 79-08, LM 80

EN 60598-1:2015+A1:2018

EN 60598-2-13:2006+A1:2012+A2:2016

EN 62262:2002

IEC TR 62778:2014

Applications

- Offices and Plaza
- Restaurants and Malls
- Hotels and Residences
- Hospitals and Schools
- Airports
- Railway Stations

Variations

	Nominal Power	Luminous Flux
NELO 120 - R 30	30 W	3750 lm

NELO 30-S



Specifications

Efficacy: 100 - 125 lm/W

Nominal Voltage: 220 - 240 V / 50 - 60 Hz

Power Factor: > 0.95

IEC Protection Class: Class I

Colour Rendering Index (CRI): > 80

Colour Temperature: 3000 - 4000 K

Operating Temperature (Ta): -20 °C / +40 °C

Diffuser: PMMA

Optic: PMMA

Control Protocols: 1-10V DALI ZigBee DMX

Housing: Galvanize

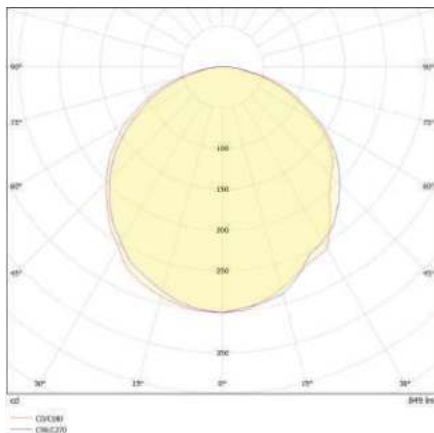
Dimensions and Weight: 330 x 330 x 78 mm / 2 kg

Colour Options: RAL 9005, 9006, 9016

Description

LED Indoor and Office Luminaire

Photometric Distribution:



Complied Standards:

LM 79-08, LM 80

EN 60598-1:2015+A1:2018

EN 60598-2-13:2006+A1:2012+A2:2016

EN 62262:2002

IEC TR 62778:2014

Applications

- Offices and Plaza
- Restaurants and Malls
- Hotels and Residences
- Hospitals and Schools
- Airports
- Railway Stations

IP40 CE   IK06 

Variations

	Nominal Power	Luminous Flux
NELO 30 - S 10	10 W	1250 lm
NELO 30 - S 20	20 W	2500 lm



NELO 60-S



Specifications

Efficacy: 100 - 125 lm/W

Nominal Voltage: 220 - 240 V / 50 - 60 Hz

Power Factor: > 0.95

IEC Protection Class: Class I

Colour Rendering Index (CRI): > 80

Colour Temperature: 3000 - 4000 K

Operating Temperature (Ta): -20 °C / +50 °C

Diffuser: PMMA

Optic: PMMA

Control Protocols: 1-10V DALI ZigBee DMX

Housing: Galvanize

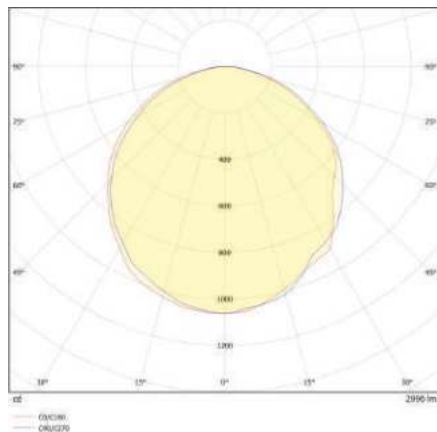
Dimensions and Weight: 630 x 630 x 70 mm / 4 kg

Colour Options: RAL 9005, 9006, 9016

Description

LED Indoor and Office Luminaire

Photometric Distribution:



Complied Standards:

LM 79-08, LM 80

EN 60598-1:2015+A1:2018

EN 60598-2-13:2006+A1:2012+A2:2016

EN 62262:2002

IEC TR 62778:2014

Applications

- Offices and Plaza
- Restaurants and Malls
- Hotels and Residences
- Hospitals and Schools
- Airports
- Railway Stations

IP40 CE IK06

Variations

	Nominal Power	Luminous Flux
NELO 60 - S 25	25 W	3125 lm
NELO 60 - S 35	35 W	4375 lm

NELO 120-S



Specifications

Efficacy: 100 - 125 lm/W

Nominal Voltage: 220 - 240 V / 50 - 60 Hz

Power Factor: > 0.95

IEC Protection Class: Class I

Colour Rendering Index (CRI): > 80

Colour Temperature: 3000 - 4000 K

Operating Temperature (Ta): -20 °C / +50 °C

Diffuser: PMMA

Optic: PMMA

Control Protocols: 1-10V DALI ZigBee DMX

Housing: Galvanize

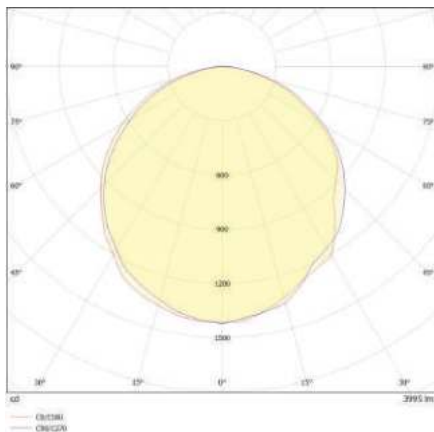
Dimensions and Weight: 1230 x 330 x 70 mm / 4.5 kg

Colour Options: RAL 9005, 9006, 9016

Description

LED Indoor and Office Luminaire

Photometric Distribution:



Complied Standards:

LM 79-08, LM 80

EN 60598-1:2015+A1:2018

EN 60598-2-13:2006+A1:2012+A2:2016

EN 62262:2002

IEC TR 62778:2014

Applications

- Offices and Plaza
- Restaurants and Malls
- Hotels and Residences
- Hospitals and Schools
- Airports
- Railway Stations



IP40 CE   IK06 

Variations

	Nominal Power	Luminous Flux
NELO 120 - S 30	30 W	3750 lm



PORTE

Specifications

Nominal Voltage: 220 - 240 V / 50 - 60 Hz

Power Factor: > 0.95

IEC Protection Class: Class II

Colour Rendering Index (CRI): > 80

Colour Temperature: 3000 - 4000 K

Operating Temperature (Ta): -5 °C / +40 °C

Diffuser: PMMA

Optic: PMMA

Housing: ABS

Dimensions and Weight: 254 x 230mm / 0,55 kg

Description

LED Emergency Exit Luminaire

Complied Standards:

LM 79-08, LM 80

EN 60598-1:2015+A1:2018

EN 60598-2-13:2006+A1:2012+A2:2016

EN 62262:2002

IEC TR 62778:2014

Applications

- Offices and Plaza
- Restaurants and Malls
- Hotels and Residences
- Hospitals and Schools
- Airports
- Railway Stations



IP20 CE   IK06 

Variations

	Nominal Power	Luminous Flux
PORTE 2	2 W	250 lm

SITA

Specifications

Nominal Voltage: 220 - 240 V / 50 - 60 Hz

Power Factor: > 0.95

IEC Protection Class: Class II

Colour Rendering Index (CRI): > 80

Colour Temperature: 3000 - 4000 K

Operating Temperature (Ta): -5 °C / +40 °C

Diffuser: PMMA

Optic: PMMA

Housing: ABS

Dimensions and Weight: 254 x 150mm / 0,45 kg

Description

LED Emergency Exit Luminaire

Complied Standards:

LM 79-08, LM 80

EN 60598-1:2015+A1:2018

EN 60598-2-13:2006+A1:2012+A2:2016

EN 62262:2002

IEC TR 62778:2014

Applications

- Offices and Plaza
- Restaurants and Malls
- Hotels and Residences
- Hospitals and Schools
- Airports
- Railway Stations



IP20    IK06 

Variations

	Nominal Power	Luminous Flux
SITA 2	2 W	150 lm





Poles and Bollards

Our versatile architectural products range has been designed to provide customisable exterior lighting solutions regarding to technical and aesthetic features of the project.

SHARK MONO



Specifications

Efficacy: 115 - 135 lm/W

Nominal Voltage: 220 - 240 V / 50 - 60 Hz

Power Factor: > 0.95

IEC Protection Class: Class I

Colour Rendering Index (CRI): > 70

Colour Temperature: 2700 - 6500 K

Operating Temperature (Ta): Outdoor -20 °C / +50 °C

Diffuser: 4 mm Tempered Glass

Optic: PMMA

Surge Protection: 6 - 10 kV

Control Protocols: 1-10V DALI ZigBee DMX

Housing: Die-Cast Aluminum

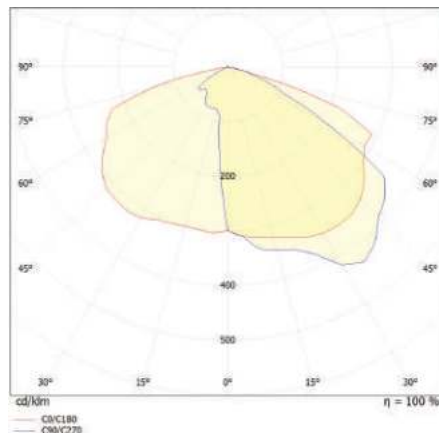
Dimensions and Weight: 2000 mm - 12000 mm

Colour Options: All RAL colours

Description

LED Decorative Lighting Pole

Photometric Distribution:



Complied Standards:

LM 79-08, LM 80

EN 60598-1:2015+A1:2018

EN 60598-2-13:2006+A1:2012+A2:2016

Applications

- Landscape and Gardens
- Urban Areas
- Streets and Roads
- Parks and Car Lots
- Residential Areas



Variations

	Nominal Power	Luminous Flux
SHARK MONO 30	30 W	4050 lm
SHARK MONO 50	50 W	6750 lm
SHARK MONO 75	75 W	10125 lm
SHARK MONO 100	100 W	13500 lm
SHARK MONO 120	120 W	16200 lm



SHARK DUO



Specifications

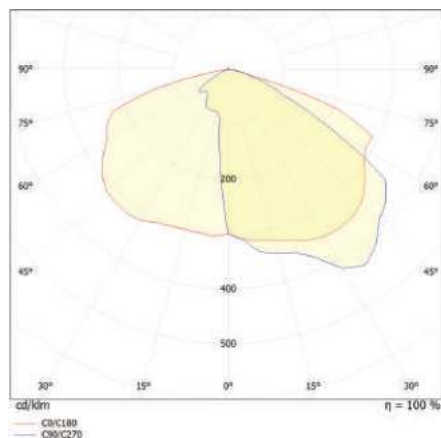
- Efficacy:** 115 - 135 lm/W
- Nominal Voltage:** 220 - 240 V / 50 - 60 Hz
- Power Factor:** > 0.95
- IEC Protection Class:** Class I
- Colour Rendering Index (CRI):** > 70
- Colour Temperature:** 2700 - 6500 K
- Operating Temperature (Ta):** Outdoor -20 °C / +50 °C
- Diffuser:** 4 mm Tempered Glass
- Optic:** PMMA
- Surge Protection:** 6 - 10 kV
- Control Protocols:** 1-10V DALI ZigBee DMX
- Housing:** Die - Cast Aluminum
- Dimensions and Weight:** 2000 mm - 12000 mm
- Colour Options:** All RAL colours

Description

LED Decorative Lighting Pole



Photometric Distribution:



Complied Standards:

- LM 79-08, LM 80
- EN 60598-1:2015+A1:2018
- EN 60598-2-13:2006+A1:2012+A2:2016

Applications

- Landscape and Gardens
- Urban Areas
- Streets and Roads
- Parks and Car Lots
- Residential Areas

Variations

	Nominal Power	Luminous Flux
SHARK DUO 60	60 W	8100 lm
SHARK DUO 100	100 W	13500 lm
SHARK DUO 150	150 W	20250 lm
SHARK DUO 200	200 W	27000 lm
SHARK DUO 240	240 W	32400 lm

WOLF DUO



Specifications

Efficacy: 115 - 135 lm/W

Nominal Voltage: 220 - 240 V / 50 - 60 Hz

Power Factor: > 0.95

IEC Protection Class: Class I

Colour Rendering Index (CRI): > 70

Colour Temperature: 2700 - 6500 K

Operating Temperature (Ta): Outdoor -20 °C / +50 °C

Diffuser: 4 mm Tempered Glass

Optic: PMMA

Surge Protection: 6 - 10 kV

Control Protocols: 1-10V DALI ZigBee DMX

Housing: Aluminum

Dimensions and Weight: 2000 mm - 12000 mm

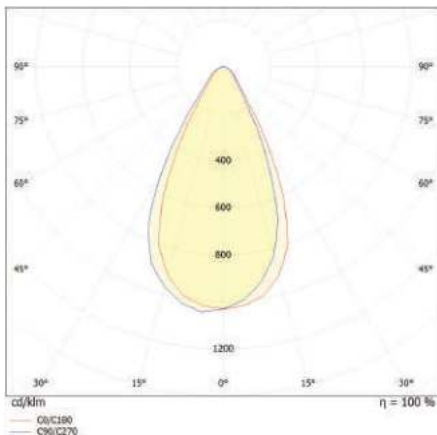
Colour Options: All RAL colours

Description

LED Decorative Lighting Pole



Photometric Distribution:



Complied Standards:

LM 79-08, LM 80

EN 60598-1:2015+A1:2018

EN 60598-2-13:2006+A1:2012+A2:2016

Applications

- Landscape and Gardens
- Urban Areas
- Streets and Roads
- Parks and Car Lots
- Residential Areas

Variations

	Nominal Power	Luminous Flux
WOLF DUO 60	60 W	8100 lm
WOLF DUO 100	100 W	13500 lm
WOLF DUO 150	150 W	20250 lm
WOLF DUO 200	200 W	27000 lm
WOLF DUO 240	240 W	32400 lm
WOLF DUO 300	300 W	40500 lm
WOLF DUO 400	400 W	54000 lm



LEUZ

Specifications

Efficacy: 115 - 135 lm/W

Nominal Voltage: 220 - 240 V / 50 - 60 Hz

Power Factor: > 0.95

IEC Protection Class: Class I

Colour Rendering Index (CRI): > 70

Colour Temperature: 2700 - 6500 K

Operating Temperature (Ta): Outdoor -20 °C / +50 °C

Diffuser: PMMA

Optic: PMMA

Surge Protection: 6 - 10 kV

Control Protocols: 1-10V DALI ZigBee DMX

Housing: Aluminum - Steel

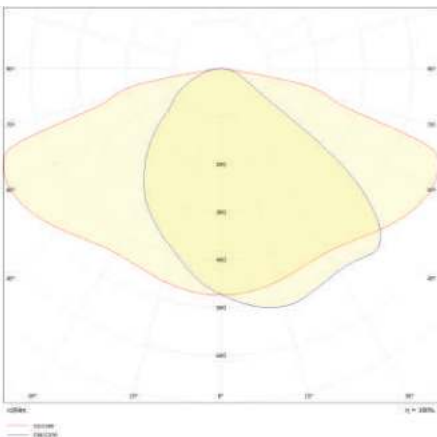
Dimensions and Weight: 2000 mm - 12000 mm

Colour Options: All RAL colours

Description

LED Decorative Lighting Pole

Photometric Distribution:



Complied Standards:

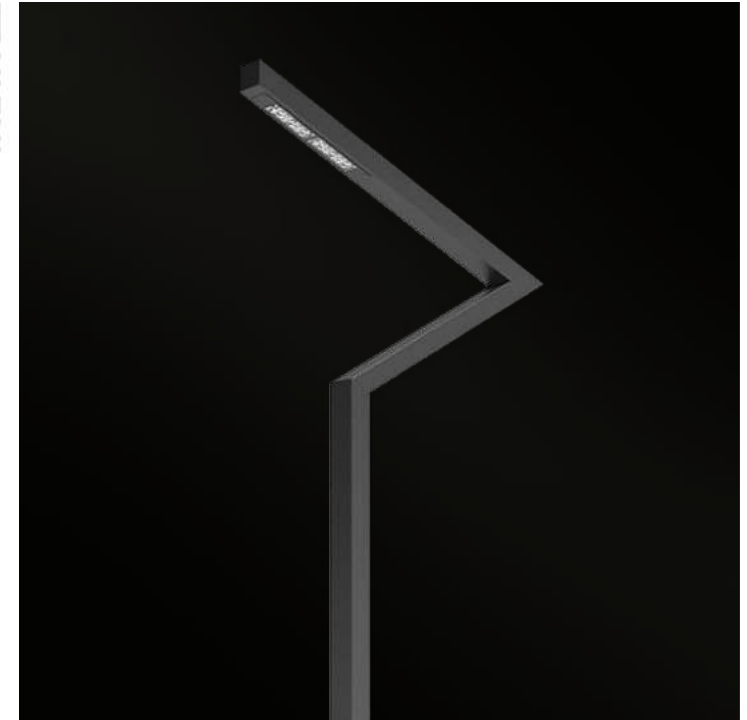
LM 79-08, LM 80

EN 60598-1:2015+A1:2018

EN 60598-2-13:2006+A1:2012+A2:2016

Applications

- Landscape and Gardens
- Urban Areas
- Streets and Roads
- Parks and Car Lots
- Residential Areas



IP65 CE RoHS IK08 C

Variations

	Nominal Power	Luminous Flux
LEUZ 25	25 W	3375 lm
LEUZ 50	50 W	6750 lm

DRAS



Specifications

Efficacy: 115 - 135 lm/W

Nominal Voltage: 220 - 240 V / 50 - 60 Hz

Power Factor: > 0.95

IEC Protection Class: Class I

Colour Rendering Index (CRI): > 70

Colour Temperature: 2700 - 6500 K

Operating Temperature (Ta): Outdoor -20 °C / +50 °C

Diffuser: PMMA

Optic: PMMA

Surge Protection: 6 - 10 kV

Control Protocols: 1-10V DALI ZigBee DMX

Housing: Aluminum - Steel

Dimensions and Weight: 2000 mm - 12000 mm

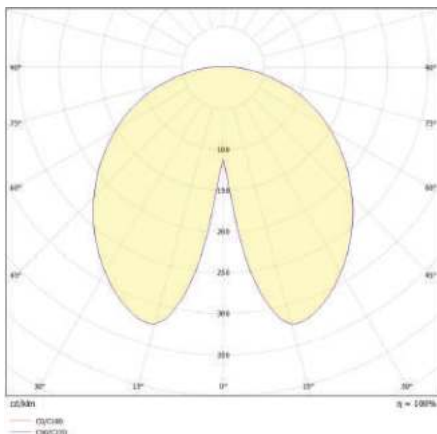
Colour Options: All RAL colours



Description

LED Decorative Lighting Pole

Photometric Distribution:



Complied Standards:

LM 79-08, LM 80

EN 60598-1:2015+A1:2018

EN 60598-2-13:2006+A1:2012+A2:2016

Applications

- Landscape and Gardens
- Urban Areas
- Streets and Roads
- Parks and Car Lots
- Residential Areas

IP65 IK08

Variations

	Nominal Power	Luminous Flux
DRAS 25	25 W	3375 lm
DRAS 50	50 W	6750 lm



THEA



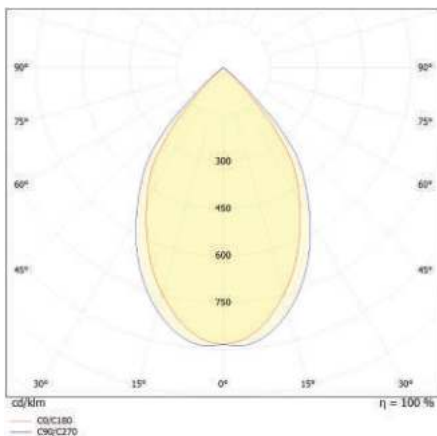
Specifications

Efficacy: 115 - 135 lm/W
Nominal Voltage: 220 - 240 V / 50 - 60 Hz
Power Factor: > 0.95
IEC Protection Class: Class I
Colour Rendering Index (CRI): > 70
Colour Temperature: 2700 - 6500 K
Operating Temperature (Ta): Outdoor -20 °C / +50 °C
Diffuser: PMMA
Optic: PMMA
Surge Protection: 6 - 10 kV
Control Protocols: 1-10V DALI ZigBee DMX
Housing: Aluminum - Steel
Dimensions and Weight: 2000 mm - 12000 mm
Colour Options: All RAL colours

Description

LED Decorative Lighting Pole

Photometric Distribution:



Complied Standards:

LM 79-08, LM 80
 EN 60598-1:2015+A1:2018
 EN 60598-2-13:2006+A1:2012+A2:2016

Applications

- Landscape and Gardens
- Urban Areas
- Streets and Roads
- Parks and Car Lots
- Residential Areas



IP65 CE   IK08 

Variations

	Nominal Power	Luminous Flux
THEA 25	25 W	3375 lm
THEA 50	50 W	6750 lm

BENDA



Specifications

Efficacy: 115 - 135 lm/W

Nominal Voltage: 220 - 240 V / 50 - 60 Hz

Power Factor: > 0.95

IEC Protection Class: Class I

Colour Rendering Index (CRI): > 70

Colour Temperature: 2700 - 6500 K

Operating Temperature (Ta): Outdoor -20 °C / +50 °C

Diffuser: PMMA

Optic: PMMA

Surge Protection: 6 - 10 kV

Control Protocols: 1-10V DALI ZigBee DMX

Housing: Aluminum - Steel

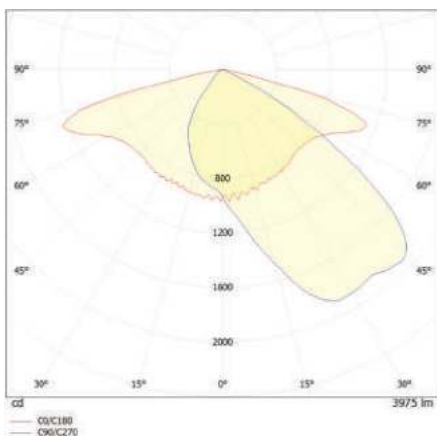
Dimensions and Weight: 2000 mm - 12000 mm

Colour Options: All RAL colours

Description

LED Decorative Lighting Pole

Photometric Distribution:



Complied Standards:

LM 79-08, LM 80

EN 60598-1:2015+A1:2018

EN 60598-2-13:2006+A1:2012+A2:2016

Applications

- Landscape and Gardens
- Urban Areas
- Streets and Roads
- Parks and Car Lots
- Residential Areas

IP65 CE   IK08 

Variations

	Nominal Power	Luminous Flux
BENDA 25	25 W	3375 lm
BENDA 50	50 W	6750 lm



ANTE MONO



Specifications

Efficacy: 115 - 135 lm/W

Nominal Voltage: 220 - 240 V / 50 - 60 Hz

Power Factor: > 0.95

IEC Protection Class: Class I

Colour Rendering Index (CRI): > 70

Colour Temperature: 2700 - 6500 K

Operating Temperature (Ta): Outdoor -20 °C / +50 °C

Diffuser: PMMA

Optic: PMMA

Surge Protection: 6 - 10 kV

Control Protocols: 1-10V DALI ZigBee DMX

Housing: Aluminum - Steel

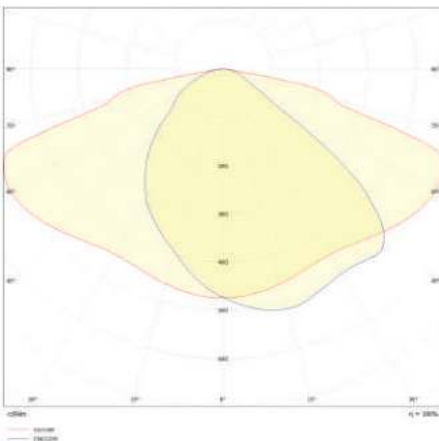
Dimensions and Weight: 2000 mm - 12000 mm

Colour Options: All RAL colours

Description

LED Decorative Lighting Pole

Photometric Distribution:



Complied Standards:

LM 79-08, LM 80

EN 60598-1:2015+A1:2018

EN 60598-2-13:2006+A1:2012+A2:2016

Applications

- Landscape and Gardens
- Urban Areas
- Streets and Roads
- Parks and Car Lots
- Residential Areas

IP65 CE   IK08 

Variations

	Nominal Power	Luminous Flux
ANTE MONO 25	25 W	3375 lm
ANTE MONO 50	50 W	6750 lm

ANTE DUO



Specifications

Efficacy: 115 - 135 lm/W

Nominal Voltage: 220 - 240 V / 50 - 60 Hz

Power Factor: > 0.95

IEC Protection Class: Class I

Colour Rendering Index (CRI): > 70

Colour Temperature: 2700 - 6500 K

Operating Temperature (Ta): Outdoor -20 °C / +50 °C

Diffuser: PMMA

Optic: PMMA

Surge Protection: 6 - 10 kV

Control Protocols: 1-10V DALI ZigBee DMX

Housing: Aluminum - Steel

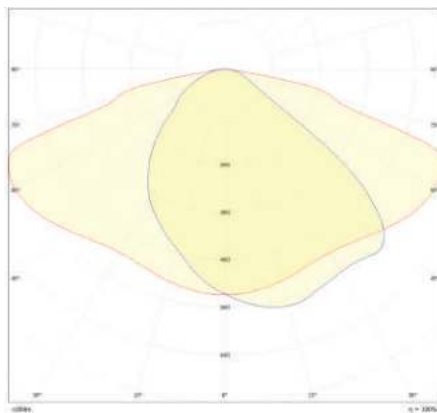
Dimensions and Weight: 2000 mm - 12000 mm

Colour Options: All RAL colours

Description

LED Decorative Lighting Pole

Photometric Distribution:



Complied Standards:

LM 79-08, LM 80

EN 60598-1:2015+A1:2018

EN 60598-2-13:2006+A1:2012+A2:2016

Applications

- Landscape and Gardens
- Urban Areas
- Streets and Roads
- Parks and Car Lots
- Residential Areas

IP65 CE IK08

Variations

	Nominal Power	Luminous Flux
ANTE DUO 50	50 W	6750 lm
ANTE DUO 100	100 W	13500 lm



ELOP

Specifications

Efficacy: 115 - 135 lm/W

Nominal Voltage: 220 - 240 V / 50 - 60 Hz

Power Factor: > 0.95

IEC Protection Class: Class I

Colour Rendering Index (CRI): > 70

Colour Temperature: 2700 - 6500 K

Operating Temperature (Ta): Outdoor -20 °C / +50 °C

Diffuser: PMMA

Optic: PMMA

Surge Protection: 6 - 10 kV

Control Protocols: 1-10V DALI ZigBee DMX

Housing: Aluminum - Steel

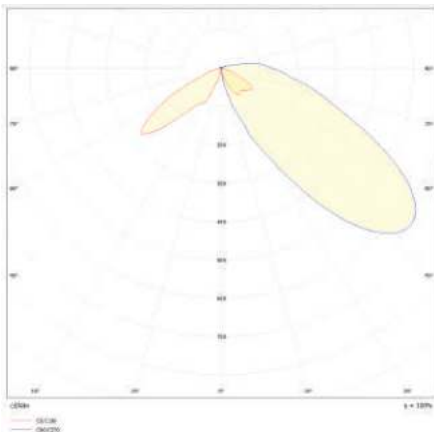
Dimensions and Weight: 250 mm - 2000 mm

Colour Options: All RAL colours

Description

LED Bollard

Photometric Distribution:



Complied Standards:

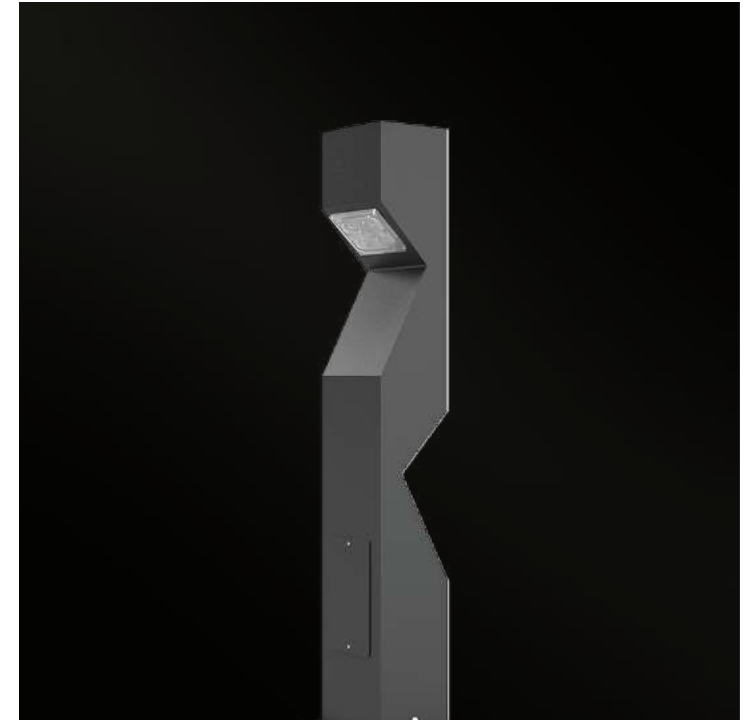
LM 79-08, LM 80

EN 60598-1:2015+A1:2018

EN 60598-2-13:2006+A1:2012+A2:2016

Applications

- Landscape and Gardens
- Urban Areas
- Streets and Roads
- Parks and Car Lots
- Residential Areas



IP65 CE   IK08 

Variations

	Nominal Power	Luminous Flux
ELOP 25	25 W	3375 lm
ELOP 50	50 W	6750 lm

ELOP MINI



Specifications

Efficacy: 115 - 135 lm/W

Nominal Voltage: 220 - 240 V / 50 - 60 Hz

Power Factor: > 0.95

IEC Protection Class: Class I

Colour Rendering Index (CRI): > 70

Colour Temperature: 2700 - 6500 K

Operating Temperature (Ta): Outdoor -20 °C / +50 °C

Diffuser: PMMA

Optic: PMMA

Surge Protection: 6 - 10 kV

Control Protocols: 1-10V DALI ZigBee DMX

Housing: Aluminum - Steel

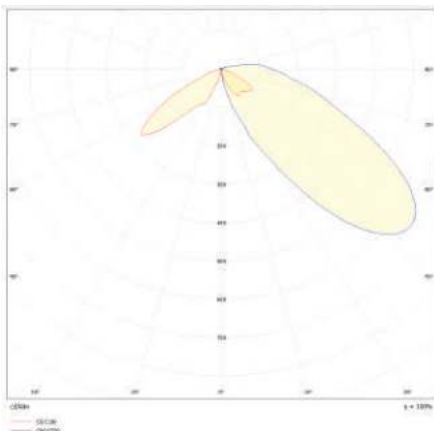
Dimensions and Weight: 250 mm - 2000 mm

Colour Options: All RAL colours

Description

LED Bollard

Photometric Distribution:



Complied Standards:

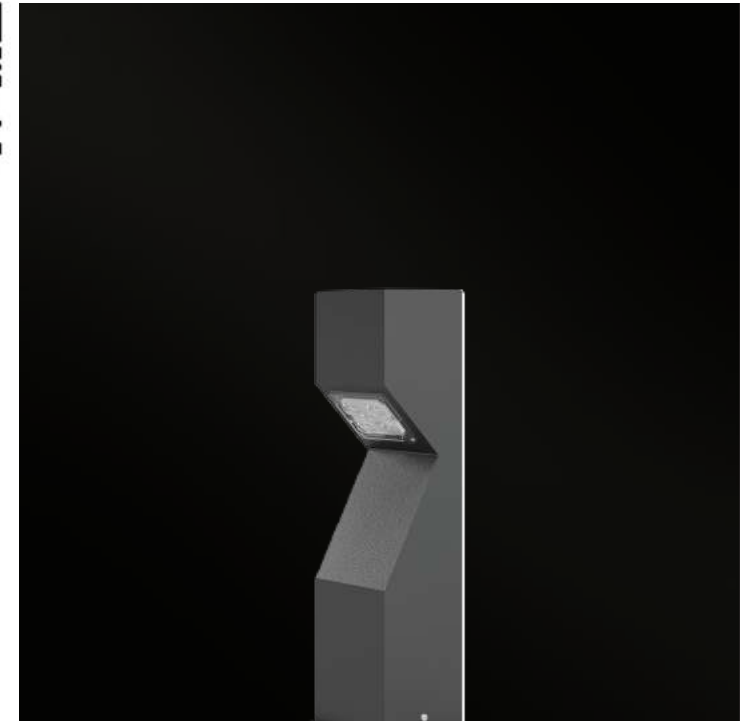
LM 79-08, LM 80

EN 60598-1:2015+A1:2018

EN 60598-2-13:2006+A1:2012+A2:2016

Applications

- Landscape and Gardens
- Urban Areas
- Streets and Roads
- Parks and Car Lots
- Residential Areas



IP65 CE   IK08 

Variations

	Nominal Power	Luminous Flux
ELOP MINI 25	25 W	3375 lm
ELOP MINI 50	50 W	6750 lm



HELUS



Specifications

Efficacy: 115 - 135 lm/W

Nominal Voltage: 220 - 240 V / 50 - 60 Hz

Power Factor: > 0.95

IEC Protection Class: Class I

Colour Rendering Index (CRI): > 70

Colour Temperature: 2700 - 6500 K

Operating Temperature (Ta): Outdoor -20 °C / +50 °C

Diffuser: PMMA

Optic: PMMA

Surge Protection: 6 - 10 kV

Control Protocols: 1-10V DALI ZigBee DMX

Housing: Aluminum - Steel

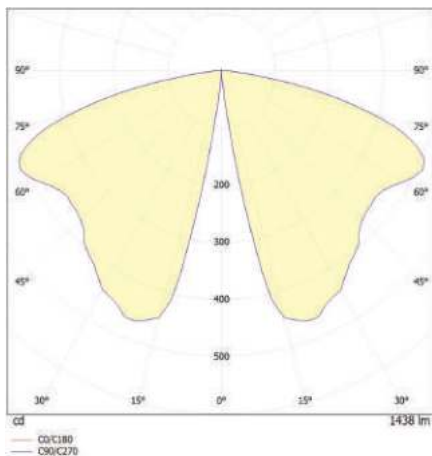
Dimensions and Weight: 250 mm - 2000 mm

Colour Options: All RAL colours

Description

LED Bollard

Photometric Distribution:



Complied Standards:

LM 79-08, LM 80

EN 60598-1:2015+A1:2018

EN 60598-2-13:2006+A1:2012+A2:2016

Applications

- Landscape and Gardens
- Urban Areas
- Streets and Roads
- Parks and Car Lots
- Residential Areas



IP65 CE IK08

Variations

	Nominal Power	Luminous Flux
HELUS 25	25 W	3375 lm
HELUS 50	50 W	6750 lm

KOIS

Specifications

Efficacy: 115 - 135 lm/W

Nominal Voltage: 220 - 240 V / 50 - 60 Hz

Power Factor: > 0.95

IEC Protection Class: Class I

Colour Rendering Index (CRI): > 70

Colour Temperature: 2700 - 6500 K

Operating Temperature (Ta): Outdoor -20 °C / +50 °C

Diffuser: PMMA

Optic: PMMA

Surge Protection: 6 - 10 kV

Control Protocols: 1-10V DALI ZigBee DMX

Housing: Aluminum - Steel

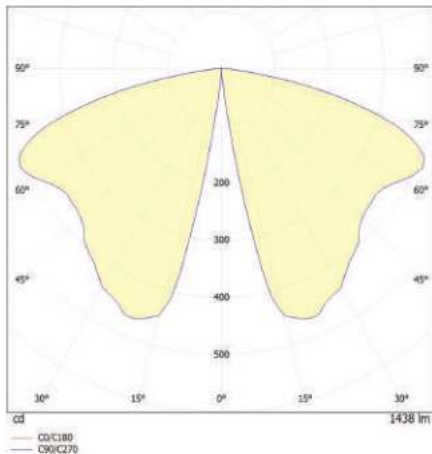
Dimensions and Weight: 250 mm - 2000 mm

Colour Options: All RAL colours

Description

LED Bollard

Photometric Distribution:



Complied Standards:

LM 79-08, LM 80

EN 60598-1:2015+A1:2018

EN 60598-2-13:2006+A1:2012+A2:2016

Applications

- Landscape and Gardens
- Urban Areas
- Streets and Roads
- Parks and Car Lots
- Residential Areas



IP65 CE   IK08 

Variations

	Nominal Power	Luminous Flux
KOIS 25	25 W	3375 lm
KOIS 50	50 W	6750 lm



KOIS MINI



Specifications

Efficacy: 115 - 135 lm/W

Nominal Voltage: 220 - 240 V / 50 - 60 Hz

Power Factor: > 0.95

IEC Protection Class: Class I

Colour Rendering Index (CRI): > 70

Colour Temperature: 2700 - 6500 K

Operating Temperature (Ta): Outdoor -20 °C / +50 °C

Diffuser: PMMA

Optic: PMMA

Surge Protection: 6 - 10 kV

Control Protocols: 1-10V DALI ZigBee DMX

Housing: Aluminum - Steel

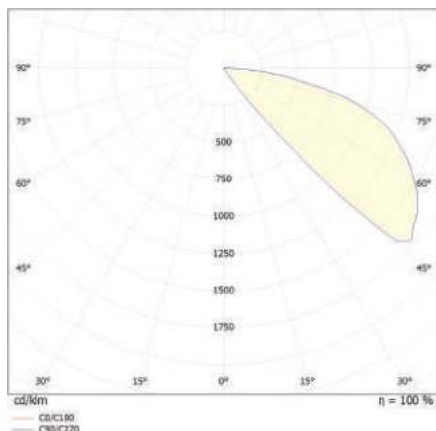
Dimensions and Weight: 250 mm - 2000 mm

Colour Options: All RAL colours

Description

LED Bollard

Photometric Distribution:



Complied Standards:

LM 79-08, LM 80

EN 60598-1:2015+A1:2018

EN 60598-2-13:2006+A1:2012+A2:2016

Applications

- Landscape and Gardens
- Urban Areas
- Streets and Roads
- Parks and Car Lots
- Residential Areas



IP65 CE IK08

Variations

	Nominal Power	Luminous Flux
KOIS MINI 25	25 W	3375 lm
KOIS MINI 50	50 W	6750 lm

RADO

Specifications

Efficacy: 115 - 135 lm/W

Nominal Voltage: 220 - 240 V / 50 - 60 Hz

Power Factor: > 0.95

IEC Protection Class: Class I

Colour Rendering Index (CRI): > 70

Colour Temperature: 2700 - 6500 K

Operating Temperature (Ta): Outdoor -20 °C / +50 °C

Diffuser: PMMA

Optic: PMMA

Surge Protection: 6 - 10 kV

Control Protocols: 1-10V DALI ZigBee DMX

Housing: Aluminum - Steel

Colour Options: All RAL colours

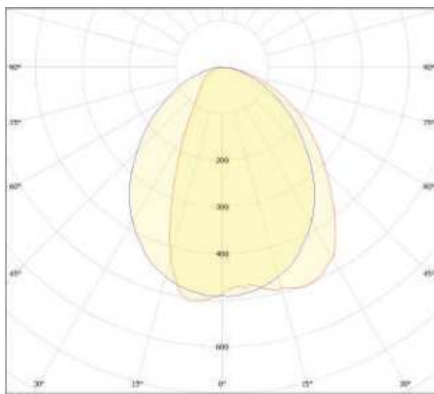
Description

LED Wall Luminaire



IP65 CE   IK08 

Photometric Distribution:



Complied Standards:

LM 79-08, LM 80

EN 60598-1:2015+A1:2018

EN 60598-2-13:2006+A1:2012+A2:2016

Applications

- Landscape and Gardens
- Urban Areas
- Streets and Roads
- Parks and Car Lots
- Residential Areas

Variations

	Nominal Power	Luminous Flux
RADO 15	15 W	2025 lm



MEDA



Specifications

Efficacy: 115 - 135 lm/W
Nominal Voltage: 220 - 240 V / 50 - 60 Hz
Power Factor: > 0.95
IEC Protection Class: Class I
Colour Rendering Index (CRI): > 70
Colour Temperature: 2700 - 6500 K
Operating Temperature (Ta): Outdoor -20 °C / +50 °C
Diffuser: PMMA
Optic: PMMA
Surge Protection: 6 - 10 kV
Control Protocols: 1-10V DALI ZigBee DMX
Housing: Aluminum - Steel
Colour Options: All RAL colours

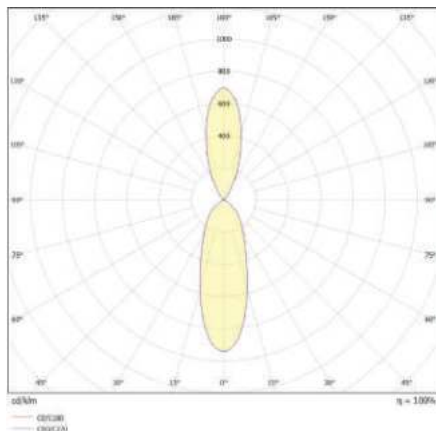
Description

LED Wall Luminaire



IP65 CE IK08

Photometric Distribution:



Complied Standards:

LM 79-08, LM 80
 EN 60598-1:2015+A1:2018
 EN 60598-2-13:2006+A1:2012+A2:2016

Applications

- Landscape and Gardens
- Urban Areas
- Streets and Roads
- Parks and Car Lots
- Residential Areas

Variations

	Nominal Power	Luminous Flux
MEDA 15	15 W	2025 lm

GRON



Specifications

Efficacy: 115 - 135 lm/W

Nominal Voltage: 220 - 240 V / 50 - 60 Hz

Power Factor: > 0.95

IEC Protection Class: Class I

Colour Rendering Index (CRI): > 70

Colour Temperature: 2700 - 6500 K

Operating Temperature (Ta): Outdoor -20 °C / +50 °C

Diffuser: PMMA

Optic: PMMA

Surge Protection: 6 - 10 kV

Control Protocols: 1-10V DALI ZigBee DMX

Housing: Aluminum - Steel

Colour Options: All RAL colours

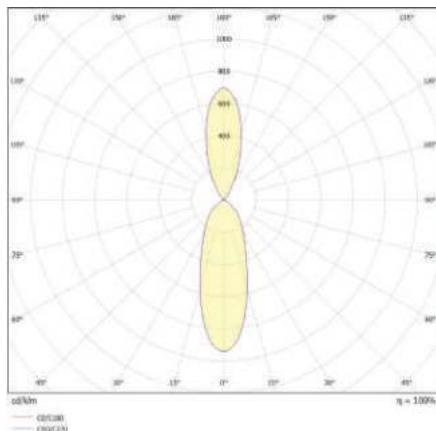
Description

LED Wall Luminaire



IP65 CE   IK08 

Photometric Distribution:



Complied Standards:

LM 79-08, LM 80

EN 60598-1:2015+A1:2018

EN 60598-2-13:2006+A1:2012+A2:2016

Applications

- Landscape and Gardens
- Urban Areas
- Streets and Roads
- Parks and Car Lots
- Residential Areas

Variations

	Nominal Power	Luminous Flux
GRON 15	15 W	2025 lm





Ballasts and Ignitors

Since 1996 we are glad for being the local market leader of High Intensity Discharge (HID) Ballasts and Ignitors are being manufactured by our IMAJ® brand.

BALLASTS



Specifications

Nominal Voltage: 220 - 240 V / 50 - 60 Hz

IEC Protection Class: Class I

Operating Temperature (Ta): +70 °C

Thermal Protection: Yes

Terminal Blocks: 1,5 - 2,5 mm²

Description

Standart HPS and HID Ballast

Complied Standards:

TS EN 60923

TS EN 61347

Applications

- High Pressure Sodium Vapour Lamps
- Metal Halide Lamps
- High Pressure Mercury Lamp Lamps



Variations

	Lamp Power	Lamp Type	Current	Cos Φ	Loading Capacitance	Dimensions and Weight	Box Quantity
SV50 - 50	50 W	HPS	0.76 A	0.40	10 uF	116 x 69 x 59 mm / 1.2 kg	16
SV70 - 70	70 W	HPS	1 A	0.37	12 uF	116 x 69 x 59 mm / 1.2 kg	16
SV100 - 100	100 W	HPS	1.2 A	0.44	14 uF	116 x 69 x 59 mm / 1.4 kg	16
SV150 - 150	150 W	HPS	1.8 A	0.43	20 uF	136 x 69 x 59 mm / 1.9 kg	12
SV250 - 250	250 W	HPS	3 A	0.42	32 uF	140 x 81 x 68 mm / 2.8 kg	4
SV400 - 400	400 W	HPS	4.6 A	0.43	45 uF	162 x 81 x 68 mm / 3.6 kg	4
SV400EN - 400	400 W	HPS	4.6 A	0.43	45 uF	140 x 99 x 83 mm / 4.1 kg	4
SV600 - 600	600 W	HPS	6.2 A	0.45	64 uF	252 x 107 x 87 mm / 8.3 kg	2
SV1000 - 1000	1000 W	HPS	10.3 A	0.47	100 uF	257 x 107 x 87 mm / 13.1 kg	2
HG125 - 125	125 W	HID	1.15 A	0.55	10 uF	116 x 69 x 59 mm / 1.4 kg	16
HG250 - 250	250 W	HID	2.15 A	0.57	20 uF	136 x 69 x 59 mm / 1.9 kg	12
HG400 - 400	400 W	HID	3.15 A	0.60	32-24 uF	140 x 81 x 69 mm / 2.7 kg	6



IGNITORS



Specifications

Lamp Type: HPS - HID

Nominal Voltage: 220 - 240 V / 50 - 60 Hz

Loading Capacitance: 20 - 150 pF

IEC Protection Class: Class II

Operating Temperature (Ta): -25 °C / +85 °C

Dimensions and Weight: 78 x 35 x 30 mm / 120 gr

Terminal Blocks: 1,5 - 2,5 mm²

Box Quantity: 50 Pieces

Description

Timed Imposed and Standard Pulse Ignitors

Complied Standards:

TS EN 60927

TS EN 61347-2-1

Applications

- High Pressure Sodium Vapour Lamps
- Metal Halide Lamps

Variations

	Lamp Power	Ignition Voltage	Current	Cut-Off Time
IM03 35 - 70	35 - 70 W	2 - 3 kV	2 A	No Timing
IM04 100 - 400	100 - 400 W	5 kV	4,5 A	No Timing
IM04 35 - 400	35 - 400 W	5 kV	4,5 A	No Timing
IM03T 35 - 70	35 - 70 W	2 - 3 kV	2 A	5,10,15,20 sec
IM04T 100 - 400	100 - 400 W	5 kV	4,5 A	5,10,15,20 sec
IM04T 35 - 400	35 - 400 W	5 kV	4,5 A	5,10,15,20 sec



SWITCHBOARDS



Specifications

Raw Material: Polymer

Hinge: 2 Pieces

Gasket: Silicon

IEC Protection Class: Class II

Fire Resistance: B2/E (Can change to A1, A2, B1, V0)

UC Resistance: Yes

Humidity Resistance: Yes

Chemical Resistance: Acid and Base

Corrosion Resistance: Adverse Weather Conditions

Colour: RAL 7035

Description

Polyester Electric Distribution Boards

Complied Standards:

EN 61439


EN 60670-1

EN 62208

TS EN 60671-1

Applications

- Transformer Load Boards
- Compensation Boards
- Distribution Boards
- Network Generator
- Automation Panels
- Control Panels
- OSOS Panels
- Electricity Meter Panels

 IP65 IK08

Variations

	Dimensions and Weight	Box Quantity
20 X 30 X 13	200 x 300 x 130 mm / 3 kg	6
22 X 33 X 17	220 x 330 x 170 mm / 3,5 kg	6
25 X 30 X 10	250 x 300 x 100 mm / 3,5 kg	4
25 X 30 X 17	250 x 300 x 170 mm / 3,6 kg	4
30 X 40 X 17	300 x 400 x 170 mm / 5 kg	4
35 X 50 X 17	350 x 500 x 170 mm / 6,5 kg	2
40 X 60 X 20	400 x 600 x 200 mm / 8,5 kg	1
50 X 70 X 22	500 x 700 x 220 mm / 17,5 kg	1
60 X 80 X 22	600 x 800 x 220 mm / 18 kg	1
75 X 100 X 35	750 x 1000 x 350 mm / 35 kg	1

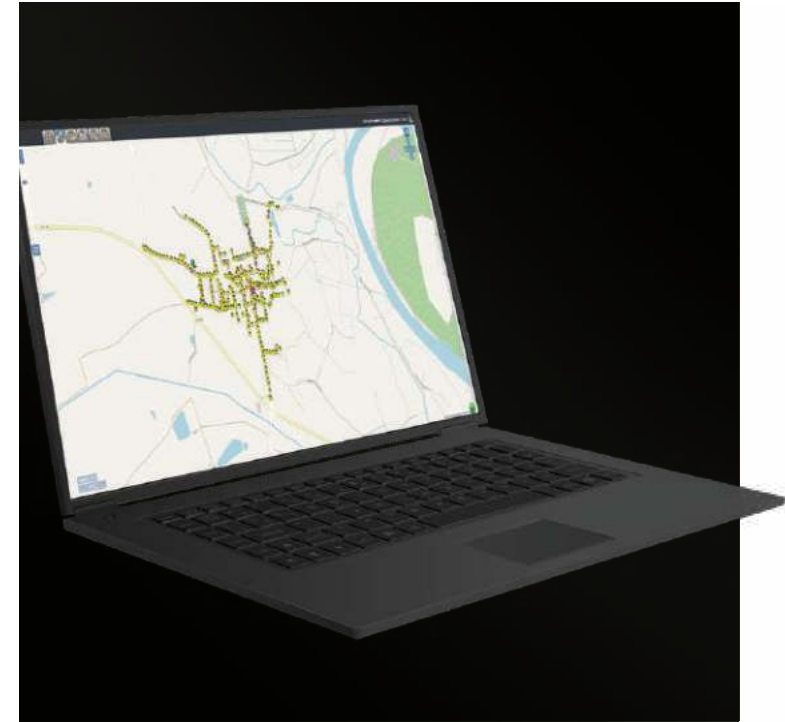




Smart Control

Cities are growing... It is increasingly difficult to ensure security, manage mobility and meet their needs. We bring GRITCON® with the latest technology to provide lighting on-demand that significantly reducing costs.

MANAGEMENT SOFTWARE



Specifications

Authentication: Desktop and Mobile

Integration: SAP, FTP, SQL, E-mail

Warning: Automatic Alarm

Description

MAIN FEATURES

User Friendly and Personalized Dashboard
Multiple User Profiling and Monitoring
Asset Management With Particular Details
Historical Data, View Chart and Plant Characterization
Logic Links Resources and Variables
Colour-Based Signalling Lights Points
Synoptic Functional Data Map on Different Layers
Priority Rules to Avoid Conflicts
Multiple Data Analysis, Filters Functions and Plot Legend
Drag and Drop Editing
Ticket Management and Maintenance Report

Applications

- Streets and Roads
- Parks and Car Lots
- Indoors
- Tunnels
- Public Transport and Traffic
- Air, Public Green and Waste Management
- Individual Monitoring and Presence Management
- Gas Metering and Detecting



NEMA NODE



Specifications

Nominal Voltage (V): 120 - 277 Vac

Power Consumption (W): < 1 W

Supported Protocols: DALI / DALI-2 / 0-10 V

DALI Management: 8 DALI Adresse

Power Meter: One-phase / Precision $\leq 1\%$

Clock: RTC

Accelerometer: 10-bit digital / 3-axis

Temperature Sensor: -30 °C / +80 °C

Luxmeter (kLux): 0.01 - 157 kLux

Operating Conditions: -30 °C / +75 °C

Dimensions: $\varnothing 83 \times 98$ mm

Frequencies: 2.4 GHz - 868 MHz – LoRa

Transmission Power: 2.4 GHz: 10 dBm / 868 MHz: 20 dBm

Encoding: 16-bit CRC (32-bit CRC for FW updates)

Cryptography: AES 128-bit

Description

Wireless Communication Device

Complied Standards:


ISO 9001:2008

IEEE 802.15.4

Applications

- Streets and Roads
- Parks and Car Lots
- Indoors
- Tunnels
- Public Transport and Traffic
- Air, Public Green and Waste Management
- Individual Monitoring and Presence Management
- Gas Metering and Detecting



IP66 IK06 

ZHAGA NODE



Specifications

Nominal Voltage (V): 24 Vdc

Power Consumption (W): < 1 W

Supported Protocols: DALI / DALI-2 / D4i

DALI Management: 4 DALI Adresse

Clock: RTC

Accelerometer: 10-bit digital / 3-axis

Temperature Sensor: -30 °C / +80 °C

Luxmeter (kLux): 0.01 - 157 kLux

Operating Conditions: -30 °C / +75 °C

Dimensions: Ø40 x 24.25 mm

Frequencies: 2.4 GHz - 868 MHz – LoRa

Transmission Power: 2.4 GHz: 10 dBm / 868 MHz: 20 dBm

Encoding: 16-bit CRC (32-bit CRC for FW updates)

Cryptography: AES 128-bit

Description

Wireless Communication Device

Complied Standards:

ISO 9001:2008

IEEE 802.15.4

Applications


- Streets and Roads
- Parks and Car Lots
- Indoors
- Tunnels
- Public Transport and Traffic
- Air, Public Green and Waste Management
- Individual Monitoring and Presence Management
- Gas Metering and Detecting

IP66 IK06 CE



STANDARD NODE



IP20 IK06 

Specifications

Nominal Voltage (V): 120 - 277 Vac

Power Consumption (W): < 1 W

Supported Protocols: DALI / DALI-2 / 0-10 V

DALI Management: 8 DALI Adresse

Clock: RTC

Accelerometer: 10-bit digital / 3-axis

Temperature Sensor: -30 °C / +80 °C

Operating Conditions: -30 °C / +75 °C

Dimensions: 110 x 59 x 29 mm

Frequencies: 2.4 GHz - 868 MHz – LoRa

Transmission Power: 2.4 GHz: 10 dBm / 868 MHz: 20 dBm

Encoding: 16-bit CRC (32-bit CRC for FW updates)

Cryptography: AES 128-bit

Antenna: SMA Connector

Description

Wireless Communication Device

Complied Standards:

ISO 9001:2008

IEEE 802.15.4

Applications

- Streets and Roads
- Parks and Car Lots
- Indoors
- Tunnels
- Public Transport and Traffic
- Air, Public Green and Waste Management
- Individual Monitoring and Presence Management
- Gas Metering and Detecting

GATEWAY

Specifications

Nominal Voltage (V): 24 Vdc

Power Consumption (W): < 2 W

Supported Protocols: DALI / DALI-2 / 0-10 V

Current Absorption: 72 mA

Clock: Astronomic. RTC

Operating Conditions: -30 °C / +75 °C

LED: RGB

Serial Interfaces: 2 RS485 Ports

USB Ports: Type A OTG Port / Type B Port

Ethernet: 2.4 GHz: 10 dBm / 868 MHz: 20 dBm

Operating System: Linux Yocto

Processor: Single-Core Cortex A7

RAM Memory: 128 MB DDR3-800

Flash Memory: 256 MB NAND

SD Card: Micro SDHC - 32 GB

Dimensions: 110 x 59 x 29 mm

Description

IoT Gateway

Complied Standards:

ISO 9001:2008

IEEE 802.15.4

Applications

- Streets and Roads
- Parks and Car Lots
- Indoors
- Tunnels
- Public Transport and Traffic
- Air, Public Green and Waste Management
- Individual Monitoring and Presence Management
- Gas Metering and Detecting



IP20 IK06 CE





Solar Systems

Sustainability isn't just about being "green" it involves economic, social, and environmental consideration. Thus the core advantages of GRITSOL® is to maintain lifelong sustainability.

GRITSOL

Description

With the solar industry growing every year, we aim to stand out by offering our clients the best ROI in the form of a more customizable, efficient, quality, and economic sustainable solution. We achieve this by adopting new technologies, adhering to a strict supplier selection criteria, and following processes in place for smooth flow of work from planning to commissioning.

As being one of the top experienced lighting companies at our region, we specialize in managing site-specific design, construction, commissioning, and the installation. Launched GRITSOL to provide our EPC (Engineering, Procurement & Construction) know-how to solar solutions for both ground and on-pole applications. Our scope of work includes:

- Surveying/examining the site to understand its generation capacity and the type of solar PV system for installation.
- Designing the layout to plan the setup of the solar PV system which includes panels and other components.
- Procuring components for assembly based on the designed layout and customer's requirements.
- Assembling and installing the solar system components and designing an approach pathway for maintenance and repair purposes based on the designed layout.
- Handing over the system to the customer with proper training on how to use and maintain the system to avoid high maintenance costs or system failure in the future.

We believe in encouraging our clients to invest in a sustainable lifestyle will bring cumulative benefits for all of us sharing the World.

Products



SOLAR PANEL



BATTERY



INVERTOR



CHARGE COTROLLER





PROJECTS



Istanbul Airport
Istanbul / Turkey



Kuwait International Airport
Al-Dajeej / Kuwait





Tirebolu Coastal Road
Giresun / Turkey



Hasankeyf
Batman / Turkey



Asyaport
Tekirdag / Turkey



Amasra Castle
Bartın / Turkey



Rte De Bouake
Yamoussoukro /
Cote D'ivoire



Park Village
Istanbul / Turkey



Cunda Island
Balikesir / Turkey



Van-Ahlat Road
Bitlis / Turkey



Bozcaada
Canakkale / Turkey



**Antalya - Altınova
Side Road**
Antalya / Turkey



Tuzla Shipyard
Istanbul / Turkey



Comune di Bari
Bari / Italy



Black Sea Coastal Road
Rize / Turkey



Ipsala Border Crossing
Edirne / Turkey



Erzurum-Bayburt Road
Erzurum / Turkey



Mita Kalıp Factory
Istanbul / Turkey





HEADQUARTER | LED LIGHTING FACTORY

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E-Mail: info@grupimaj.com

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Address: Beylikduzu OSB Mahallesi, Mermerciler Sanayi Sitesi, 87. Sokak No: 6 | 34520

Beylikduzu / İstanbul / TÜRKİYE

Phone: +90 212 689 93 08-09-10 (pbx)

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GSM: +90 507 699 53 32

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