



 **PANDORAGREEN**

LED CATALOG 2019



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LED Catalog 2019

# Applications



## HOME

Houses, Hotels



## OFFICE

Offices, Conference Rooms,  
Openspaces, Offices with VDT



## SHOP

General Shops, Malls,  
Supermarkets, Parkings



## INDUSTRY

Industries, Warehouses, Deposits,  
Factories, Hangars



## SPORT

Football Courts, Athletic Courts,  
Racecourses, Golf, Tennis,  
Basket, Volley etc.



## SMART CITIES

Street Lighting, Highways, Roadways,  
High Masts

# The Company

## Corporate

Pandora Green S.p.A. is an Italian company specializing in LED lighting production that can be integrated with sensor for remote monitoring and smart system. Through the Energy Service Company (ESCO), Pandora Green offers project financing integrated solutions to pursue energy efficiency and cost reduction.

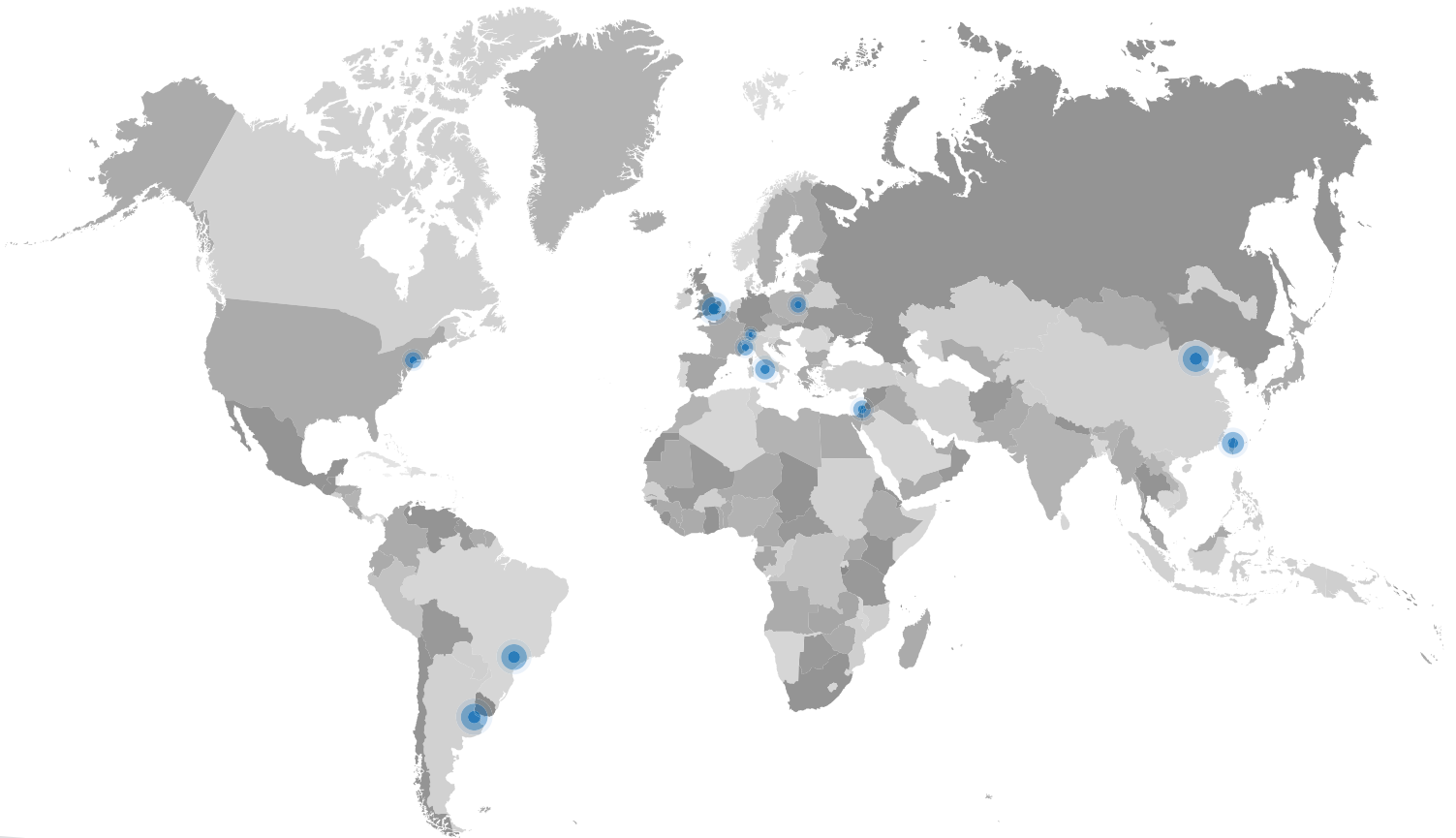
Pandora Green is able to plan, design and manage, under its own responsibility, customized solutions to implement lighting efficiency project in both B2B and public sector.

## Team

Our team is composed of multi-language energy managers, business managers, sales, financial & accounting department, secretaries, quality controllers, lighting designers, electronic engineers, and laboratory analysts. The versatility of these professionals enables us to develop and realize any lighting device according to customer requests.



# International Presence



Si certifica che il Sistema di Gestione della Qualità  
 Hereby we certify that the Quality Management System of

## PANDORA GREEN S.P.A.

P. IVA / C.F.: 11261431008

Sede Legale / Official Site: PIAZZALE DELLE BELLE ARTI, 3 - 00196 - ROMA (RM)  
 Sede Operativa / Operative Site: PIAZZALE DELLE BELLE ARTI, 3 - 00196 - ROMA (RM)

Per le seguenti attività / for the following scope and activities:  
**PROGETTAZIONE E COMMERCIALIZZAZIONE DI PRODOTTI, SISTEMI DI GESTIONE E DISPOSITIVI TECNOLOGICI PER L'ILLUMINAZIONE PUBBLICA E PRIVATA, A PROPRIO MARCHIO E NON. CONSULENZA E PROGETTAZIONE NELL'AMBITO DELLA SCELTA DI PRODOTTI, SISTEMI DI GESTIONE E DISPOSITIVI TECNOLOGICI PER L'ILLUMINAZIONE PUBBLICA E PRIVATA AI FINI DEL RISPARMIO ENERGETICO. DIREZIONE E COORDINAMENTO DELLE ATTIVITÀ DI INSTALLAZIONE DI PRODOTTI, SISTEMI DI GESTIONE E DISPOSITIVI TECNOLOGICI PER L'ILLUMINAZIONE PUBBLICA E PRIVATA AI FINI DEL RISPARMIO ENERGETICO.**  
 è conforme ai requisiti della normativa  
 complies the requirements of the standard

**ISO 9001:2015**

La precondizione per la certificazione è la conformità ai requisiti della norma ISO 9001:2015.

Per chi richiede il certificato, si prega di inviare a: **Quality Austria**, via ...

## CERTIFICATO

La Quality Austria - Trainings, Zertifizierungs und Begutachtung GmbH rilascia un certificato **qualityaustria** alla seguente organizzazione:

**PANDORA GREEN S.P.A.**  
 PIAZZALE DELLE BELLE ARTI, 3 - 00196 - ROMA (RM)

PROGETTAZIONE E COMMERCIALIZZAZIONE DI PRODOTTI, SISTEMI DI GESTIONE E DISPOSITIVI TECNOLOGICI PER L'ILLUMINAZIONE PUBBLICA E PRIVATA, A PROPRIO MARCHIO E NON. CONSULENZA E PROGETTAZIONE NELL'AMBITO DELLA SCELTA DI PRODOTTI, SISTEMI DI GESTIONE E DISPOSITIVI TECNOLOGICI PER L'ILLUMINAZIONE PUBBLICA E PRIVATA AI FINI DEL RISPARMIO ENERGETICO. DIREZIONE E COORDINAMENTO DELLE ATTIVITÀ DI INSTALLAZIONE DI PRODOTTI, SISTEMI DI GESTIONE E DISPOSITIVI TECNOLOGICI PER L'ILLUMINAZIONE PUBBLICA E PRIVATA AI FINI DEL RISPARMIO ENERGETICO.

La validità del presente certificato **qualityaustria** resta in vigore sulla base degli audit annuali di controllo e degli audit speciali di prolungamento.

Il presente certificato **qualityaustria** attesta l'applicazione e il successivo sviluppo di un sistema di gestione della qualità in conformità con i requisiti dello standard **ISO 14001:2015**.

**SISTEMA DI GESTIONE DELL'AMBIENTE**  
 in conformità con i requisiti dello standard **ISO 14001:2015**

Numero di registrazione: 0173350  
 Prima edizione: 22 febbraio 2012  
 Valido fino a: 1 marzo 2021

Vienna, 30 marzo 2018  
 Quality Austria - Trainings, Zertifizierungs und Begutachtung GmbH  
 AT-1010 Vienna, Zisterngasse 10/3

Signatures removed for security

Konrad Scheiber, Direttore Generale / Di Axel Dick, MSZ, Responsabile

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 è conforme ai requisiti della normativa  
 complies the requirements of the standard

**UNI 11352:2014**

# Certifications

## Company

Pandora Green S.p.a. is certified through: 1) ISO-9001 - Quality 2) ISO-14001 - Environment 3) UNI-11352 - E.S.Co.  
 Pandora Green's team is certified according to UNI CEI 11339

## Products

All of our products are in compliance with Worldwide standards and directives like CE (LVD, EMC, EMF, Photobiological risk, ROHS); UL, DLC, SAA, InMetro and ErP. Before being put on the market, our lighting devices are tested by the best laboratories in the world like: TUV - Austria TUV - German Eurofins VDE UL IMQ Elettra



# Research & Development

## Research

Thanks to cooperation with the best Italian universities, we could work with the most important professionals in the field focusing on Energy saving, design, optical and electronic sectors. We always provide an updated technology to our customers to deliver the best quality and energy saving.

## Components

We use recognized electronic components on the market to realize our lighting devices with best performances. We are always looking and testing for the best LED chips and the best drivers to ensure our customers a service in line with their expectations. Cree, Bridgelux, Harvard Engineering, Meanwell, are just some of the brands that we use in our products. We always pay attention to the materials we use with very strict quality control in compliance with always the main European and World directives.



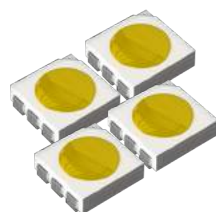
# LED Technology

## SMD

SMD is an acronym of Surface-Mounted-Device, which signs a new frontier of electronic technology. The component SMD is installed on a printed circuits board (PCB), by welding and without drilling the PCB. This type of LED chip improves the assembly process by reducing the costs and, thanks to the small dimensions, containing obtain more compact equipments. The package of a SMD Chip is composed by a rectangular parallelepiped of plastic material, whose dimensions determine the name of the chip and on the top face of the chip is placed the emitting surface. Our devices mainly use SMD Chip 2835, 3014, 3020, 3030

## COB

COB is an acronym of Chips On Board: many LED chips not encapsulated are assembled together in a single conductor module and the connections are made using the technique of "Wire Bonding". With this technology, the light source is concentrated in a smaller area and this allows both a better control of the light beam and a more efficient thermal dissipation. Thanks to these features the lighting devices with chip COB can be used for a wide range of applications



# LED Technology Features

## Energy Efficiency

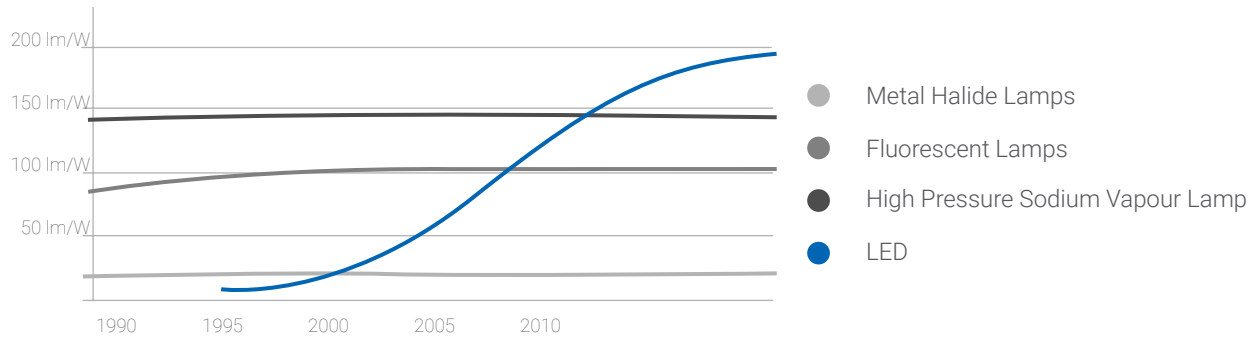
Efficient LED technology provides for long-term reduction of energy consumption.

In commercial institutions, lighting accounts for a very high portion of operating costs. At least 30 percent of costs are accounted for by lighting alone.

Modern LED technology is clearly more efficient than current fluorescent lamps frequently used. The light output of LED luminaires will increase while decreasing energy consumption. LED lighting offers superior illumination for a fraction of the energy used in current bulbs.

### EVOLUTION OF WHITE LED

#### Luminous Flux



## Maintenance

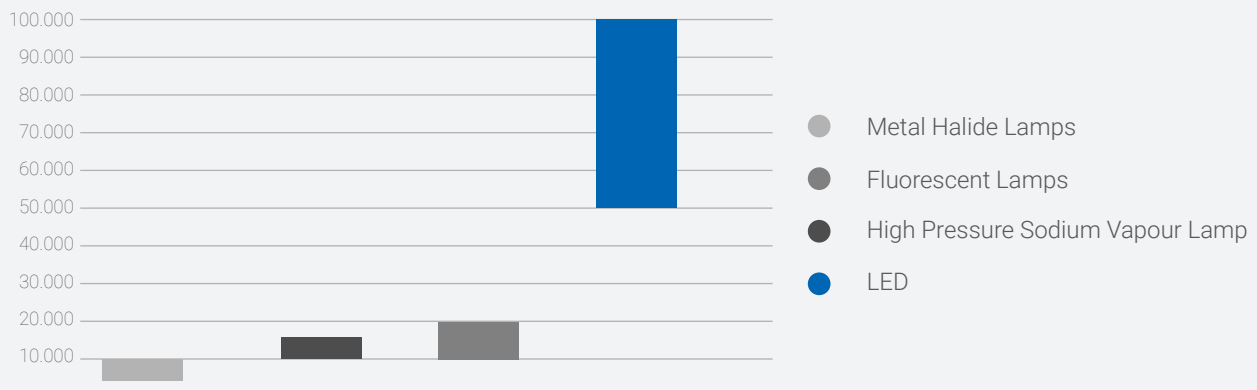
Durable LED luminaires are virtually maintenance-free.

Reducing maintenance allows for an increase in workforce productivity, decreasing the disruption of operations.

With an average service life of 50,000 hours and a guaranteed end-of-life luminous flux in excess of 80 percent, LED luminaires are virtually maintenance free for an extensive period of time. The LED light source, batten and optics form a unit. Due to the compact design, cleaning is simpler.

For example, an HID lamp has a lumen depreciation of 60 percent within a few months, requiring frequent replacement.

#### Lifetime (Hours)



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Replaceable Led Tube



High Lumen Led Tube



Radar Led Tube



360° Led Tube



Glass Led Tube



Aluminum Led Tube



T5.7 Led Tube



T5 Led Tube

## LED Panels

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Prismatic Led Panel 130



Prismatic Led Panel 100



Mini Led Panel



120x60 Led Panel



IP65 Led Panel



School Led



Up&Down Led Panel



Eye Series Led Panel



Led Troffer

## LED Shop Light Series

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DL96 Led Downlight



Halo Downlight



DL Downlight



DL54 Led Downlight



DL98 Led Downlight



C Series Low Glare Downlight



C Series Low Glare Downlight IP65



Shop Downlight



DL38 Led Downlight



Track Light

## LED Linear Light

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Led Trunking Light



Mercury Linear Light Premium - Opal



Mercury Linear Light Premium - Microprismatic



Mercury Linear Light Premium - Par



Mercury Corner Light Premium

## LED Waterproof Light

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Led Weatherproof Light



Led Tiproof



Mars Led Premium



Mars Led Narrow Beam



Round Led IP66

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Ufo High Bay



High Bay T Series



High Lumen Smart High Bay



Linear High Bay HR

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## LED Flood Light



Flood Light A Series



Flood Light HS Series

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## LED High Mast



High Mast 120 Series



Modular High Mast

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## LED Street Light



180° Street Light



360° Street Light



360° Street Light



360° Street Light



Urban Light



Polaris Street Light

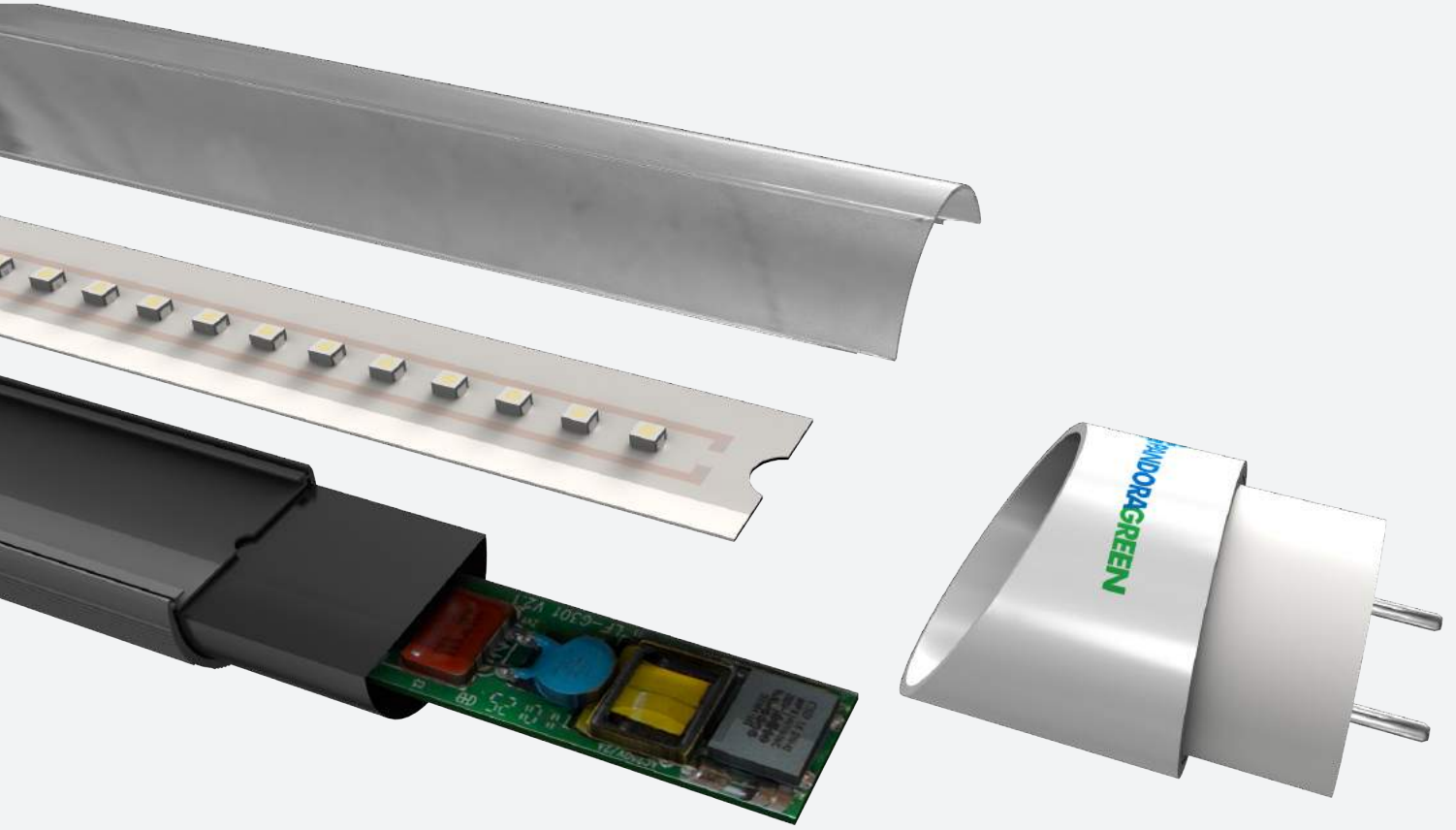


Cygnus Street Light



Orion Street Light





# LED Tubes

## Description

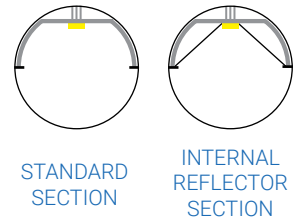
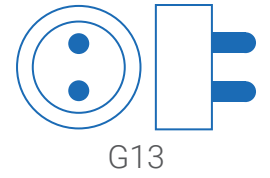
The LED Tube series is characterized by a high lighting performance able to generating enormous energy savings compared to the traditional fluorescent tubes, ideal for general lighting or accent lighting in offices, shopping centers, and underground parking lots.

## Certifications



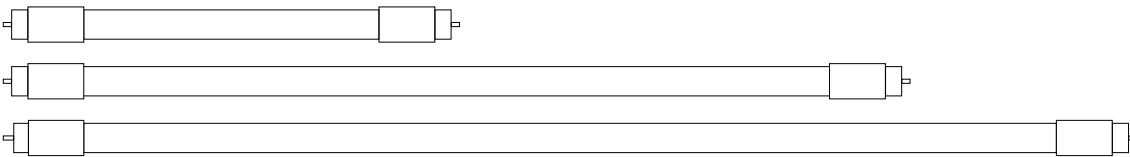
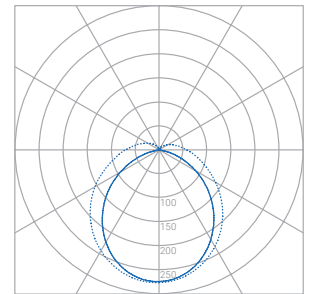


# REPLACEABLE LED TUBE

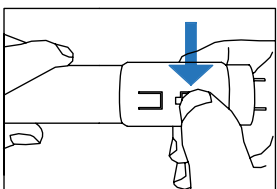


## Rotatable End Cap

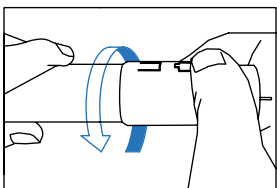
Product	LXD (mm)	Weight (Kg)
MG-T8-9W600	588x26	0,2
MG-T8-12W1200	1198x26	0,4
MG-T8-15W1200	1198x26	0,4
MG-T8-18W1200	1198x26	0,4
MG-T8-22W1500	1498x26	0,5



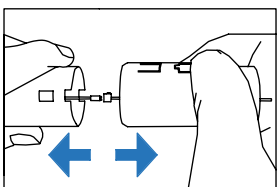
## REPLACEABLE DRIVER



1. Press the buttons on the back side of end-cap



2. Rotate the end cap



3. Remove the connection between the driver and the led string through the appropriate terminal



# REPLACEABLE LED TUBE

## STANDARD

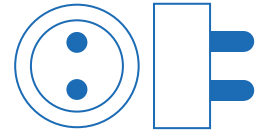
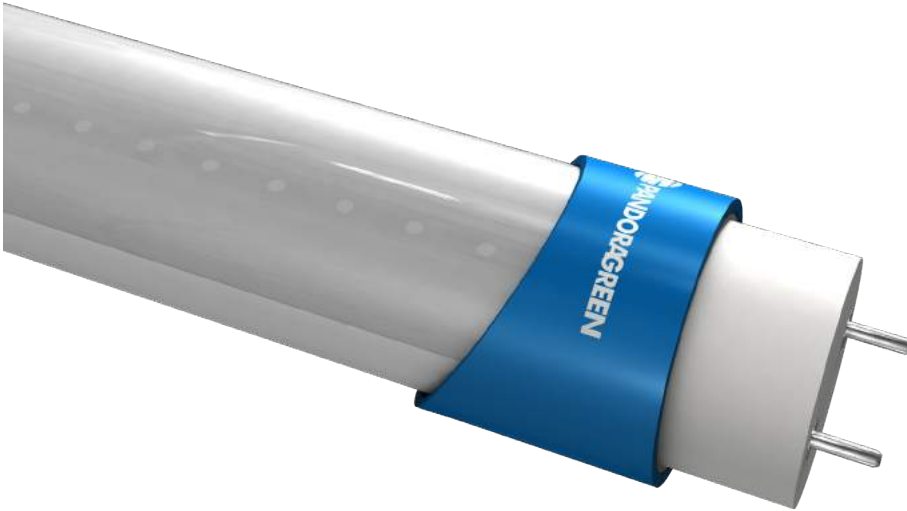
	MG-T8-9W600	MG-T8-12W1200	MG-T8-15W1200	MG-T8-18W1200	MG-T8-22W1500
Input	220 ~ 240 VAC	220 ~ 240 VAC	220 ~ 240 VAC	220 ~ 240 VAC	220 ~ 240 VAC
Frequency	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz
Nominal Power	9W	12W	15W	18W	22W
Equivalent Power	18W	36W	36W	36W	58W
LED Type / Q.ty	SMD 2835 / 72pcs	SMD 2835 / 100pcs	SMD 2835 / 120pcs	SMD 2835 / 144pcs	SMD 2835 / 189pcs
Output	60V ~ 80V / 120mA	60V ~ 80V / 160mA	60V ~ 80V / 220mA	60V ~ 80V / 250mA	60V ~ 80V / 260mA
LED Chip Input	2.5V ~ 3.3V / 40mA	2.5V ~ 3.3V / 40mA	2.5V ~ 3.3V / 40mA	2.5V ~ 3.3V / 40mA	2.5V ~ 3.3V / 40mA
Power Factor	> 0.90	> 0.90	> 0.90	> 0.90	> 0.90
Nominal Flux	1.300 lm	1.800 lm	2.300 lm	2.700 lm	3.300 lm
Output Flux	1.125 lm	1.600 lm	2.000 lm	2.400 lm	2.900 lm
Luminous Efficacy	125 lm/W	130 lm/W	130 lm/W	130 lm/W	130 lm/W
CCT	3000K - 4000K - 6000K	3000K - 4000K - 6000K	3000K - 4000K - 6000K	3000K - 4000K - 6000K	3000K - 4000K - 6000K
CRI (Ra)	> 80	> 80	> 80	> 80	> 80
Beam Angle	120°	120°	120°	120°	120°
IP Protection	IP34	IP34	IP34	IP34	IP34
Operating Temperature	-20 °C ~ 40 °C	-20 °C ~ 40 °C	-20 °C ~ 40 °C	-20 °C ~ 40 °C	-20 °C ~ 40 °C
THDi (220 V)	< 20%	< 20%	< 20%	< 20%	< 20%
Useful Life	> 50.000 Hours (L80)	> 50.000 Hours (L80)	> 50.000 Hours (L80)	> 50.000 Hours (L80)	> 50.000 Hours (L80)
Material	PC UL94 V2+ Aluminum	PC UL94 V2+ Aluminum	PC UL94 V2+ Aluminum	PC UL94 V2+ Aluminum	PC UL94 V2+ Aluminum
Cover	Clear / Frost	Clear / Frost	Clear / Frost	Clear / Frost	Clear / Frost
Other Characteristics	Flicker Free on Demand	Flicker Free on Demand	Flicker Free on Demand	Flicker Free on Demand	Flicker Free on Demand

## INTERNAL REFLECTOR

	MG-T8-9W600-IR	MG-T8-12W1200-IR	MG-T8-15W1200-IR	MG-T8-18W1200-IR	MG-T8-22W1500-IR
Input	220 ~ 240 VAC	220 ~ 240 VAC	220 ~ 240 VAC	220 ~ 240 VAC	220 ~ 240 VAC
Frequency	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz
Nominal Power	9W	12W	15W	18W	22W
Equivalent Power	18W	36W	36W	36W	58W
LED Type / Q.ty	SMD 2835 / 72pcs	SMD 2835 / 100pcs	SMD 2835 / 120pcs	SMD 2835 / 144pcs	SMD 2835 / 189pcs
Output	60V ~ 80V / 120mA	60V ~ 80V / 160mA	60V ~ 80V / 220mA	60V ~ 80V / 250mA	60V ~ 80V / 260mA
LED Chip Input	2.5V ~ 3.3V / 40mA	2.5V ~ 3.3V / 40mA	2.5V ~ 3.3V / 40mA	2.5V ~ 3.3V / 40mA	2.5V ~ 3.3V / 40mA
Power Factor	> 0.90	> 0.90	> 0.90	> 0.90	> 0.90
Nominal Flux	1.300 lm	1.800 lm	2.300 lm	2.700 lm	3.300 lm
Output Flux	1.215 lm	1.700lm	2.150 lm	2.550 lm	3.100 lm
Luminous Efficacy	135 lm/W	140 lm/W	140 lm/W	140 lm/W	140 lm/W
CCT	3000K - 4000K - 6000K	3000K - 4000K - 6000K	3000K - 4000K - 6000K	3000K - 4000K - 6000K	3000K - 4000K - 6000K
CRI (Ra)	> 80	> 80	> 80	> 80	> 80
Beam Angle	120°	120°	120°	120°	120°
IP Protection	IP34	IP34	IP34	IP34	IP34
Operating Temperature	-20 °C ~ 40 °C	-20 °C ~ 40 °C	-20 °C ~ 40 °C	-20 °C ~ 40 °C	-20 °C ~ 40 °C
THDi (220 V)	< 20%	< 20%	< 20%	< 20%	< 20%
Useful Life	> 50.000 Hours (L80)	> 50.000 Hours (L80)	> 50.000 Hours (L80)	> 50.000 Hours (L80)	> 50.000 Hours (L80)
Material	PC UL94 V2+ Aluminum	PC UL94 V2+ Aluminum	PC UL94 V2+ Aluminum	PC UL94 V2+ Aluminum	PC UL94 V2+ Aluminum
Cover	Clear / Frost	Clear / Frost	Clear / Frost	Clear / Frost	Clear / Frost
Other Characteristics	Flicker Free on Demand	Flicker Free on Demand	Flicker Free on Demand	Flicker Free on Demand	Flicker Free on Demand



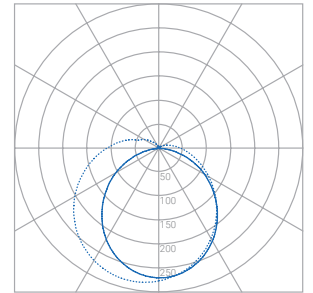
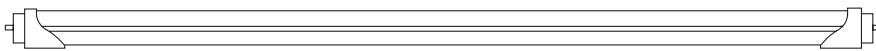
# HIGH LUMEN LED TUBE



G13

Rotatable  
End Cap

Product	LXD (mm)	Weight (Kg)
PG-T8-7W600	588x26	0,2
PG-T8-10W600	588x26	0,2
PG-T8-15W1200	1198x26	0,4
PG-T8-18W1200	1198x26	0,4
PG-T8-22W1500	1498x26	0,5
PG-T8-25W1500	1498x26	0,5



600 mm

	PG-T8-7W600-110	PG-T8-10W600-110	PG-T8-7W600-130	PG-T8-10W600-130
Input	220 ~ 240 VAC / 50-60 Hz	220 ~ 240 VAC / 50-60 Hz	220 ~ 240 VAC / 50-60 Hz	220 ~ 240 VAC / 50-60 Hz
Lamp Base	G13	G13	G13	G13
Power	7W	10W	7W	10W
Equivalent Power	18W	18W	18W	18W
LED Type	SMD 2835	SMD 2835	SMD 2835	SMD 2835
Input Chip LED	45mA / 3V (Max. 150mA)	45mA / 3V (Max. 150mA)	45mA / 3V (Max. 150mA)	45mA / 3V (Max. 150mA)
Integrated Driver Input	Max 250mA @ 100 ~ 240 VAC	Max 250mA @ 100 ~ 240 VAC	Max 250mA @ 100 ~ 240 VAC	Max 250mA @ 100 ~ 240 VAC
Power Factor	> 0.90	> 0.90	> 0.90	> 0.90
Nominal Flux	900 lm	1.300 lm	1.100 lm	1.600 lm
Output Flux	770 lm	1.100 lm	910 lm	1.300 lm
Output Luminous Efficacy	110 lm/W	110 lm/W	130 lm/W	130 lm/W
CCT	3000K - 4000K - 6000K	3000K - 4000K - 6000K	3000K - 4000K - 6000K	3000K - 4000K - 6000K
CRI (Ra)	> 80	> 80	> 80	> 80
Beam Angle	> 120°	> 120°	> 120°	> 120°
IP Protection	IP34	IP34	IP34	IP34
Operating Temperature	-20 °C ~ 40 °C	-20 °C ~ 40 °C	-20 °C ~ 40 °C	-20 °C ~ 40 °C
THDi (220 V)	< 20%	< 20%	< 20%	< 20%
Useful Life	> 50.000 Hours (L80)	> 50.000 Hours (L80)	> 50.000 Hours (L80)	> 50.000 Hours (L80)
Cover	Clear / Frost	Clear / Frost	Clear / Frost	Clear / Frost
Material	Polycarbonate PC UL94 V2	Polycarbonate PC UL94 V2	Polycarbonate PC UL94 V2	Polycarbonate PC UL94 V2

# HIGH LUMEN LED TUBE

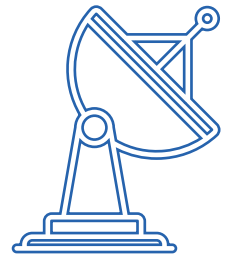
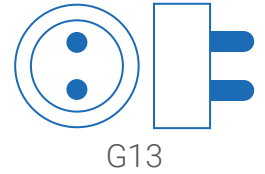
1200 mm

	PG-T8-15W1200-110	PG-T8-18W1200-110	PG-T8-15W1200-130	PG-T8-18W1200-130
Input	220 ~ 240 VAC / 50-60 Hz	220 ~ 240 VAC / 50-60 Hz	220 ~ 240 VAC / 50-60 Hz	220 ~ 240 VAC / 50-60 Hz
Lamp Base	G13	G13	G13	G13
Power	15W	18W	15W	18W
Equivalent Power	36W	36W	36W	36W
LED Type	SMD 2835	SMD 2835	SMD 2835	SMD 2835
Input Chip LED	45mA / 3V (Max. 150mA)	45mA / 3V (Max. 150mA)	45mA / 3V (Max. 150mA)	45mA / 3V (Max. 150mA)
Integrated Driver Input	Max 250mA @ 100 ~ 240 VAC	Max 250mA @ 100 ~ 240 VAC	Max 250mA @ 100 ~ 240 VAC	Max 250mA @ 100 ~ 240 VAC
Power Factor	> 0.90	> 0.90	> 0.90	> 0.90
Nominal Flux	1.900 lm	2.400 lm	2.400 lm	2.800 lm
Output Flux	1.650 lm	2.000 lm	1.950 lm	2.340 lm
Output Luminous Efficacy	110 lm/W	110 lm/W	130 lm/W	130 lm/W
CCT	3000K - 4000K - 6000K	3000K - 4000K - 6000K	3000K - 4000K - 6000K	3000K - 4000K - 6000K
CRI (Ra)	> 80	> 80	> 80	> 80
Beam Angle	> 120°	> 120°	> 120°	> 120°
IP Protection	IP34	IP34	IP34	IP34
Operating Temperature	-20 °C ~ 40 °C	-20 °C ~ 40 °C	-20 °C ~ 40 °C	-20 °C ~ 40 °C
THDi (220 V)	< 20%	< 20%	< 20%	< 20%
Useful Life	> 50.000 Hours (L80)	> 50.000 Hours (L80)	> 50.000 Hours (L80)	> 50.000 Hours (L80)
Cover	Clear / Frost	Clear / Frost	Clear / Frost	Clear / Frost
Material	Polycarbonate PC UL94 V2	Polycarbonate PC UL94 V2	Polycarbonate PC UL94 V2	Polycarbonate PC UL94 V2

1500 mm

	PG-T8-22W1500-110	PG-T8-25W1500-110	PG-T8-22W1500-130	PG-T8-25W1500-130
Input	220 ~ 240 VAC / 50-60 Hz	220 ~ 240 VAC / 50-60 Hz	220 ~ 240 VAC / 50-60 Hz	220 ~ 240 VAC / 50-60 Hz
Lamp Base	G13	G13	G13	G13
Power	22W	25W	22W	25W
Equivalent Power	58W	58W	58W	58W
LED Type	SMD 2835	SMD 2835	SMD 2835	SMD 2835
Input Chip LED	45mA / 3V (Max. 150mA)	45mA / 3V (Max. 150mA)	45mA / 3V (Max. 150mA)	45mA / 3V (Max. 150mA)
Integrated Driver Input	Max 250mA @ 100 ~ 240 VAC	Max 250mA @ 100 ~ 240 VAC	Max 250mA @ 100 ~ 240 VAC	Max 250mA @ 100 ~ 240 VAC
Power Factor	> 0.90	> 0.90	> 0.90	> 0.90
Nominal Flux	2.800 lm	3.100 lm	3.400 lm	3.900 lm
Output Flux	2.450 lm	2.750 lm	2.860 lm	3.250 lm
Output Luminous Efficacy	110 lm/W	110 lm/W	130 lm/W	130 lm/W
CCT	3000K - 4000K - 6000K	3000K - 4000K - 6000K	3000K - 4000K - 6000K	3000K - 4000K - 6000K
CRI (Ra)	> 80	> 80	> 80	> 80
Beam Angle	> 120°	> 120°	> 120°	> 120°
IP Protection	IP34	IP34	IP34	IP34
Operating Temperature	-20 °C ~ 40 °C	-20 °C ~ 40 °C	-20 °C ~ 40 °C	-20 °C ~ 40 °C
THDi (220 V)	< 20%	< 20%	< 20%	< 20%
Useful Life	> 50.000 Hours (L80)	> 50.000 Hours (L80)	> 50.000 Hours (L80)	> 50.000 Hours (L80)
Cover	Clear / Frost	Clear / Frost	Clear / Frost	Clear / Frost
Material	Polycarbonate PC UL94 V2	Polycarbonate PC UL94 V2	Polycarbonate PC UL94 V2	Polycarbonate PC UL94 V2

# RADAR LED TUBE



## RADAR FUNCTION

Radar Led Tubes increase the saving already generated by the LED technology (which is on average more than 60%) of an additional 20%.

Once installed, the Radar Led Tube works at full power (luminous flux at 100%).

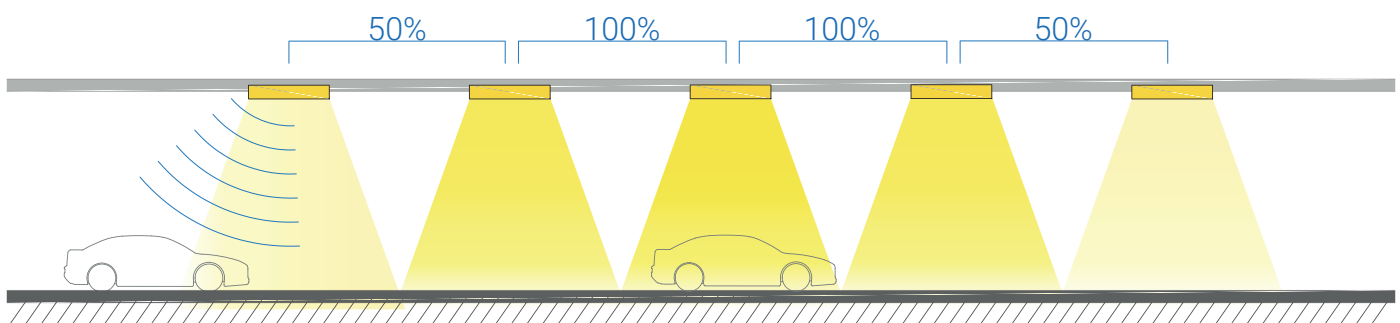
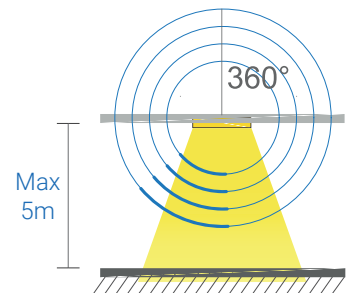
**If the radar detects no car or pedestrian motion, after one minute the flow is automatically dimmed to 50%.**

The low end percentage is necessary to ensure safety, while increasing total energy saving.

As soon as the radar detects even a micro-movement, within a 5 meters radius, the luminous flux instantly returns at 100%.

The dimming option works through **microwave** technology, thanks to an integrated **radar** sensor on board.

The percentage of dimming may be as low as 30 % of the full power flow.



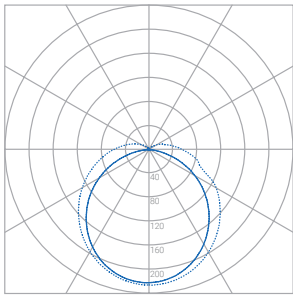
The radar recognizes the vehicle or pedestrian moving in the area.

The lamps go from power saving mode to full power mode.

Lamp in power saving mode.

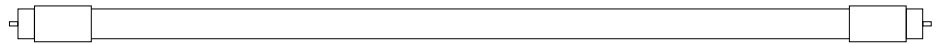
# RADAR LED TUBE

## PHOTOMETRIC CURVE



## DIMENSIONS

Product	LXD (mm)	Weight (Kg)
PG-T8-10W600RS	588x26	0,2
PG-T8-15W1200RS	1198x26	0,4
PG-T8-18W1200RS	1198x26	0,4
PG-T8-22W1500RS	1498x26	0,5



## SENSOR FEATURES

Sensor Type	Presence Sensor
Sensor Position	Integrated on Led Tube
Technology	Microwave
Detection System	Radar
Detection Angle	360°
Detection Diameter	10m
Detection Height	5m
Percentage of Dimming	50%
Timing to Full Brightness	1 minute

## LED TUBE FEATURES

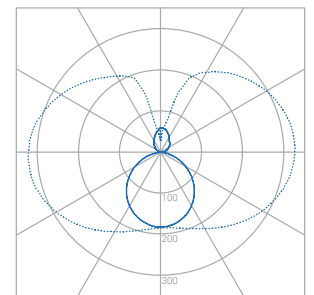
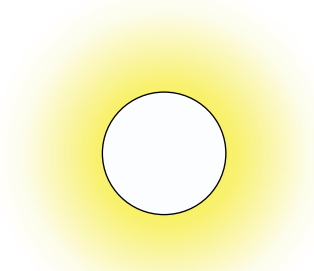
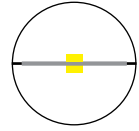
	PG-T8-10W600RS	PG-T8-15W1200RS	PG-T8-18W1200RS	PG-T8-22W1500RS
Input	100 ~ 240 VAC / 50-60 Hz	100 ~ 240 VAC / 50-60 Hz	100 ~ 240 VAC / 50-60 Hz	100 ~ 240 VAC / 50-60 Hz
Lamp Base	G13	G13	G13	G13
Power	10W	15W	18W	22W
Equivalent Power	18W	36W	36W	58W
LED Type	SMD 2835	SMD 2835	SMD 2835	SMD 2835
Input Chip LED	45mA / 3V (Max. 150mA)	45mA / 3V (Max. 150mA)	45mA / 3V (Max. 150mA)	45mA / 3V (Max. 150mA)
Integrated Driver Input	Max 250mA @ 100 ~ 240 VAC	Max 250mA @ 100 ~ 240 VAC	Max 250mA @ 100 ~ 240 VAC	Max 250mA @ 100 ~ 240 VAC
Power Factor	> 0.90	> 0.90	> 0.90	> 0.90
Nominal Flux	1.600 lm	2.400 lm	2.800 lm	3.400 lm
Output Flux	1.300 lm	1.950 lm	2.340 lm	2.860 lm
Output Luminous Efficacy	130 lm/W	130 lm/W	130 lm/W	130 lm/W
CCT	3000K - 4000K - 6000K	3000K - 4000K - 6000K	3000K - 4000K - 6000K	3000K - 4000K - 6000K
CRI (Ra)	> 80	> 80	> 80	> 80
Beam Angle	> 120°	> 120°	> 120°	> 120°
IP Protection	IP20	IP20	IP20	IP20
Operating Temperature	-20 ° C ~ 40 ° C	-20 ° C ~ 40 ° C	-20 ° C ~ 40 ° C	-20 ° C ~ 40 ° C
THDi (220 V)	< 20%	< 20%	< 20%	< 20%
Useful Life	> 50.000 Hours (L80)	> 50.000 Hours (L80)	> 50.000 Hours (L80)	> 50.000 Hours (L80)
Cover	Frost	Frost	Frost	Frost
Material	Polycarbonate PC UL94 V2	Polycarbonate PC UL94 V2	Polycarbonate PC UL94 V2	Polycarbonate PC UL94 V2



# 360° LED TUBE

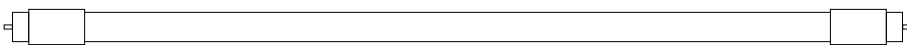


G13

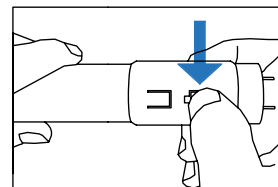


## Rotatable End Cap

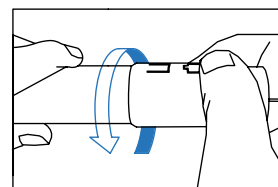
Product	LXD (mm)	Weight (Kg)
MG-T8-12W1200-360	1198x26	0,4
MG-T8-22W1500-360	1498x26	0,5



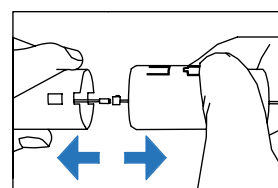
	MG-T8-12W1200-360	MG-T8-22W1500-360
Input	220 ~ 240 VAC	220 ~ 240 VAC
Frequency	50-60 Hz	50-60 Hz
Nominal Power	12W	22W
Equivalent Power	36W	58W
LED Type / Q.ty	SMD 2835 / 100pcs	SMD 2835 / 189pcs
Output	60V ~ 80V / 160mA	60V ~ 80V / 260mA
LED Chip Input	2.5V ~ 3.3V / 40mA	2.5V ~ 3.3V / 40mA
Power Factor	> 0.90	> 0.90
Nominal Flux	1.400 lm	3.400 lm
Output Flux	1.200 lm	2.200 lm
Luminous Efficacy	100 lm/W	100 lm/W
Color Temperature	3000K - 4000K - 6000K	3000K - 4000K - 6000K
CRI (Ra)	> 80	> 80
Beam Angle	360°	360°
IP Protection	IP20	IP20
Operating Temperature	-20 ° C ~ 40 ° C	-20 ° C ~ 40 ° C
THDi (220 V)	< 20%	< 20%
LM80	> 50.000 Hours (L80)	> 50.000 Hours (L80)
Material	PC UL94 V2+ Aluminum	PC UL94 V2+ Aluminum
Cover	Frost / Transparent	Frost / Transparent
Other Characteristics	Flicker Free on Demand	Flicker Free on Demand



1. Press the buttons on the back side of end-cap



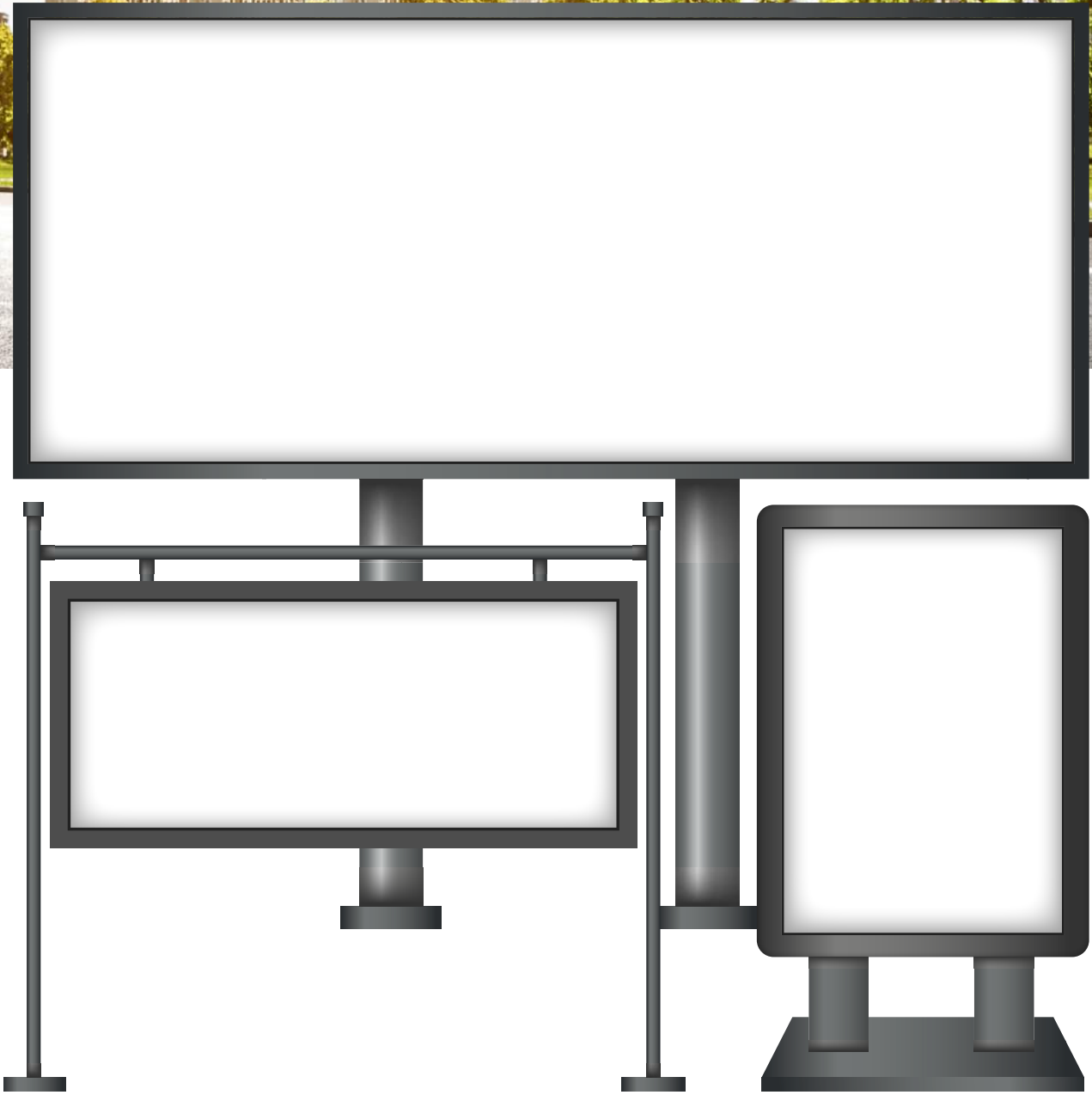
2. Rotate the end cap



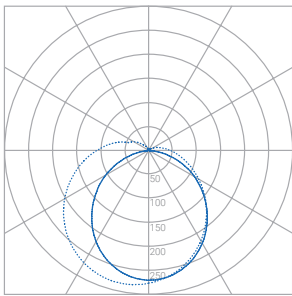
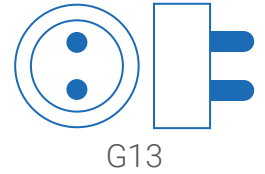
3. Remove the connection between the driver and the led string through the appropriate terminal

# 360° LED TUBES

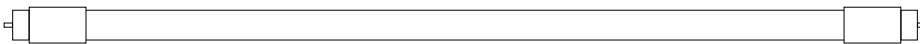
IDEAL FOR ADVERTISING



# GLASS LED TUBE

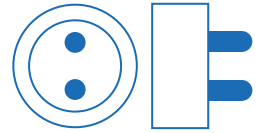


Product	LXD (mm)	Weight (Kg)
PG-T8G-9W600	588x26	0,2
PG-T8-18W1200	1198x26	0,4
PG-T8-24W1500	1498x26	0,5



	PG-T8G-9W600	PG-T8G-18W1200	PG-T8-24W1500
Input	220 ~ 240 VAC / 50-60 Hz	100 ~ 240 VAC / 50-60 Hz	100 ~ 240 VAC / 50-60 Hz
Lamp Base	G13	G13	G13
Power	9W	18W	24W
Equivalent Power	18W	36W	58W
LED Type	SMD 2835	SMD 2835	SMD 2835
Power Factor	> 0.90	> 0.90	> 0.90
Nominal Flux	1.000 lm	1.900 lm	2.600 lm
Output Flux	900 lm	1.800 lm	2.400 lm
Output Luminous Efficacy	100 lm/W	100 lm/W	100 lm/W
CCT	3000K - 4000K - 6000K	3000K - 4000K - 6000K	3000K - 4000K - 6000K
CRI (Ra)	> 80	> 80	> 80
Beam Angle	> 120°	> 120°	> 120°
IP Protection	IP20	IP20	IP20
Operating Temperature	-20 °C ~ 40 °C	-20 °C ~ 40 °C	-20 °C ~ 40 °C
Storage Temperature	-20 °C ~ 40 °C	-20 °C ~ 40 °C	-20 °C ~ 40 °C
Useful Life	> 35.000 Hours (L70)	35.000 Hours (L70)	35.000 Hours (L70)
Material	Glass + PET	Glass + PET	Glass + PET

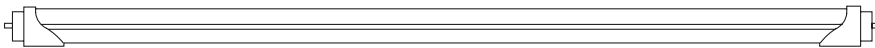
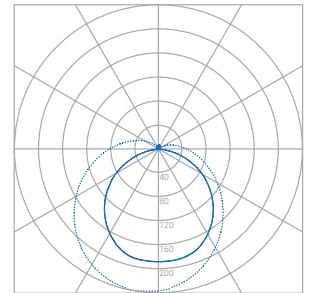
# ALUMINUM LED TUBE



G13

Rotatable  
End Cap

Product	LXD (mm)	Weight (Kg)
MR-T8-10W600	588x26	0,2
MR-T8-15W1200	1198x26	0,4
MR-T8-18W1200	1198x26	0,4
MR-T8-22W1500	1498x26	0,5
MR-T8-25W1500	1498x26	0,5



	MR-T8-10W600	MR-T8-15W1200	MR-T8-18W1200	MR-T8-22W1500	MR-T8-25W1500
Input	100 ~ 240 VAC	100 ~ 240 VAC	100 ~ 240 VAC	100 ~ 240 VAC	100 ~ 240 VAC
Frequency	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz
Lamp Base	G13	G13	G13	G13	G13
Power	10W	15W	18W	22W	25W
Equivalent Power	18W	36W	36W	58W	58W
LED Type	SMD 2835	SMD 2835	SMD 2835	SMD 2835	SMD 2835
Input Chip LED	45mA / 3V (Max. 150mA)	45mA / 3V (Max. 150mA)	45mA / 3V (Max. 150mA)	45mA / 3V (Max. 150mA)	45mA / 3V (Max. 150mA)
Power Factor	> 0.90	> 0.90	> 0.90	> 0.90	> 0.90
Nominal Flux	1.200 lm	1.700 lm	2.000 lm	3.400 lm	3.900 lm
Output Flux	1.100 lm	1.600 lm	1.900 lm	2.860 lm	3.250 lm
Output Lum. Efficacy	> 100 lm/W	> 100 lm/W	> 100 lm/W	> 100 lm/W	> 100 lm/W
CCT	3000K - 4000K - 6000K	3000K - 4000K - 6000K	3000K - 4000K - 6000K	3000K - 4000K - 6000K	3000K - 4000K - 6000K
CRI (Ra)	> 80	> 80	> 80	> 80	> 80
Beam Angle	> 120°	> 120°	> 120°	> 120°	> 120°
IP Protection	IP20	IP20	IP20	IP20	IP20
Operating Temperature	-20 °C ~ 40 °C	-20 °C ~ 40 °C	-20 °C ~ 40 °C	-20 °C ~ 40 °C	-20 °C ~ 40 °C
THDi (220 V)	< 20%	< 20%	< 20%	< 20%	< 20%
Useful Life	> 50.000 Hours (L80)	> 50.000 Hours (L80)	> 50.000 Hours (L80)	> 50.000 Hours (L80)	> 50.000 Hours (L80)
Cover	Clear / Frost	Clear / Frost	Clear / Frost	Clear / Frost	Clear / Frost
Material	Aluminum + PC	Aluminum + PC	Aluminum + PC	Aluminum + PC	Aluminum + PC

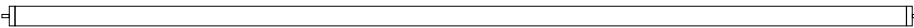
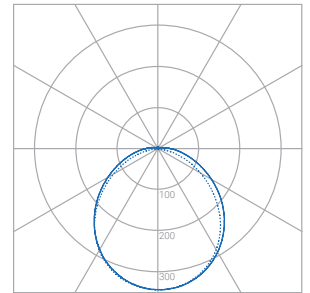
# T5.7 LED TUBE



G5

Rotatable  
End Cap

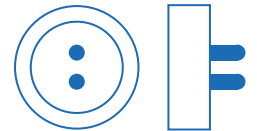
Product	LXD (mm)	Weight (Kg)
PG-T5.7-8W600	548x22	0,2
PG-T5.7-12W900	848x22	0,3
PG-T5.7-16W1200	1148x22	0,4
PG-T5.7-20W1500	1448x22	0,5
PG-T5.7-26W1500	1448x22	0,5



	PG-T5.7-8W600	PG-T5.7-12W900	PG-T5.7-16W1200	PG-T5.7-20W1500	PG-T5.7-26W1500
Input	220 ~ 240 VAC	220 ~ 240 VAC	220 ~ 240 VAC	220 ~ 240 VAC	220 ~ 240 VAC
Frequency	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz
Lamp Base	G5	G5	G5	G5	G5
Power	8W	12W	16W	20W	26W
Equivalent Power	14W	21W	28W	35W	35W
LED Type	SMD 2835	SMD 2835	SMD 2835	SMD 2835	SMD 2835
Power Factor	> 0.90	> 0.90	> 0.90	> 0.90	> 0.90
Nominal Flux	1.000 lm	1.400 lm	1.800 lm	2.200 lm	2.800 lm
Output flux	790 lm	1.250 lm	1.650 lm	2.090 lm	2.600 lm
Luminous Efficacy	≥ 100 lm/W	≥ 100 lm/W	≥ 100 lm/W	≥ 100 lm/W	≥ 100 lm/W
Color Temperature	3000K - 4000K - 6000K	3000K - 4000K - 6000K	3000K - 4000K - 6000K	3000K - 4000K - 6000K	3000K - 4000K - 6000K
CRI (Ra)	> 80	> 80	> 80	> 80	> 80
Beam Angle	> 120°	> 120°	> 120°	> 120°	> 120°
IP Protection	IP20	IP20	IP20	IP20	IP20
Operating Temperature	-20 °C ~ 40 °C	-20 °C ~ 40 °C	-20 °C ~ 40 °C	-20 °C ~ 40 °C	-20 °C ~ 40 °C
Useful Life	> 50.000 Hours	> 50.000 Hours	> 50.000 Hours	> 50.000 Hours	> 50.000 Hours
Material	Polycarbonate PC + AL	Polycarbonate PC + AL	Polycarbonate PC + AL	Polycarbonate PC + AL	Polycarbonate PC + AL
Cover	Clear / Frost	Clear / Frost	Clear / Frost	Clear / Frost	Clear / Frost

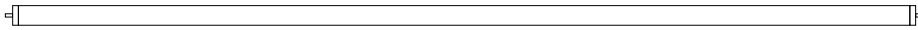
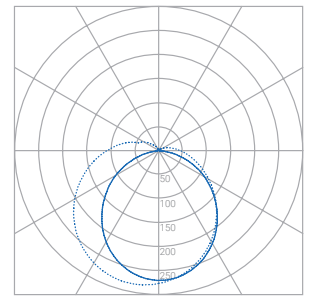


# T5 LED TUBE

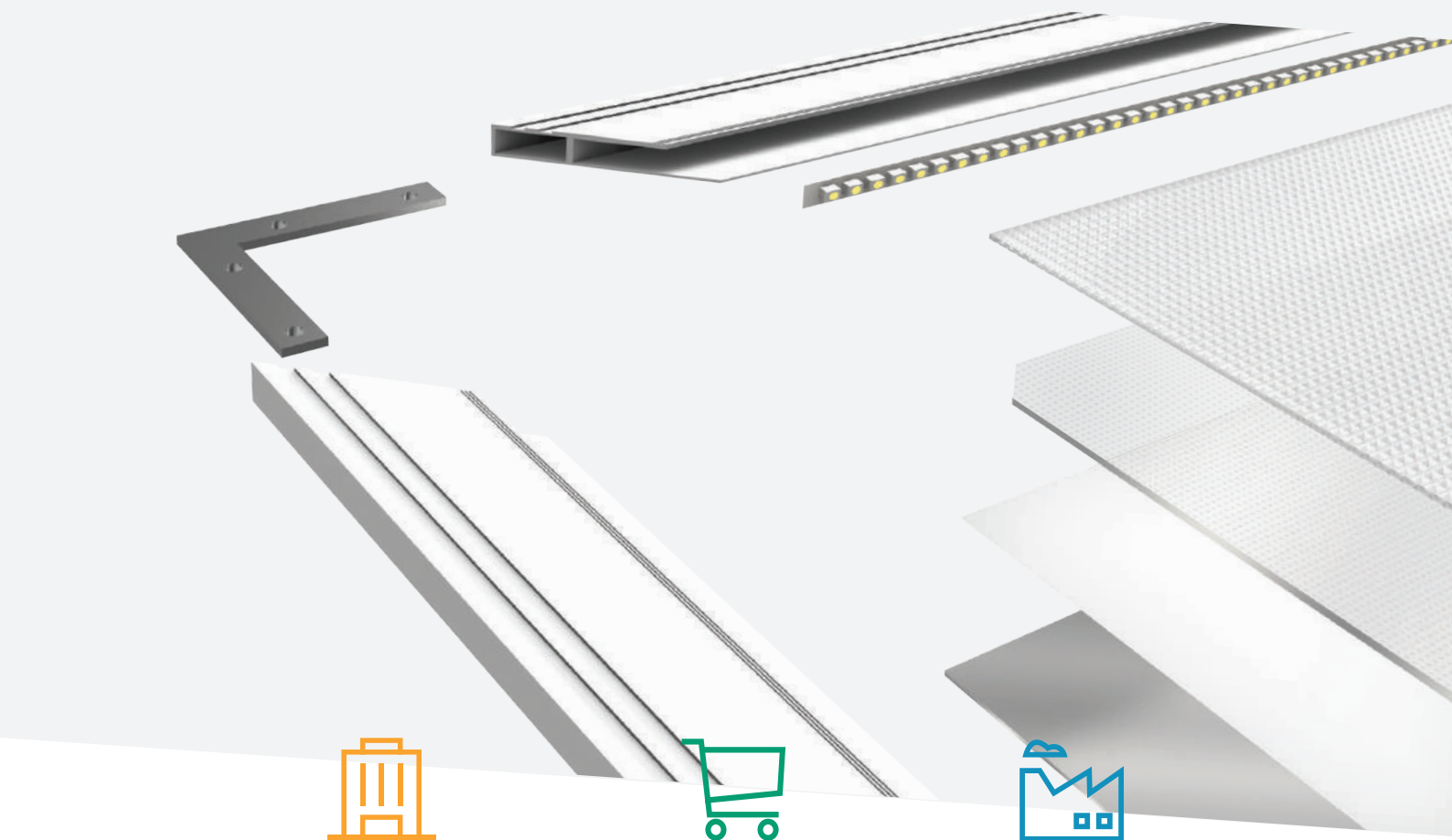


G5

Product	LXD (mm)	Weight (Kg)
PG-T5-8W600	549x18,4	0,2
PG-T5-12W900	849x18,4	0,3
PG-T5-16W1200	1149x18,4	0,4
PG-T5-24W1500	1449x18,4	0,5



	PG-T5-8W600	PG-T5-12W900	PG-T5-16W1200	PG-T5-24W1500
Input	220 ~ 240 VAC	220 ~ 240 VAC	220 ~ 240 VAC	220 ~ 240 VAC
Frequency	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz
Lamp Base	G5	G5	G5	G5
Power	8W	12W	16W	24W
Equivalent Power	14W	21W	28W	35W
LED Type	SMD 2835	SMD 2835	SMD 2835	SMD 2835
Power Factor	> 0.90	> 0.90	> 0.90	> 0.90
Nominal Flux	1.000 lm	1.400 lm	1.800 lm	2.600 lm
Output flux	800 lm	1.200 lm	1.600 lm	2.400 lm
Luminous Efficacy	≥ 100 lm/W	≥ 100 lm/W	≥ 100 lm/W	≥ 100 lm/W
Color Temperature	3000K - 4000K - 6000K	3000K - 4000K - 6000K	3000K - 4000K - 6000K	3000K - 4000K - 6000K
CRI (Ra)	> 80	> 80	> 80	> 80
Beam Angle	> 120°	> 120°	> 120°	> 120°
IP Protection	IP20	IP20	IP20	IP20
Operating Temperature	-20 °C ~ 40 °C	-20 °C ~ 40 °C	-20 °C ~ 40 °C	-20 °C ~ 40 °C
Useful Life	> 36.000 Hours	> 36.000 Hours	> 36.000 Hours	> 36.000 Hours
Material	Glass + PET	Glass + PET	Glass + PET	Glass + PET
Cover	Frost	Frost	Frost	Frost



# LED Panels

## Description

The LED Panel series, equipped with SMD of the latest generation and innovative prismatic cover, guarantee a low maintenance cost as well as an adequate illumination level in workplace . The simple and refined design gives an unique look to the normal environments. Possible installation modalities: recessed, suspensing and ceiling.

## Certifications

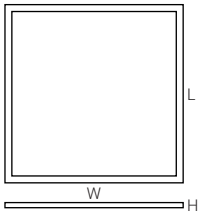




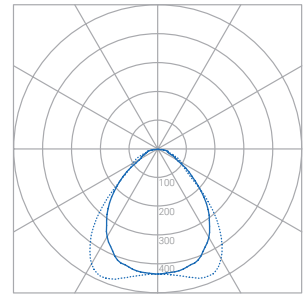


# PRISMATIC LED PANEL

130lm/W

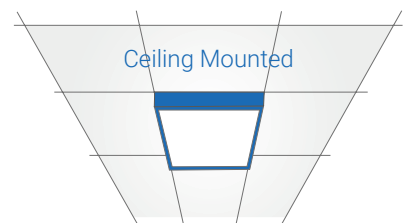
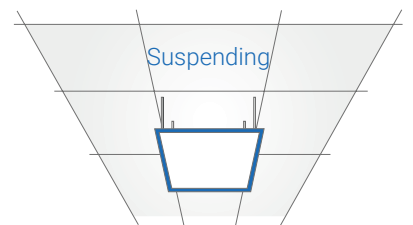
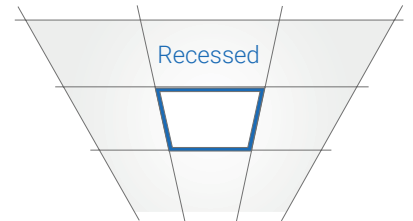


UGR < 19



Product Dimensions	Length (mm)	Width (mm)	Height (mm)	Weight (Kg)
PG-LP600X600	595	595	10	2,2

	PG-LP600X600-24W	PG-LP600X600-36W
Input	220V ~ 230V AC / 50-60 Hz	220V ~ 230V AC / 50-60 Hz
Input LED Current	750 mA	850 mA
Input LED Voltage	30V ~ 40V DC	30V ~ 40V DC
Nominal Power	24,0W	36,0W
Total Power	12,0 W ~ 25,0 W	34,0 W ~ 38,0 W
Equivalent Power	4x18W	4x18W / 2x55W
Power Factor	> 0.90	> 0.90
LED Type	SMD 3014	SMD 3014
Driver	Lifud / Harvard	Lifud / Harvard
Insulation Class	Class II	Class II
Output Luminous Flux	3.200 lm ~ 3.300 lm	4.700 lm ~ 4.800 lm
Output Luminous Efficacy	≥ 130 lm/W	≥ 130 lm/W
CCT	3000K - 4000K - 6000K	3000K - 4000K - 6000K
CRI (Ra)	> 80	> 80
Beam Angle	120°	120°
UGR	< 19	< 19
IP Protection	IP40	IP40
Operating Temperature	-20 °C to +45 °C	-20 °C to +45 °C
Storage Temperature	-20 °C to +60 °C	-20 °C to +60 °C
Dimming Options	1-10V / DALI / Wireless	1-10V / DALI / Wireless
Useful Life	> 50.000 Hours (L70)	> 50.000 Hours (L70)
Default Diffuser	Prismatic No-Glare	Prismatic No-Glare
Other Diffuser	Frost on Demand	Frost on Demand
Frame	Gray / White	Gray / White
Materials	Housing: AL, Cover: PS / PMMA	Housing: AL, Cover: PS / PMMA
Accessories	Suspending Kit / Ceiling Kit	Suspending Kit / Ceiling Kit

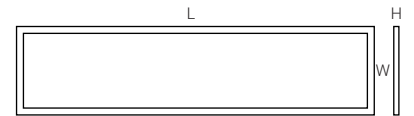
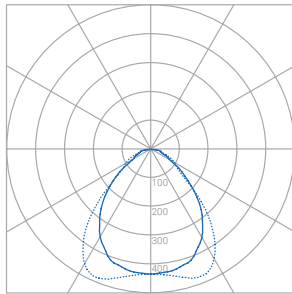


# PRISMATIC LED PANEL

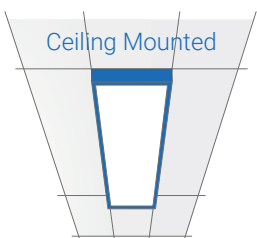
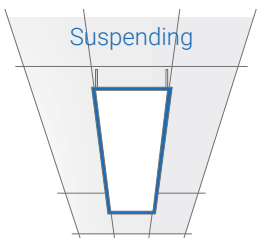
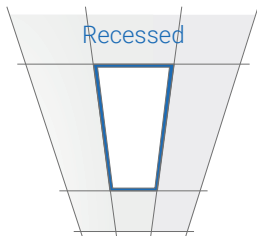
130lm/W



UGR < 19



Product Dimensions	Length (mm)	Width (mm)	Height (mm)	Weight (Kg)
PG-LP1200X300	1195	295	10	2,4

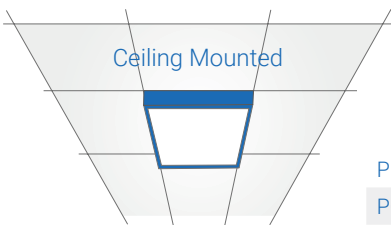
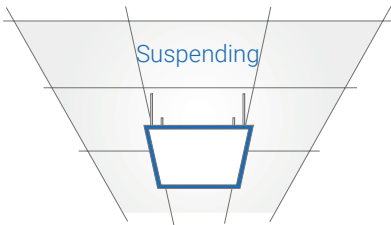
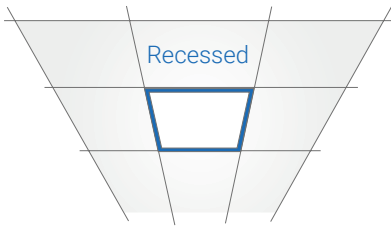


	PG-LP1200X300-24W	PG-LP1200X300-36W
Input	220V ~ 230V AC / 50-60 Hz	220V ~ 230V AC / 50-60 Hz
Input LED Current	750 mA	850 mA
Input LED Voltage	30V ~ 40V DC	30V ~ 40V DC
Nominal Power	24,0W	36,0W
Total Power	12,0 W ~ 25,0 W	34,0 W ~ 38,0 W
Equivalent Power	2x36W	2x36W
Power Factor	> 0.90	> 0.90
LED Type	SMD 3014	SMD 3014
Driver	Lifud / Harvard	Lifud / Harvard
Insulation Class	Class II	Class II
Output Luminous Flux	3.200 lm ~ 3.300 lm	4.700 lm ~ 4.800 lm
Output Luminous Efficacy	≥ 130 lm/W	≥ 130 lm/W
CCT	3000K - 4000K - 6000K	3000K - 4000K - 6000K
CRI (Ra)	> 80	> 80
Beam Angle	120°	120°
UGR	< 19	< 19
IP Protection	IP40	IP40
Operating Temperature	-20 °C to +45 °C	-20 °C to +45 °C
Storage Temperature	-20 °C to +60 °C	-20 °C to +60 °C
Dimming Options	1-10V / DALI / Wireless	1-10V / DALI / Wireless
Useful Life	> 50.000 Hours (L70)	> 50.000 Hours (L70)
Default Diffuser	Prismatic No-Glare	Prismatic No-Glare
Other Diffuser	Frost on Demand	Frost on Demand
Frame	Gray / White	Gray / White
Materials	Housing: AL, Cover: PS / PMMA	Housing: AL, Cover: PS / PMMA
Accessories	Suspending Kit / Ceiling Kit	Suspending Kit / Ceiling Kit

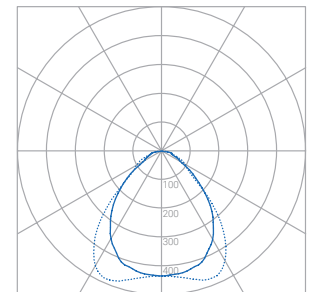
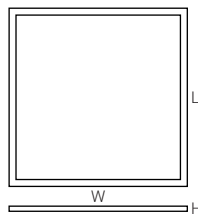


# PRISMATIC LED PANEL

100lm/W



UGR < 19



Product Dimensions	Length (mm)	Width (mm)	Height (mm)	Weight (Kg)
PG-LP600X600	595	595	10	2,2

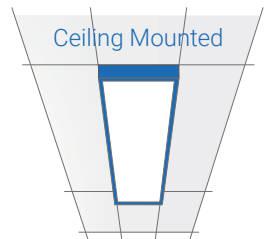
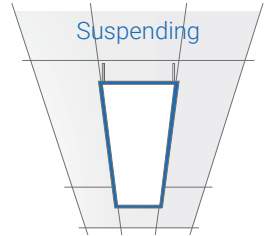
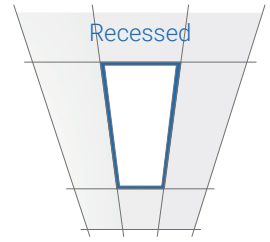
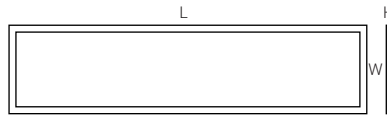
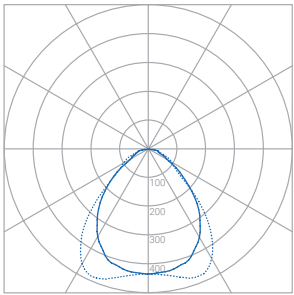
	PG-LP600X600-20W	PG-LP600X600-32W	PG-LP600X600-40W	PG-LP600X600-55W
Input	220V ~ 230V AC / 50-60 Hz	220V ~ 230V AC / 50-60 Hz	220V ~ 230V AC / 50-60 Hz	220V ~ 230V AC / 50-60 Hz
Input LED Current	500 mA	750 mA	950 mA	1.200 mA
Input LED Voltage	27V ~ 42V DC	27V ~ 42V DC	27V ~ 42V DC	27V ~ 42V DC
Nominal Power	20,0W	32,0W	40,0W	55,0W
Total Power	19,0 W ~ 22,0 W	31,0 W ~ 33,0 W	31,0 W ~ 33,0 W	53,0 W ~ 56,0 W
Equivalent Power	4x18W	4x18W	4x18W / 2x55W	4x18W / 2x55W
Power Factor	> 0.90	> 0.90	> 0.90	> 0.90
LED Type	SMD 3014	SMD 3014	SMD 3014	SMD 3014
Driver	Lifud / Harvard	Lifud / Harvard	Lifud / Harvard	Lifud / Harvard
Insulation Class	Class II	Class II	Class II	Class II
Output Luminous Flux	2.200 lm ~ 2.300 lm	3.200 lm ~ 3.400 lm	4.000 lm ~ 4.200 lm	5.400 lm ~ 5.600 lm
Output Luminous Efficacy	≥ 100 lm/W	≥ 100 lm/W	≥ 100 lm/W	≥ 100 lm/W
CCT	3000K - 4000K - 6000K	3000K - 4000K - 6000K	3000K - 4000K - 6000K	3000K - 4000K - 6000K
CRI (Ra)	> 80	> 80	> 80	> 80
Beam Angle	120°	120°	120°	120°
UGR	< 19	< 19	< 19	< 19
IP Protection	IP40	IP40	IP40	IP40
Operating Temperature	-20 °C to +45 °C	-20 °C to +45 °C	-20 °C to +45 °C	-20 °C to +45 °C
Storage Temperature	-20 °C to +60 °C	-20 °C to +60 °C	-20 °C to +60 °C	-20 °C to +60 °C
Dimming Options	1-10V / DALI / Wireless	1-10V / DALI / Wireless	1-10V / DALI / Wireless	1-10V / DALI / Wireless
Useful Life	> 50.000 Hours (L70)	> 50.000 Hours (L70)	> 50.000 Hours (L70)	> 50.000 Hours (L70)
Default Diffuser	Prismatic No-Glare	Prismatic No-Glare	Prismatic No-Glare	Prismatic No-Glare
Other Diffuser	Frost on Demand	Frost on Demand	Frost on Demand	Frost on Demand
Frame	Gray / White	Gray / White	Gray / White	Gray / White
Materials	Housing: AL, Cover: PS / PMMA	Housing: AL, Cover: PS / PMMA	Housing: AL, Cover: PS / PMMA	Housing: AL, Cover: PS / PMMA
Accessories	Suspending Kit / Ceiling Kit	Suspending Kit / Ceiling Kit	Suspending Kit / Ceiling Kit	Suspending Kit / Ceiling Kit

# PRISMATIC LED PANEL

100lm/W



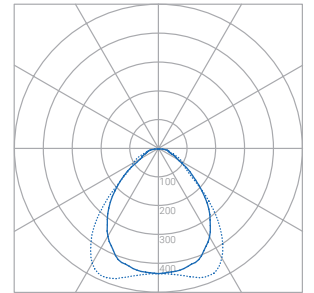
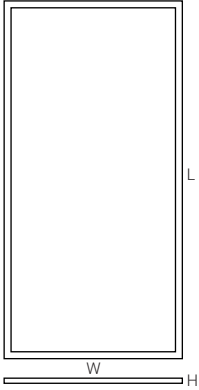
UGR < 19



Product Dimensions	Length (mm)	Width (mm)	Height (mm)	Weight (Kg)
PG-LP1200X300	1195	295	10	2,4

	PG-LP1200X300-20W	PG-LP1200X300-32W	PG-LP1200X300-40W	PG-LP1200X300-55W
Input	220V ~ 230V AC / 50-60 Hz	220V ~ 230V AC / 50-60 Hz	220V ~ 230V AC / 50-60 Hz	220V ~ 230V AC / 50-60 Hz
Input LED Current	500 mA	750 mA	950 mA	1.200 mA
Input LED Voltage	27V ~ 42V DC	27V ~ 42V DC	27V ~ 42V DC	27V ~ 42V DC
Nominal Power	20,0W	32,0W	40,0W	55,0W
Total Power	19,0 W ~ 22,0 W	31,0 W ~ 33,0 W	31,0 W ~ 33,0 W	53,0 W ~ 56,0 W
Equivalent Power	1x36W	2x36W	2x36W	2x36W
Power Factor	> 0.90	> 0.90	> 0.90	> 0.90
LED Type	SMD 3014	SMD 3014	SMD 3014	SMD 3014
Driver	Lifud / Harvard	Lifud / Harvard	Lifud / Harvard	Lifud / Harvard
Insulation Class	Class II	Class II	Class II	Class II
Output Luminous Flux	2.200 lm ~ 2.300 lm	3.200 lm ~ 3.400 lm	4.000 lm ~ 4.200 lm	5.400 lm ~ 5.600 lm
Output Luminous Efficacy	≥ 100 lm/W	≥ 100 lm/W	≥ 100 lm/W	≥ 100 lm/W
CCT	3000K - 4000K - 6000K	3000K - 4000K - 6000K	3000K - 4000K - 6000K	3000K - 4000K - 6000K
CRI (Ra)	> 80	> 80	> 80	> 80
Beam Angle	120°	120°	120°	120°
UGR	< 19	< 19	< 19	< 19
IP Protection	IP40	IP40	IP40	IP40
Operating Temperature	-20 °C to +45 °C	-20 °C to +45 °C	-20 °C to +45 °C	-20 °C to +45 °C
Storage Temperature	-20 °C to +60 °C	-20 °C to +60 °C	-20 °C to +60 °C	-20 °C to +60 °C
Dimming Options	1-10V / DALI / Wireless	1-10V / DALI / Wireless	1-10V / DALI / Wireless	1-10V / DALI / Wireless
Useful Life	> 50.000 Hours (L70)	> 50.000 Hours (L70)	> 50.000 Hours (L70)	> 50.000 Hours (L70)
Default Diffuser	Prismatic No-Glare	Prismatic No-Glare	Prismatic No-Glare	Prismatic No-Glare
Other Diffuser	Frost on Demand	Frost on Demand	Frost on Demand	Frost on Demand
Frame	Gray / White	Gray / White	Gray / White	Gray / White
Materials	Housing: AL, Cover: PS / PMMA	Housing: AL, Cover: PS / PMMA	Housing: AL, Cover: PS / PMMA	Housing: AL, Cover: PS / PMMA
Accessories	Suspending Kit / Ceiling Kit	Suspending Kit / Ceiling Kit	Suspending Kit / Ceiling Kit	Suspending Kit / Ceiling Kit

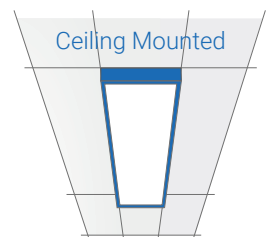
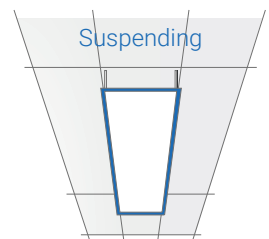
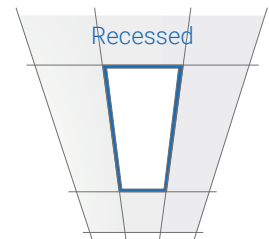
# MINI LED PANEL



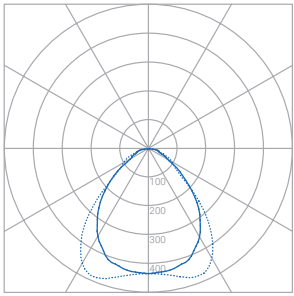
UGR < 19

Product Dimensions	Length (mm)	Width (mm)	Height (mm)	Weight (Kg)
PG-LP300X600	595	295	10	2,0

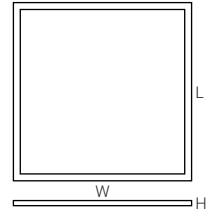
	PG-LP300X600-22W	PG-LP300X600-25W
Input	220V ~ 230V AC / 50-60 Hz	220V ~ 230V AC / 50-60 Hz
Input LED Current	500 mA	520 mA
Input LED Voltage	27V ~ 42V DC	27V ~ 42V DC
Nominal Power	22,0W	25,0W
Total Power	21,0 W ~ 23,0 W	24,0 W ~ 26,0 W
Equivalent Power	2x18W	2x18W
Power Factor	> 0.90	> 0.90
LED Type	SMD 3014	SMD 3014
Driver	Lifud / Harvard	Lifud / Harvard
Insulation Class	Class II	Class II
Output Luminous Flux	2.200 lm ~ 2.300 lm	2.500 lm ~ 2.600 lm
Output Luminous Efficacy	≥ 100 lm/W	≥ 100 lm/W
CCT	3000K - 4000K - 6000K	3000K / 4000K / 6000K
CRI (Ra)	> 80	> 80
Beam Angle	120°	120°
UGR	< 19	< 19
IP Protection	IP40	IP40
Operating Temperature	-20 °C to +45 °C	-20 °C to +45 °C
Storage Temperature	-20 °C to +60 °C	-20 °C to +60 °C
Dimming Options	1-10V / DALI / Wireless	1-10V / DALI / Wireless
Useful Life	> 50.000 Hours (L70)	> 50.000 Hours (L70)
Default Diffuser	Prismatic No-Glare	Prismatic No-Glare
Other Diffuser	Frost on Demand	Frost on Demand
Frame	Gray / White	Gray / White
Materials	Housing: AL, Cover: PS / PMMA	Housing: AL, Cover: PS / PMMA
Accessories	Suspending Kit / Ceiling Kit	Suspending Kit / Ceiling Kit



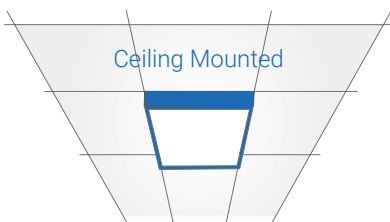
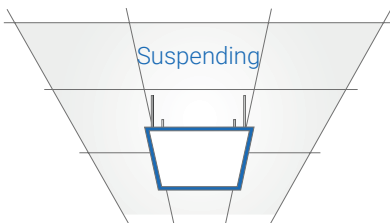
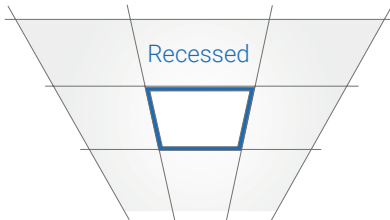
# MINI LED PANEL



UGR < 19

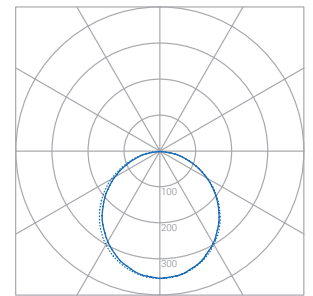
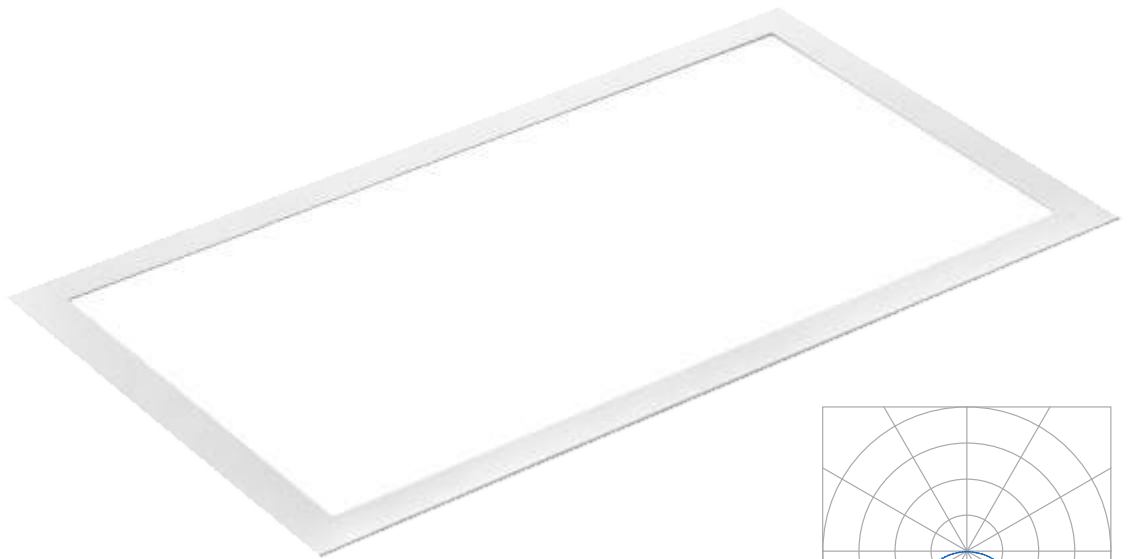
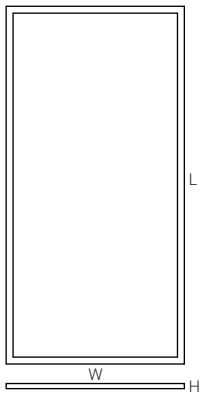
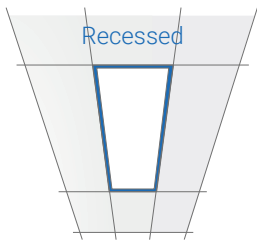


Product Dimensions	Length (mm)	Width (mm)	Height (mm)	Weight (Kg)
PG-LP300X300	295	295	10	1,0



	PG-LP300X300-10W	PG-LP300X300-18W
Input	220V ~ 230V AC / 50-60 Hz	220V ~ 230V AC / 50-60 Hz
Input LED Current	250 mA	450 mA
Input LED Voltage	27V ~ 42V DC	27V ~ 42V DC
Nominal Power	10,0W	18,0W
Total Power	9,0 W ~ 11,0 W	17,0 W ~ 19,0 W
Equivalent Power	1x26W	2x26W
Power Factor	> 0.90	> 0.90
LED Type	SMD 3014	SMD 3014
Driver	Lifud / Harvard	Lifud / Harvard
Insulation Class	Class II	Class II
Output Luminous Flux	1.000 lm ~ 1.100 lm	1.800 lm ~ 1.900 lm
Output Luminous Efficacy	≥ 100 lm/W	≥ 100 lm/W
CCT	3000K - 4000K - 6000K	3000K / 4000K / 6000K
CRI (Ra)	> 80	> 80
Beam Angle	120°	120°
UGR	< 19	< 19
IP Protection	IP40	IP40
Operating Temperature	-20 °C to +45 °C	-20 °C to +45 °C
Storage Temperature	-20 °C to +60 °C	-20 °C to +60 °C
Dimming Options	1-10V / DALI / Wireless	1-10V / DALI / Wireless
Useful Life	> 50.000 Hours (L70)	> 50.000 Hours (L70)
Default Diffuser	Prismatic No-Glare	Prismatic No-Glare
Other Diffuser	Frost on Demand	Frost on Demand
Frame	Gray / White	Gray / White
Materials	Housing: AL, Cover: PS / PMMA	Housing: AL, Cover: PS / PMMA
Accessories	Suspending Kit / Ceiling Kit	Suspending Kit / Ceiling Kit

# 120x60 LED PANEL

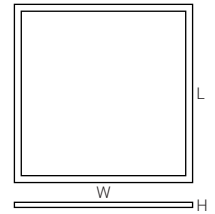
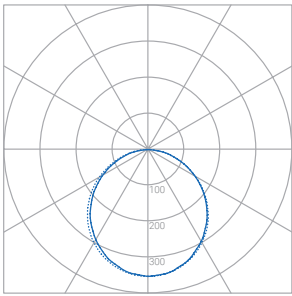


Product Dimensions	Length (mm)	Width (mm)	Height (mm)	Weight (Kg)
PG-LP1200X600	1195	595	10	5,0

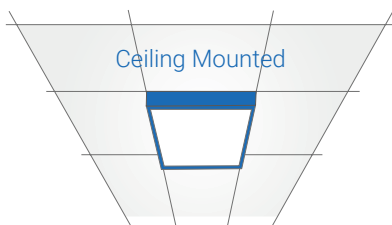
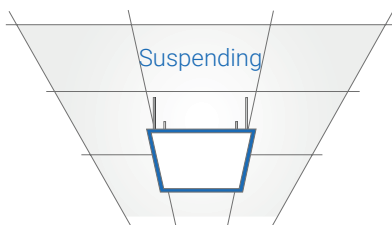
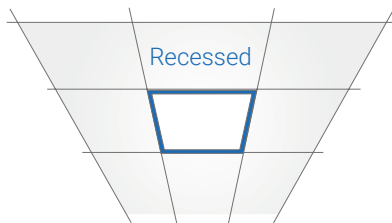
	PG-LP1200X600-60W	PG-LP600X600-64W
Input	220V ~ 230V AC / 50-60 Hz	220V ~ 230V AC / 50-60 Hz
Input LED Current	1.200 mA	1.300 mA
Input LED Voltage	27V ~ 42V DC	27V ~ 42V DC
Nominal Power	60,0W	64,0W
Total Power	58,0 W ~ 62,0 W	63,0 W ~ 66,0 W
Equivalent Power	4x36W / 4x28W	4x36W /4x28W
Power Factor	> 0.90	> 0.90
LED Type	SMD 3014	SMD 3014
Driver	Lifud / Harvard	Lifud / Harvard
Insulation Class	Class II	Class II
Output Luminous Flux	6.000 lm ~ 6.200 lm	6.300 lm ~ 6.500 lm
Output Luminous Efficacy	≥ 100 lm/W	≥ 100 lm/W
CCT	3000K - 4000K - 6000K	3000K - 4000K - 6000K
CRI (Ra)	> 80	> 80
Beam Angle	120°	120°
UGR	< 22	< 22
IP Protection	IP40	IP40
Operating Temperature	-20 °C to +45 °C	-20 °C to +45 °C
Storage Temperature	-20 °C to +60 °C	-20 °C to +60 °C
Dimming Options	1-10V / DALI / Wireless	1-10V / DALI / Wireless
Useful Life	> 50.000 Hours (L70)	> 50.000 Hours (L70)
Diffuser	Frost	Frost
Frame	Gray / White	Gray / White
Materials	Housing: AL, Cover: PS / PMMA	Housing: AL, Cover: PS / PMMA



# IP65 LED PANEL

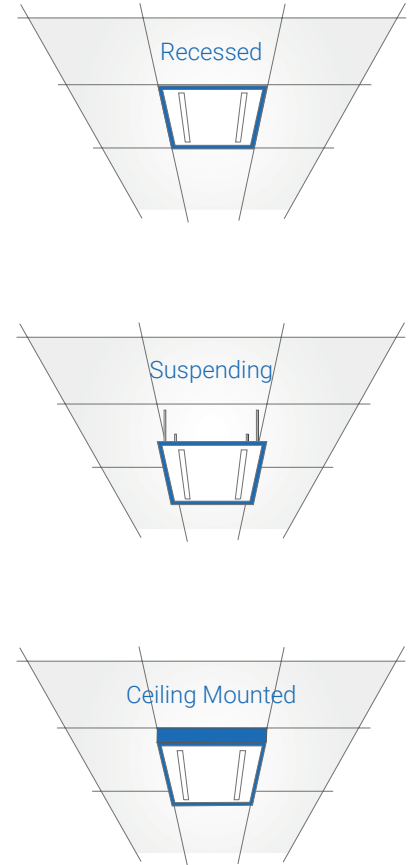
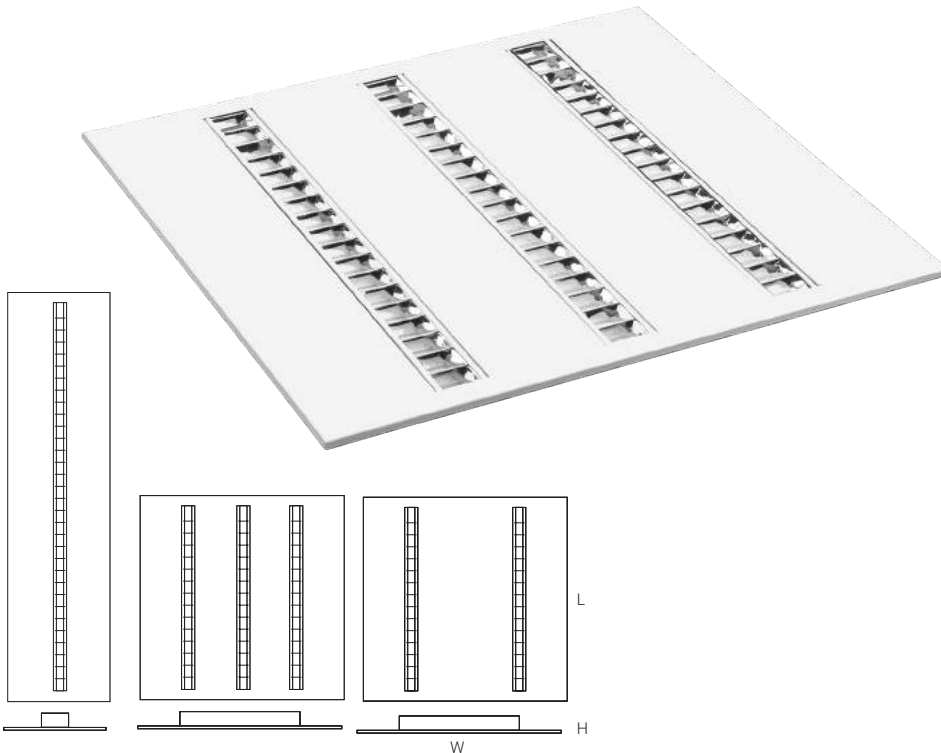


Product Dimensions	Length (mm)	Width (mm)	Height (mm)	Weight (Kg)
PG-LP600X600	595	595	10	3,5



	PG-LP600X600-32W-IP65	PG-LP600X600-50W-IP65
Input	220V ~ 230V AC / 50-60 Hz	220V ~ 230V AC / 50-60 Hz
Input LED Current	750 mA	1.200 mA
Input LED Voltage	27V ~ 42V DC	27V ~ 42V DC
Nominal Power	32,0W	50,0W
Total Power	31,0 W ~ 33,0 W	48,0 W ~ 52,0 W
Equivalent Power	4x18W	4x18W / 2x55W
Power Factor	> 0.90	> 0.90
LED Type	SMD 3014	SMD 3014
Driver	Lifud	Lifud
Insulation Class	Class II	Class II
Output Luminous Flux	3.200 lm ~ 3.400 lm	6.300 lm ~ 6.500 lm
Output Luminous Efficacy	≥ 100 lm/W	≥ 100 lm/W
CCT	3000K - 4000K - 6000K	3000K - 4000K - 6000K
CRI (Ra)	> 80	> 80
Beam Angle	120°	120°
UGR	< 22	< 22
IP Protection	IP65	IP65
Operating Temperature	-20 °C to +45 °C	-20 °C to +45 °C
Storage Temperature	-20 °C to +60 °C	-20 °C to +60 °C
Useful Life	> 50.000 Hours (L70)	> 50.000 Hours (L70)
Diffuser	Frost	Frost
Frame	Gray / White	Gray / White
Materials	Housing: AL, Cover: PS / PMMA	Housing: AL, Cover: PS / PMMA
Accessories	Suspending Kit / Ceiling Kit	Suspending Kit / Ceiling Kit

# SCHOOL LED

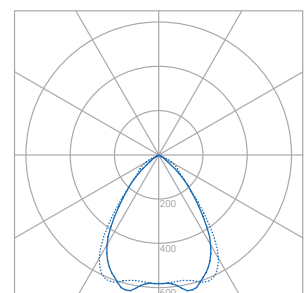


Product Dimensions	Length (mm)	Width (mm)	Height (mm)	Weight (Kg)
PG-SL600X600-27W	596	596	47	3,9
PG-SL600X600-40W	596	596	47	4,8
PG-SL1200X300-27Q	1196	296	47	3,9

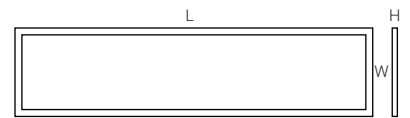
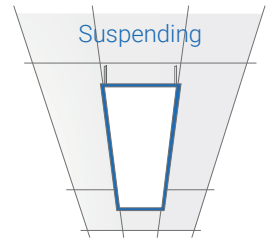
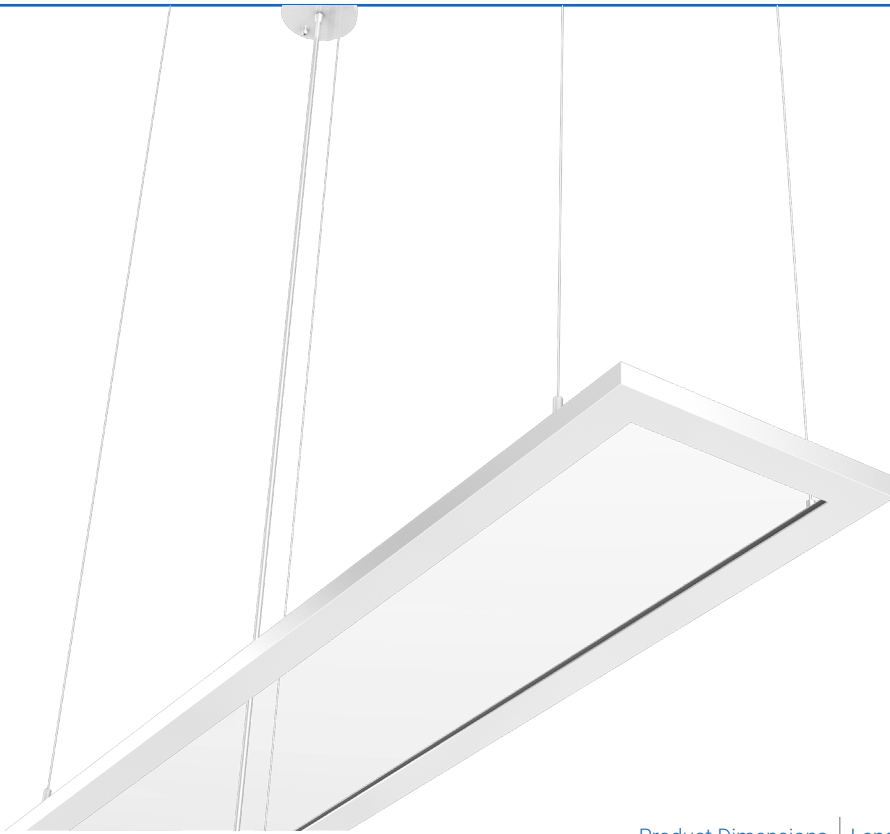
	PG-SL600X600-27W	PG-SL600X600-40W	PG-SL1200X300-27W
Input	AC 220V-230V / 50Hz-60Hz	AC 220V-230V / 50Hz-60Hz	AC 220V-230V / 50Hz-60Hz
Input LED Current	350mA	350mA	350mA
Nominal Power	27W	40W	27W
Total Power	26,0 W ~ 28,0 W	38,0 W ~ 41,0 W	26,0 W ~ 28,0 W
Equivalent Power	4x18W	4x18W	2x36W
Power Factor	> 0.90	> 0.90	> 0.90
LED Type	Samsung LM561B	Samsung LM561B	Samsung LM561B
Driver	Osram	Osram	Osram
Insulation Class	Class I	Class I	Class I
Nominal Luminous Flux	3.600 lm	5.300 lm	3.600 lm
Output Luminous Flux	3.300lm	4.900 lm	3.300lm
Output Luminous Efficacy	> 120lm/W	> 120lm/W	> 120lm/W
CCT	4000K	4000K	4000K
CRI (Ra)	> 80	> 80	> 80
Beam Angle	90°	90°	90°
Optical System	PAR Louver + MPRM Diffuser	PAR Louver + MPRM Diffuser	PAR Louver + MPRM Diffuser
UGR	≤ 16	≤ 16	≤ 16
IP Protection	IP40	IP40	IP40
Operating Temperature	0°C to 40°C	0°C to 40°C	0°C to 40°C
Storage Temperature	0°C to 40°C	0°C to 40°C	0°C to 40°C
Dimming Options	1-10V / DALI / WIRELESS	1-10V / DALI / WIRELESS	1-10V / DALI / WIRELESS
Useful Life	> 60.000 Hours (L90)	> 60.000 Hours (L90)	> 60.000 Hours (L90)
Materials	Electrostatically Painted Steel + AL	Electrostatically Painted Steel + AL	Electrostatically Painted Steel + AL
Accessories	Suspending Kit / Ceiling Kit	Suspending Kit / Ceiling Kit	Suspending Kit / Ceiling Kit



UGR < 16



# UP & DOWN LED PANEL

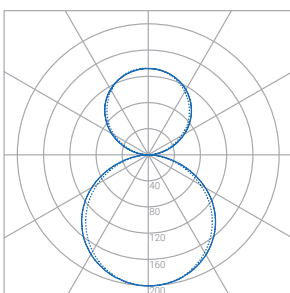


Product Dimensions	Length (mm)	Width (mm)	Height (mm)	Weight (Kg)
PG-LP1200X300	1195	295	10	2,4

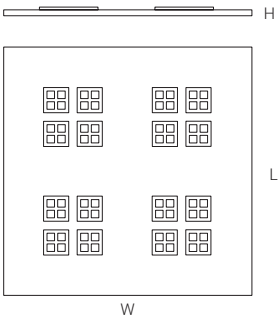
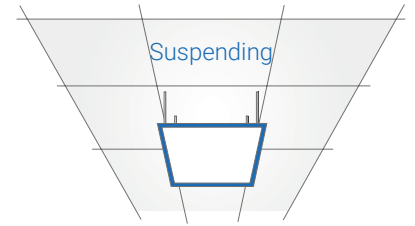
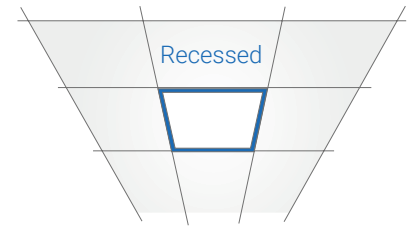
	PG-UD1200X300-36W-T	PG-UD1200X300-36W-FT
Input	220V ~ 230V AC / 50-60 Hz	220V ~ 230V AC / 50-60 Hz
Nominal Power	36,0W	36,0W
Total Power	36,0 W ~ 38,0 W	36,0 W ~ 38,0 W
Equivalent Power	2x36W	2x36W
Driver	Built-in Driver	Built-in Driver
Power Factor	> 0.90	> 0.90
LED Type	SMD	SMD
Insulation Class	Class II	Class II
Output Luminous Flux	3.600 lm ~ 3.700 lm	3.600 lm ~ 3.700 lm
Output Luminous Efficacy	≥ 100 lm/W	≥ 100 lm/W
CCT	3000K - 4000K - 6500K	3000K - 4000K - 6500K
CRI (Ra)	> 80	> 80
Beam Angle	120°	120°
UGR	< 19	< 19
IP Protection	IP20	IP20
Operating Temperature	-20 °C to +45 °C	-20 °C to +45 °C
Storage Temperature	-20 °C to +65 °C	-20 °C to +65 °C
Dimming Options	0-10V	0-10V
Useful Life	> 50.000 Hours (L70)	> 50.000 Hours (L70)
Diffuser	Translucent	Full Transparent
Lighting Distribution	55% Down & 45% Up	55% Down & 45% Up
Color	White	White
Materials	Aluminum + PMMA	Aluminum + PMMA
Accessories	Suspending Kit	Suspending Kit



UGR < 19



# MODULAR SERIES LED PANEL

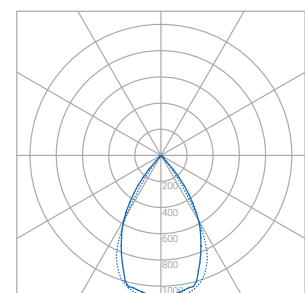


Product Dimensions	Length (mm)	Width (mm)	Height (mm)
PG-ELP600X600-25W	595	595	14
PG-ELP600X600-36W	595	595	14

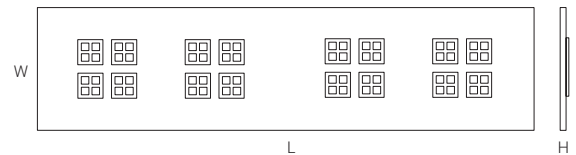
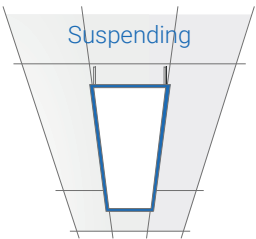
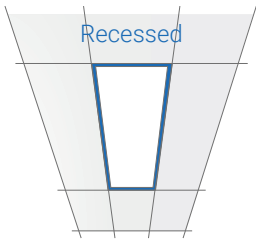
	PG-ELP600X600-25W	PG-ELP600X600-36W
Input	220V ~ 230V AC / 50-60 Hz	220V ~ 230V AC / 50-60 Hz
Nominal Power	25W	36W
Total Power	26,0 W ~ 26,0 W	34,0 W ~ 38,0 W
Equivalent Power	4X18W	4X18W / 2X55W
Power Factor	> 0.90	> 0.90
LED Type	SMD	SMD
Insulation Class	Class II	Class II
Output Luminous Flux	3.200 lm ~ 3.300 lm	4.600 lm ~ 4.700 lm
Output Luminous Efficacy	≥ 130 lm/W	≥ 130 lm/W
CCT	3000K - 4000K - 6000K	3000K - 4000K - 6000K
CRI (Ra)	> 80	> 80
Beam Angle	80°	80°
UGR	< 13	< 13
IP Protection	IP20	IP20
Operating Temperature	-20 °C to +45 °C	-20 °C to +45 °C
Storage Temperature	-20 °C to +65 °C	-20 °C to +65 °C
Dimming Options	0-10V	0-10V
Useful Life	> 50.000 Hours (L70)	> 50.000 Hours (L70)
Color	White	White
Materials	Aluminum + PMMA	Aluminum + PMMA



UGR < 13



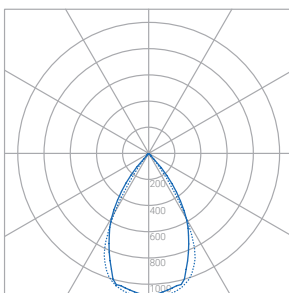
# MODULAR SERIES LED PANEL



Product Dimensions	Length (mm)	Width (mm)	Height (mm)
PG-ELP1200X300-36W	1195	295	14
PG-ELP1200X300-60W	1195	295	14



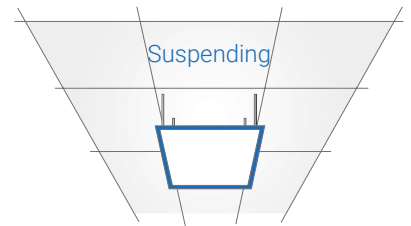
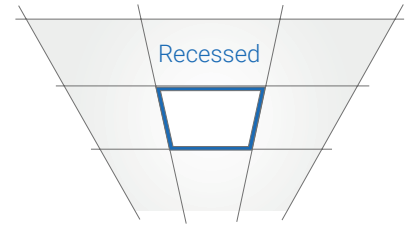
UGR < 13



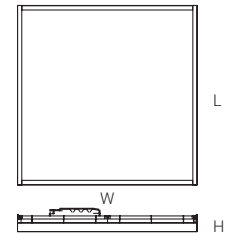
	PG-ELP1200X300-36W	PG-ELP1200X300-60W
Input	220V ~ 230V AC / 50-60 Hz	220V ~ 230V AC / 50-60 Hz
Nominal Power	36W	60W
Total Power	34,0 W ~ 38,0 W	58,0 W ~ 62,0 W
Equivalent Power	4X18W / 2X55W	4X18W / 2X55W
Power Factor	> 0.90	> 0.90
LED Type	SMD	SMD
Insulation Class	Class II	Class II
Output Luminous Flux	4.600 lm ~ 4.700 lm	7.800 lm ~ 7.900 lm
Output Luminous Efficacy	≥ 130 lm/W	≥ 130 lm/W
CCT	3000K - 4000K - 6000K	3000K - 4000K - 6000K
CRI (Ra)	> 80	> 80
Beam Angle	80°	80°
UGR	< 13	< 13
IP Protection	IP20	IP20
Operating Temperature	-20 °C to +45 °C	-20 °C to +45 °C
Storage Temperature	-20 °C to +65 °C	-20 °C to +65 °C
Dimming Options	0-10V	0-10V
Useful Life	> 50.000 Hours (L70)	> 50.000 Hours (L70)
Color	White	White
Materials	Aluminum + PMMA	Aluminum + PMMA



# LED TROFFER



Product Dimensions	Length (mm)	Width (mm)	Height (mm)	Weight (Kg)
PG-LT600X600	595	595	78	3,6

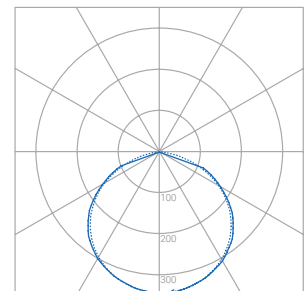


	PG-LT600X600-27W	PG-LP600X600-38W
Input	220V ~ 230V AC / 50-60 Hz	220V ~ 230V AC / 50-60 Hz
Input LED Current	650 mA	880 mA
Nominal Power	27,0W	36,0W
Total Power	25,50 W ~ 28,50 W	34,0 W ~ 38,0 W
Equivalent Power	4x18W	4x18W / 2x55W
Power Factor	> 0.90	> 0.90
LED Type	SMD	SMD
Insulation Class	Class II	Class II
Output Luminous Flux	2.550 lm ~ 2.750 lm	3.600 lm ~ 3.800 lm
Output Luminous Efficacy	≥ 95 lm/W	≥ 95 lm/W
CCT	3000K - 4000K - 5000K	3000K - 4000K - 5000K
CRI (Ra)	> 80	> 80
Beam Angle	120°	120°
UGR	< 19	< 19
IP Protection	IP20	IP20
Operating Temperature	-20 °C to +45 °C	-20 °C to +45 °C
Storage Temperature	-20 °C to +65 °C	-20 °C to +65 °C
Dimming Options	1-10V / DALI / Wireless	1-10V / DALI / Wireless
Useful Life	> 50.000 Hours (L70)	> 50.000 Hours (L70)
Diffuser	Transparent / Prismatic	Transparent / Prismatic
Color	White	White
Materials	Housing: AL, Diffuser: PC UL94 V0	Housing: AL, Diffuser: PC UL94 V0
Accessories	Suspending Kit	Suspending Kit

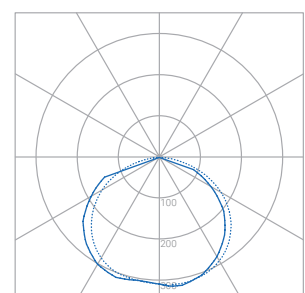


UGR < 19

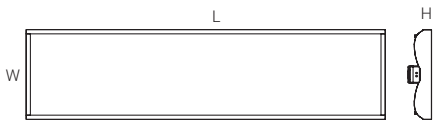
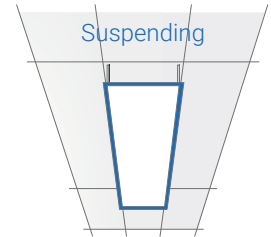
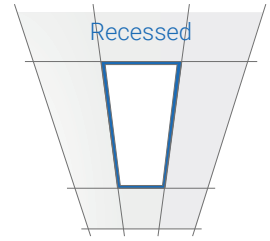
Transparent Diffuser



Prismatic Diffuser



# LED TROFFER

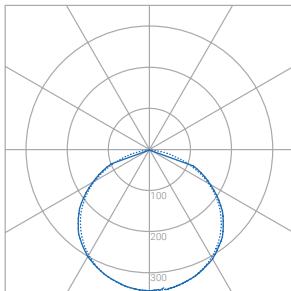


Product Dimensions	Length (mm)	Width (mm)	Height (mm)	Weight (Kg)
PG-LT1200X300	1195	295	78	3,6

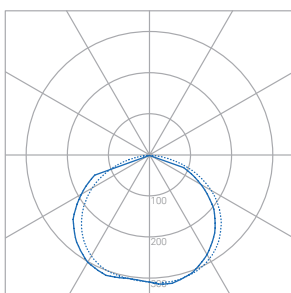


UGR < 19

Transparent Diffuser



Prismatic Diffuser



	PG-LT1200X300-27W	PG-LP1200X300-38W
Input	220V ~ 230V AC / 50-60 Hz	220V ~ 230V AC / 50-60 Hz
Input LED Current	650 mA	880 mA
Nominal Power	27,0W	36,0W
Total Power	25,50 W ~ 28,50 W	34,0 W ~ 38,0 W
Equivalent Power	2x36W	2x36W
Power Factor	> 0.90	> 0.90
LED Type	SMD	SMD
Insulation Class	Class II	Class II
Output Luminous Flux	2.350 lm ~ 2.550 lm	3.300 lm ~ 3.800 lm
Output Luminous Efficacy	≥ 95 lm/W	≥ 95 lm/W
CCT	3000K - 4000K - 5000K	3000K - 4000K - 5000K
CRI (Ra)	> 80	> 80
Beam Angle	120°	120°
UGR	< 19	< 19
IP Protection	IP20	IP20
Operating Temperature	-20 °C to +45 °C	-20 °C to +45 °C
Storage Temperature	-20 °C to +65 °C	-20 °C to +65 °C
Dimming Options	1-10V / DALI / Wireless	1-10V / DALI / Wireless
Useful Life	> 50.000 Hours (L70)	> 50.000 Hours (L70)
Diffuser	Transparent / Prismatic	Transparent / Prismatic
Color	White	White
Materials	Housing: AL, Diffuser: PC UL94 V0	Housing: AL, Diffuser: PC UL94 V0
Accessories	Suspending Kit	Suspending Kit



# LED Shop Light Series

## Description

The LED Shop Light family was created to meet all the needs of shops, supermarkets, malls, etc. All the products of this series are equipped with the latest generation of LED chips and guarantee maximum energy savings. The simple and refined design gives a unique look to the environments, improving the visual quality of the products exposed.

## Certifications







# MODULAR LED DOWNLIGHT



UGR < 19



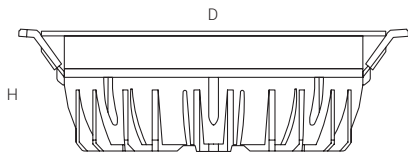
Product Dimensions	Diameter (mm)	Cutout (mm)	Height (mm)	Weight (Kg)
PG-DL96-10W110	110	90 ~ 95	40	0,22
PG-DL96-18W190	190	160 ~ 170	40	0,48
PG-DL96-25W228	228	200 ~ 210	40	0,68

	PG-DL96-10W110	PG-DL96-18W190	PG-DL96-25W228
Input	100V ~ 277V AC / 50-60 Hz	100V ~ 277V AC / 50-60 Hz	100V ~ 277V AC / 50-60 Hz
Input LED Current	190 mA	300 mA	470 mA
Nominal Power	10,0W	18,0W	25,0W
Total Power	9,0 W ~ 11,0 W	17,0 W ~ 19,0 W	23,00 W ~ 27,0 W
Equivalent Power	1x18W	2x26W	2x26W
Power Factor	> 0.90	> 0.90	> 0.90
LED Type	SMD	SMD	SMD
Insulation Class	Class I	Class I	Class I
Output Luminous Flux	1.000 lm ~ 1.100 lm	1.900 lm ~ 2.000 lm	2.800 lm ~ 3.000 lm
Output Luminous Efficacy	≥ 100 lm/W	≥ 100 lm/W	≥ 110 lm/W
CCT	3000K - 4000K - 5000K	3000K - 4000K - 5000K	3000K - 4000K - 5000K
CRI (Ra)	> 80	> 80	> 80
Beam Angle	90°	90°	90°
UGR	< 19	< 19	< 19
IP Protection	IP54	IP54	IP54
Operating Temperature	-20 °C to +45 °C	-20 °C to +45 °C	-20 °C to +45 °C
Storage Temperature	-20 °C to +65 °C	-20 °C to +65 °C	-20 °C to +65 °C
Useful Life	> 50.000 Hours (L70)	> 50.000 Hours (L70)	> 50.000 Hours (L70)
Lens	Anti-Glare Lens	Anti-Glare Lens	Anti-Glare Lens
Color	White	White	White
Materials	PC	PC	PC
Installation	Recessed	Recessed	Recessed

# MONO-LENS DOWNLIGHT

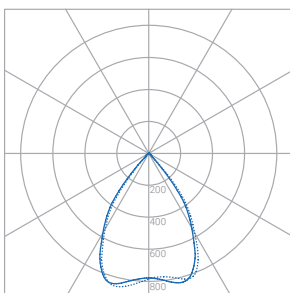


UGR < 19



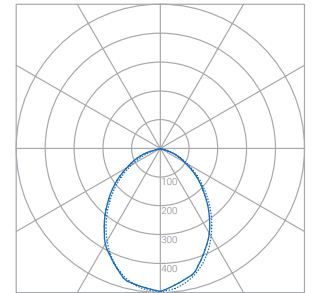
Product Dimensions	Diameter (mm)	Cutout (mm)	Height (mm)
PG-HDL150-15W	165	150	60
PG-HDL200-25W	225	200	76

	PG-HDL150-15W	PG-HDL200-25W
Input	220V ~ 240V AC / 50-60 Hz	220V ~ 240V AC / 50-60 Hz
Input LED Current	350mA	550mA
Nominal Power	15,0W	25,0W
Total Power	14,0 W ~ 16,0 W	14,0 W ~ 26,0 W
Equivalent Power	1x26W	2x26W
Power Factor	> 0.90	> 0.90
LED Type	SMD 2835	SMD 2835
Insulation Class	Class II	Class II
Output Luminous Flux	1.500 lm ~ 1.600 lm	2.500 lm ~ 2.600 lm
Output Luminous Efficacy	≥ 100 lm/W	≥ 100 lm/W
CCT	3000K - 4000K	3000K - 4000K
CRI (Ra)	> 80	> 80
Beam Angle	90°	90°
UGR	< 19	< 19
IP Protection	IP20 / IP44	IP20 / IP44
Operating Temperature	-20 °C to +40 °C	-20 °C to +40 °C
Storage Temperature	-20 °C to +65 °C	-20 °C to +65 °C
Useful Life	50.000 Hours (L70)	50.000 Hours (L70)
Reflector	Annular Reflector	Annular Reflector
Color	White	White
Materials	PC + AL	PC + AL
Installation	Recessed	Recessed

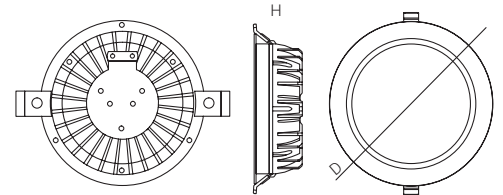




# DL LED DOWNLIGHT

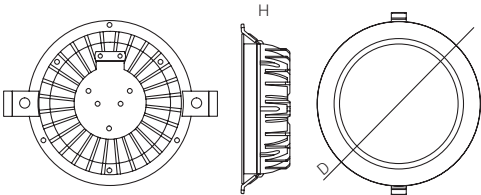
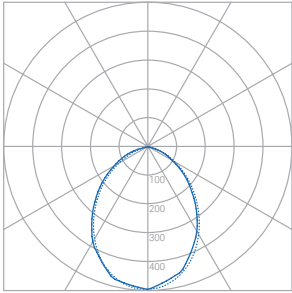


Product Dimensions	Diameter (mm)	Cutout (mm)	Height (mm)	Weight (Kg)
PG-DL110-12W	110	90	42	0,20
PG-DL140-15W	140	125	53	0,30
PG-DL162-18W	162	145	64	0,40



	PG-DL110-12W	PG-DL140-15W	PG-DL162-18W
Input	100V ~ 240V AC / 50-60 Hz	100V ~ 240V AC / 50-60 Hz	100V ~ 240V AC / 50-60 Hz
Input LED Current	350 mA	350 mA	350 mA
Nominal Power	12,0W	15,0W	18,0W
Total Power	11,0 W ~ 13,0 W	14,0 W ~ 16,0 W	17,0 W ~ 19,0 W
Equivalent Power	1x18W / 1x26W	1x26W	2x26W
Power Factor	> 0.90	> 0.90	> 0.90
LED Type	SMD	SMD	SMD
Insulation Class	Class II	Class II	Class II
Output Luminous Flux	1.100 lm ~ 1.200 lm	1.300 lm ~ 1.400 lm	1.600 lm ~ 1.700 lm
Output Luminous Efficacy	≥ 90 lm/W	≥ 90 lm/W	≥ 90 lm/W
CCT	3000K - 4000K - 6000K	3000K - 4000K - 6000K	3000K - 4000K - 6000K
CRI (Ra)	> 80	> 80	> 80
Beam Angle	90°	90°	90°
UGR	> 19	> 19	> 19
IP Protection	IP54	IP54	IP54
Operating Temperature	-20 °C to +40 °C	-20 °C to +40 °C	-20 °C to +40 °C
Storage Temperature	-20 °C to +60 °C	-20 °C to +60 °C	-20 °C to +60 °C
Dimming Options	1-10V / DALI / Wireless	1-10V / DALI / Wireless	1-10V / DALI / Wireless
Useful Life	> 50.000 Hours (L70)	> 50.000 Hours (L70)	> 50.000 Hours (L70)
Diffuser	Frost	Frost	Frost
Color	White	White	White
Materials	PC	PC	PC
Installation	Recessed	Recessed	Recessed

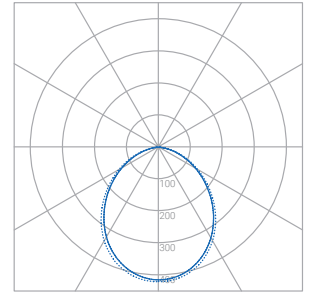
# DL LED DOWNLIGHT



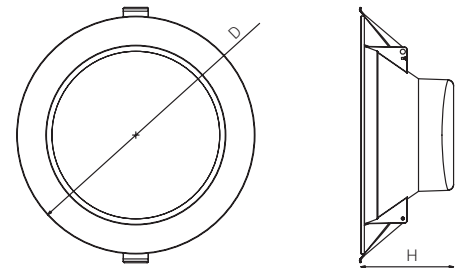
Product Dimensions	Diameter (mm)	Cutout (mm)	Height (mm)	Weight (Kg)
PG-DL193-15W	193	165	76	0,30
PG-DL230-18W	230	200	88	0,40
PG-DL282-35W	282	260	95	0,50

	PG-DL193-15W	PG-DL230-18W	PG-DL282-35W
Input	100V ~ 240V AC / 50-60 Hz	100V ~ 240V AC / 50-60 Hz	100V ~ 240V AC / 50-60 Hz
Input LED Current	350 mA	350 mA	700 mA
Nominal Power	15,0W	18,0W	35,0W
Total Power	14,0 W ~ 16,0 W	17,0 W ~ 19,0 W	33,0 W ~ 37,0 W
Equivalent Power	1x26W	2x26W	70W
Power Factor	> 0.90	> 0.90	> 0.90
LED Type	SMD	SMD	SMD
Insulation Class	Class II	Class II	Class II
Output Luminous Flux	1.300 lm ~ 1.400 lm	1.600 lm ~ 1.700 lm	3.300 lm ~ 3.500 lm
Output Luminous Efficacy	≥ 90 lm/W	≥ 90 lm/W	≥ 95 lm/W
CCT	3000K - 4000K - 6000K	3000K - 4000K - 6000K	3000K - 4000K - 6000K
CRI (Ra)	> 80	> 80	> 80
Beam Angle	90°	90°	90°
UGR	> 19	> 19	> 19
IP Protection	IP54	IP54	IP54
Operating Temperature	-20 °C to +40 °C	-20 °C to +40 °C	-20 °C to +40 °C
Storage Temperature	-20 °C to +60 °C	-20 °C to +60 °C	-20 °C to +60 °C
Dimming Options	1-10V / DALI / Wireless	1-10V / DALI / Wireless	1-10V / DALI / Wireless
Useful Life	> 50.000 Hours (L70)	> 50.000 Hours (L70)	> 50.000 Hours (L70)
Diffuser	Frost	Frost	Frost
Color	White	White	White
Materials	PC	PC	PC
Installation	Recessed	Recessed	Recessed

# DL54 LED DOWNLIGHT

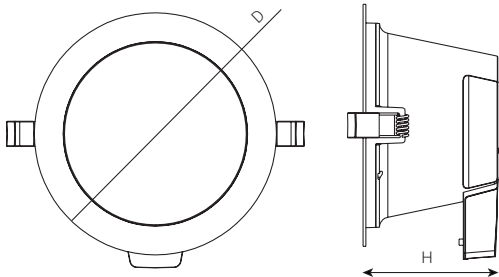
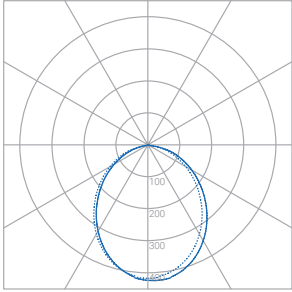


Product Dimensions	Diameter (mm)	Cutout (mm)	Height (mm)	Weight (Kg)
PG-DL54-10W115	115	90 ~ 95	61	0,20
PG-DL54-13W145	145	120 ~ 130	61	0,28
PG-DL54-16W190	190	160 ~ 170	74	0,51
PG-DL54-20W225	225	200 ~ 210	84	0,64



	PG-DL54-10W115	PG-DL54-13W145	PG-DL54-16W190	PG-DL54-20W225
Input	100V ~ 240V AC / 50-60 Hz	220V ~ 230V AC / 50-60 Hz	220V ~ 230V AC / 50-60 Hz	220V ~ 230V AC / 50-60 Hz
Input LED Current	230 mA	140 mA	180 mA	240 mA
Nominal Power	10,0W	13,0W	16,0W	20,0W
Total Power	9,0 W ~ 11,0 W	12,0 W ~ 14,0 W	15,00 W ~ 17,0 W	19,0 W ~ 21,0 W
Equivalent Power	1x18W / 1x26W	1x26W	1x26W	2x26W
Power Factor	> 0.90	> 0.90	> 0.90	> 0.90
LED Type	SMD	SMD	SMD	SMD
Insulation Class	Class II	Class II	Class II	Class II
Output Luminous Flux	840 lm ~ 920 lm	1.100 lm ~ 1.200 lm	1.400 lm ~ 1.500 lm	1.800 lm ~ 1.900 lm
Output Luminous Efficacy	≥ 85 lm/W	≥ 85 lm/W	≥ 85 lm/W	≥ 85 lm/W
CCT	3000K - 4000K - 5000K	3000K - 4000K - 5000K	3000K - 4000K - 5000K	3000K - 4000K - 5000K
CRI (Ra)	> 80	> 80	> 80	> 80
Beam Angle	90°	90°	90°	90°
UGR	< 22	< 22	< 22	< 22
IP Protection	IP20	IP20	IP20	IP20
Operating Temperature	-20 °C to +45 °C	-20 °C to +45 °C	-20 °C to +45 °C	-20 °C to +45 °C
Storage Temperature	-20 °C to +65 °C	-20 °C to +65 °C	-20 °C to +65 °C	-20 °C to +65 °C
Useful Life	> 50.000 Hours (L70)	> 50.000 Hours (L70)	> 50.000 Hours (L70)	> 50.000 Hours (L70)
Diffuser	Frost	Frost	Frost	Frost
Color	White	White	White	White
Materials	PC UL94 V0	PC UL94 V0	PC UL94 V0	PC UL94 V0
Installation	Recessed	Recessed	Recessed	Recessed

# DL98 LED DOWNLIGHT



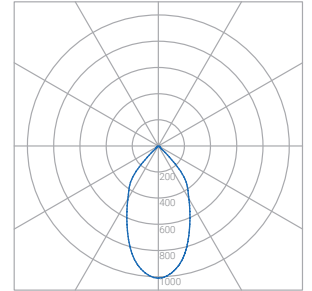
Product Dimensions	Diameter (mm)	Cutout (mm)	Height (mm)	Weight (Kg)
PG-DL54-10W115	115	90 ~ 95	61	0,20
PG-DL54-13W145	145	120 ~ 130	61	0,28
PG-DL54-16W190	190	160 ~ 170	74	0,51
PG-DL54-20W225	225	200 ~ 210	84	0,64

	PG-DL98-8W110	PG-DL98-13W145	PG-DL98-15W172	PG-DL98-25W228
Input	100V ~ 277V AC / 50-60 Hz	100V ~ 277V AC / 50-60 Hz	100V ~ 277V AC / 50-60 Hz	100V ~ 277V AC / 50-60 Hz
Input LED Current	110 mA	180 mA	200 mA	340 mA
Nominal Power	8,0W	13,0W	15,0W	25,0W
Total Power	7,5 W ~ 8,5 W	12,0 W ~ 14,0 W	14,00 W ~ 16,0 W	23,0 W ~ 27,0 W
Equivalent Power	1x18W	1x26W	1x26W	2x26W
Power Factor	> 0.90	> 0.90	> 0.90	> 0.90
LED Type	SMD	SMD	SMD	SMD
Insulation Class	Class II	Class II	Class II	Class II
Output Luminous Flux	750 lm ~ 850 lm	1.300 lm ~ 1.400 lm	1.500 lm ~ 1.700 lm	2.400 lm ~ 2.700 lm
Output Luminous Efficacy	≥ 90 lm/W	≥ 100 lm/W	≥ 100 lm/W	≥ 100 lm/W
CCT	3000K - 4000K - 5000K	3000K - 4000K - 5000K	3000K - 4000K - 5000K	3000K - 4000K - 5000K
CRI (Ra)	> 80	> 80	> 80	> 80
Beam Angle	90°	90°	90°	90°
UGR	< 25	< 25	< 25	< 25 400300200100
IP Protection	IP40 / IP54	IP40 / IP54	IP40 / IP54	IP40 / IP54
Operating Temperature	-20 °C to +45 °C	-20 °C to +45 °C	-20 °C to +45 °C	-20 °C to +45 °C
Storage Temperature	-20 °C to +65 °C	-20 °C to +65 °C	-20 °C to +65 °C	-20 °C to +65 °C
Useful Life	> 50.000 Hours (L70)	> 50.000 Hours (L70)	> 50.000 Hours (L70)	> 50.000 Hours (L70)
Reflector	No Reflector / Specular / Faceted	No Reflector / Specular / Faceted	No Reflector / Specular / Faceted	No Reflector / Specular / Faceted
Diffuser	Frost (No Reflector Version)	Frost (No Reflector Version)	Frost (No Reflector Version)	Frost (No Reflector Version)
Color	White	White	White	White
Materials	PC	PC	PC	PC
Installation	Recessed	Recessed	Recessed	Recessed

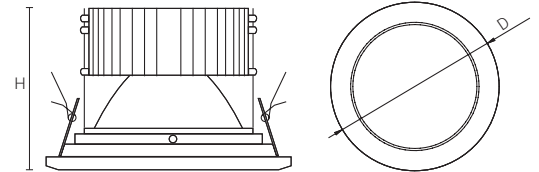
# C SERIES LOW GLARE DOWNLIGHT



UGR < 19



Product Dimensions	Diameter (mm)	Cutout (mm)	Height (mm)	Weight (Kg)
PG-CLG15W	155	136	105	1,0
PG-CLG21W	195	175	110	1,2
PG-CLG29W	230	212	110	1,8



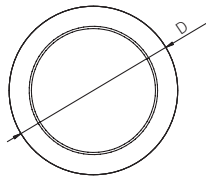
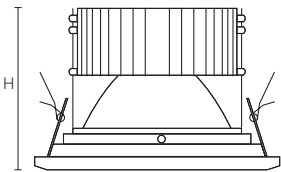
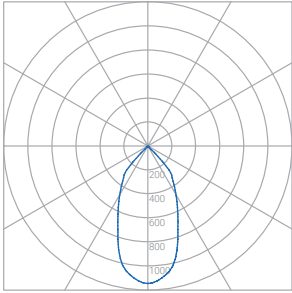
	PG-CLG15W	PG-CLG21W	PG-CLG29W
Input	230V AC / 50-60 Hz	230V AC / 50-60 Hz	230V AC / 50-60 Hz
Input LED Current	350mA	500mA	700mA
Nominal Power	15,0W	21,0W	29,0W
Total Power	14,0 W ~ 16,0 W	20,0 W ~ 22,0 W	28,0 W ~ 30,0 W
Equivalent Power	1x26W	2x26W	2x26W
Power Factor	> 0.90	> 0.90	> 0.90
LED Type	COB	COB	COB
Insulation Class	Class I	Class I	Class I
Output Luminous Flux	1.700 lm ~ 1.800 lm	2.400 lm ~ 2.500 lm	3.200 lm ~ 3.300 lm
Output Luminous Efficacy	≥ 115 lm/W	≥ 115 lm/W	≥ 110 lm/W
CCT	3000K - 4000K	3000K - 4000K	3000K - 4000K
CRI (Ra)	> 80	> 80	> 80
Beam Angle	45°	55°	50°
UGR	< 19	< 19	< 19
IP Protection	IP44	IP44	IP44
Operating Temperature	0 °C to +35 °C	0 °C to +35 °C	0 °C to +35 °C
Storage Temperature	0 °C to +65 °C	0 °C to +65 °C	0 °C to +65 °C
Useful Life	> 60.000 Hours (L90B10)	> 60.000 Hours (L90B10)	> 60.000 Hours (L90B10)
Reflector	High Gloss	High Gloss	High Gloss
Color	White	White	White
Materials	AL + Tempered Glass	AL + Tempered Glass	AL + Tempered Glass
Installation	Recessed	Recessed	Recessed



# C SERIES LOW GLARE DOWNLIGHT IP65



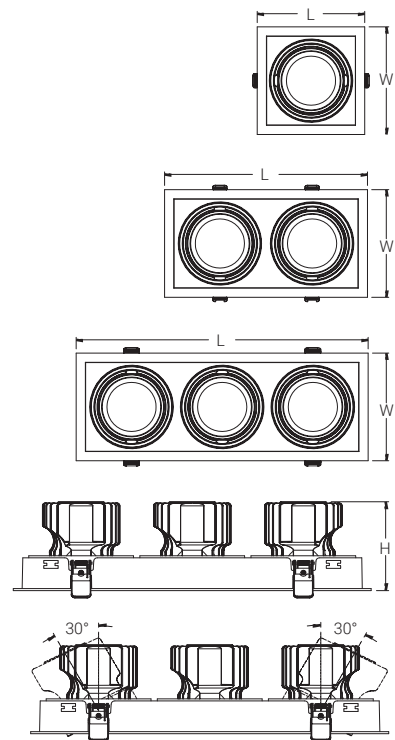
UGR < 19



Product Dimensions	Diameter (mm)	Cutout (mm)	Height (mm)	Weight (Kg)
PG-CLG15W-IP65	245	212	130	1,0
PG-CLG21W-IP65	245	212	130	1,2
PG-CLG29W-IP65	245	212	130	1,8

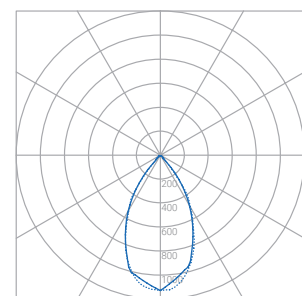
	PG-CLG15W-IP65	PG-CLG21W-IP65	PG-CLG29W-IP65
Input	230V AC / 50-60 Hz	230V AC / 50-60 Hz	230V AC / 50-60 Hz
Input LED Current	350mA	500mA	700mA
Nominal Power	15,0W	21,0W	29,0W
Total Power	14,0 W ~ 16,0 W	20,0 W ~ 22,0 W	28,0 W ~ 30,0 W
Equivalent Power	1x26W	2x26W	2x26W
Power Factor	> 0.90	> 0.90	> 0.90
LED Type	SMD	SMD	SMD
Insulation Class	Class I	Class I	Class I
Output Luminous Flux	2.000 lm ~ 2.100 lm	2.800 lm ~ 2.900 lm	3.200 lm ~ 3.300 lm
Output Luminous Efficacy	≥ 130 lm/W	≥ 130 lm/W	≥ 110 lm/W
CCT	3000K - 4000K	3000K - 4000K	3000K - 4000K
CRI (Ra)	> 80	> 80	> 80
Beam Angle	50°	50°	50°
UGR	< 19	< 19	< 19
IP Protection	IP65	IP65	IP65
Operating Temperature	0 °C to +35 °C	0 °C to +35 °C	0 °C to +35 °C
Storage Temperature	0 °C to +65 °C	0 °C to +65 °C	0 °C to +65 °C
Useful Life	> 60.000 Hours (L90B10)	> 60.000 Hours (L90B10)	> 60.000 Hours (L90B10)
Reflector	High Gloss	High Gloss	High Gloss
Color	White	White	White
Materials	AL + Tempered Glass	AL + Tempered Glass	AL + Tempered Glass
Installation	Recessed	Recessed	Recessed

# SHOP DOWNLIGHT

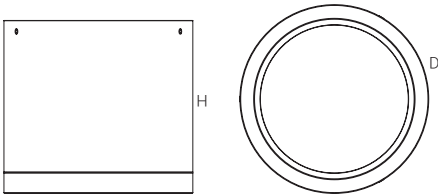
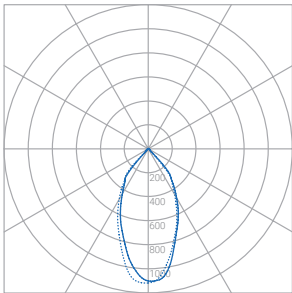


Product Dimensions	Lenght (mm)	Width (mm)	Cutout (mm)	Height (mm)	Weight (Kg)
PG-SDWN35W	175	175	160x160	130	1,2
PG-SDWN70W	230	175	315x160	130	2,4
PG-SDWN105W	475	175	460x160	130	3,6

	PG-SDWN35W	PG-SDWN70W	PG-SDWN105W
Input	100V ~ 240V AC / 50-60 Hz	100V ~ 240V AC / 50-60 Hz	100V ~ 240V AC / 50-60 Hz
Input LED Current	800 mA	2x800 mA	3x800 mA
Nominal Power	35,0W	70,0W	105,0W
Total Power	34,0 W ~ 36,0 W	68,0 W ~ 72,0 W	102,0 W ~ 108,0 W
Equivalent Power	70W	150W	200W
Power Factor	> 0.90	> 0.90	> 0.90
LED Type	COB	COB	COB
Insulation Class	Class II	Class II	Class II
Output Luminous Flux	3.600 lm ~ 3.700 lm	7.200 lm ~ 7.400 lm	10.600 lm ~ 10.800 lm
Output Luminous Efficacy	≥ 100 lm/W	≥ 100 lm/W	≥ 100 lm/W
CCT	3000K - 4000K - 5000K	3000K - 4000K - 5000K	3000K - 4000K - 5000K
CRI (Ra)	> 80 / > 90	> 80 / > 90	> 80 / > 90
Beam Angle	10° / 15° / 24° / 40° / 60°	10° / 15° / 24° / 40° / 60°	10° / 15° / 24° / 40° / 60°
UGR	< 25	< 25	< 25
IP Protection	IP20	IP20	IP20
Operating Temperature	-20 °C to +40 °C	-20 °C to +40 °C	-20 °C to +40 °C
Storage Temperature	-20 °C to +60 °C	-20 °C to +60 °C	-20 °C to +60 °C
Useful Life	50.000 Hours (L70)	50.000 Hours (L70)	50.000 Hours (L70)
Diffuser	Clear / Frost	Clear / Frost	Clear / Frost
Color	White	White	White
Materials	PC + AL	PC + AL	PC + AL
Installation	Recessed	Recessed	Recessed



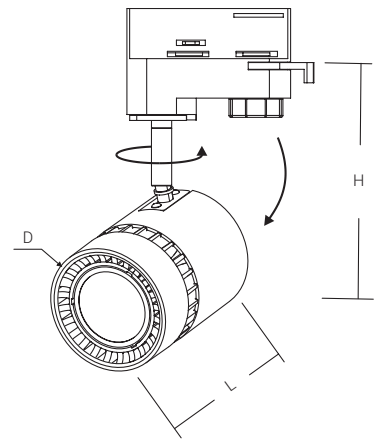
# DL38 LED DOWNLIGHT



Product Dimensions	Diameter (mm)	Height (mm)	Weight (Kg)
PG-DL38-10W	90	100	0,52
PG-DL38-15W	90	100	0,52
PG-DL38-25W	120	110	0,75
PG-DL38-35W	160	120	1,30

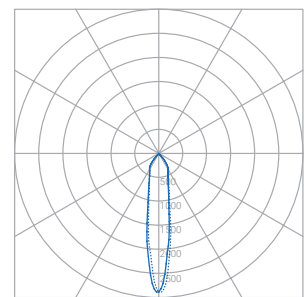
	PG-DL38-10W	PG-DL38-15W	PG-DL38-25W	PG-DL38-35W
Input	100V ~ 240V AC / 50-60 Hz	100V ~ 240V AC / 50-60 Hz	100V ~ 240V AC / 50-60 Hz	100V ~ 240V AC / 50-60 Hz
Input LED Current	240 mA	360 mA	610 mA	820 mA
Nominal Power	10,0W	15,0W	25,0W	35,0W
Total Power	9,0 W ~ 11,0 W	14,0 W ~ 16,0 W	23,00 W ~ 27,0 W	33,00 W ~ 37,0 W
Equivalent Power	1x18W	2x18W	2x26W	70W
Power Factor	> 0.90	> 0.90	> 0.90	> 0.90
LED Type	SMD	SMD	SMD	SMD
Insulation Class	Class I	Class I	Class I	Class I
Output Luminous Flux	800 lm ~ 900 lm	1.200 lm ~ 1.300 lm	2.200 lm ~ 2.400 lm	3.300 lm ~ 3.400 lm
Output Luminous Efficacy	≥ 85 lm/W	≥ 85 lm/W	≥ 85 lm/W	≥ 85 lm/W
CCT	3000K - 4000K - 5000K	3000K - 4000K - 5000K	3000K - 4000K - 5000K	3000K - 4000K - 5000K
CRI (Ra)	> 80	> 80	> 80	> 80
Beam Angle	90°	90°	90°	90°
UGR	< 22	< 22	< 22	< 22
IP Protection	IP54	IP54	IP54	IP54
Operating Temperature	-20 °C to +45 °C	-20 °C to +45 °C	-20 °C to +45 °C	-20 °C to +45 °C
Storage Temperature	-20 °C to +65 °C	-20 °C to +65 °C	-20 °C to +65 °C	-20 °C to +65 °C
Useful Life	50.000 Hours (L70)	50.000 Hours (L70)	50.000 Hours (L70)	50.000 Hours (L70)
Color	White / Black	White / Black	White / Black	White / Black
Materials	Aluminum	Aluminum	Aluminum	Aluminum
Installation	Ceiling Mounted	Ceiling Mounted	Ceiling Mounted	Ceiling Mounted

# TRACK LIGHT

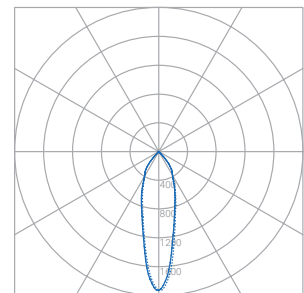


Product Dimensions	Length (mm)	Diameter (mm)	Height (mm)	Weight (Kg)
PG-TL02-8W	94	68	130	0,45
PG-TL02-12W	94	68	130	0,45

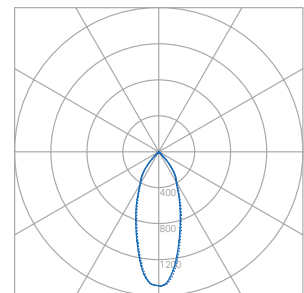
	PG-TL02-8W	PG-TL02-12W
Input	220V ~ 240V AC / 50-60 Hz	220V ~ 240V AC / 50-60 Hz
Input LED Current	200mA	250mA
Nominal Power	8,0W	12,0W
Total Power	7,0 W ~ 9,0 W	11,0 W ~ 13,0 W
Power Factor	> 0.90	> 0.90
LED Type	COB	COB
Output Luminous Flux	700 lm ~ 800 lm	1.100 lm ~ 1.200 lm
Output Luminous Efficacy	≥ 90 lm/W	≥ 90 lm/W
CCT	3000K - 4000K	3000K - 4000K
CRI (Ra)	> 80 / > 90	> 80 / > 90
Beam Angle	16° / 28° / 40° / 60°	16° / 28° / 40° / 60°
UGR	< 25	< 25
IP Protection	IP20	IP20
Operating Temperature	-20 °C to +40 °C	-20 °C to +40 °C
Storage Temperature	-20 °C to +60 °C	-20 °C to +60 °C
Useful Life	50.000 Hours (L70)	50.000 Hours (L70)
Color	White / Black	White / Black
Diffuser	Clear / Frost	Clear / Frost
Track Adaptor Options	2 Wires (1 Ph.) / 4 Wires (3 Ph.)	2 Wires (1 Ph.) / 4 Wires (3 Ph.)
Materials	PC + AL	PC + AL
Installation	Track Rail: Suspending / Ceiling	Track Rail: Suspending / Ceiling



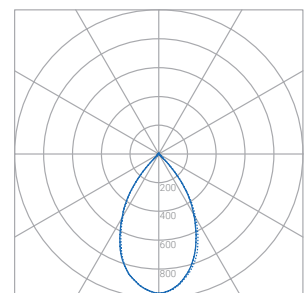
16°



28°

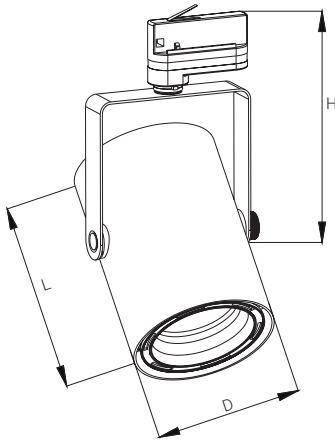


40°

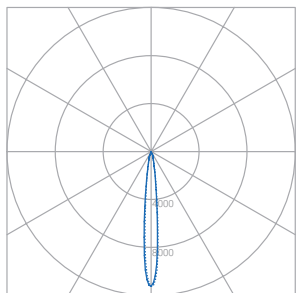


60°

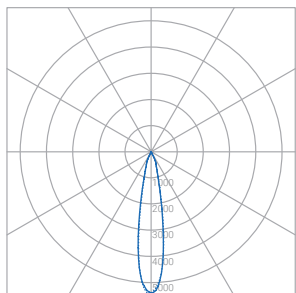
# TRACK LIGHT



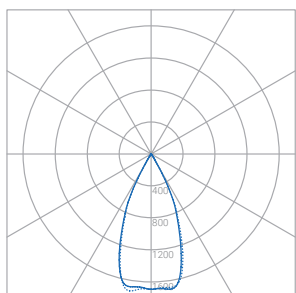
UGR < 19



12°



20°



45°

Product Dimensions	Length (mm)	Diameter (mm)	Height (mm)	Weight (Kg)
PG-TL26-20W	158	110	190	0,95
PG-TL10-30W	182	126	263	1,75
PG-TL10-40W	182	126	263	1,75

	PG-TL26-20W	PG-TL10-30W	PG-TL10-40W
Input	220V ~ 240V AC / 50-60 Hz	220V ~ 240V AC / 50-60 Hz	220V ~ 240V AC / 50-60 Hz
Input LED Current	500mA	700mA	1.000mA
Nominal Power	20,0W	30,0W	40,0W
Total Power	19,0 W ~ 21,0 W	28,0 W ~ 32,0 W	38,0 W ~ 42,0 W
Power Factor	> 0.90	> 0.90	> 0.90
LED Type	COB	COB	COB
Output Luminous Flux	1.900 lm ~ 2.000 lm	2.700 lm ~ 3.000 lm	3.800 lm ~ 4.100 lm
Output Luminous Efficacy	≥ 90 lm/W	≥ 90 lm/W	≥ 90 lm/W
CCT	3000K - 4000K	3000K - 4000K	3000K - 4000K
CRI (Ra)	> 80 / > 90	> 80 / > 90	> 80 / > 90
Beam Angle	10° / 20° / 38°	12° / 20° / 45°	12° / 20° / 45°
UGR	< 19	< 19	< 19
IP Protection	IP20	IP20	IP20
Operating Temperature	-20 °C to +40 °C	-20 °C to +40 °C	-20 °C to +40 °C
Storage Temperature	-20 °C to +60 °C	-20 °C to +60 °C	-20 °C to +60 °C
Useful Life	50.000 Hours (L70)	50.000 Hours (L70)	50.000 Hours (L70)
Color	White / Black	White / Black	White / Black
Diffuser	Clear / Frost	Clear / Frost	Clear / Frost
Track Adaptor Options	2 Wires (1 Ph.) / 4 Wires (3 Ph.)	2 Wires (1 Ph.) / 4 Wires (3 Ph.)	2 Wires (1 Ph.) / 4 Wires (3 Ph.)
Accessories	PG-TL26-A1 / A2 / A3	PG-TL10-A1 / A2 / A3	PG-TL10-A1 / A2 / A3
Materials	PC + AL	PC + AL	PC + AL
Installation	Track Rail: Suspending / Ceiling	Track Rail: Suspending / Ceiling	Track Rail: Suspending / Ceiling



# LED Linear Light

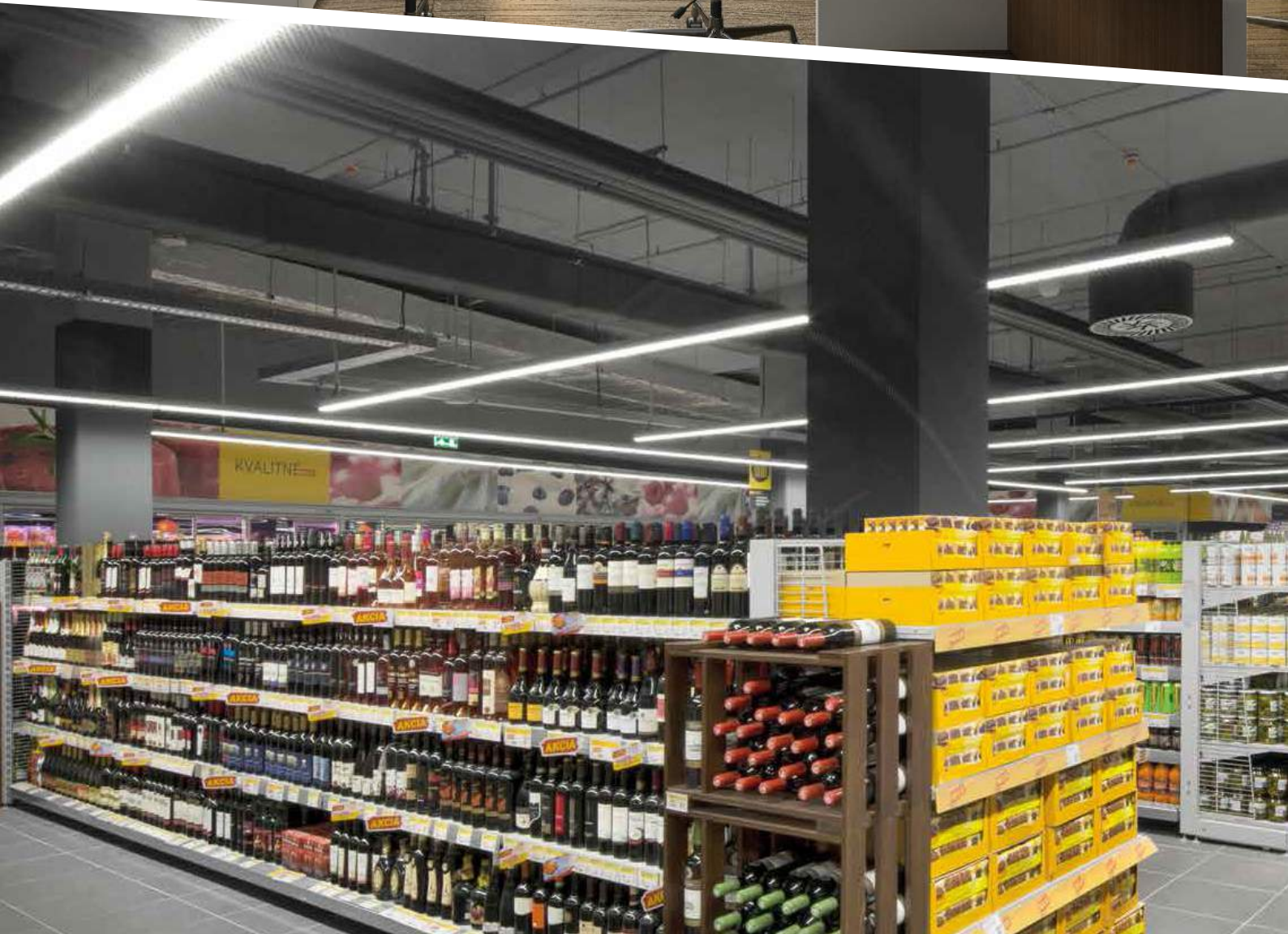
## Description

The LED Trunking Light is a LED lighting system designed for continuous line installation. LED Linear Light is representing the best solution for the replacement of existing light fixtures with fluorescent tubes, both from the point of view of energy saving both from the point of view of design. It is ideal for shops, malls, offices, conference room, openspaces.

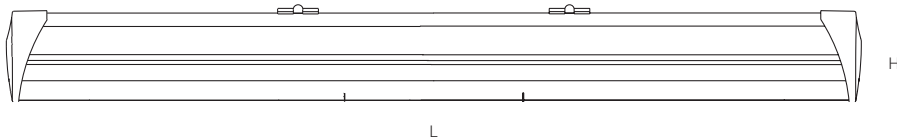
## Certifications



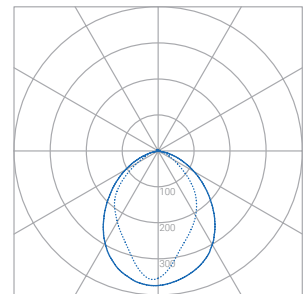




# LED TRUNKING LIGHT



Product Dimensions	Length (mm)	Width (mm)	Height (mm)	Weight (Kg)
MG-T70-20W600	535	73	72	1,4
MG-T70-40W1200	1135	73	72	2,8
MG-T70-35W1500	1435	73	72	3,3
MG-T70-50W1500	1435	73	72	3,4
MG-T70-60W1500	1435	73	72	3,4
MG-T70-80W1500	1435	73	72	3,5

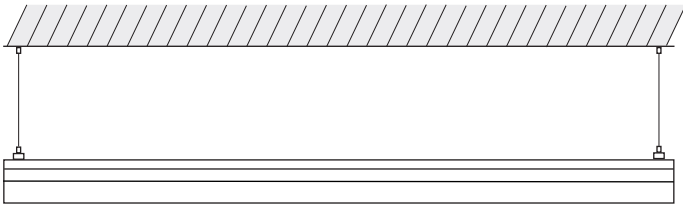


	MG-T70-20W600	MG-T70-40W1200	MG-T70-35W1500
Input	220V ~ 240V AC / 50-60 Hz	220V ~ 240V AC / 50-60 Hz	220V ~ 240V AC / 50-60 Hz
Nominal Power	20,0W	40,0W	35,0W
Total Power	19,0 W ~ 21,0 W	38,0 W ~ 42,0 W	33,0 W ~ 37,0 W
Equivalent Power	2x18W	2x36W / 2x28W / 2x35W	2x36W / 2x35W / 2x58W / 1x80W
Power Factor	> 0.90	> 0.90	> 0.90
LED Type	SMD 2835	SMD 2835	SMD 2835
Insulation Class	Class I	Class I	Class I
Output Luminous Flux	3.000 lm ~ 3.100 lm	6.000 lm ~ 6.200 lm	5.200 lm ~ 5.300 lm
Output Luminous Efficacy	150 lm/W	150 lm/W	150 lm/W
CCT	3000K - 4000K - 6500K	3000K - 4000K - 6500K	3000K - 4000K - 6500K
CRI (Ra)	> 80	> 80	> 80
Beam Angle	> 80°	90°	90°
IP Protection	IP20	IP20	IP20
IK Protection	IK05	IK05	IK05
Operating Temperature	-20 °C to +40 °C	-20 °C to +40 °C	-20 °C to +40 °C
Storage Temperature	-20 °C to +65 °C	-20 °C to +65 °C	-20 °C to +65 °C
Wires Numbers	5 / 7 / 9	5 / 7 / 9	5 / 7 / 9
Emergency Function	Optional	Optional	Optional
Useful Life	> 50.000 Hours (L80)	> 50.000 Hours (L80)	> 50.000 Hours (L80)
Materials	PC + AL	PC + AL	PC + AL
Installation	Suspending / Ceiling	Suspending / Ceiling	Suspending / Ceiling

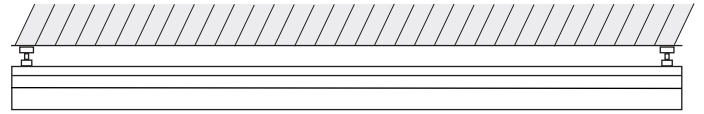
# LED TRUNKING LIGHT

Single Mode Installation

Recessed

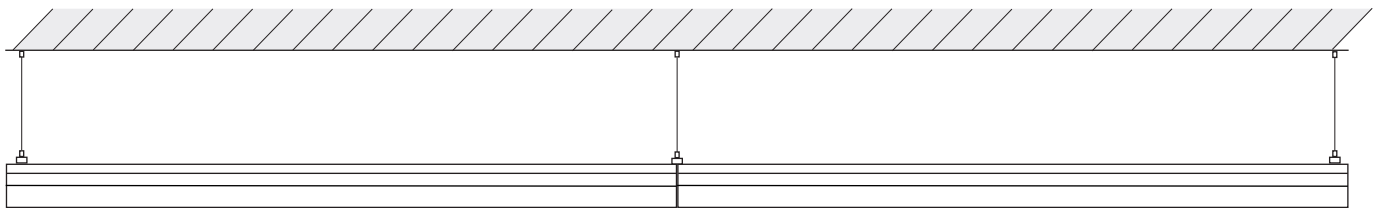


Ceiling Mounted

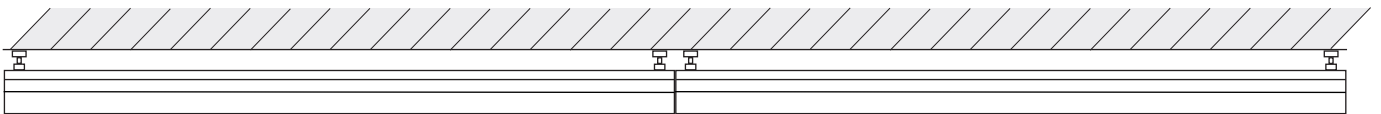


Continuous Line Installation

Recessed



Ceiling Mounted

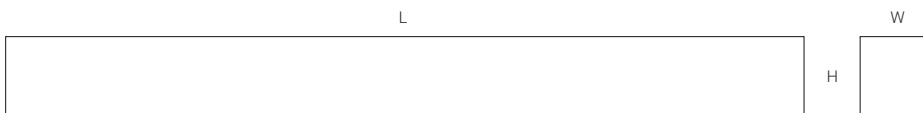
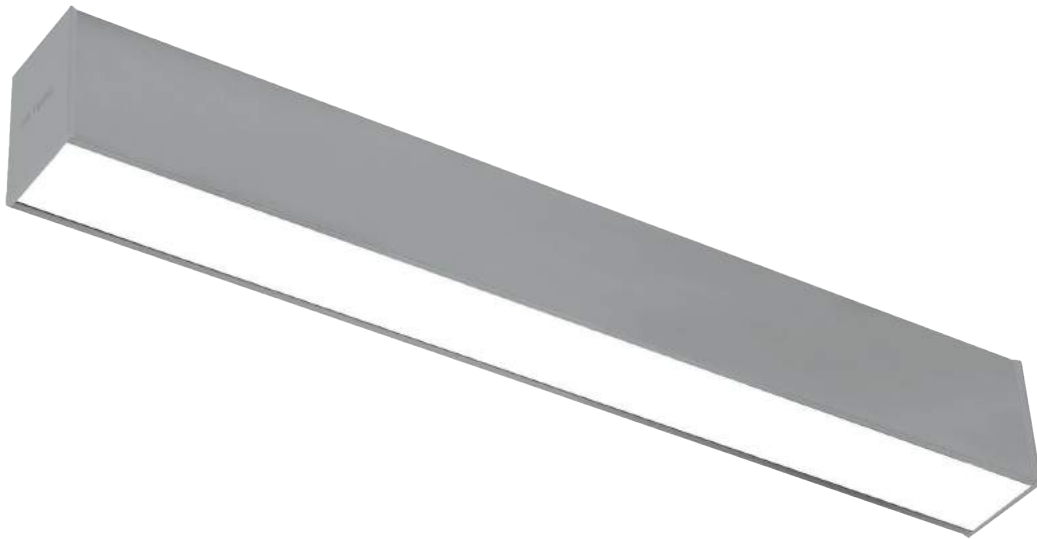


	MG-T70-50W1500	MG-T70-60W1500	MG-T70-80W1500
Input	220V ~ 240V AC / 50-60 Hz	220V ~ 240V AC / 50-60 Hz	220V ~ 240V AC / 50-60 Hz
Nominal Power	50,0W	60,0W	80,0W
Total Power	48,0 W ~ 52,0 W	58,0 W ~ 62,0 W	77,0 W ~ 83,0 W
Equivalent Power	2x58W / 2x54W / 2x80W	2x58W / 2x54W / 2x80W	2x80W
Power Factor	> 0.90	> 0.90	> 0.90
LED Type	SMD 2835	SMD 2835	SMD 2835
Insulation Class	Class I	Class I	Class I
Output Luminous Flux	7.500 lm ~ 7.600 lm	9.000 lm ~ 9.200 lm	12.000 lm ~ 12.300 lm
Output Luminous Efficacy	150 lm/W	150 lm/W	150 lm/W
CCT	3000K - 4000K - 6500K	3000K - 4000K - 6500K	3000K - 4000K - 6500K
CRI (Ra)	> 80	> 80	> 80
Beam Angle	90°	90°	90°
IP Protection	IP20	IP20	IP20
IK Protection	IK05	IK05	IK05
Operating Temperature	-20 °C to +40 °C	-20 °C to +40 °C	-20 °C to +40 °C
Storage Temperature	-20 °C to +65 °C	-20 °C to +65 °C	-20 °C to +65 °C
Wires Numbers	5 / 7 / 9	5 / 7 / 9	5 / 7 / 9
Emergency Function	Optional	Optional	Optional
Useful Life	> 50.000 Hours (L80)	> 50.000 Hours (L80)	> 50.000 Hours (L80)
Materials	PC + AL	PC + AL	PC + AL
Installation	Suspending / Ceiling	Suspending / Ceiling	Suspending / Ceiling

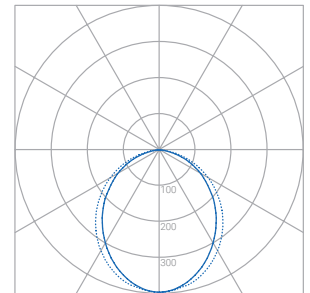


# MERCURY LINEAR LIGHT PREMIUM

OPAL



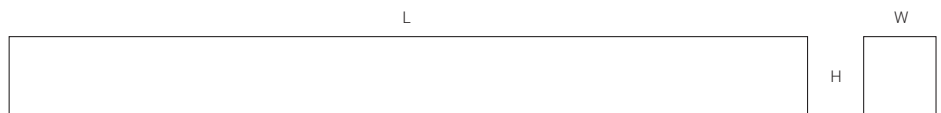
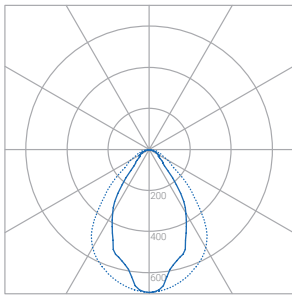
Product Dimensions	Length (mm)	Width (mm)	Height (mm)	Weight (Kg)
PG-MRY10W-O	545	57	75	1,3
PG-MRY19W-O	1085	57	75	2,3
PG-MRY28W-O	1625	57	75	3,2
PG-MRY38W-O	2170	57	75	4,5



	PG-MRY10W-O	PG-MRY19W-O	PG-MRY28W-O	PG-MRY38W-O
<b>Input</b>	230 VAC / 50-60 Hz	230 VAC / 50-60 Hz	230 VAC / 50-60 Hz	230 VAC / 50-60 Hz
<b>Nominal Power</b>	10W	19W	28W	38W
<b>Total Power</b>	9,0W ~ 11,0W	18,0W ~ 20,0W	26,0W ~ 30,0W	36,0W ~ 40,0W
<b>Power Factor</b>	> 0.90	> 0.90	> 0.90	> 0.90
<b>LED Type</b>	SMD SAMSUNG 3030	SMD SAMSUNG 3030	SMD SAMSUNG 3030	SMD SAMSUNG 3030
<b>Insulation Class</b>	Class I	Class I	Class I	Class I
<b>Output Luminous Flux</b>	1.100 lm ~ 1.200 lm	2.200 lm ~ 2.300 lm	3.300 lm ~ 3.400 lm	4.500 lm ~ 4.600 lm
<b>Output Luminous Efficacy</b>	> 110 lm/W	> 110 lm/W	≥ 120 lm/W	≥ 120 lm/W
<b>CCT</b>	3000K - 4000K	3000K - 4000K	3000K - 4000K	3000K - 4000K
<b>CRI (Ra)</b>	> 80	> 80	> 80	> 80
<b>Beam Angle</b>	120°	120°	120°	120°
<b>UGR</b>	< 25	< 25	< 25	< 25
<b>IP Protection</b>	IP20	IP20	IP20	IP20
<b>Operating Temperature</b>	-15 °C ~ 40 °C	-15 °C ~ 40 °C	-15 °C ~ 40 °C	-15 °C ~ 40 °C
<b>Storage Temperature</b>	-20 °C ~ 40 °C	-20 °C ~ 40 °C	-20 °C ~ 40 °C	-20 °C ~ 40 °C
<b>Useful Life</b>	> 60.000 Hours (L90B10)	> 60.000 Hours (L90B10)	> 60.000 Hours (L90B10)	> 60.000 Hours (L90B10)
<b>Diffuser</b>	Opal	Opal	Opal	Opal
<b>Materials</b>	PMMA + AL	PMMA + AL	PMMA + AL	PMMA + AL
<b>Accessories</b>	End Caps / Invisible Linea Joint	End Caps / Invisible Linea Joint	End Caps / Invisible Linea Joint	End Caps / Invisible Linea Joint
<b>Installation</b>	Sunspending / Ceiling	Sunspending / Ceiling	Sunspending / Ceiling	Sunspending / Ceiling
<b>Installation Accessories</b>	Suspension (Simple or Electric)	Suspension (Simple or Electric)	Suspension (Simple or Electric)	Suspension (Simple or Electric)

# MERCURY LINEAR LIGHT PREMIUM

MICROPRISMATIC



Product Dimensions	Length (mm)	Width (mm)	Height (mm)	Weight (Kg)
PG-MRY10W-MP	545	57	75	1,3
PG-MRY19W-MP	1085	57	75	2,3
PG-MRY28W-MP	1625	57	75	3,2
PG-MRY38W-MP	2170	57	75	4,5

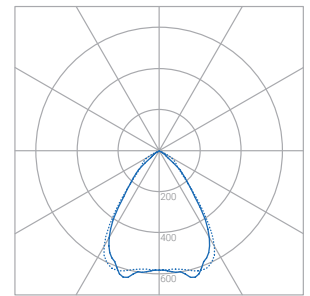
	PG-MRY10W-MP	PG-MRY19W-MP	PG-MRY28W-MP	PG-MRY38W-MP
<b>Input</b>	230 VAC / 50-60 Hz	230 VAC / 50-60 Hz	230 VAC / 50-60 Hz	230 VAC / 50-60 Hz
<b>Nominal Power</b>	10W	19W	28W	38W
<b>Total Power</b>	9,0W ~ 11,0W	18,0W ~ 20,0W	26,0W ~ 30,0W	36,0W ~ 40,0W
<b>Power Factor</b>	> 0.90	> 0.90	> 0.90	> 0.90
<b>LED Type</b>	SMD SAMSUNG 3030	SMD SAMSUNG 3030	SMD SAMSUNG 3030	SMD SAMSUNG 3030
<b>Insulation Class</b>	Class I	Class I	Class I	Class I
<b>Output Luminous Flux</b>	1.200 lm ~ 1.300 lm	2.400 lm ~ 2.500 lm	3.600 lm ~ 3.700 lm	4.900 lm ~ 5.000 lm
<b>Output Luminous Efficacy</b>	≥ 120 lm/W	≥ 120 lm/W	≥ 130 lm/W	≥ 130 lm/W
<b>CCT</b>	3000K - 4000K	3000K - 4000K	3000K - 4000K	3000K - 4000K
<b>CRI (Ra)</b>	> 80	> 80	> 80	> 80
<b>Beam Angle</b>	120°	120°	120°	120°
<b>UGR</b>	< 22	< 22	< 22	< 22
<b>IP Protection</b>	IP20	IP20	IP20	IP20
<b>Operating Temperature</b>	-15 °C ~ 40 °C	-15 °C ~ 40 °C	-15 °C ~ 40 °C	-15 °C ~ 40 °C
<b>Storage Temperature</b>	-20 °C ~ 40 °C	-20 °C ~ 40 °C	-20 °C ~ 40 °C	-20 °C ~ 40 °C
<b>Useful Life</b>	> 60.000 Hours (L90B10)	> 60.000 Hours (L90B10)	> 60.000 Hours (L90B10)	> 60.000 Hours (L90B10)
<b>Diffuser</b>	Microprismatic	Microprismatic	Microprismatic	Microprismatic
<b>Materials</b>	PMMA + AL	PMMA + AL	PMMA + AL	PMMA + AL
<b>Accessories</b>	End Caps / Invisible Linea Joint	End Caps / Invisible Linea Joint	End Caps / Invisible Linea Joint	End Caps / Invisible Linea Joint
<b>Installation</b>	Sunspending / Ceiling	Sunspending / Ceiling	Sunspending / Ceiling	Sunspending / Ceiling
<b>Installation Accessories</b>	Suspension (Simple or Electric)	Suspension (Simple or Electric)	Suspension (Simple or Electric)	Suspension (Simple or Electric)

# MERCURY LINEAR LIGHT PREMIUM

PAR



Product Dimensions	Length (mm)	Width (mm)	Height (mm)	Weight (Kg)
PG-MRY12W-PAR	545	57	75	1,4
PG-MRY22W-PAR	1085	57	75	2,3
PG-MRY32W-PAR	1625	57	75	3,4
PG-MRY42W-PAR	2170	57	75	4,8



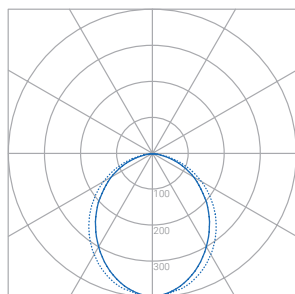
	PG-MRY12W-PAR	PG-MRY22W-PAR	PG-MRY32W-PAR	PG-MRY42W-PAR
<b>Input</b>	230 VAC / 50-60 Hz	230 VAC / 50-60 Hz	230 VAC / 50-60 Hz	230 VAC / 50-60 Hz
<b>Nominal Power</b>	12W	22W	32W	42W
<b>Total Power</b>	11,0W ~ 13,0W	21,0W ~ 23,0W	30,0W ~ 34,0W	40,0W ~ 44,0W
<b>Power Factor</b>	> 0.90	> 0.90	> 0.90	> 0.90
<b>LED Type</b>	SMD SAMSUNG 3030	SMD SAMSUNG 3030	SMD SAMSUNG 3030	SMD SAMSUNG 3030
<b>Insulation Class</b>	Class I	Class I	Class I	Class I
<b>Output Luminous Flux</b>	1.600 lm ~ 1.700 lm	3.200 lm ~ 3.300 lm	4.600 lm ~ 4.700 lm	6.400 lm ~ 6.500 lm
<b>Output Luminous Efficacy</b>	≥ 130 lm/W	≥ 140 lm/W	≥ 140 lm/W	≥ 140 lm/W
<b>CCT</b>	3000K - 4000K	3000K - 4000K	3000K - 4000K	3000K - 4000K
<b>CRI (Ra)</b>	> 80	> 80	> 80	> 80
<b>Beam Angle</b>	120°	120°	120°	120°
<b>UGR</b>	< 19	< 19	< 19	< 19
<b>IP Protection</b>	IP20	IP20	IP20	IP20
<b>Operating Temperature</b>	-15 °C ~ 40 °C	-15 °C ~ 40 °C	-15 °C ~ 40 °C	-15 °C ~ 40 °C
<b>Storage Temperature</b>	-20 °C ~ 40 °C	-20 °C ~ 40 °C	-20 °C ~ 40 °C	-20 °C ~ 40 °C
<b>Useful Life</b>	> 60.000 Hours (L90B10)	> 60.000 Hours (L90B10)	> 60.000 Hours (L90B10)	> 60.000 Hours (L90B10)
<b>Diffuser</b>	PAR	PAR	PAR	PAR
<b>Materials</b>	PMMA + AL	PMMA + AL	PMMA + AL	PMMA + AL
<b>Accessories</b>	End Caps / Invisible Linea Joint	End Caps / Invisible Linea Joint	End Caps / Invisible Linea Joint	End Caps / Invisible Linea Joint
<b>Installation</b>	Sunspending / Ceiling	Sunspending / Ceiling	Sunspending / Ceiling	Sunspending / Ceiling
<b>Installation Accessories</b>	Suspension (Simple or Electric)	Suspension (Simple or Electric)	Suspension (Simple or Electric)	Suspension (Simple or Electric)



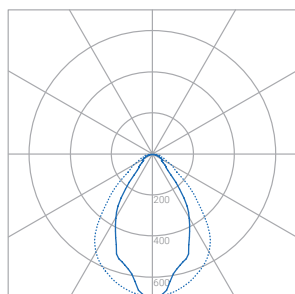
# MERCURY CORNER LIGHT PREMIUM



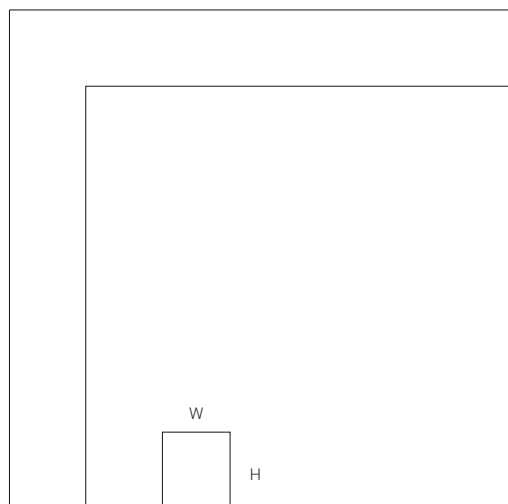
OPAL



MICROPRISMATIC

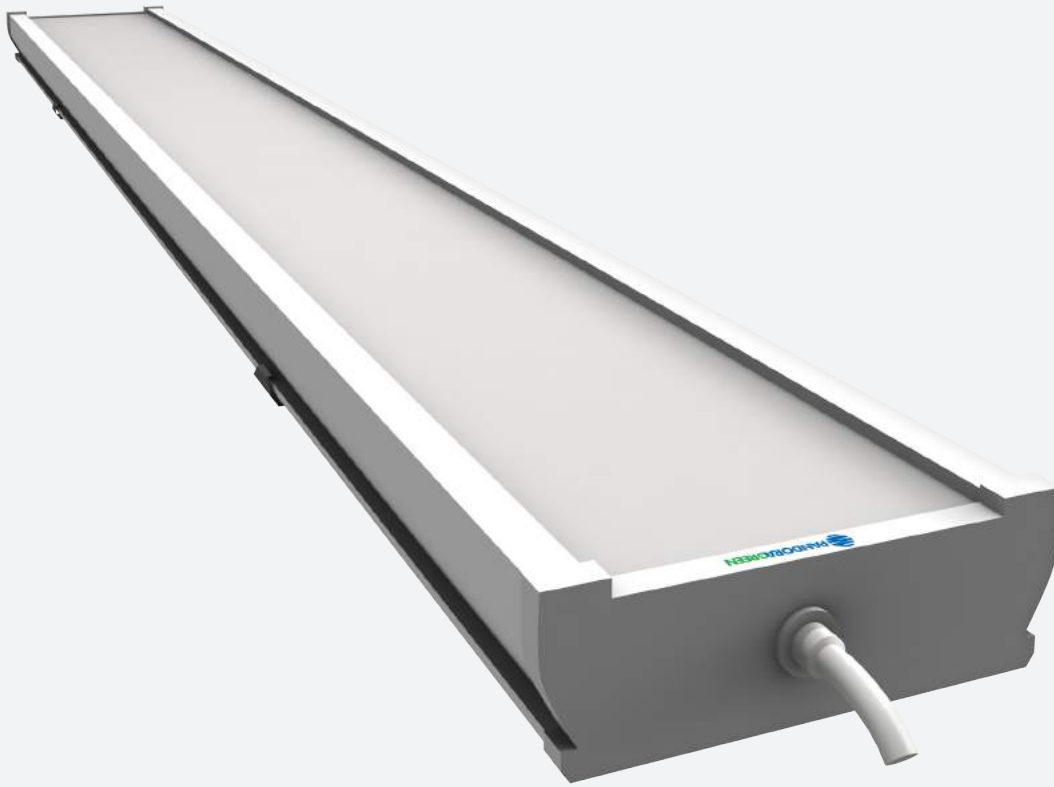


L



Product Dimensions	Length (mm)	Width (mm)	Height (mm)	Weight (Kg)
PG-MRYC19W-O	576	57	75	2,3
PG-MRYC19W-MP	576	57	75	2,3

	PG-MRYC19W-O	PG-MRYC19W-MP
Input	230 VAC / 50-60 Hz	230 VAC / 50-60 Hz
Nominal Power	10W	19W
Total Power	9,0W ~ 11,0W	18,0W ~ 20,0W
Power Factor	> 0.90	> 0.90
LED Type	SMD SAMSUNG 3030	SMD SAMSUNG 3030
Insulation Class	Class I	Class I
Output Luminous Flux	2.200 lm ~ 2.300 lm	2.400 lm ~ 2.400 lm
Output Luminous Efficacy	> 110 lm/W	> 110 lm/W
CCT	3000K - 4000K	3000K - 4000K
CRI (Ra)	> 80	> 80
Beam Angle	120°	120°
UGR	< 25	< 19
IP Protection	IP20	IP20
Operating Temperature	-15 °C ~ 40 °C	-15 °C ~ 40 °C
Storage Temperature	-20 °C ~ 40 °C	-20 °C ~ 40 °C
Useful Life	> 60.000 Hours (L90B10)	> 60.000 Hours (L90B10)
Diffuser	Opal	Microprismatic
Materials	PMMA + AL	PMMA + AL
Accessories	End Caps / Invisible Linea Joint	End Caps / Invisible Linea Joint
Installation	Sunspending / Ceiling	Sunspending / Ceiling
Installation Accessories	Suspension (Simple or Electric)	Suspension (Simple or Electric)



# LED Waterproof Light

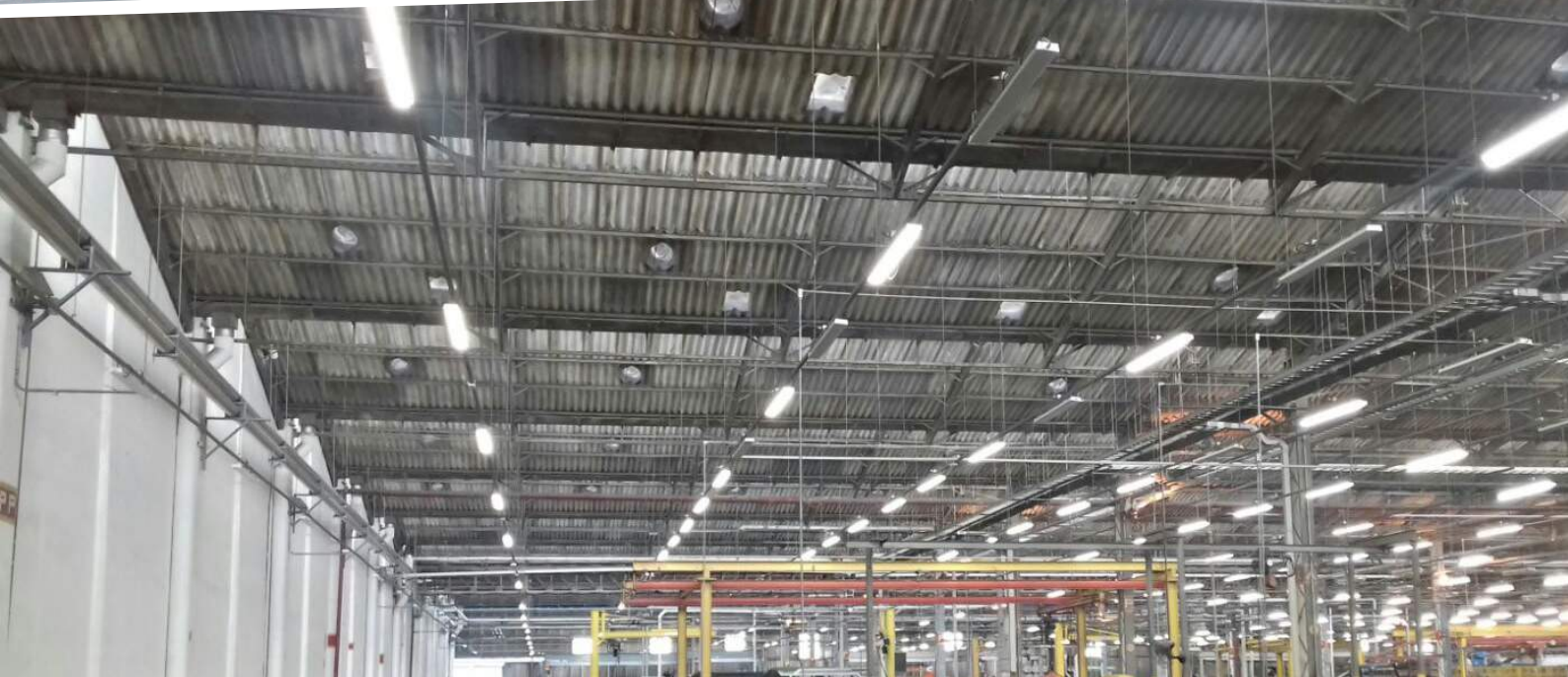
## Description

Among the new applications for energy efficiency technology, there are certainly industrial, logistic and production areas and spaces. The most of extra energy consumption in these fields is due to old technologies lighting devices installations, which cause a consistent energy waste, produced by the need of constant maintenance and the electronic components aging. Pandora Green Triproof Series is a smart solution ideal for all the problems mentioned above.

## Certifications





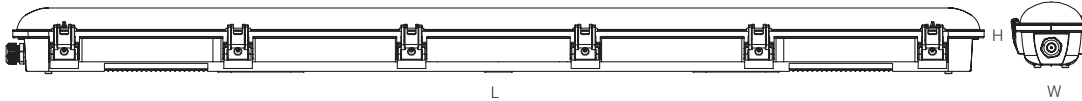
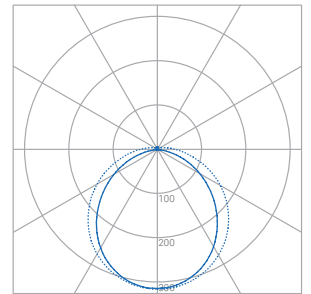




# LED WEATHERPROOF LIGHT



Product Dimensions	Length (mm)	Width (mm)	Height (mm)
PG-WL20W600-140	650	100	82
PG-WL20W1220-140	1220	100	82
PG-WL36W1220-140	1220	100	82
PG-WL45W1220-140	1220	100	82
PG-WL36W1560-140	1560	100	82
PG-WL54W1560-140	1560	100	82
PG-WL62W1560-140	1560	100	82



600 mm

	PG-WL20W650-140
Input	220 ~ 240 VAC / 50-60 Hz
Nominal Power	20W
Total Power	19,0W ~ 21,0W
Equivalent Power	2x18W
Power Factor	> 0.90
LED Type	SMD LG
Insulation Class	Class II
Output Luminous Flux	2.800 lm ~ 2.900 lm
Output Luminous Efficacy	140 lm/W
CCT	4000K - 5000K - 6500K
CRI (Ra)	> 80
Beam Angle	120°
IP Protection	IP66
IK Protection	IK10
Operating Temperature	-20 °C ~ 35 °C
Storage Temperature	-25 °C ~ 40 °C
Emergency Function (M)	Optional
Dimming Options	0-10V / DALI
Useful Life	> 60.000 Hours (L80B10)
Materials	PC + Stainless Steel (Clips)
Installation	Sunspending / Ceiling

# LED WEATHERPROOF LIGHT

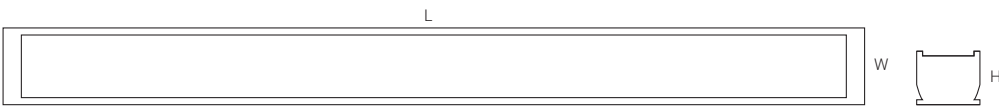
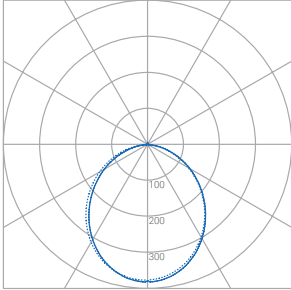
1200 mm

	PG-WL20W1220-140	PG-WL36W1220-140	PG-WL45W1220-140
Input	220 ~ 240 VAC / 50-60 Hz	220 ~ 240 VAC / 50-60 Hz	220 ~ 240 VAC / 50-60 Hz
Nominal Power	20W	36W	45W
Total Power	19,0W ~ 21,0W	34,0W ~ 38,0W	43,0W ~ 47,0W
Equivalent Power	1x36W	2x36W	2x36W / 2x54W
Power Factor	> 0.90	> 0.90	> 0.90
LED Type	SMD LG	SMD LG	SMD LG
Insulation Class	Class II	Class II	Class II
Output Luminous Flux	2.800 lm ~ 2.900 lm	5.000 lm ~ 5.100 lm	6.300 lm ~ 6.400 lm
Output Luminous Efficacy	140 lm/W	140 lm/W	140 lm/W
CCT	4000K - 5000K - 6500K	4000K - 5000K - 6500K	4000K - 5000K - 6500K
CRI (Ra)	> 80	> 80	> 80
Beam Angle	120°	120°	120°
IP Protection	IP66	IP66	IP66
IK Protection	IK10	IK10	IK10
Operating Temperature	-20 °C ~ 35 °C	-20 °C ~ 35 °C	-20 °C ~ 35 °C
Storage Temperature	-25 °C ~ 40 °C	-25 °C ~ 40 °C	-25 °C ~ 40 °C
Emergency Function (M)	Optional	Optional	Optional
Dimming Options	0-10V / DALI	0-10V / DALI	0-10V / DALI
Useful Life	> 60.000 Hours (L80B10)	> 60.000 Hours (L80B10)	> 60.000 Hours (L80B10)
Materials	PC + Stainless Steel (Clips)	PC + Stainless Steel (Clips)	PC + Stainless Steel (Clips)
Installation	Sunspending / Ceiling	Sunspending / Ceiling	Sunspending / Ceiling

1200 mm

	PG-WL36W1560-140	PG-WL54W1560-140	PG-WL65W1560-140
Input	220 ~ 240 VAC / 50-60 Hz	220 ~ 240 VAC / 50-60 Hz	220 ~ 240 VAC / 50-60 Hz
Nominal Power	36W	54W	65W
Total Power	34,0W ~ 38,0W	52,0W ~ 56,0W	63,0W ~ 67,0W
Equivalent Power	1x58W / 1x80W	2x58W	2x58W / 2x80W
Power Factor	> 0.90	> 0.90	> 0.90
LED Type	SMD LG	SMD LG	SMD LG
Insulation Class	Class II	Class II	Class II
Output Luminous Flux	5.000 lm ~ 5.100 lm	7.500 lm ~ 7.600 lm	9.100 lm ~ 9.200 lm
Output Luminous Efficacy	140 lm/W	140 lm/W	140 lm/W
CCT	4000K - 5000K - 6500K	4000K - 5000K - 6500K	4000K - 5000K - 6500K
CRI (Ra)	> 80	> 80	> 80
Beam Angle	120°	120°	120°
IP Protection	IP66	IP66	IP66
IK Protection	IK10	IK10	IK10
Operating Temperature	-20 °C ~ 35 °C	-20 °C ~ 35 °C	-20 °C ~ 35 °C
Storage Temperature	-25 °C ~ 40 °C	-25 °C ~ 40 °C	-25 °C ~ 40 °C
Emergency Function (M)	Optional	Optional	Optional
Dimming Options	0-10V / DALI	0-10V / DALI	0-10V / DALI
Useful Life	> 60.000 Hours (L80B10)	> 60.000 Hours (L80B10)	> 60.000 Hours (L80B10)
Materials	PC + Stainless Steel (Clips)	PC + Stainless Steel (Clips)	PC + Stainless Steel (Clips)
Installation	Sunspending / Ceiling	Sunspending / Ceiling	Sunspending / Ceiling

# LED TRIPROOF



Product Dimensions	Length (mm)	Width (mm)	Height (mm)	Height (mm)
PG-STP10W	300	124	43	43
PG-STP20W	640	124	43	43
PG-STP30W	1200	124	43	43
PG-STP40W	1200	124	43	43
PG-STP50W	1500	124	43	43
PG-STP60W	1500	124	43	43

## Whole Range

Model	Output Luminous Flux	Output Luminous Efficacy
PG-STP10W-100	1.000 lm ~ 1.100 lm	100 lm/W
PG-STP20W-100	2.000 lm ~ 2.100 lm	100 lm/W
PG-STP30W-100	3.000 lm ~ 3.100 lm	100 lm/W
PG-STP40W-100	4.000 lm ~ 4.100 lm	100 lm/W
PG-STP50W-100	5.000 lm ~ 5.100 lm	100 lm/W
PG-STP60W-100	6.000 lm ~ 6.100 lm	100 lm/W
PG-STP10W-130	1.300 lm ~ 1.400 lm	130 lm/W
PG-STP20W-130	2.600 lm ~ 2.700 lm	130 lm/W
PG-STP30W-130	3.900 lm ~ 4.000 lm	130 lm/W
PG-STP40W-130	5.200 lm ~ 5.300 lm	130 lm/W
PG-STP50W-130	6.500 lm ~ 6.600 lm	130 lm/W
PG-STP60W-130	7.800 lm ~ 7.900 lm	130 lm/W
PG-STP10W-140	1.400 lm ~ 1.500 lm	140 lm/W
PG-STP20W-140	2.800 lm ~ 2.900 lm	140 lm/W
PG-STP30W-140	4.200 lm ~ 4.300 lm	140 lm/W
PG-STP40W-140	5.600 lm ~ 5.700 lm	140 lm/W
PG-STP50W-140	7.000 lm ~ 7.100 lm	140 lm/W
PG-STP60W-140	8.400 lm ~ 8.500 lm	140 lm/W
PG-STP10W-150	1.500 lm ~ 1.600 lm	150 lm/W
PG-STP20W-150	3.000 lm ~ 3.100 lm	150 lm/W
PG-STP30W-150	4.500 lm ~ 4.600 lm	150 lm/W
PG-STP40W-150	6.000 lm ~ 6.100 lm	150 lm/W
PG-STP50W-150	7.500 lm ~ 7.600 lm	150 lm/W
PG-STP60W-150	9.000 lm ~ 9.100 lm	150 lm/W

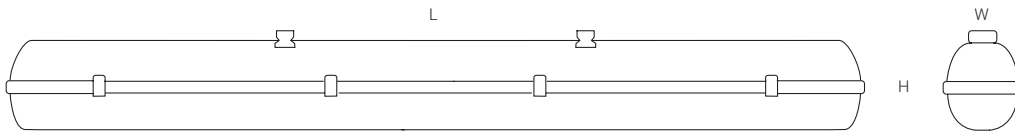
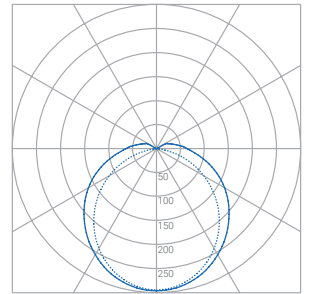


	PG-STP10W-130	PG-STP20W-130	PG-STP30W-130
Input	85 ~ 265 VAC / 50-60 Hz	85 ~ 265 VAC / 50-60 Hz	85 ~ 265 VAC / 50-60 Hz
Nominal Power	10W	20W	30W
Total Power	9,0W ~ 11,0W	19,0W ~ 21,0W	29,0W ~ 31,0W
Equivalent Power	1x18W	2x18W	2x36W
Power Factor	> 0.90	> 0.90	> 0.90
LED Type	SMD 2835	SMD 2835	SMD 2835
Insulation Class	Class II	Class II	Class II
Output Luminous Flux	1.300 lm ~ 1.400 lm	2.600 lm ~ 2.700 lm	3.900 lm ~ 4.000 lm
Output Luminous Efficacy	130 lm/W	130 lm/W	130 lm/W
CCT	3000K - 4000K - 6000K	3000K - 4000K - 6000K	3000K - 4000K - 6000K
CRI (Ra)	> 80	> 80	> 80
Beam Angle	> 120°	> 120°	> 120°
UGR	< 25	< 25	< 25
IP Protection	IP65	IP65	IP65
Operating Temperature	-20 °C ~ 45 °C	-20 °C ~ 45 °C	-20 °C ~ 45 °C
Storage Temperature	-25 °C ~ 50 °C	-25 °C ~ 50 °C	-25 °C ~ 50 °C
Emergency Function (M)	Optional	Optional	Optional
Emergency Power / Flux	7W / 650 lm	7W	7W
Emergency Mode	3 Hours	3 Hours	3 Hours
Useful Life	> 50.000 Hours (L70)	> 50.000 Hours (L70)	> 50.000 Hours (L70)
Materials	PVC + PMMA	PVC + PMMA	PVC + PMMA
Installation	Sunspending / Ceiling	Sunspending / Ceiling	Sunspending / Ceiling

	PG-STP40W-130	PG-STP50W-130	PG-STP60W-130
Input	85 ~ 265 VAC / 50-60 Hz	85 ~ 265 VAC / 50-60 Hz	85 ~ 265 VAC / 50-60 Hz
Nominal Power	40W	50W	60W
Total Power	38,0W ~ 42,0W	48,0W ~ 52,0W	58,0W ~ 62,0W
Equivalent Power	2x36W	2x58W	2x58W
Power Factor	> 0.90	> 0.90	> 0.90
LED Type	SMD 2835	SMD 2835	SMD 2835
Insulation Class	Class II	Class II	Class II
Output Luminous Flux	5.200 lm ~ 5.300 lm	6.500 lm ~ 6.600 lm	7.800 lm ~ 7.900 lm
Output Luminous Efficacy	130 lm/W	130 lm/W	130 lm/W
CCT	3000K - 4000K - 6000K	3000K - 4000K - 6000K	3000K - 4000K - 6000K
CRI (Ra)	> 80	> 80	> 80
Beam Angle	> 120°	> 120°	> 120°
UGR	< 25	< 25	< 25
IP Protection	IP65	IP65	IP65
Operating Temperature	-20 °C ~ 45 °C	-20 °C ~ 45 °C	-20 °C ~ 45 °C
Storage Temperature	-25 °C ~ 50 °C	-25 °C ~ 50 °C	-25 °C ~ 50 °C
Emergency Function (M)	Optional	Optional	Optional
Emergency Power	7W	7W	7W
Emergency Mode	3 Hours	3 Hours	3 Hours
Useful Life	> 50.000 Hours (L70)	> 50.000 Hours (L70)	> 50.000 Hours (L70)
Materials	PVC + PMMA	PVC + PMMA	PVC + PMMA
Installation	Sunspending / Ceiling	Sunspending / Ceiling	Sunspending / Ceiling

# MARS LED PREMIUM

1X

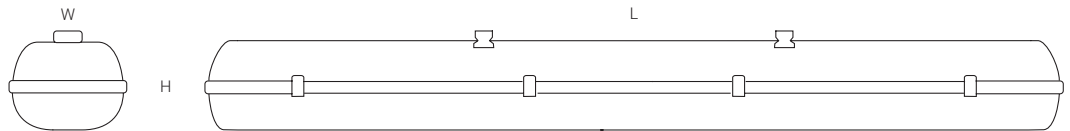
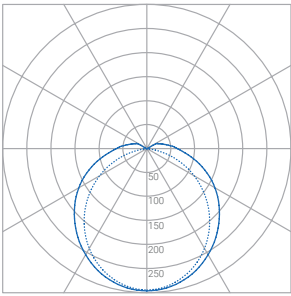


Product Dimensions	Length (mm)	Width (mm)	Height (mm)	Weight (Kg)
PG-MARS60P-13W	662	95	111	1,6
PG-MARS120P-26W	1272	95	111	2,5
PG-MARS150P-32W	1572	95	111	3,2

	PG-MARS60P-13W	PG-MARS120P-26W	PG-MARS150P-32W
Input	230 VAC / 50-60 Hz	230 VAC / 50-60 Hz	230 VAC / 50-60 Hz
Input LED Current	300 mA	300 mA	300 mA
Nominal Power	13W	26W	26W
Total Power	12,0W ~ 14,0W	25,0W ~ 27,0W	25,0W ~ 27,0W
Equivalent Power	1x18W	1x36W	1x58W
Power Factor	> 0.90	> 0.90	> 0.90
LED Type	SMD SAMSUNG 3030	SMD SAMSUNG 3030	SMD SAMSUNG 3030
Insulation Class	Class I	Class I	Class I
Output Luminous Flux	1.900 lm ~ 2.000 lm	3.900 lm ~ 4.000 lm	4.900 lm ~ 5.000 lm
Output Luminous Efficacy	150 lm/W	> 150 lm/W	> 150 lm/W
CCT	3000K - 4000K	3000K - 4000K	3000K - 4000K
CRI (Ra)	> 80	> 80	> 80
Beam Angle	120°	120°	120°
UGR	< 25	< 25	< 25
IP Protection	IP66	IP66	IP66
IK Protection	IK10	IK10	IK10
Operating Temperature	-25 °C ~ 45 °C	-25 °C ~ 45 °C	-25 °C ~ 45 °C
Storage Temperature	-25 °C ~ 50 °C	-25 °C ~ 50 °C	-25 °C ~ 50 °C
Useful Life	> 60.000 Hours (L90B10)	> 60.000 Hours (L90B10)	> 60.000 Hours (L90B10)
Materials	PC + AL	PC + AL	PC + AL
Accessories	Stainless Clip / Protective Grid	Stainless Clip / Protective Grid	Stainless Clip / Protective Grid
Installation	Sunspending / Ceiling	Sunspending / Ceiling	Sunspending / Ceiling

# MARS LED PREMIUM

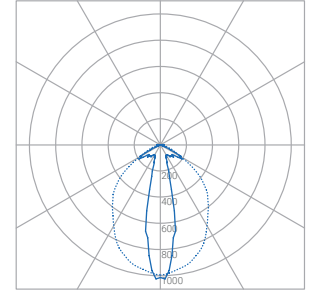
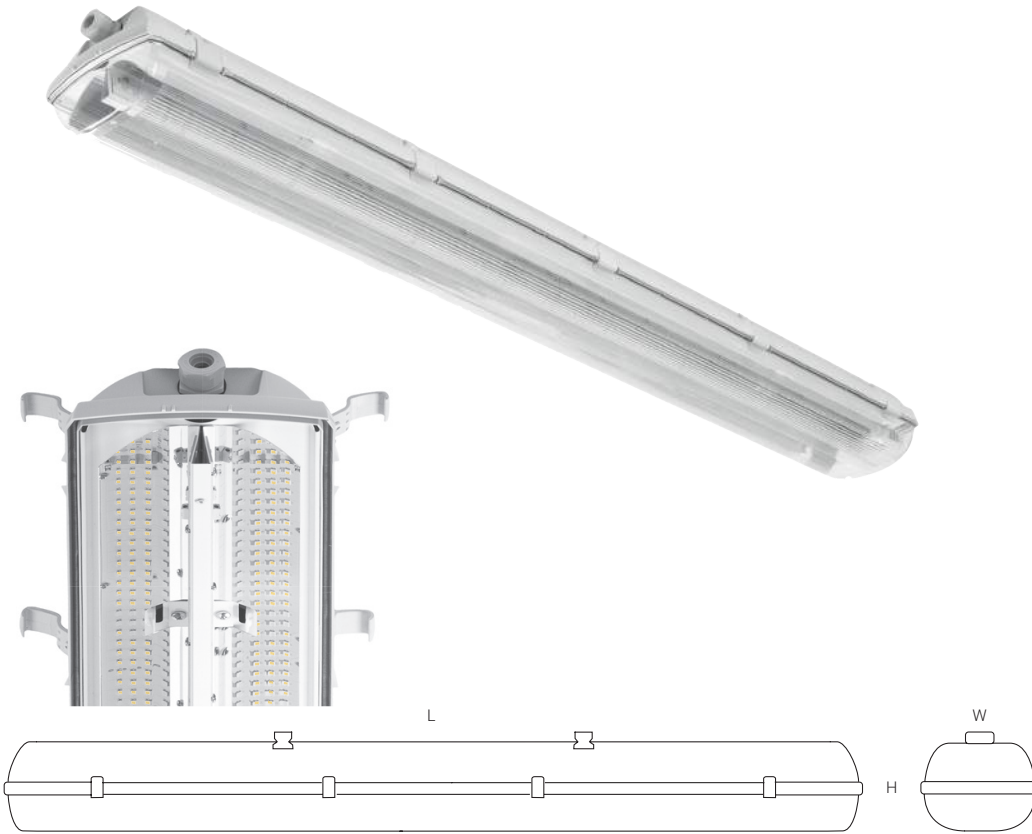
2X



Product Dimensions	Length (mm)	Width (mm)	Height (mm)	Weight (Kg)
PG-MARS60P-26W	662	145	111	1,6
PG-MARS120P-49W	1272	145	111	2,6
PG-MARS150P-60W	1572	145	111	3,3

	PG-MARS60P-26W	PG-MARS120P-49W	PG-MARS150P-60W
Input	230 VAC / 50-60 Hz	230 VAC / 50-60 Hz	230 VAC / 50-60 Hz
Input LED Current	300 mA	300 mA	300 mA
Nominal Power	26W	49W	60W
Total Power	25,0W ~ 27,0W	47,0W ~ 51,0W	58,0W ~ 62,0W
Equivalent Power	2x18W	2x36W	2x58W
Power Factor	> 0.90	> 0.90	> 0.90
LED Type	SMD SAMSUNG 3030	SMD SAMSUNG 3030	SMD SAMSUNG 3030
Insulation Class	Class I	Class I	Class I
Output Luminous Flux	3.900 lm ~ 4.000 lm	7.800 lm ~ 8.000 lm	9.800 lm ~ 10.100 lm
Output Luminous Efficacy	> 150 lm/W	> 160 lm/W	> 160 lm/W
CCT	3000K - 4000K	3000K - 4000K	3000K - 4000K
CRI (Ra)	> 80	> 80	> 80
Beam Angle	120°	120°	120°
UGR	< 25	< 25	< 25
IP Protection	IP66	IP66	IP66
IK Protection	IK10	IK10	IK10
Operating Temperature	-25 °C ~ 45 °C	-25 °C ~ 45 °C	-25 °C ~ 45 °C
Storage Temperature	-25 °C ~ 50 °C	-25 °C ~ 50 °C	-25 °C ~ 50 °C
Useful Life	> 60.000 Hours (L90B10)	> 60.000 Hours (L90B10)	> 60.000 Hours (L90B10)
Materials	PC + AL	PC + AL	PC + AL
Accessories	Stainless Clip / Protective Grid	Stainless Clip / Protective Grid	Stainless Clip / Protective Grid
Installation	Suspending / Ceiling	Suspending / Ceiling	Suspending / Ceiling

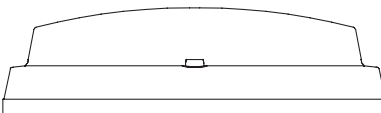
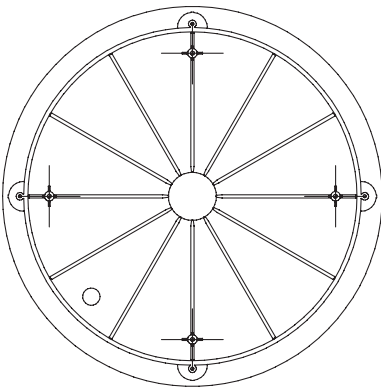
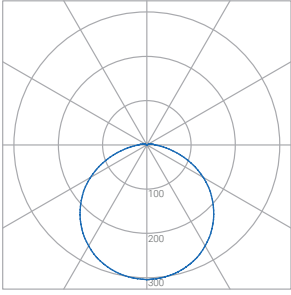
# MARS LED NARROW BEAM



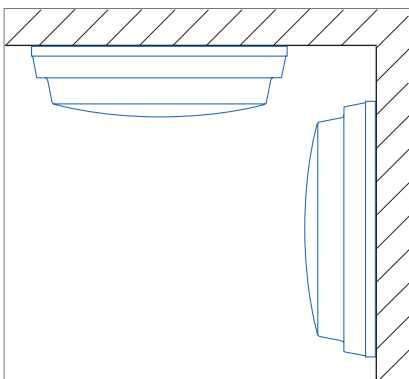
Product Dimensions	Length (mm)	Width (mm)	Height (mm)	Weight (Kg)
PG-MARS120NB-58W	1172	145	111	3,3
PG-MARS150NB-71W	1452	145	111	3,9

	PG-MARS120NB-58W	PG-MARS150NB-71W
Input	230 VAC / 50-60 Hz	230 VAC / 50-60 Hz
Input LED Current	350 mA	350 mA
Nominal Power	58W	71W
Total Power	56,0W ~ 60,0W	68,0W ~ 74,0W
Equivalent Power	2x58W	4x36W / 2x80W
Power Factor	> 0.90	> 0.90
LED Type	SMD SAMSUNG 2835	SMD SAMSUNG 2835
Insulation Class	Class I	Class I
Output Luminous Flux	7.400 lm ~ 7.500 lm	9.100 lm ~ 9.200 lm
Output Luminous Efficacy	> 125 lm/W	> 125 lm/W
CCT	3000K - 4000K	3000K - 4000K
CRI (Ra)	> 80	> 80
Beam Angle	60°x15°	60°x15°
UGR	< 25	< 25
IP Protection	IP66	IP66
IK Protection	IK10	IK10
Operating Temperature	-25 °C ~ 45 °C	-25 °C ~ 45 °C
Storage Temperature	-25 °C ~ 50 °C	-25 °C ~ 50 °C
Useful Life	> 60.000 Hours (L80B20)	> 60.000 Hours (L80B20)
Materials	PC + AL	PC + AL
Accessories	Protective Grid	Protective Grid
Installation	Sunspending / Ceiling	Sunspending / Ceiling

# ROUND LED IP66



D



Product Dimensions	Diameter (mm)	Height (mm)	Weight (Kg)
PG-RLIP66-17W	400	110	1,8
PG-RLIP66-25W	400	110	2,0

	PG-RLIP66-17W	PG-RLIP66-25W
Input	230 VAC / 50-60 Hz	230 VAC / 50-60 Hz
Input LED Current	350 mA	350 mA
Nominal Power	17W	25W
Total Power	16,0W ~ 18,0W	24,0W ~ 26,0W
Equivalent Power	2x18W	2x26W
Power Factor	> 0.90	> 0.90
LED Type	SMS Samsung 5630	SMS Samsung 5630
Insulation Class	Class I	Class I
Output Luminous Flux	2.100 lm ~ 2.200 lm	3.100 lm ~ 3.200 lm
Output Luminous Efficacy	> 125 lm/W	> 125 lm/W
CCT	3000K - 4000K	3000K - 4000K
CRI (Ra)	> 80	> 80
Beam Angle	120°	120°
UGR	< 25	< 25
IP Protection	IP66	IP66
IK Protection	IK10	IK10
Operating Temperature	-25 °C ~ 45 °C	-25 °C ~ 45 °C
Storage Temperature	-25 °C ~ 50 °C	-25 °C ~ 50 °C
Useful Life	> 60.000 Hours (L90B10)	> 60.000 Hours (L90B10)
Materials	PC + AL	PC + AL
Installation	Ceiling	Ceiling



# LED High Bay

## Description

For years Pandora Green has focused its efforts in studying the primary sectors of production: such as industry, logistics and big distribution. After a long and careful analysis of energy consumption produced with the old technologies, Pandora Green has introduced its new product: Smart High Bay Series, industrial projectors with highest lighting, electric and electronic performance. It guarantees consumption reduction and allows the operator to conduct remote control of every light spot at site.

## Certifications



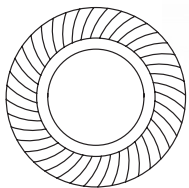




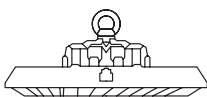


# UFO HIGH BAY

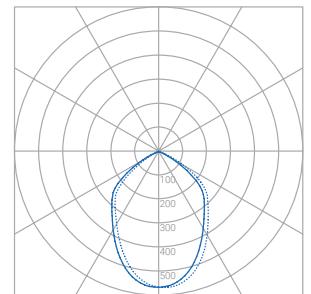
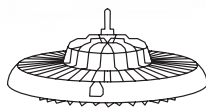
Reflector  
on Demand



D



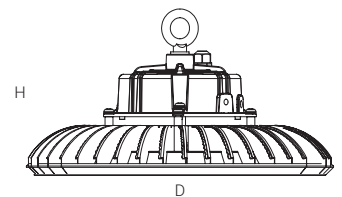
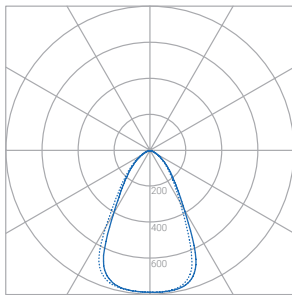
H



Product Dimensions	Diameter (mm)	Height (mm)	Weight (Kg)
PG-UFO90W	330	167	3,6
PG-UFO135W	330	167	3,7
PG-UFO180W	400	195	5,9
PG-UFO220W	400	195	5,9

	PG-UFO90W	PG-UFO135W	PG-UFO180W	PG-UFO220W
Input	120 ~ 277 VAC / 50-60 Hz	120 ~ 277 VAC / 50-60 Hz	120 ~ 277 VAC / 50-60 Hz	120 ~ 277 VAC / 50-60 Hz
Nominal Power	90W	135W	180W	220W
Total Power	88W ~ 92W	133W ~ 137W	177W ~ 183W	217W ~ 223W
Equivalent Power	250W	250W	400W	400W
Power Factor	≥ 0,90	≥ 0,90	≥ 0,90	≥ 0,90
Led Type / Q.ty	SMD 3030 / 180pcs	SMD 3030 / 270pcs	SMD 3030 / 360pcs	SMD 3030 / 432pcs
Led Driver	Sosen	Sosen	Sosen	Sosen
Driver Input	90 ~ 305 VAC / 0,6A	90 ~ 305 VAC / 0,85A	90 ~ 305 VAC / 1,4A	90 ~ 305 VAC / 1,4A
Output Driver Current	2,4A	3,6A	4,8A	5,76A
Insulation Class	Class I	Class I	Class I	Class I
Output Flux	12.600 lm	19.000 lm	25.200 lm	30.800 lm
Luminaire Efficacy	140 lm/W	140 lm/W	140 lm/W	140 lm/W
CCT	4000K - 5000K	4000K - 5000K	4000K - 5000K	4000K - 5000K
CRI (Ra)	≥ 80	≥ 80	≥ 80	≥ 80
Beam Angle	90° (Reflector) / 110°	90° (Reflector) / 110°	90° (Reflector) / 110°	90° (Reflector) / 110°
UGR	< 25	< 25	< 25	< 25
IP Protection	IP65	IP65	IP65	IP65
Surge Protection	6kV / 6kV	6kV / 6kV	6kV / 6kV	6kV / 6kV
Operating Temperature	-35 °C ~ 50 °C	-35 °C ~ 50 °C	-35 °C ~ 50 °C	-35 °C ~ 50 °C
Storage Temperature	-40 °C ~ 80 °C	-40 °C ~ 80 °C	-40 °C ~ 80 °C	-40 °C ~ 80 °C
Dimming Options	0-10V - PWM - Resistance - Timing	0-10V - PWM - Resistance - Timing	0-10V - PWM - Resistance - Timing	0-10V - PWM - Resistance - Timing
Useful Life	> 54.000 Hours (L90)	> 54.000 Hours (L90)	> 54.000 Hours (L90)	> 54.000 Hours (L90)
Materials	Aluminum	Aluminum	Aluminum	Aluminum
Installation	Suspending	Suspending	Suspending	Suspending

# HIGH BAY T SERIES



Model	Diameter (mm)	Height (mm)	Weight (mm)
PG-HBT80W/100W	289	168	3,0
PG-HBT130W/150W	289	185	3,0
PG-HBT180W/200W	341	141	3,5

	PG-HBT80W/100W	PG-HBT130W/150W	PG-HBT180W/200W
Input	90 ~ 305 VAC / 50-60 Hz	90 ~ 305 VAC / 50-60 Hz	90 ~ 305 VAC / 50-60 Hz
Nominal Power	80W / 100W	130W / 150W	180W / 200W
Total Power	78W ~ 82W / 98W ~ 102W	127W ~ 133W / 147W ~ 153W	176W ~ 184W / 196W ~ 204W
Equivalent Power	150W / 250W	250W / 400W	Up to 1000W
Power Factor	> 0.90	> 0.90	> 0.90
Led Type / Q.ty	SMD 2835	SMD 2835	SMD 2835
Led Driver	Sosen	Sosen	Sosen
Insulation Class	Class I	Class I	Class I
Nominal Flux	12.800 lm / 16.000 lm	20.800 lm / 24.000 lm	28.800 lm / 32.000 lm
Output Flux	12.000 lm / 15.000 lm	19.500 lm / 22.500 lm	28.800 lm / 30.000 lm
Luminaire Efficacy	≥150 lm/W	≥150 lm/W	≥150 lm/W
CCT	3000K - 4000K - 6000K	3000K - 4000K - 6000K	3000K - 4000K - 6000K
CRI (Ra)	> 80	> 80	> 80
Beam Angle	60° / 90°	60° / 90°	60° / 90°
UGR	> 19	> 19	> 19
IP Protection	IP65	IP65	IP65
Operating Temperature	-30 °C ~ 60 °C	-30 °C ~ 60 °C	-30 °C ~ 60 °C
Storage Temperature	-30 °C ~ 80 °C	-30 °C ~ 80 °C	-30 °C ~ 80 °C
Dimming Options	1-10V - PWM - Resistance	1-10V - PWM - Resistance	1-10V - PWM - Resistance
Glass	Transparent	Transparent	Transparent
Materials	AL + Tempered Glass	AL + Tempered Glass	AL + Tempered Glass
Installation	Suspending	Suspending	Suspending
Accessories	Bracket On Demand	Bracket On Demand	Bracket On Demand

# HIGH LUMEN SMART HIGH BAY



## 100W - 130W

	PG-HBL100W	PG-HBL130W
Input	90 ~ 305 VAC / 50-60 Hz	220 ~ 240 VAC / 50-60 Hz
Nominal Power	100W	130W
Total Power	97W ~ 103W	126W ~ 134W
Equivalent Power	250W	250W
Power Factor	> 0.90	> 0.90
Led Type / Q.ty	SMD 3030 / 180 pcs	SMD 3030 / 240 pcs
Led Driver	Meanwell - HBG Series	Meanwell - HBG Series
Driver Input	90 ~ 305 VAC / 0,44 A	220 ~ 240 VAC / 0,57 A
Driver Output	40 ~ 48 VDC / 2,00 A	40 ~ 48 VDC / 2,65 A
Insulation Class	Class I	Class I
Nominal Flux	18.000 lm	24.000 lm
Output Flux	14.000 lm	18.400 lm
Luminaire Efficacy	> 130 lm/W	> 130 lm/W
CCT	3000K - 4000K - 6000K	3000K - 4000K - 6000K
CRI (Ra)	> 80	> 80
Beam Angle	25° / 45° / 60° / 90° / 120°	25° / 45° / 60° / 90° / 120°
UGR	< 22	< 22
IP Protection	IP54 / IP65	IP54 / IP65
Operating Temperature	-30 °C ~ 60 °C	-30 °C ~ 60 °C
Storage Temperature	-30 °C ~ 80 °C	-30 °C ~ 80 °C
Dimming Options	1-10V - PWM - Resistance	1-10V - PWM - Resistance
Useful Life	> 60.000 Hours (L80)	> 60.000 Hours (L80)
Materials IP54 Version	AL	AL
Materials IP65 Version	AL + Tempered Glass	AL + Tempered Glass
Installation	Suspending	Suspending

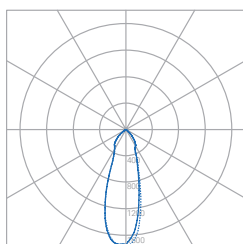
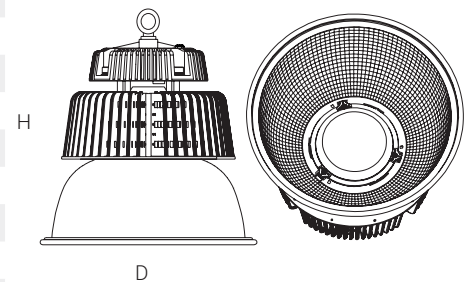
# HIGH LUMEN SMART HIGH BAY

150W - 200W - 240W

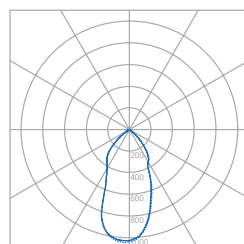
	PG-HBL150W	PG-HBL200W	PG-HBL240W
Input	90 ~ 305 VAC / 50-60 Hz	90 ~ 305 VAC / 50-60 Hz	90 ~ 305 VAC / 50-60 Hz
Nominal Power	150W	200W	240W
Total Power	95W ~ 105W	195W ~ 205W	235W ~ 245W
Equivalent Power	400W	400W	Up to 1000W
Power Factor	> 0.90	> 0.90	> 0.90
Led Type / Q.ty	SMD 3030 / 270 pcs	SMD 3030 / 360 pcs	SMD 3030 / 405 pcs
Led Driver	Meanwell - HBG Series	Meanwell - HBG Series	Meanwell - HBG Series
Driver Input	220 ~ 240 VAC / 0,67 A	220 ~ 240 VAC / 0,87 A	220 ~ 240 VAC / 1,00 A
Driver Output	40 ~ 48 VDC / 3,25 A	40 ~ 48 VDC / 4,15 A	40 ~ 48 VDC / 5,00 A
Insulation Class	Class I	Class I	Class I
Nominal Flux	27.000 lm	36.000 lm	40.500 lm
Output Flux	21.000 lm	27.400 lm	33.400 lm
Luminaire Efficacy	> 130 lm/W	> 130 lm/W	> 130 lm/W
CCT	3000K - 4000K - 6000K	3000K - 4000K - 6000K	3000K - 4000K - 6000K
CRI (Ra)	> 80	> 80	> 80
Beam Angle	25° / 45° / 60° / 90° / 120°	25° / 45° / 60° / 90° / 120°	25° / 45° / 60° / 90° / 120°
UGR	< 22	< 22	< 22
IP Protection	IP54 / IP65	IP54 / IP65	IP54 / IP65
Operating Temperature	-30 °C ~ 60 °C	-30 °C ~ 60 °C	-30 °C ~ 60 °C
Storage Temperature	-30 °C ~ 80 °C	-30 °C ~ 80 °C	-30 °C ~ 80 °C
Dimming Options	1-10V - PWM - Resistance	1-10V - PWM - Resistance	1-10V - PWM - Resistance
Useful Life	> 60.000 Hours (L80)	> 60.000 Hours (L80)	> 60.000 Hours (L80)
Materials IP54 Version	AL	AL	AL
Materials IP65 Version	AL + Tempered Glass	AL + Tempered Glass	AL + Tempered Glass
Installation	Suspending	Suspending	Suspending

## Dimensions and Beam Angles

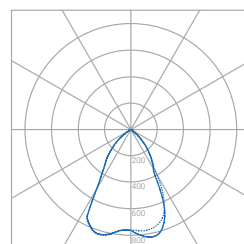
Model	Diameter (mm)	Height (mm)	Weight (Kg)
PG-HBL100W IP54	350	414	3,2
PG-HBL130W IP54	350	414	3,6
PG-HBL150W IP54	350	414	3,6
PG-HBL200W IP54	350	414	4,7
PG-HBL240W IP54	350	414	5,5
PG-HBL100W IP65	350	350	3,2
PG-HBL130W IP65	350	350	3,6
PG-HBL150W IP65	350	350	3,6
PG-HBL200W IP65	350	350	4,7
PG-HBL240W IP65	350	350	5,5



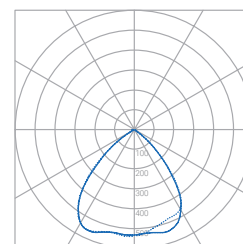
25°  
H > 12m



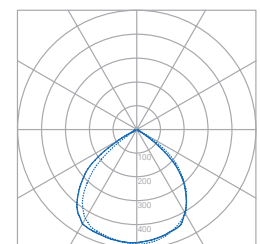
45°  
9m < H < 12m



60°  
6m < H < 9m



90°  
4m < H < 6m



120°  
4m < H < 6m



# LINEAR HIGH BAY HR



## 30W - 60W - 90W

	PG-LHB30W-HR	PG-LHB60W-HR	PG-LHB90W-HR
Input	200 ~ 240 VAC / 50-60 Hz	200 ~ 240 VAC / 50-60 Hz	200 ~ 240 VAC / 50-60 Hz
Nominal Power	30W	60W	90W
Total Power	29,1W ~ 30,9W	58,2W ~ 61,8W	87,3W ~ 92,7W
Equivalent Power	70W	150W	150W
Power Factor	> 0.90	> 0.90	> 0.90
Led Type	SMD Nichia	SMD Nichia	SMD Nichia
Led Driver	Meanwell - Serie HLG	Meanwell - Serie HLG	Meanwell - Serie HLG
Insulation Class	Class I	Class I	Class I
Output Flux	4.900 lm ~ 5.000 lm	9.850 lm ~ 9.950 lm	14.800 lm ~ 14.900 lm
Luminaire Efficacy	≥ 165 lm/W	≥ 165 lm/W	≥ 165 lm/W
CCT	3000K - 4000K - 6000K	3000K - 4000K - 6000K	3000K - 4000K - 6000K
CRI (Ra)	≥ 80	≥ 80	≥ 80
Beam Angle	90° / 120° / 30°x70° / 50°x90°	90° / 120° / 30°x70° / 50°x90°	90° / 120° / 30°x70° / 50°x90°
UGR	< 22	< 22	< 22
IP Protection	IP65	IP65	IP65
IK Protection	IK10	IK10	IK10
Operating Temperature	-30 °C ~ 50 °C	-30 °C ~ 50 °C	-30 °C ~ 50 °C
Storage Temperature	-40 °C ~ 70 °C	-40 °C ~ 70 °C	-40 °C ~ 70 °C
Dimming Options	1-10V-PWM-Resistance / Wireless	1-10V-PWM-Resistance / Wireless	1-10V-PWM-Resistance / Wireless
Useful Life	> 60.000 Hours (L90)	> 60.000 Hours (L90)	> 60.000 Hours (L90)
Materials	Aluminum	Aluminum	Aluminum

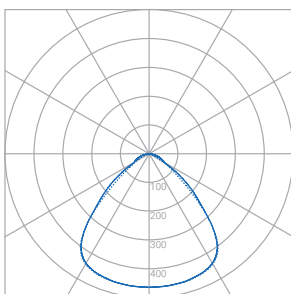
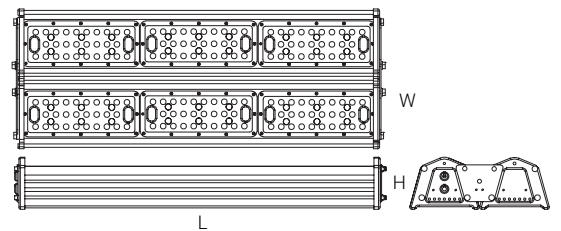
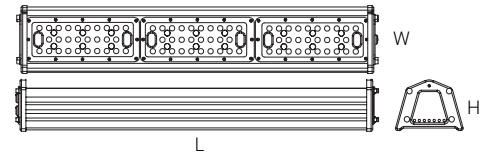
# LINEAR HIGH BAY HR

120W - 150W - 180W - 240W

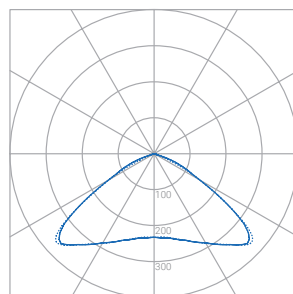
	PG-LHB120W-HR	PG-LHB150W-HR	PG-LHB180W-HR	PG-LHB240W-HR
Input	200 ~ 240 VAC / 50-60 Hz	200 ~ 240 VAC / 50-60 Hz	200 ~ 240 VAC / 50-60 Hz	200 ~ 240 VAC / 50-60 Hz
Nominal Power	120W	150W	180W	240W
Total Power	116,4W ~ 123,6W	145,5W ~ 154,5W	174,6W ~ 185,4W	232,8W ~ 247,2W
Equivalent Power	250W	300W	400W	Up to 1000W
Power Factor	> 0.90	> 0.90	> 0.90	> 0.90
Led Type	SMD Nichia	SMD Nichia	SMD Nichia	SMD Nichia
Led Driver	Meanwell - Serie HLG	Meanwell - Serie HLG	Meanwell - Serie HLG	Meanwell - Serie HLG
Insulation Class	Class I	Class I	Class I	Class I
Output Flux	19.700 lm ~ 19.900 lm	24.700 lm ~ 24.900 lm	29.600 lm ~ 29.800 lm	39.600 lm ~ 39.800 lm
Luminaire Efficacy	≥ 165 lm/W	≥ 165 lm/W	≥ 165 lm/W	≥ 165 lm/W
CCT	3000K - 4000K - 6000K	3000K - 4000K - 6000K	3000K - 4000K - 6000K	3000K - 4000K - 6000K
CRI (Ra)	≥ 80	≥ 80	≥ 80	≥ 80
Beam Angle	90° / 120° / 30°x70° / 50°x90°	90° / 120° / 30°x70° / 50°x90°	90° / 120° / 30°x70° / 50°x90°	90° / 120° / 30°x70° / 50°x90°
UGR	< 22	< 22	< 22	< 22
IP Protection	IP65	IP65	IP65	IP65
IK Protection	IK10	IK10	IK10	IK10
Operating Temperature	-30 °C ~ 50 °C	-30 °C ~ 50 °C	-30 °C ~ 50 °C	-30 °C ~ 50 °C
Storage Temperature	-40 °C ~ 70 °C	-40 °C ~ 70 °C	-40 °C ~ 70 °C	-40 °C ~ 70 °C
Dimming Options	1-10V-PWM-Resistance / Wireless	1-10V-PWM-Resistance / Wireless	1-10V-PWM-Resistance / Wireless	1-10V-PWM-Resistance / Wireless
Useful Life	> 60.000 Hours (L90)	> 60.000 Hours (L90)	> 60.000 Hours (L90)	> 60.000 Hours (L90)
Materials	Aluminum	Aluminum	Aluminum	Aluminum

## Dimensions and Beam Angles

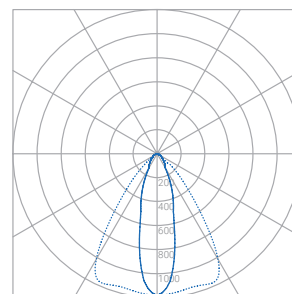
Product Dimensions	Length (mm)	Width (mm)	Height (mm)	Weight (Kg)
PG-LHB30W-HR	280	137	102	1,9
PG-LHB60W-HR	486	137	102	3,4
PG-LHB90W-HR	718	137	102	4,7
PG-LHB120W-HR	948	137	102	5,7
PG-LHB150W-HR	1178	137	102	6,9
PG-LHB180W-HR	718	275	102	8,5
PG-LHB240W-HR	948	275	102	10,3



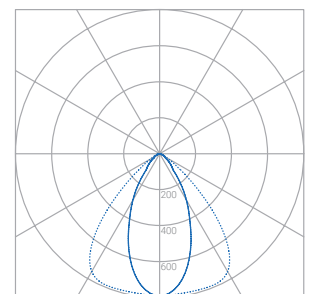
90°



120°



30°x70°



50°x90°



# LED Flood Light

## Description

The world of sports, in both indoor and outdoor competitions, requests an elevated illumination for every single sport event. The Flood Light of Pandora Green complies with all the specifications perfectly, providing moreover a considerable energy saving compared to the old technology HID ( Metal Halide). The Flood Light Series is also ideal for illuminating shop windows, outdoor parking areas, industrial installations.

## Certifications







# FLOOD LIGHT A SERIES



10W - 20W - 30W - 50W

	PG-FLA10W	PG-FLA20W	PG-FLA30W	PG-FLA50W
Input	100 ~ 240 VAC / 50-60 Hz	100 ~ 240 VAC / 50-60 Hz	100 ~ 240 VAC / 50-60 Hz	100 ~ 305 VAC / 50-60 Hz
Nominal Power	10W	20W	30W	50W
Total Power	9W ~ 11W	19W ~ 21W	28W ~ 32W	48W ~ 52W
Equivalent Power	20W	50W	70W	100W
Power Factor	> 0.90	> 0.90	> 0.90	> 0.90
Led Type / Q.ty	SMD 3030 / 14 pcs	SMD 3030 / 35 pcs	SMD 3030 / 56 pcs	SMD 3030 / 84 pcs
Led Driver	Integrated	Integrated	Integrated	Integrated
Driver Input	110 ~ 240 VAC / 0,047 A	110 ~ 240 VAC / 0,088 A	110 ~ 240 VAC / 0,14 A	100 ~ 305 VAC / 0,22 A
Driver Output	40 ~ 48 VDC / 0,200 A	40 ~ 48 VDC / 0,400 A	40 ~ 48 VDC / 0,60 A	40 ~ 48 VDC / 1,05 A
Insulation Class	Class I	Class I	Class I	Class I
Nominal Flux	1.500 lm	18.500 lm	24.500 lm	34.000 lm
Output Flux	1.200 lm	14.700 lm	20.900 lm	29.200 lm
Luminaire Efficacy	> 120 lm/W	> 120 lm/W	> 130 lm/W	> 130 lm/W
CCT	3000K - 4000K - 6000K	3000K - 4000K - 6000K	3000K - 4000K - 6000K	3000K - 4000K - 6000K
CRI (Ra)	> 80	> 80	> 80	> 80
Beam Angle	120°	120°	120°	120°
UGR	< 25	< 25	< 25	< 25
IP Protection	IP65	IP65	IP65	IP65
Operating Temperature	-40 °C ~ 40 °C	-40 °C ~ 40 °C	-40 °C ~ 40 °C	-40 °C ~ 40 °C
Storage Temperature	-30 °C ~ 80 °C	-30 °C ~ 80 °C	-30 °C ~ 80 °C	-30 °C ~ 80 °C
Dimming Options	1-10V - PWM - Resistance	1-10V - PWM - Resistance / DALI	1-10V - PWM - Resistance / DALI	1-10V - PWM - Resistance / DALI
Useful Life	> 60.000 Hours (L80)	> 60.000 Hours (L80)	> 60.000 Hours (L80)	> 60.000 Hours (L80)
Glass	Transparent	Transparent	Transparent	Transparent
Materials	AL + Tempered Glass	AL + Tempered Glass	AL + Tempered Glass	AL + Tempered Glass

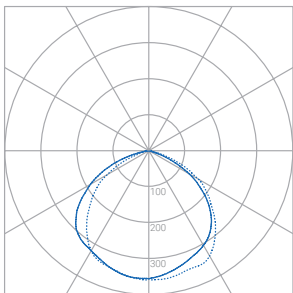


# FLOOD LIGHT A SERIES

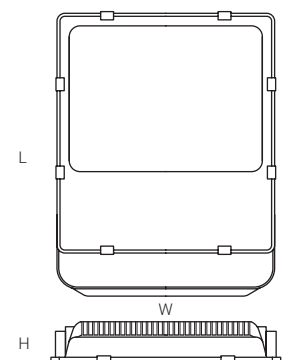
70W - 100W - 150W - 200W

	PG-FLA70W	PG-FLA100W	PG-FLA150W	PG-FLA200W
Input	100 ~ 305 VAC / 50-60 Hz	100 ~ 305 VAC / 50-60 Hz	100 ~ 305 VAC / 50-60 Hz	100 ~ 305 VAC / 50-60 Hz
Nominal Power	70W	100W	150W	200W
Total Power	67W ~ 73W	97W ~ 103W	95W ~ 105W	195W ~ 205W
Equivalent Power	150W	250W	400W	400W
Power Factor	> 0.90	> 0.90	> 0.90	> 0.90
Led Type / Q.ty	SMD 3030 / 126 pcs	SMD 3030 / 182 pcs	SMD 3030 / 273 pcs	SMD 3030 / 364 pcs
Led Driver	Integrated	Meanwell - ELG Series	Meanwell - ELG Series	Meanwell - HLG Series
Driver Input	110 ~ 305 VAC / 0,31 A	110 ~ 305 VAC / 0,43 A	100 ~ 305 VAC / 0,65 A	100 ~ 305 VAC / 0,87 A
Driver Output	40 ~ 48 VDC / 1,55 A	40 ~ 48 VDC / 2,05 A	40 ~ 48 VDC / 3,11 A	40 ~ 48 VDC / 4,20 A
Insulation Class	Class I	Class I	Class I	Class I
Nominal Flux	15.000 lm	15.000 lm	24.500 lm	34.000 lm
Output Flux	12.800 lm	12.800 lm	20.900 lm	29.200 lm
Luminaire Efficacy	> 120 lm/W	> 120 lm/W	> 130 lm/W	> 130 lm/W
CCT	3000K - 4000K - 6000K	3000K - 4000K - 6000K	3000K - 4000K - 6000K	3000K - 4000K - 6000K
CRI (Ra)	> 80	> 80	> 80	> 80
Beam Angle	120°	120°	120°	120°
UGR	< 25	< 25	< 25	< 25
IP Protection	IP65	IP65	IP65	IP65
Operating Temperature	-40 °C ~ 40 °C	-40 °C ~ 40 °C	-40 °C ~ 40 °C	-40 °C ~ 40 °C
Storage Temperature	-30 °C ~ 80 °C	-30 °C ~ 80 °C	-30 °C ~ 80 °C	-30 °C ~ 80 °C
Dimming Options	1-10V - PWM - Resistance / DALI	1-10V - PWM - Resistance / DALI	1-10V - PWM - Resistance / DALI	1-10V - PWM - Resistance / DALI
Useful Life	> 60.000 Hours (L80)	> 60.000 Hours (L80)	> 60.000 Hours (L80)	> 60.000 Hours (L80)
Glass	Transparent	Transparent	Transparent	Transparent
Materials	AL + Tempered Glass	AL + Tempered Glass	AL + Tempered Glass	AL + Tempered Glass

## Dimensions and Beam Angle



Model	Length (mm)	Width (mm)	Height (mm)	Weight (Kg)
PG-FLA10W	173	131	30	1,4
PG-FLA20W	182	138	30	1,5
PG-FLA30W	252	180	45	2,0
PG-FLA50W	350	256	62	2,6
PG-FLA70W	350	256	62	2,6
PG-FLA100W	350	256	62	2,7
PG-FLA150W	440	337	62	4,2
PG-FLA200W	495	375	62	4,8



# FLOOD LIGHT HS SERIES



60W - 80W - 100W - 120W

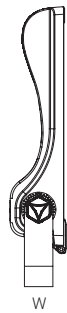
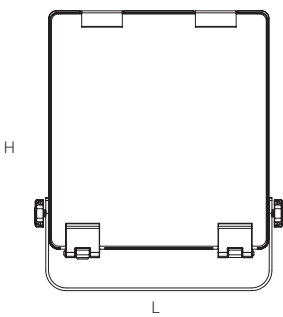
	PG-FLHS60W	PG-FLHS80W	PG-FLHS100W	PG-FLHS120W
Input	100 ~ 240 VAC / 50-60 Hz	100 ~ 240 VAC / 50-60 Hz	100 ~ 240 VAC / 50-60 Hz	100 ~ 305 VAC / 50-60 Hz
Nominal Power	60W	80W	100W	120W
Total Power	58W ~ 62W	78W ~ 82W	97W ~ 103W	117W ~ 123W
Equivalent Power	150W	150W	250W	250W
Power Factor	> 0.90	> 0.90	> 0.90	> 0.90
Led Type	SMD 3030	SMD 3030	SMD 3030	SMD 3030
Led Driver	Meanwell	Meanwell	Meanwell	Meanwell
Insulation Class	Class I	Class I	Class I	Class I
Output Flux	8.100 lm	10.800 lm	13.500 lm	16.200 lm
Luminaire Efficacy	> 130 lm/W	> 130 lm/W	> 130 lm/W	> 130 lm/W
CCT	4000K - 5000K	4000K - 5000K	4000K - 5000K	4000K - 5000K
CRI (Ra)	70 / 80	70 / 80	70 / 80	70 / 80
Symmetric Optics	FL0801 / FL1601 / FL1602	FL0801 / FL1601 / FL1602	FL0801 / FL1601 / FL1602	FL0801 / FL1601 / FL1602
Asymmetric Optics	FL1603 / FL1604 / FL1605	FL1603 / FL1604 / FL1605	FL1603 / FL1604 / FL1605	FL1603 / FL1604 / FL1605
UGR	< 25	< 25	< 25	< 25
IP Protection	IP66	IP66	IP66	IP66
Surge Protection	6kV / 10kV	6kV / 10kV	6kV / 10kV	6kV / 10kV
Operating Temperature	-30 °C ~ 45 °C	-30 °C ~ 45 °C	-30 °C ~ 45 °C	-30 °C ~ 45 °C
Storage Temperature	-40 °C ~ 70 °C	-40 °C ~ 70 °C	-40 °C ~ 70 °C	-40 °C ~ 70 °C
Dimming Options	Dali	Dali	Dali	Dali
Useful Life	> 60.000 Hours (L90)	> 60.000 Hours (L90)	> 60.000 Hours (L90)	> 60.000 Hours (L90)
Glass	Transparent	Transparent	Transparent	Transparent
Accessories	Pole Adaptor	Pole Adaptor	Pole Adaptor	Pole Adaptor
Materials	AL + Tempered Glass	AL + Tempered Glass	AL + Tempered Glass	AL + Tempered Glass

# FLOOD LIGHT HS SERIES

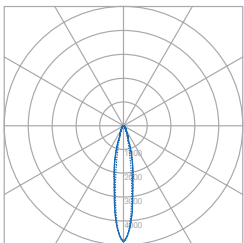
150W - 180W - 200W - 240W

	PG-FLHS150W	PG-FLHS180W	PG-FLHS200W	PG-FLHS240W
Input	100 ~ 240 VAC / 50-60 Hz	100 ~ 240 VAC / 50-60 Hz	100 ~ 240 VAC / 50-60 Hz	100 ~ 305 VAC / 50-60 Hz
Nominal Power	150W	180W	200W	240W
Total Power	146W ~ 154W	176W ~ 184W	196W ~ 205W	235W ~ 245W
Equivalent Power	400W	400W	250W	Up to 1000W
Power Factor	> 0.90	> 0.90	> 0.90	> 0.90
Led Type	SMD 3030	SMD 3030	SMD 3030	SMD 3030
Led Driver	Meanwell	Meanwell	Meanwell	Meanwell
Insulation Class	Class I	Class I	Class I	Class I
Output Flux	20.300 lm	24.300 lm	27.000 lm	32.400 lm
Luminaire Efficacy	> 130 lm/W	> 130 lm/W	> 130 lm/W	> 130 lm/W
CCT	4000K - 5000K	4000K - 5000K	4000K - 5000K	4000K - 5000K
CRI (Ra)	70 / 80	70 / 80	70 / 80	70 / 80
Symmetric Optics	FL0801 / FL1601 / FL1602	FL0801 / FL1601 / FL1602	FL0801 / FL1601 / FL1602	FL0801 / FL1601 / FL1602
Asymmetric Optics	FL1603 / FL1604	FL1603 / FL1604	FL1603 / FL1604	FL1603 / FL1604 / FL1605
UGR	< 25	< 25	< 25	< 25
IP Protection	IP66	IP66	IP66	IP66
Surge Protection	6kV / 10kV	6kV / 10kV	6kV / 10kV	6kV / 10kV
Operating Temperature	-30 °C ~ 45 °C	-30 °C ~ 45 °C	-30 °C ~ 45 °C	-30 °C ~ 45 °C
Storage Temperature	-40 °C ~ 70 °C	-40 °C ~ 70 °C	-40 °C ~ 70 °C	-40 °C ~ 70 °C
Dimming Options	Dali	Dali	Dali	Dali
Useful Life	> 60.000 Hours (L90)	> 60.000 Hours (L90)	> 60.000 Hours (L90)	> 60.000 Hours (L90)
Glass	Transparent	Transparent	Transparent	Transparent
Accessories	Pole Adaptor	Pole Adaptor	Pole Adaptor	Pole Adaptor
Materials	AL + Tempered Glass	AL + Tempered Glass	AL + Tempered Glass	AL + Tempered Glass

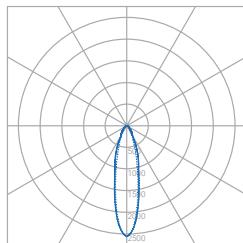
## Dimensions and Beam Angle



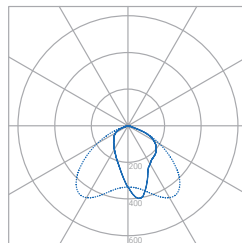
Model	Lenght (mm)	Width (mm)	Heigh (mm)	Weight (Kg)
PG-FLHS60W	359	308	82	4,5
PG-FLHS80W	359	308	82	4,6
PG-FLHS100W	413	366	83	6,3
PG-FLHS120W	413	366	83	6,5
PG-FLHS150W	413	366	83	6,8
PG-FLHS180W	462	452	87	8,4
PG-FLHS200W	462	452	87	8,6
PG-FLHS240W	462	452	87	8,9



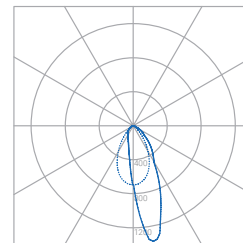
FL1603



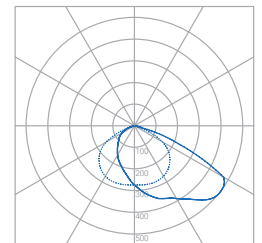
FL1604



FL0801



FL1601



FL1602



# LED High Mast

## Description

Thanks to the innovative design and the modules designed with symmetric and asymmetric optics, the new family of projectors, High Mast 120 Series & Modular High Mast , allows to illuminate sports environments, industrial areas and public spaces. The various modules allow an optimal heat dissipation, ensuring a better functioning of the LEDs without any stress at high temperatures.

## Certifications

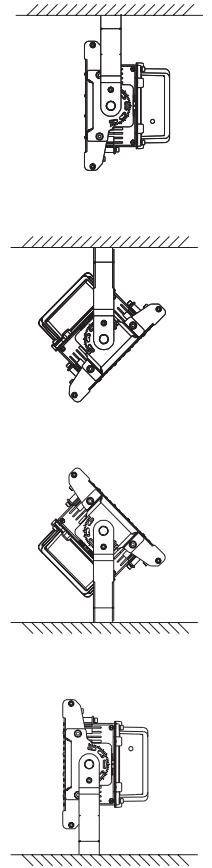








# HIGH MAST 120 SERIES



240W - 360W

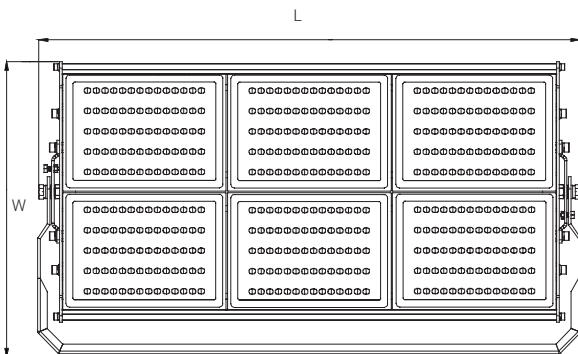
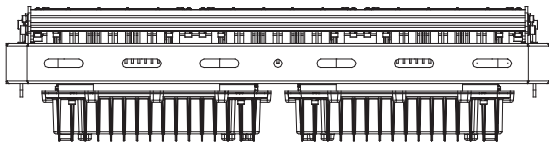
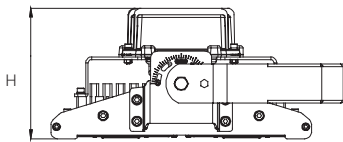
	PG-HM120X2-240W	PG-HM120X3-360W
Input	100 ~ 277 VAC / 50-60 Hz	100 ~ 277 VAC / 50-60 Hz
Nominal Power	240W	360W
Total Power	236W ~ 244W	355W ~ 365W
Equivalent Power	750W	1.000W
Power Factor	> 0.90	> 0.90
Led Type	SMD Lumileds 3030	SMD Lumileds 3030
Led Driver	Meanwell	Meanwell
Insulation Class	Class I	Class I
Nominal Flux	32.500 lm	48.500 lm
Output Flux	31.200 lm	46.800 lm
Luminaire Efficacy	130 lm/W	130 lm/W
CCT	3000K - 4000K - 5700K	3000K - 4000K - 5700K
CRI (Ra)	> 80	> 80
Beam Angle	30° / 60°x100°	30° / 60°x100°
IP Protection	IP65	IP65
Operating Temperature	-40 °C ~ 50 °C	-40 °C ~ 50 °C
Storage Temperature	-40 °C ~ 80 °C	-40 °C ~ 80 °C
Dimming Options	1-10V - PWM - Resistance	1-10V - PWM - Resistance
Useful Life	> 60.000 Hours (L70)	> 60.000 Hours (L70)
Diffuser	Transparent	Transparent
Materials	Aluminum	Aluminum

# HIGH MAST 120 SERIES

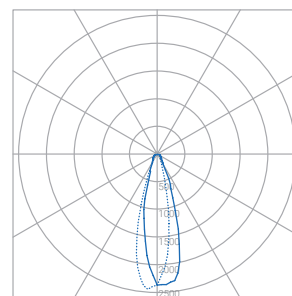
480W - 720W - 960W

	PG-HM120X4-480W	PG-HM120X6-720W	PG-HM120X8-960W
Input	100 ~ 277 VAC / 50-60 Hz	100 ~ 277 VAC / 50-60 Hz	100 ~ 277 VAC / 50-60 Hz
Nominal Power	480W	720W	960W
Total Power	475W ~ 485W	714W ~ 726W	952W ~ 968W
Equivalent Power	1.000W	2.000W	2.000W
Power Factor	> 0.90	> 0.90	> 0.90
Led Type	SMD Lumileds 3030	SMD Lumileds 3030	SMD Lumileds 3030
Led Driver	Meanwell	Meanwell	Meanwell
Insulation Class	Class I	Class I	Class I
Nominal Flux	64.000 lm	94.000 lm	126.000 lm
Output Flux	62.400 lm	93.600 lm	124.800 lm
Luminaire Efficacy	130 lm/W	130 lm/W	130 lm/W
CCT	3000K - 4000K - 5700K	3000K - 4000K - 5700K	3000K - 4000K - 5700K
CRI (Ra)	> 80	> 80	> 80
Beam Angle	30° / 60°x100°	30° / 60°x100°	30° / 60°x100°
IP Protection	IP65	IP65	IP65
Operating Temperature	-40 °C ~ 50 °C	-40 °C ~ 50 °C	-40 °C ~ 50 °C
Storage Temperature	-40 °C ~ 80 °C	-40 °C ~ 80 °C	-40 °C ~ 80 °C
Dimming Options	1-10V - PWM - Resistance	1-10V - PWM - Resistance	1-10V - PWM - Resistance
Useful Life	> 60.000 Hours (L70)	> 60.000 Hours (L70)	> 60.000 Hours (L70)
Diffuser	Transparent	Transparent	Transparent
Materials	Aluminum	Aluminum	Aluminum

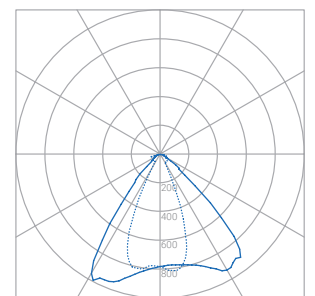
## Dimensions and Beam Angle



Model	Lenght (mm)	Height (mm)	Width (mm)	Weight (Kg)
PG-HM120X2-240W	435	341	190	11,3
PG-HM120X3-360W	618	341	200	15,0
PG-HM120X4-480W	579	442	200	19,2
PG-HM120X6-720W	833	442	200	30,0
PG-HM120X8-960W	1079	442	200	36,0

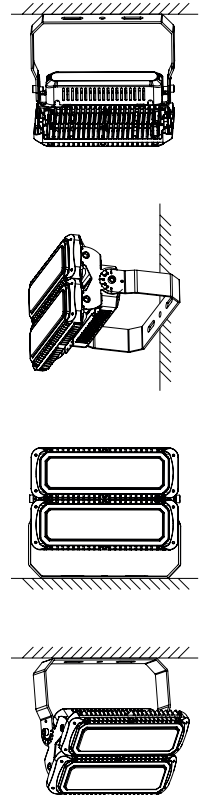


30°



60°x100°

# MODULAR HIGH MAST



## 300W - 450W

	PG-MHM300W	PG-MHM450W
Input	100 ~ 240 VAC / 50-60 Hz	100 ~ 240 VAC / 50-60 Hz
Nominal Power	300W	450W
Total Power	295W ~ 305W	445W ~ 455W
Equivalent Power	750W	1.000W
Power Factor	> 0.90	> 0.90
Led Type	SMD Lumileds 3030 / 5050	SMD Lumileds 3030 / 5050
Led Driver	Meanwell	Meanwell
Insulation Class	Class I	Class I
Output Flux	41.700 lm ~ 41.800 lm	60.100 lm ~ 60.200 lm
Luminaire Efficacy	≥ 140 lm/W	≥ 140 lm/W
CCT	3000K - 4000K - 5700K	3000K - 4000K - 5700K
CRI (Ra)	> 80	> 80
Beam Angle	25° / 60° / 90° / 110° / 130°x60°	25° / 60° / 90° / 110° / 130°x60°
IP Protection	IP65	IP65
Operating Temperature	-40 °C ~ 50 °C	-40 °C ~ 50 °C
Storage Temperature	-40 °C ~ 50 °C	-40 °C ~ 50 °C
Dimming Options	1-10V - PWM / DALI	1-10V - PWM / DALI
Useful Life	> 60.000 Hours (L70)	> 60.000 Hours (L70)
Materials	Aluminum + Glass / PC	Aluminum + Glass / PC

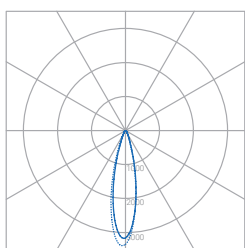
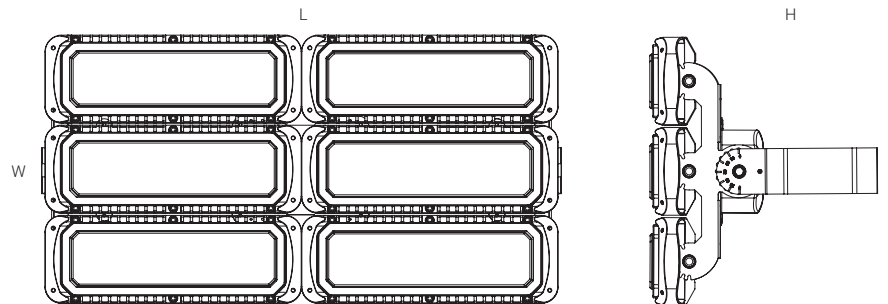
# MODULAR HIGH MAST

600W - 900W - 1200W

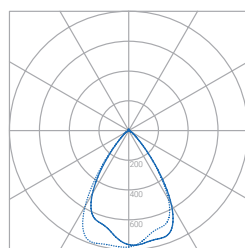
	PG-MHM600W	PG-MHM900W	PG-MHM1200W
Input	100 ~ 240 VAC / 50-60 Hz	100 ~ 240 VAC / 50-60 Hz	100 ~ 240 VAC / 50-60 Hz
Nominal Power	600W	900W	1.200W
Total Power	695W ~ 705W	890W ~ 910W	1.190W ~ 1.210W
Equivalent Power	1.200W	2.000W	2.000W
Power Factor	> 0.90	> 0.90	> 0.90
Led Type	SMD Lumileds 3030 / 5050	SMD Lumileds 3030 / 5050	SMD Lumileds 3030 / 5050
Led Driver	Meanwell	Meanwell	Meanwell
Insulation Class	Class I	Class I	Class I
Output Flux	80.500 lm ~ 80.700 lm	121.000 lm ~ 121.200 lm	164.800 lm ~ 165.000 lm
Luminaire Efficacy	≥ 140 lm/W	≥ 140 lm/W	≥ 140 lm/W
CCT	3000K - 4000K - 5700K	3000K - 4000K - 5700K	3000K - 4000K - 5700K
CRI (Ra)	> 80	> 80	> 80
Beam Angle	25° / 60° / 90° / 110° / 130°x60°	25° / 60° / 90° / 110° / 130°x60°	25° / 60° / 90° / 110° / 130°x60°
IP Protection	IP65	IP65	IP65
Operating Temperature	-40 °C ~ 50 °C	-40 °C ~ 50 °C	-40 °C ~ 50 °C
Storage Temperature	-40 °C ~ 50 °C	-40 °C ~ 50 °C	-40 °C ~ 50 °C
Dimming Options	1-10V - PWM / DALI	1-10V - PWM / DALI	1-10V - PWM / DALI
Useful Life	> 60.000 Hours (L70)	> 60.000 Hours (L70)	> 60.000 Hours (L70)
Materials	Aluminum + Glass / PC	Aluminum + Glass / PC	Aluminum + Glass / PC

## Dimensions and Beam Angle

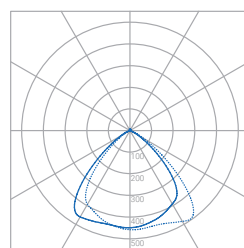
Model	Modules N.	Lenght (mm)	Height (mm)	Width (mm)	Weight (Kg)
PG-MHM300W	4	433	320	275	8,7
PG-MHM450W	6	324	628	275	13,4
PG-MHM600W	8	433	628	275	17,5
PG-MHM900W	12	690	628	390	29,4
PG-MHM1200W	18	910	628	390	38,3



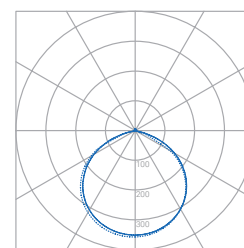
25°



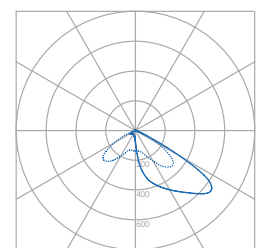
60°



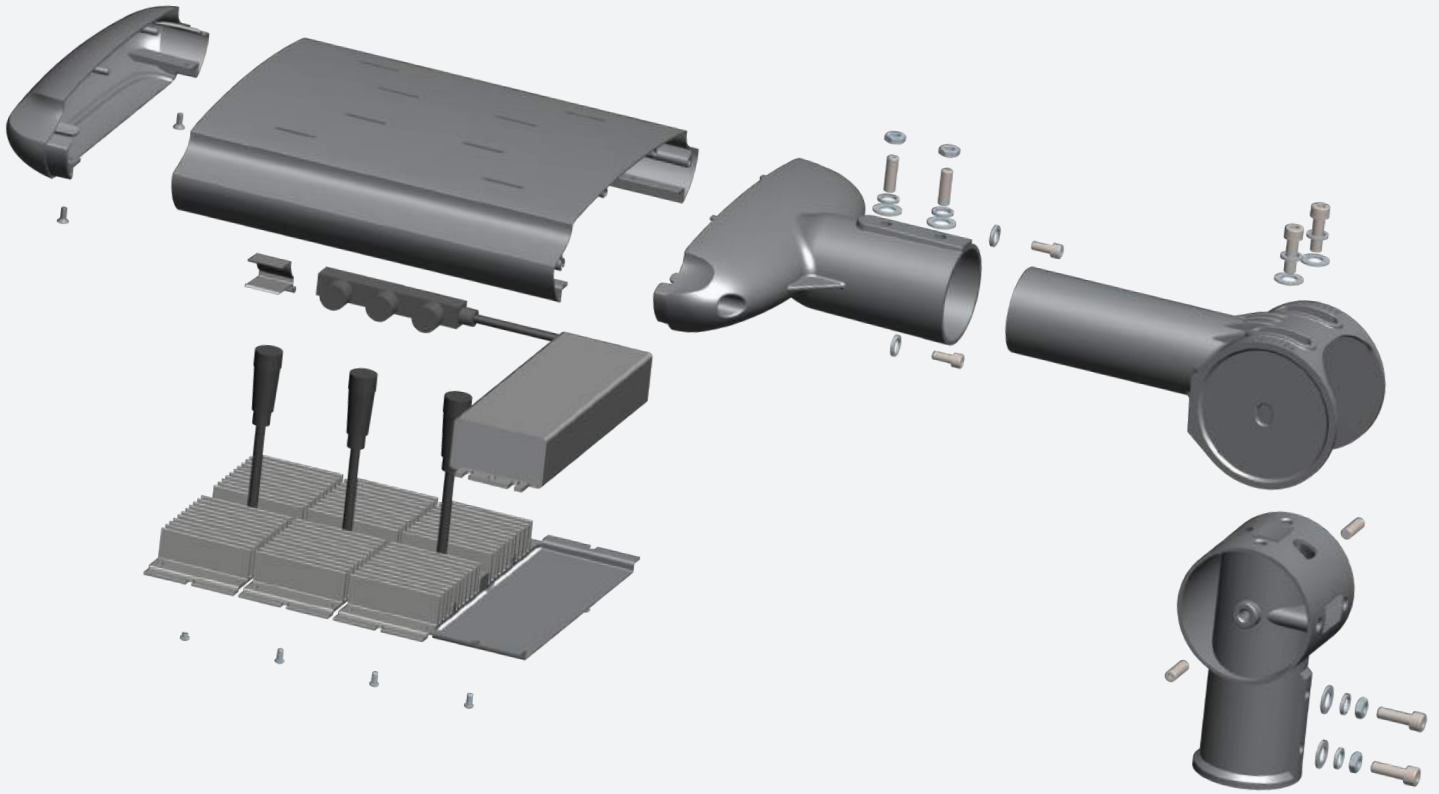
90°



120°



130°x60°



# LED Street Light

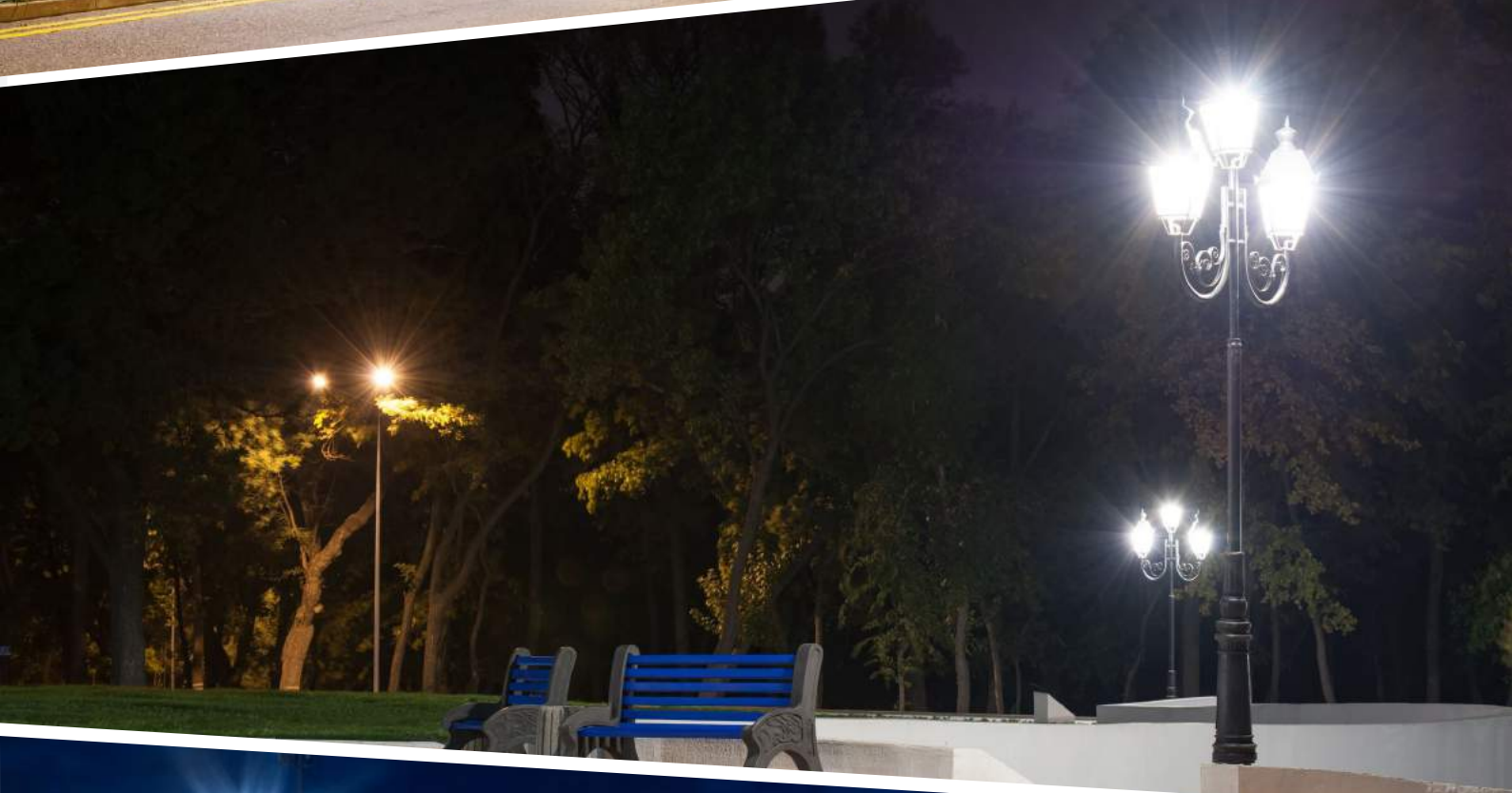
## Description

The Led Street Light Family is the latest generation of street lighting, designed with high efficiency LEDs and low glare, combined with the latest management and control systems. Their bodies, all in die-cast aluminum and with a design that minimizes wind restitution, can also be installed in critical climatic conditions. The different optics proposed for the entire range, best meet the needs imposed by urban lighting.

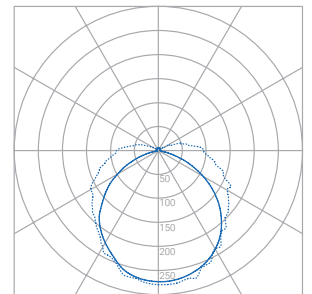
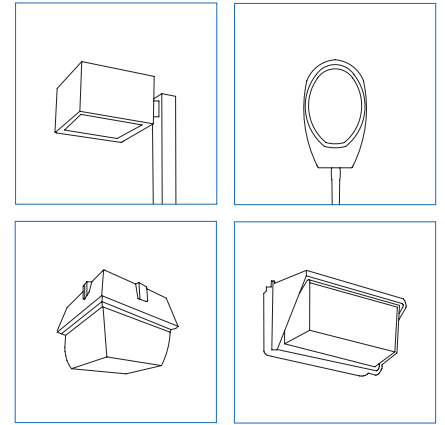
## Certifications



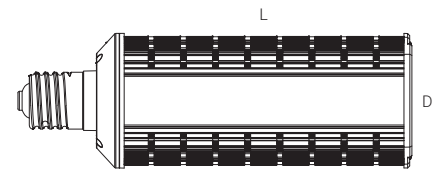




# 180° STREET LIGHT

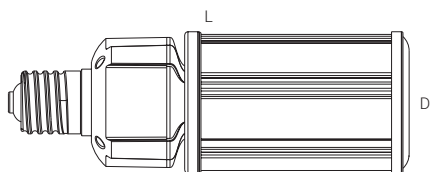
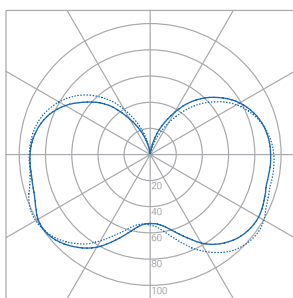
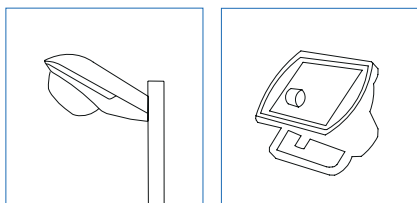
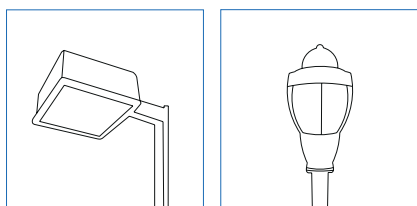


Model	Diameter (mm)	Height (mm)	Weight (Kg)
PG-SL-180S2-20W-E27	92	131	0,46
PG-SL-180S2-40W-E27	92	198	0,76
PG-SL-180S2-60W-E27	92	253	1,02
PG-SL-180S2-20W-E40	92	148	0,46
PG-SL-180S2-40W-E40	92	215	0,76
PG-SL-180S2-60W-E40	92	272	1,02



	PG-SL-180S2-20W	PG-SL-180S2-40W	PG-SL-180S2-60W
Input	100 ~ 277VAC / 50-60 Hz	100 ~ 277VAC / 50-60 Hz	100 ~ 277VAC / 50-60 Hz
Lamp Base	E27 / E40	E27 / E40	E27 / E40
Nominal Power	20W	40W	60W
Total Power	18W ~ 22W	38W ~ 42W	58W ~ 62W
Equivalent Power	100W	200W	250W
Power Factor	> 0.90	> 0.90	> 0.90
Led Type / Q.ty	SMD 2835 / 96pcs	SMD 2835 / 192pcs	SMD 2835 / 294pcs
Led Driver	Integrated	Integrated	Integrated
Insulation Class	Class II	Class II	Class II
Output Flux	2.800 lm ~ 3.000 lm	5.800 lm ~ 6.100 lm	8.600 lm ~ 9.000 lm
Luminaire Efficacy	≥ 140 lm/W	≥ 140 lm/W	≥ 140 lm/W
CCT	3000K - 4000K - 6000K	3000K - 4000K - 6000K	3000K - 4000K - 6000K
CRI (Ra)	> 80	> 80	> 80
Beam Angle	180°	180°	180°
IP Protection	IP64	IP64	IP64
Operating Temperature	-40 °C ~ 60 °C	-40 °C ~ 60 °C	-40 °C ~ 60 °C
Storage Temperature	-40 °C ~ 60 °C	-40 °C ~ 60 °C	-40 °C ~ 60 °C
Useful Life	> 60.000 Hours (L70)	> 60.000 Hours (L70)	> 60.000 Hours (L70)
Materials	Aluminum + PC	Aluminum + PC	Aluminum + PC

# 360° STREET LIGHT

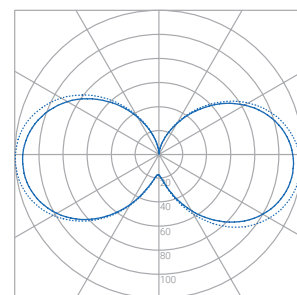
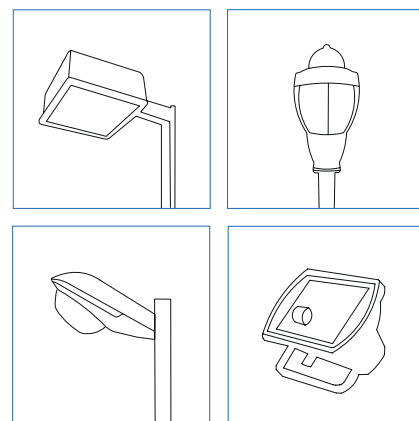


Model	Diameter (mm)	Height (mm)	Weight (Kg)
PG-SL-360S2-27W-E27	87	205	0,65
PG-SL-360S2-36W-E27	87	230	0,77
PG-SL-360S2-45W-E27	87	261	0,85
PG-SL-360S2-54W-E27	87	261	0,90
PG-SL-360S2-27W-E40	87	221	0,65
PG-SL-360S2-36W-E40	87	240	0,77
PG-SL-360S2-45W-E40	87	277	0,85
PG-SL-360S2-54W-E40	87	277	0,90

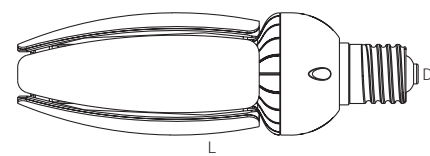
	PG-SL-360S2-27W	PG-SL-360S2-36W	PG-SL-360S2-45W	PG-SL-360S2-54W
Input	100 ~ 277VAC / 50-60 Hz	100 ~ 277VAC / 50-60 Hz	100 ~ 277VAC / 50-60 Hz	100 ~ 277VAC / 50-60 Hz
Lamp Base	E27 / E40	E27 / E40	E27 / E40	E27 / E40
Nominal Power	27W	36W	45W	54W
Total Power	26W ~ 28W	34W ~ 38W	43W ~ 47W	52W ~ 56W
Equivalent Power	125W	150W	175W	200W
Power Factor	> 0.90	> 0.90	> 0.90	> 0.90
Led Type / Q.ty	SMD LG 5630 / 84pcs	SMD LG 5630 / 112pcs	SMD LG 5630 / 140pcs	SMD LG 5630 / 168pcs
Led Driver	Integrated	Integrated	Integrated	Integrated
Insulation Class	Class II	Class II	Class II	Class II
Output Flux	3.500 lm ~ 3.700 lm	4.700 lm ~ 4.900 lm	6.000 lm ~ 6.300 lm	7.200 lm ~ 7.500 lm
Luminaire Efficacy	≥ 130 lm/W	≥ 130 lm/W	≥ 130 lm/W	≥ 130 lm/W
CCT	1900K ~ 6500K	1900K ~ 6500K	1900K ~ 6500K	1900K ~ 6500K
CRI (Ra)	> 80	> 80	> 80	> 80
Beam Angle	360°	360°	360°	360°
IP Protection	IP64	IP64	IP64	IP64
Operating Temperature	-40 °C ~ 60 °C	-40 °C ~ 60 °C	-40 °C ~ 60 °C	-40 °C ~ 60 °C
Storage Temperature	-40 °C ~ 60 °C	-40 °C ~ 60 °C	-40 °C ~ 60 °C	-40 °C ~ 60 °C
Useful Life	> 60.000 Hours (L70)	> 60.000 Hours (L70)	> 60.000 Hours (L70)	> 60.000 Hours (L70)
Materials	Aluminum + PC	Aluminum + PC	Aluminum + PC	Aluminum + PC



# 360° STREET LIGHT

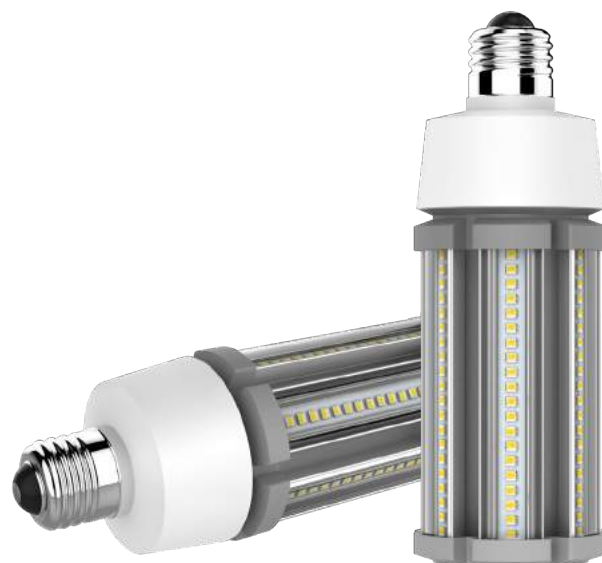
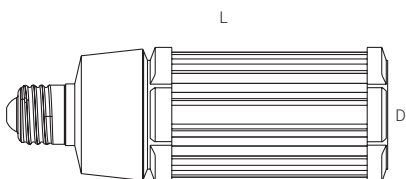
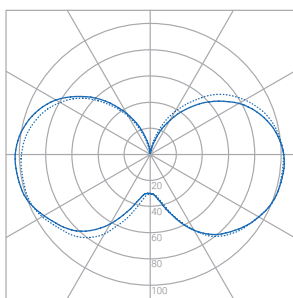
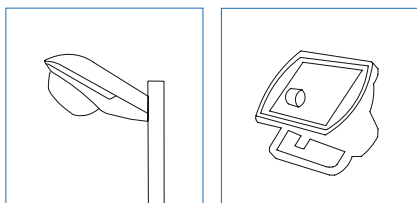
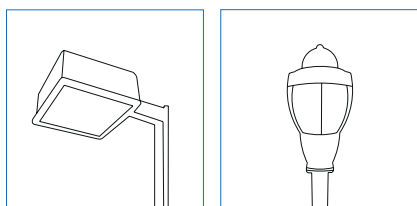


Model	Diameter (mm)	Height (mm)	Weight (Kg)
PG-SL-360S3-30W-E27	83	240	0,74
PG-SL-360S3-40W-E27	83	240	0,74
PG-SL-360S3-50W-E27	83	240	0,75
PG-SL-360S3-30W-E40	83	257	0,86
PG-SL-360S3-40W-E40	83	257	0,86
PG-SL-360S3-50W-E40	83	257	0,86



	PG-SL-360S3-30W	PG-SL-360S3-40W	PG-SL-360S3-50W
Input	100 ~ 277VAC / 50-60 Hz	100 ~ 277VAC / 50-60 Hz	100 ~ 277VAC / 50-60 Hz
Lamp Base	E27 / E40	E27 / E40	E27 / E40
Nominal Power	30W	40W	50W
Total Power	29W ~ 31W	38W ~ 42W	48W ~ 52W
Equivalent Power	125W	150W	175W
Power Factor	> 0.90	> 0.90	> 0.90
Led Type / Q.ty	SMD LG 5630 / 96pcs	SMD LG 5630 / 132pcs	SMD LG 5630 / 168pcs
Led Driver	Integrated	Integrated	Integrated
Insulation Class	Class II	Class II	Class II
Output Flux	3.900 lm ~ 4.100 lm	4.800 lm ~ 5.000 lm	6.000 lm ~ 6.200 lm
Luminaire Efficacy	≥130 lm/W	≥130 lm/W	≥130 lm/W
CCT	1900K ~ 6500K	1900K ~ 6500K	1900K ~ 6500K
CRI (Ra)	> 80	> 80	> 80
Beam Angle	360°	360°	360°
IP Protection	IP64	IP64	IP64
Operating Temperature	-40 °C ~ 60 °C	-40 °C ~ 60 °C	-40 °C ~ 60 °C
Storage Temperature	-40 °C ~ 60 °C	-40 °C ~ 60 °C	-40 °C ~ 60 °C
Useful Life	> 60.000 Hours (L70)	> 60.000 Hours (L70)	> 60.000 Hours (L70)
Materials	Aluminum + PC	Aluminum + PC	Aluminum + PC

# 360° STREET LIGHT



Model	Diameter (mm)	Height (mm)	Weight (Kg)
PG-SL-360S4-12W-E27	60	125	0,21
PG-SL-360S4-27W-E27	60	170	0,30
PG-SL-360S4-45W-E27	85	235	0,73
PG-SL-360S4-63W-E27	85	250	0,82
PG-SL-360S4-12W-E40	60	127	0,26
PG-SL-360S4-27W-E40	60	172	0,35
PG-SL-360S4-45W-E40	85	253	0,84
PG-SL-360S4-63W-E40	85	268	0,94

	PG-SL-360S4-12W	PG-SL-360S4-27W	PG-SL-360S4-45W	PG-SL-360S4-63W
Input	100 ~ 277VAC / 50-60 Hz	100 ~ 277VAC / 50-60 Hz	100 ~ 277VAC / 50-60 Hz	100 ~ 277VAC / 50-60 Hz
Lamp Base	E27 / E40	E27 / E40	E27 / E40	E27 / E40
Nominal Power	12W	27W	45W	63W
Total Power	11W ~ 13W	26W ~ 27W	43W ~ 47W	61W ~ 65W
Equivalent Power	125W	150W	175W	175W
Power Factor	> 0.90	> 0.90	> 0.90	> 0.90
Led Type / Q.ty	SMD Samsung 2835	SMD Samsung 2835	SMD Samsung 2835	SMD Samsung 2835
Led Driver	Integrated	Integrated	Integrated	Integrated
Insulation Class	Class II	Class II	Class II	Class II
Output Flux	1.700 lm ~ 1.800 lm	3.900 lm ~ 4.000 lm	6.500 lm ~ 6.600 lm	9.100 lm ~ 9.200 lm
Luminaire Efficacy	≥130 lm/W	≥130 lm/W	≥130 lm/W	≥130 lm/W
CCT	1900K ~ 6500K	1900K ~ 6500K	1900K ~ 6500K	1900K ~ 6500K
CRI (Ra)	> 80	> 80	> 80	> 80
Beam Angle	360°	360°	360°	360°
IP Protection	IP64	IP64	IP64	IP64
Operating Temperature	-40 °C ~ 60 °C	-40 °C ~ 60 °C	-40 °C ~ 60 °C	-40 °C ~ 60 °C
Storage Temperature	-40 °C ~ 60 °C	-40 °C ~ 60 °C	-40 °C ~ 60 °C	-40 °C ~ 60 °C
Useful Life	> 60.000 Hours (L70)	> 60.000 Hours (L70)	> 60.000 Hours (L70)	> 60.000 Hours (L70)
Materials	Aluminum + PC	Aluminum + PC	Aluminum + PC	Aluminum + PC



# URBAN LIGHT



A: Post Top Mounted

C: Side Entry Mounted

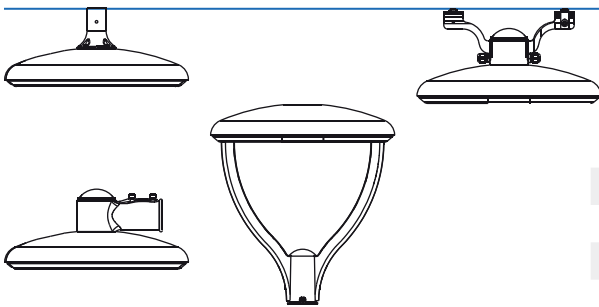
B: Pendant Mounted

D: Suspended Mounted

27W - 37W - 56W

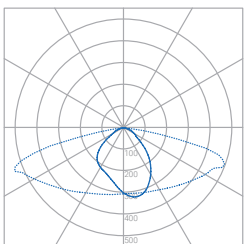
	PG-SL-UL27W	PG-SL-UL37W	PG-SL-UL56W
Input	100 ~ 240/277VAC / 50-60 Hz	100 ~ 240/277VAC / 50-60 Hz	100 ~ 240/277VAC / 50-60 Hz
Nominal Power	27W	37W	56W
Total Power	26W ~ 28W	36W ~ 38W	54W ~ 58W
Equivalent Power	70W	70W	125W
Power Factor	> 0.90	> 0.90	> 0.90
Led Type / Q.ty	SMD Lumileds 3030 2D / 72pcs	SMD Lumileds 3030 2D / 96pcs	SMD Lumileds 3030 2D / 120pcs
Led Driver	Meanwell / Inventronics	Meanwell / Inventronics	Meanwell / Inventronics
Insulation Class	Class I / Class II	Class I / Class II	Class I / Class II
Output Flux	3.500 lm ~ 3.600 lm	4.800 lm ~ 4.900 lm	7.200 lm ~ 7.400 lm
Luminaire Efficacy	≥ 130 lm/W	≥ 130 lm/W	≥ 130 lm/W
CCT	3000K - 4000K - 5000K - 5700K	3000K - 4000K - 5000K - 5700K	3000K - 4000K - 5000K - 5700K
CRI (Ra)	> 70	> 70	> 70
Optics	1M / 2M / 3M / 5S / 1MS	1M / 2M / 3M / 5S / 1MS	1M / 2M / 3M / 5S / 1MS
IP Protection	IP66	IP66	IP66
IK Protection	IK08	IK08	IK08
Surge Protection	10kV	10kV	10kV
Operating Temperature	-40 °C ~ 50 °C	-40 °C ~ 50 °C	-40 °C ~ 50 °C
Storage Temperature	-40 °C ~ 50 °C	-40 °C ~ 50 °C	-40 °C ~ 50 °C
Useful Life	> 100.000 Hours (L70)	> 100.000 Hours (L70)	> 100.000 Hours (L70)
Dimming Options	1-10V - PWM / Timer Dimming	1-10V - PWM / Timer Dimming	1-10V - PWM / Timer Dimming
Pole Diameter	60mm	60mm	60mm
Rope Diameter	6mm ~ 12mm	6mm ~ 12mm	6mm ~ 12mm
Materials	AL+ PC + Tempered Glass	AL+ PC + Tempered Glass	AL+ PC + Tempered Glass

	PG-SL-UL70W	PG-SL-UL90W	PG-SL-UL120W
Input	100 ~ 240/277VAC / 50-60 Hz	100 ~ 240/277VAC / 50-60 Hz	100 ~ 240/277VAC / 50-60 Hz
Nominal Power	70W	90W	120W
Total Power	68W ~ 72W	87W ~ 93W	117W ~ 123W
Equivalent Power	150W	250W	250W
Power Factor	> 0.90	> 0.90	> 0.90
Led Type / Q.ty	SMD Lumileds 3030 2D / 144pcs	SMD Lumileds 3030 2D / 168pcs	SMD Lumileds 3030 2D / 168pcs
Led Driver	Meanwell / Inventronics	Meanwell / Inventronics	Meanwell / Inventronics
Insulation Class	Class I / Class II	Class I / Class II	Class I / Class II
Output Flux	9.100 lm ~ 9.300 lm	11.700 lm ~ 11.900 lm	15.000 lm ~ 15.300 lm
Luminaire Efficacy	≥ 130 lm/W	≥ 130 lm/W	≥ 130 lm/W
CCT	3000K - 4000K - 5000K - 5700K	3000K - 4000K - 5000K - 5700K	3000K - 4000K - 5000K - 5700K
CRI (Ra)	> 70	> 70	> 70
Optics	1M / 2M / 3M / 5S / 1MS	1M / 2M / 3M / 5S / 1MS	1M / 2M / 3M / 5S / 1MS
IP Protection	IP66	IP66	IP66
IK Protection	IK08	IK08	IK08
Surge Protection	10kV	10kV	10kV
Operating Temperature	-40 °C ~ 50 °C	-40 °C ~ 50 °C	-40 °C ~ 50 °C
Storage Temperature	-40 °C ~ 50 °C	-40 °C ~ 50 °C	-40 °C ~ 50 °C
Useful Life	> 100.000 Hours (L70)	> 100.000 Hours (L70)	> 100.000 Hours (L70)
Dimming Options	1-10V - PWM / Timer Dimming	1-10V - PWM / Timer Dimming	1-10V - PWM / Timer Dimming
Pole Diameter	60mm	60mm	60mm
Rope Diameter	6mm ~ 12mm	6mm ~ 12mm	6mm ~ 12mm
Materials	AL+ PC + Tempered Glass	AL+ PC + Tempered Glass	AL+ PC + Tempered Glass

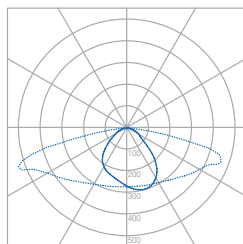


## Dimensions and Optics

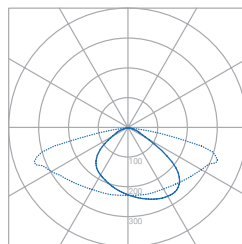
Installation Way	Diameter (mm)	Height (mm)	Weight (Kg)
A (Post Top Mounted)	480	521	7,4 ~ 8,1
B (Pendant Mounted)	480	204	7,4 ~ 8,1
C (Side Entry Mounted)	480	209	7,4 ~ 8,1
D (Suspended Mounted)	480	240	7,4 ~ 8,1



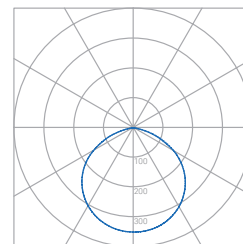
1M



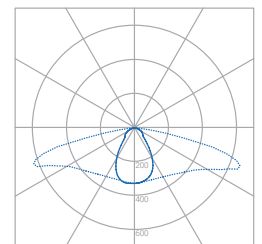
2M



3M



5S



1MS

# POLARIS STREET LIGHT



## 30W - 40W - 60W

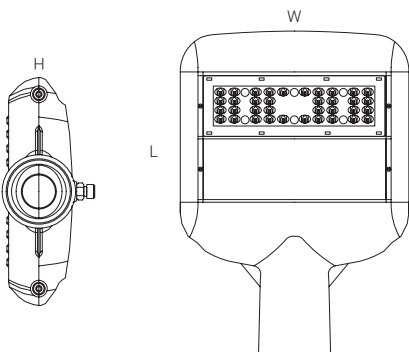
	PG-SL-POL30W	PG-SL-POL40W	PG-SL-POL60W
Input	100 ~ 240 VAC / 50-60 Hz	100 ~ 240 VAC / 50-60 Hz	100 ~ 240 VAC / 50-60 Hz
Nominal Power	30W	40W	60W
Total Power	29W ~ 31W	39W ~ 41W	58W ~ 62W
Equivalent Power	70W	70W	125W
Power Factor	> 0.90	> 0.90	> 0.90
Led Type / Q.ty	SMD Philips 3030 / 14pcs	SMD Philips 3030 / 14pcs	SMD Philips 3030 / 28pcs
LED Driver	Inventronics	Inventronics	Inventronics
Input Current	720 mA	920 mA	720 mA
Insulation Class	Class I / Class II	Class I / Class II	Class I / Class II
Nominal Flux	3.800 lm	5.000 lm	7.500 lm
Output Flux	3.600 lm	4.800 lm	7.200 lm
Luminous Efficacy	≥ 120 lm/W	≥ 120 lm/W	≥ 120 lm/W
CCT	3000K - 4000K - 5000K - 5700K	3000K - 4000K - 5000K - 5700K	3000K - 4000K - 5000K - 5700K
CRI (Ra)	> 70	> 70	> 70
Optics	1M / 2M / 3M	1M / 2M / 3M	1M / 2M / 3M
IP Protection	IP66	IP66	IP66
IK Protection	IK08	IK08	IK08
Surge Protection	5kV/9 kV	5kV/9 kV	5kV/9 kV
Operating Temperature	-40 °C ~ 50 °C	-40 °C ~ 50 °C	-40 °C ~ 50 °C
Storage Temperature	-40 °C ~ 50 °C	-40 °C ~ 50 °C	-40 °C ~ 50 °C
Useful Life	> 60.000 Hours (L80)	> 60.000 Hours (L80)	> 60.000 Hours (L80)
Dimming Options	1-10V / Wireless / Timer Dimming	1-10V / Wireless / Timer Dimming	1-10V / Wireless / Timer Dimming
Accessories	Angular Adaptors / Pipes	Angular Adaptors / Pipes	Angular Adaptors / Pipes
Materials	Aluminum + Pc	Aluminum + Pc	Aluminum + Pc
Materials	Aluminum + Pc	Aluminum + Pc	Aluminum + Pc

# POLARIS STREET LIGHT

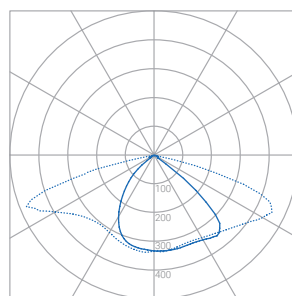
80W - 90W - 100W - 120W

	PG-SL-POL80W	PG-SL-POL90W	PG-SL-POL100W	PG-SL-POL120W
Input	100 ~ 240 VAC / 50-60 Hz	100 ~ 240 VAC / 50-60 Hz	100 ~ 240 VAC / 50-60 Hz	100 ~ 240 VAC / 50-60 Hz
Nominal Power	80W	90W	100W	120W
Total Power	78W ~ 82W	88W ~ 92W	97W ~ 103W	117W ~ 123W
Equivalent Power	150W	150W	250W	250W
Power Factor	> 0.90	> 0.90	> 0.90	> 0.90
Led Type / Q.ty	SMD Philips 3030 / 28pcs	SMD Philips 3030 / 42pcs	SMD Philips 3030 / 42pcs	SMD Philips 3030 / 42pcs
LED Driver	Inventronics	Inventronics	Inventronics	Inventronics
Input Current	920 mA	720 mA	720 mA	920 mA
Insulation Class	Class I / Class II	Class I / Class II	Class I / Class II	Class I / Class II
Nominal Flux	9.900 lm	11.100 lm	12.500 lm	14.900 lm
Output Flux	9.600 lm	10.800 lm	12.100 lm	14.500 lm
Luminous Efficacy	≥ 120 lm/W	≥ 120 lm/W	≥ 115 lm/W	≥ 120 lm/W
CCT	3000K - 4000K - 5000K - 5700K	3000K - 4000K - 5000K - 5700K	3000K - 4000K - 5000K - 5700K	3000K - 4000K - 5000K - 5700K
CRI (Ra)	> 70	> 70	> 70	> 70
Optics	1M / 2M / 3M	1M / 2M / 3M	1M / 2M / 3M	1M / 2M / 3M
IP Protection	IP66	IP66	IP66	IP66
IK Protection	IK08	IK08	IK08	IK08
Surge Protection	5kV/9 kV	5kV/9 kV	5kV/9 kV	5kV/9 kV
Operating Temperature	-40 °C ~ 50 °C	-40 °C ~ 50 °C	-40 °C ~ 50 °C	-40 °C ~ 50 °C
Storage Temperature	-40 °C ~ 50 °C	-40 °C ~ 50 °C	-40 °C ~ 50 °C	-40 °C ~ 50 °C
Useful Life	> 60.000 Hours (L80)	> 60.000 Hours (L80)	> 60.000 Hours (L80)	> 60.000 Hours (L80)
Dimming Options	1-10V / Wireless / Timer Dimming	1-10V / Wireless / Timer Dimming	1-10V / Wireless / Timer Dimming	1-10V / Wireless / Timer Dimming
Accessories	Angular Adaptors / Pipes	Angular Adaptors / Pipes	Angular Adaptors / Pipes	Angular Adaptors / Pipes
Materials	Aluminum + Pc	Aluminum + Pc	Aluminum + Pc	Aluminum + Pc

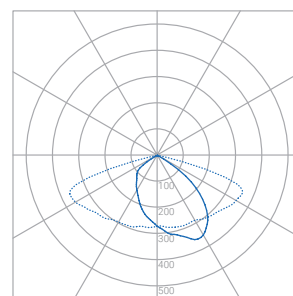
## Dimensions and Optics



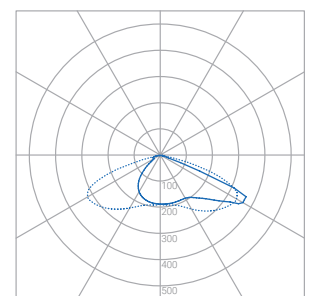
Model	Modules N.	Lenght (mm)	Width (mm)	Height (mm)	Weight (Kg)
PG-SL-POL30W	1	355	265	75	1,83
PG-SL-POL40W	2	355	265	75	1,83
PG-SL-POL60W	2	425	265	75	2,59
PG-SL-POL80W	3	425	265	75	2,59
PG-SL-POL90W	3	495	265	75	3,21
PG-SL-POL100W	3	495	265	75	3,21
PG-SL-POL120W	3	495	265	75	3,21



1M



2M



3M

# CYGNUS STREET LIGHT



30W - 40W - 60W

	PG-SL-CYG20W	PG-SL-CYG30W	PG-SL-CYG40W	PG-SL-CYG60W
Input	100 ~ 240 VAC / 50-60 Hz	100 ~ 240 VAC / 50-60 Hz	100 ~ 240 VAC / 50-60 Hz	100 ~ 240 VAC / 50-60 Hz
Power	20W	30W	40W	60W
Total Power	19W ~ 21W	29W ~ 31W	39W ~ 41W	58W ~ 62W
Equivalent Power	50W	70W	70W	125W
Power Factor	> 0.90	> 0.90	> 0.90	> 0.90
Led Type / Q.ty	Osram/Philips Luxeon TX / 12pcs	Osram/Philips Luxeon TX / 18pcs	Osram/Philips Luxeon TX / 24pcs	Osram/Philips Luxeon TX / 36pcs
Driver	Inventronics / Philips / Osram	Inventronics / Philips / Osram	Inventronics / Philips / Osram	Inventronics / Philips / Osram
Input Current	525 mA	525 mA	525 mA	525 mA
Insulation Class	Class II	Class II	Class II	Class II
Nominal Flux	2.600 lm	3.800 lm	5.000 lm	7.400 lm
Output Flux	2.400 lm	3.600 lm	4.800 lm	7.200 lm
Luminous Efficacy	≥ 120 lm/W	≥ 120 lm/W	≥ 120 lm/W	≥ 120 lm/W
CCT	3000K - 4000K - 5000K - 5700K	3000K - 4000K - 5000K - 5700K	3000K - 4000K - 5000K - 5700K	3000K - 4000K - 5000K - 5700K
CRI (Ra)	> 70	> 70	> 70	> 70
Optics	1M / 2M / 2S / 3S	1M / 2M / 2S / 3S	1M / 2M / 2S / 3S	1M / 2M / 2S / 3S
IP Protection	IP66	IP66	IP66	IP66
IK Protection	IK08	IK08	IK08	IK08
Surge Protection	6kV/10kV	6kV/10kV	6kV/10kV	6kV/10kV
Operating Temperature	-40°C ~ 50°C	-40°C ~ 50°C	-40°C ~ 50°C	-40°C ~ 50°C
Storage Temperature	-40°C ~ 50°C	-40°C ~ 50°C	-40°C ~ 50°C	-40°C ~ 50°C
Useful Life	> 100.000 Hours (L90)	> 100.000 Hours (L90)	> 100.000 Hours (L90)	> 100.000 Hours (L90)
Standard Dimming	1-10V / Timer Dimming	1-10V / Timer Dimming	1-10V / Timer Dimming	1-10V / Timer Dimming
Other Dimming Options	Wireless	Wireless	Wireless	Wireless
Adjustable Tilt Angle	- 15° ~ 15°	- 15° ~ 15°	- 15° ~ 15°	- 15° ~ 15°
Materials	AL + Tempered Glass	AL + Tempered Glass	AL + Tempered Glass	AL + Tempered Glass

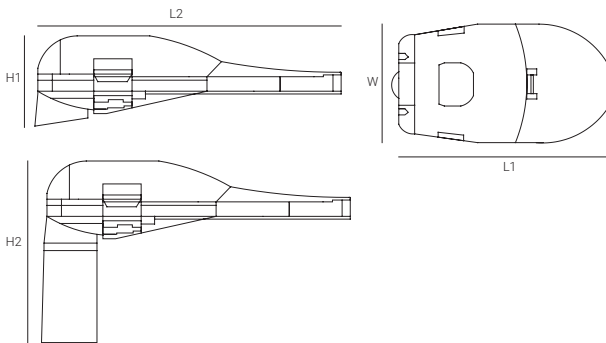


# CYGNUS STREET LIGHT

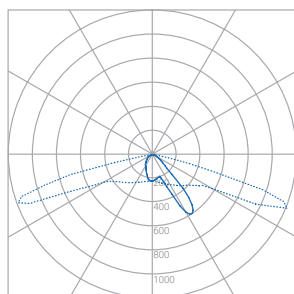
80W - 90W - 100W - 120W

	PG-SL-CYG80W	PG-SL-CYG90W	PG-SL-CYG100W	PG-SL-CYG120W
Input	100 ~ 240 VAC / 50-60 Hz	100 ~ 240 VAC / 50-60 Hz	100 ~ 240 VAC / 50-60 Hz	100 ~ 240 VAC / 50-60 Hz
Power	80W	90W	100W	120W
Total Power	78W ~ 82W	88W ~ 92W	97W ~ 103W	117W ~ 123W
Equivalent Power	150W	150W	250W	250W
Power Factor	> 0.90	> 0.90	> 0.90	> 0.90
Led Type / Q.ty	Osram - Philips Luxeon TX / 48pcs	Osram - Philips Luxeon TX / 54pcs	Osram - Philips Luxeon TX / 60pcs	Osram - Philips Luxeon TX / 72pcs
Driver	Inventronics / Philips / Osram	Inventronics / Philips / Osram	Inventronics / Philips / Osram	Inventronics / Philips / Osram
Input Current	525 mA	525 mA	525 mA	525 mA
Insulation Class	Class II	Class II	Class II	Class II
Nominal Flux	9.800 lm	11.000 lm	12.300 lm	14.900 lm
Output Flux	9.600 lm	10.800 lm	12.000 lm	14.400 lm
Luminous Efficacy	≥ 120 lm/W	≥ 120 lm/W	≥ 120 lm/W	≥ 120 lm/W
CCT	3000K - 4000K - 5000K - 5700K	3000K - 4000K - 5000K - 5700K	3000K - 4000K - 5000K - 5700K	3000K - 4000K - 5000K - 5700K
CRI (Ra)	> 70	> 70	> 70	> 70
Optics	1M / 2M / 2S / 3S	1M / 2M / 2S / 3S	1M / 2M / 2S / 3S	1M / 2M / 2S / 3S
IP Protection	IP66	IP66	IP66	IP66
IK Protection	IK08	IK08	IK08	IK08
Surge Protection	6kV/10kV	6kV/10kV	6kV/10kV	6kV/10kV
Operating Temperature	-40°C ~ 50°C	-40°C ~ 50°C	-40°C ~ 50°C	-40°C ~ 50°C
Storage Temperature	-40°C ~ 50°C	-40°C ~ 50°C	-40°C ~ 50°C	-40°C ~ 50°C
Useful Life	> 100.000 Hours (L90)	> 100.000 Hours (L90)	> 100.000 Hours (L90)	> 100.000 Hours (L90)
Standard Dimming	1-10V / Timer Dimming	1-10V / Timer Dimming	1-10V / Timer Dimming	1-10V / Timer Dimming
Other Dimming Options	Wireless	Wireless	Wireless	Wireless
Adjustable Tilt Angle	- 15° ~ 15°	- 15° ~ 15°	- 15° ~ 15°	- 15° ~ 15°
Materials	AL + Tempered Glass	AL + Tempered Glass	AL + Tempered Glass	AL + Tempered Glass

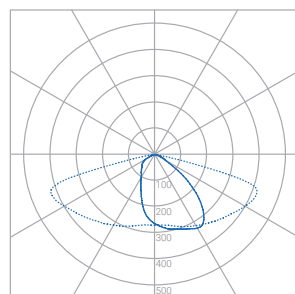
## Dimensions and Optics



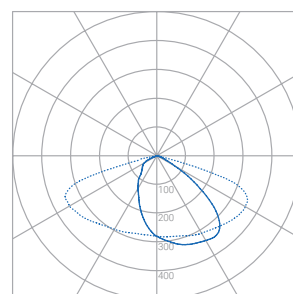
Model	L1xWxH1 (mm)	L2xH2 (mm)	Weight (Kg)
PG-SL-CYG20W	400x220x127	515x235	1,83
PG-SL-CYG30W	400x220x127	515x235	1,83
PG-SL-CYG40W	400x220x127	515x235	1,83
PG-SL-CYG60W	550x280x133	665x242	2,59
PG-SL-CYG80W	550x280x133	665x242	2,59
PG-SL-CYG90W	550x280x133	665x242	2,59
PG-SL-CYG100W	650x340x134	765x243	3,21
PG-SL-CYG120W	650x340x134	765x243	3,21



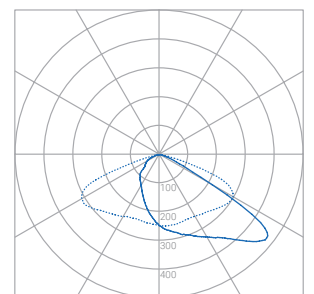
1M



2M



2S



3S

# ORION STREET LIGHT



60W - 90W - 120W

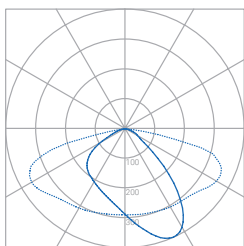
	PG-SL-ORN60W	PG-SL-ORN90W	PG-SL-ORN120W
Input	100 ~ 240/277VAC / 50-60 Hz	100 ~ 240/277VAC / 50-60 Hz	100 ~ 240/277VAC / 50-60 Hz
Nominal Power	60W	90W	120W
Total Power	58W ~ 62W	87W ~ 93W	117W ~ 123W
Equivalent Power	125W / 150W	250W	250W
Power Factor	> 0.90	> 0.90	> 0.90
Led Type / Q.ty	SMD Lumileds 3030 2D / 96pcs	SMD Lumileds 3030 2D / 144pcs	SMD Lumileds 3030 2D / 192pcs
Led Driver	Meanwell / Inventronics	Meanwell / Inventronics	Meanwell / Inventronics
Insulation Class	Class I / Class II	Class I / Class II	Class I / Class II
Output Flux	7.500 lm ~ 7.700 lm	11.200 lm ~ 11.400 lm	15.000 lm ~ 15.300 lm
Luminaire Efficacy	≥ 125 lm/W	≥ 125 lm/W	≥ 125 lm/W
CCT	4000K - 5000K - 5700K	4000K - 5000K - 5700K	4000K - 5000K - 5700K
CRI (Ra)	> 70	> 70	> 70
Optics	1M / 2M / 3M	1M / 2M / 3M	1M / 2M / 3M
IP Protection	IP66	IP66	IP66
IK Protection	IK08	IK08	IK08
Surge Protection	10kV	10kV	10kV
Operating Temperature	-40 °C ~ 50 °C	-40 °C ~ 50 °C	-40 °C ~ 50 °C
Storage Temperature	-40 °C ~ 50 °C	-40 °C ~ 50 °C	-40 °C ~ 50 °C
Useful Life	> 100.000 Hours (L70)	> 100.000 Hours (L70)	> 100.000 Hours (L70)
Dimming Options	1-10V - PWM / Timer Dimming	1-10V - PWM / Timer Dimming	1-10V - PWM / Timer Dimming
Pole Adaptor Diameter (Horiz.)	80mm - 60mm	80mm - 60mm	80mm - 60mm
Pole Adaptor Diameter (Vert.)	60mm - 40mm	60mm - 40mm	60mm - 40mm
Adjustable Tilt Angle	- 15° ~ 15°	- 15° ~ 15°	- 15° ~ 15°
Materials	AL + Tempered Glass	AL + Tempered Glass	AL + Tempered Glass

# ORION STREET LIGHT

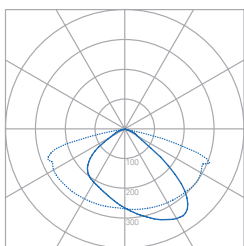
150W - 180W - 200W

	PG-SL-ORN150W	PG-SL-ORN180W	PG-SL-ORN200W
Input	100 ~ 240/277VAC / 50-60 Hz	100 ~ 240/277VAC / 50-60 Hz	100 ~ 240/277VAC / 50-60 Hz
Nominal Power	150W	180W	200W
Total Power	145W ~ 155W	175W ~ 185W	195W ~ 205W
Equivalent Power	400W	400W	450W
Power Factor	> 0.90	> 0.90	> 0.90
Led Type / Q.ty	SMD Lumileds 3030 2D / 240pcs	SMD Lumileds 3030 2D / 144pcs	SMD Lumileds 3030 2D / 192pcs
Led Driver	Meanwell / Inventronics	Meanwell / Inventronics	Meanwell / Inventronics
Insulation Class	Class I / Class II	Class I / Class II	Class I / Class II
Output Flux	18.700 lm ~ 19.000 lm	22.500 lm ~ 22.900 lm	25.000 lm ~ 25.500 lm
Luminaire Efficacy	≥ 125 lm/W	≥ 125 lm/W	≥ 125 lm/W
CCT	4000K - 5000K - 5700K	4000K - 5000K - 5700K	4000K - 5000K - 5700K
CRI (Ra)	> 70	> 70	> 70
Optics	1M / 2M / 3M	1M / 2M / 3M	1M / 2M / 3M
IP Protection	IP66	IP66	IP66
IK Protection	IK08	IK08	IK08
Surge Protection	10kV	10kV	10kV
Operating Temperature	-40 °C ~ 50 °C	-40 °C ~ 50 °C	-40 °C ~ 50 °C
Storage Temperature	-40 °C ~ 50 °C	-40 °C ~ 50 °C	-40 °C ~ 50 °C
Useful Life	> 100.000 Hours (L70)	> 100.000 Hours (L70)	> 100.000 Hours (L70)
Dimming Options	1-10V - PWM / Timer Dimming	1-10V - PWM / Timer Dimming	1-10V - PWM / Timer Dimming
Pole Adaptor Diameter (Horiz.)	80mm - 60mm	80mm - 60mm	80mm - 60mm
Pole Adaptor Diameter (Vert.)	60mm - 40mm	60mm - 40mm	60mm - 40mm
Adjustable Tilt Angle	- 15° ~ 15°	- 15° ~ 15°	- 15° ~ 15°
Materials	AL + Tempered Glass	AL + Tempered Glass	AL + Tempered Glass

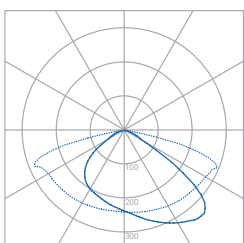
## Dimensions and Optics



1M

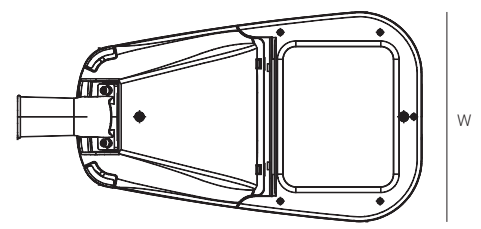


2M



3M

Model	Length (mm)	Width (mm)	Height 1 (mm)	Height 2 (mm)	Weight (Kg)
PG-SL-ORN60W	726	357	127	241	7,8
PG-SL-ORN90W	726	357	127	241	8,1
PG-SL-ORN120W	726	357	127	241	8,2
PG-SL-ORN150W	861	447	153	267	12,0
PG-SL-ORN180W	861	447	153	267	12,1
PG-SL-ORN200W	861	447	153	267	12,2





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LED Catalog 2019

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