



PERCORSO X

The smart Road Lighting...

ThermalSafe®
 GlareSafe®
 TightSafe®
 Smart Intelligent System *Touch*™
 Future Proof
 Anti Drop System

The Percorso X Roadway Lighting luminaires are powered by the Gruppe Crystal OpticLED™ platform, and featuring innovative thermal management design, offers exceptional performance and value. This versatile luminaire can be tailored to the unique specifications of each project by offering multiple drivers, wattage options and dimming options to further maximise energy savings and provide the most cost-effective solution.

Using state-of-the-art technology, Percorso X luminaires have been designed to fulfil the FutureProof concept. The photometric engine is IP 66 sealed to protect the LEDs and lenses from coming into contact with the outside environment and so maintain photometric performance over time.



Application

Perimeter, roadway, parking, compound, garden & etc
Architectural and landscape.

Features

High pressure die cast aluminium alloy housing.
 Corrosion resistant.
 Finished with polyester powder paint.
 Tool free maintenance
 Easy access from the top for maintenance.
 Easy replacement of the entire LED module and electronic system by removing the top cover. "Plug and Play" system.
 Standard colour grey.
 Anti-aging silicone rubber gasket.
 Clear tempered glass protector.
 Adjustable mounting spigot for tilting and mounting flexibility on pole top and side entry.
 Double Clip on closure.
 Operating temperature (Ta) -25°C ~ 50°C.
 Salt spray tested (ISO 9227:2012)
 Anti vibration up to 5G
 Dimming and smart lighting system available upon request.

Characteristic

Light source	:	High power LED
Power correction factor	:	> 0.9
Insulation	:	Class 1
Compliance	:	IEC 60598-1, IEC 60598-2- IEC 62722
Ingress Protection (IP)	:	IP 66
Protection against surge (SPD)	:	10KA ~ 20KA
Colour rendering (CRI)	:	≥ 70
Colour temperature (CCT)	:	3000K ~ 6000K
<i>Other CCT & CRI available upon request</i>		
Weight	:	5.7kg ~15kg

Option : Remote Control System & Smart Intelligent System available upon request

IOT Ready



Robust & Sleek design



ThermalSafe® Thermal system



Energy saving with remote control system

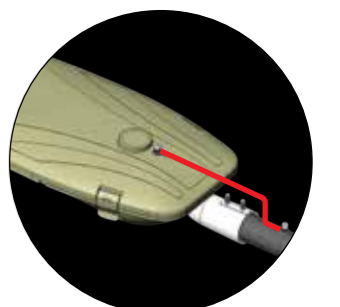


Network for smart intelligent system

GlareSafe® Multiple lens



Anti Drop System





GlareSafe® Multiple lens



Flexibility (Plug & Play System)

For easy maintenance the photometry engine can be serviced by top opening and gear compartment can easily be removed (plug & play system) allowing real on-site maintenance and future upgrading technology development. Tool free maintenance.

PERCORSO X

The luminaires various sizes and its photometric versatility makes it perfectly suited to multiple roadway & public lighting applications

Specification

Type	Percorso X series
Light source	Integral LED-module
Wattage	60W ~ 240W
Nominal efficacy	120 ~ 135 lm/W
Color temperature (CCT)	3000K ~ 6000K
Color rendering Index (CRI)	≥ 70 <i>Other CRI available upon request (≥ 80, ≥ 90)</i>
Useful life	50,000 hours ~ <i>Base on the light source</i>
Operating temperature range (Ta)	-25°C ~ 50°C
Driver	Built-in electronic system
Main voltage	100~277V / 50~60Hz
Options	Dimming system photocell Nema socket (7 pin)
Optical lens photometry	T2A, T3A, T4A, T3, T4, T5, T12, T13, T14 <i>* Refer to the Lens application page</i>
Material	Housing : high pressure die-cast aluminium alloy Protector : Clear tempered flat glass Finishing : polyester powder paint
Color	Grey Other RAL colors available on request
Maintenance	Possibility to open with screw to replace driver and LED module. Easy maintenance.
Installation	Post top : 60 mm Side entry : 60mm Recommended mounting height : 6m ~ 15m Standard tilt angle post top : 0, -5° and -10° Adjustable tilt angle 0, -5° and -10°

Ordering Code Dimensions

Code	Wattage	Leds	Nominal Flux	a	b	c	d	e	f
PEX06040	60W	32	7800	720	610	360	115	138	60
PEX09040	90W	48	11700	720	610	360	115	138	60
PEX12040	120W	48	15600	760	660	360	115	138	60
PEX15040	150W	64	19500	760	660	380	115	138	60
PEX18040	180W	80	23400	910	810	380	120	143	60
PEX20040	200W	96	26000	910	810	380	120	143	60
PEX24040	240W	112	31200	910	810	380	120	143	60

* The above ordering code is base on CCT~4000K

