



P860_{4x4}

TECHNICAL DATASHEET

Our high powered Highways Luminaire the P860 excels in optical performance, thermal management, compatibility and serviceability, bringing an uncompromised outcome of efficiency, versatility, future-proof for an optimised investment.

The P860 has been designed to meet the most demanding lighting requirements, specifically motorway/highway lighting, being easy to install and maintain. It combines the latest LED light source with state-of-the-art design, achieving long life for both the LED's and drivers. The installation is simple and fast, and the luminaire is easily upgradable on-site if required.



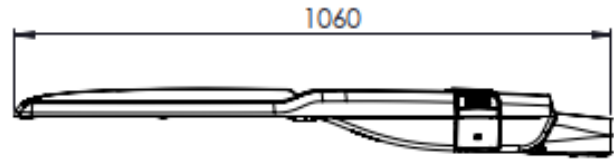
SPECIFICATION

Light Source	High Power CSP LEDs
Number of LEDs	384 (128 x 3)
Power Consumption	108 - 533W
Correlated Colour Temperature	Neutral white, 4000K (3000K option)
Glare Class	Up to G6
Colour Rendering Index	>70
Optical Cover	Flat Glass - Tested to IK09
Luminaire Luminous Flux	17500 - 88500lm
Luminaire Efficacy	Up to 174 lm/W
Electrical Class	I
Control System Input	DALI
Lumen Maintenance Output	P860 L90 > 100,000 hours (850mA, Ta = 25°C), P860 L88 > 100,000 hours (1050mA, Ta = 25°C)
Driver Current	200mA - 1050mA in 25mA steps
Surge Protection	10kV Com. Mode 6 kV Diff. Mode to IEC 61000-4-5
Dimming Control	Multi step dimming
Lighting Regulation	Mini Photocell, ANSI 7-pin NEMA, Zhaga Book 18 socket(s), Wireless CMS options
Operating Temperature	-40°C to +50°C
Raised Ambient Operation	+50°C (up to 600mA driver current)
Installation Height	8 - 15m
Installation	SE Ø 34-42mm or Ø 42-60mm PT Ø 42-60mm or Ø 60-76mm
Post Top / Side Entry Tilt	-10°, -5°, 0°, 5°, 10°
Material	High pressure die cast aluminium (housing)
Finish	Polyester powder coat cured under heat
Colours	Light Grey (RAL 7035), other RAL colours available on request
Ingress Protection	IP66
Wind Area (SCx)	0.054m ²
Weight	19.5kg

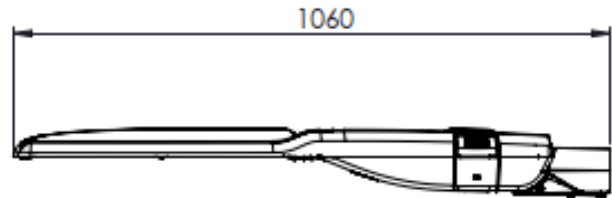
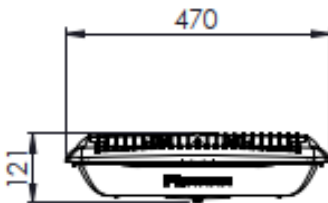
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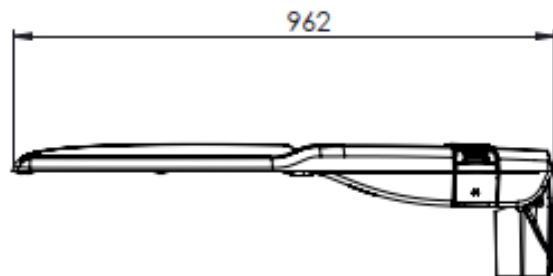
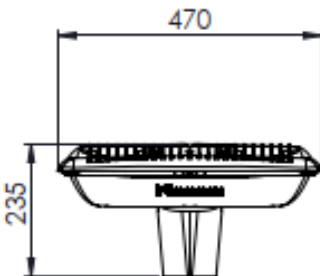
42mm Side Entry



60mm Side Entry



76mm Post Top



Available accessories :-

- Safety lanyard
- Bubble level
- External shields, front, back and sides
- Bird spikes