P860

C.U. Phosco

Shortlisted for the 2017 LUX Awards 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 the drives. 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 (50mA steps)	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, 7-pin ANSI Socket, Zhaga Book 18 socket, Bluetooth Control Node, Wireless CMS Options
Operating Temperature	-30°C to +30°C, +50°C (limited driver current)
Installation Height	8 - 15m
Installation Post Top / Side Entry	SE Ø 42-60mm or Ø 42-60mm, PT Ø 42-60mm or Ø 60-76mm
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
*Lumen Depreciation	Calculated up to 100,000 hours using IES TM-21 method

470

120

470

121

470

235

1060

1060

962