



P862

TECHNICAL DATASHEET

LUX Awards Winner of Exterior Luminaire of the Year. This P862 'ticked all the boxes' of what an exterior luminaire should be, the judges said.

P862 is an LED luminaire that excels in optical performance, thermal management, compatibility and serviceability, resulting in an uncompromised outcome of

efficiency and versatility that is future-proofed for an optimised investment.

P862 is the ultimate solution to replace traditional HID sources. Being lightweight and having a low profile wind area enables the P862 to be safely installed on existing lighting columns and brackets.



SPECIFICATION

Light Source	High Power CSP LEDs
Number of LEDs	128 LED 256 LED
Power Consumption	39 ~ 196W 71 ~ 225W
Correlated Colour Temperature	4000K, 3000K*
Glare Class	Up to G6
Colour Rendering Index	>70
Optical Cover	Flat Glass - Tested to IK09
Luminaire Luminous Flux	6000 - 30820 lm 11650 - 37930 lm
Luminaire Efficacy	Up to 173 lm/W Up to 174 lm/W
Electrical Class	I or II
Control System Input	DALI
Lumen Maintenance Output	L90 > 100,000 hours (Ta = 25°C) ***Lumen depreciation calculated up to 100,000 hours using IES TM-21 method.
Driver Current (50mA steps)	200mA ~ 1050mA 200mA ~ 625mA
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, Central Management Systems
Operating Temperature	-30°C to +30°C, +50°C (limited driver current)
Raised Ambient Operation	+50°C (limited driver current)
Installation Height	8 ~ 12m
Installation Post Top / Side Entry	SE Ø 34 - 42mm or Ø 42 - 60mm, PT Ø 42 - 60mm or Ø 60 - 76mm
Tilt	-10°, -5°, 0°, 5°, 10° ** DarkSky Approved when installed at zero tilt angle.
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)	0.042m ²
Weight	8.5kg / 9.7kg
Shielding	Front, rear, left, and right shielding options

P862

TECHNICAL DATASHEET

