



P863

TECHNICAL DATASHEET

The P863 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.

The P863 has been designed to meet the most demanding lighting

requirements, being easy to install and maintain. It combines the latest LED light source with state-of-the-art design, achieving longevity for both the LEDs and the drivers. The installation is simple and fast, and the luminaire is easily upgradeable on site if required.

The P863 is the ultimate solution to replace traditional HID sources.



SPECIFICATION

Light Source	High Power CSP LEDs
Number of LEDs	128 LED
Power Consumption	39 ~ 168W
Correlated Colour Temperature	4000K, 3000K * DarkSky Approved with 3000K CCT or warmer only
Glare Class	Up to G6
Colour Rendering Index	>70
Optical Cover	Flat Glass - Tested to IK09
Luminaire Luminous Flux	6500 - 26500 lm
Luminaire Efficacy	Up to 174 lm/W
Electrical Class	I & 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	200mA - 900mA
Surge Protection	10 kV Common Mode, 6 kV Differential 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	-40°C to +50°C
Raised Ambient Operation	+50°C (limited driver current)
Installation Height	5 - 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)	0.039m ²
Weight	7.5kg / 8.2kg
Additional Note	Spigots, if factory fitted, are to be set at zero tilt setting unless specified otherwise

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