



P852K

TECHNICAL DATASHEET

P852K is a high-quality, low-cost solution to replace existing sodium discharge and compact fluorescent luminaires on minor roads and residential areas.

P852K 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 long life for both LEDs and drivers. The installation is simple and fast, and the luminaire is easily upgradable on-site if required.

Available in 12 LED and 24 HE Versions with Luminaire Efficacy up to 173 lm/W.



SPECIFICATION

Feature	24 LEDs	12 LEDs
Number of LEDs	24	12
Power Consumption	15 - 67W (CLO080)	9 - 54W
Correlated Colour Temperature	Neutral White, 4000K, Or Warm White 3000K* * DarkSky Approved with 3000K CCT or warmer only	
Glare Rating	G3 min. G4 max.	G3 max.
Colour Rendering Index	>70	
Optical Cover	PMMA Lenses	
Max. Luminous Flux	2150 ~ 9380 lm	1040 ~ 6360 lm
Max. Luminaire Efficacy	139 lm/W	115 lm/W
Weight (Total)	5.3kg	5kg
Operating Temperature	-40°C to +30°C	-40°C to +15°C (1500mA), -40°C to +25°C (1000mA), -40°C to +40°C (350mA)
Installation Height	5 ~ 12m	3 ~ 8m
Electrical Class	I & II	
Control System Input	DALI step dimming	
Lumen Maintenance Output	L80 @ 100,000 hours (1000mA, Ta = 15°C), L90 @ 100,000 hours (750mA, Ta = 15°C) Lumen depreciation calculated up to 100,000 hours using IES TM-21 method	
Driver Current	200mA ~ 1000mA in 50mA steps (1500mA for 12 LED)	
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, Central Management Systems	
Installation	Ø 34-42mm x 100mm Long SE, Ø 42-60mm x 100mm Long SE/PT, Ø 60-76mm x 76mm Long PT-10°, -5°, 0°, 5°, 10° (option for -15°)** ** 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	
Shielding	Front, rear, left and right shielding options	

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