



P855-288

TECHNICAL DATASHEET

P855-288 a highly innovative, high mast LED luminaire with 360° rotating STAR-optic®. The functional yet compact design delivers exceptionally powerful optical and thermal performance, whilst maintaining a low weight and wind area.

rotation delivers unlimited freedom in lighting design regardless of luminaire orientation, while optimising energy efficiency for even the most challenging scheme.

It is the ultimate solution to replace traditional High Mast HID sources.



P855-288's wide range of optical distributions coupled with 360°

SPECIFICATION

Light Source	High Power CSP LEDs		
Number of LEDs	288		
Power Consumption	104 - 411W		
Correlated Colour Temperature	Neutral White 4000K (3000K optional)		
Glare Rating	Up to G6		
Colour Rendering Index	>70		
Optical Cover	Flat Glass		
Luminaire Luminous Flux	16,500 ~ 61,220 lm		
Luminaire Efficacy	149 - 160 lm/W (Ta = 25°C)		
Weight (Total)	17kg		
Operating Temperature	-40°C to +50°C		
Installation Height	15 ~ 40m		
Electrical Class	I		
Control System Input	DALI, Switch dim		
Lumen Maintenance Output	L85 @ 100,000 hrs (Ta = 45°C)	L90 @ 100,000 hrs (Ta ≤ 40°C)	L95 @ 90,000 hrs (Ta ≤ 25°C) * Lumen depreciation calculated up to 100,000 hours using IES TM-21 method.
Driver Current	200mA ~ 1000mA (in 25mA steps)		
Surge Protection	10 kV Common Mode, 6 kV Diff. Mode to IEC 61000-4-5		
Dimming Control	Multi-step dimming		
Lighting Regulation	Mini Photocell, NEMA Socket, Wireless CMS options		
Installation	PT Ø 60-76mm		
Installation Accessories	Ø 42 - 60mm x 100mm Side Entry	Bird spikes, Light Shields, Solar Shield	
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 (STAR-optic® module and driver compartment), IP54 (connection compartment)		
Wind Area	0.085m²		

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