



FL800D 4x4

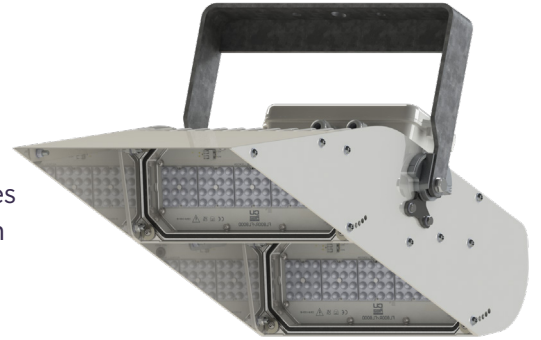
TECHNICAL DATASHEET

FL800D-1 4x4 or FL800D -2 4x4 can be arranged on a mast with full azimuth rotation and tilt function. These versions have drivers built in so are self contained.

Each module has a range of optical distribution options and a range of elevation angles to build a combined luminaire photometric output that meets even the most

challenging of schemes.

FL800D 4x4 uses AeroFlow® Cooling System to provide exceptional thermal management. Maximised heat dissipation enables a compact luminaire design, which can be retrofitted onto existing masts.



SPECIFICATION

Light Source	Samsung CSP LED	
Number of LEDs	80 (per module)	
Correlated Colour Temperature	Warm - 3000K, Neutral - 4000K, Cool - 5700K	
Colour Rendering Index	>70	
Optical Cover	Flat glass	
Max. Luminaire Efficacy at full power	136lm/W	
Max. Luminaire Efficacy	156 lm/W	
Electrical Class	I	
Lumen Maintenance output	L80 @ 100,000 hours, Ta = 45°C L90 @ 100,000 hours, Ta = 25°C, Lumen depreciation calculated up to 100,000 hours using IES TM-21 method	
Driver Current	200mA ~ 900mA (in 50mA steps)	
Operating Temperature	-40°C to +50°C	
Storage Temperature	-40°C to +80°C	
Installation Height	10 ~ 50m	
Installation	Stirrup mount	
Material	Marine Grade Aluminium LM6 (module), Aluminium side plates, Galvanised steel stirrup	
Finish	Natural aluminium (module) Polyester powder coated RAL 9010 (side plates)	
Ingress Protection	IP66	
Module Elevation Options	40°, 45°, 50°, 55°, 60°, 65° (select at time of order)	
Luminaire Tilt (on site)	-15° to +15° in 2.5° steps	
Product Configuration	FL800D-1	FL00D-2
Max. luminous flux	27,166 lm	54,332 lm
Power Consumption ** Values for 300 - 800 mA Operation	46 ~ 206W	92 ~ 412W
Wind Area (EPA)	0.056 m ²	0.096 m ²
Weight	8.7 kg	14.0 kg

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