



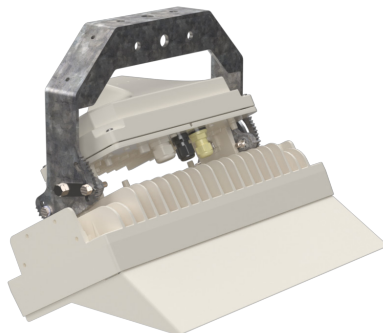
FL820-1 OB 480W

TECHNICAL DATASHEET

FL820 LED Floodlighting System with Integral or remote drivers provides an innovative solution for area lighting. The FL820 is a high output LED floodlight, which is designed for all types of area lighting, and may be used as a replacement for existing 1kW or 2kW floodlight systems. It is available as a single, twin or triple module with CSP (Chip Scale Package) LEDs.



FL820-1 FCO



FL820-1 L24



FL820-1 Projector

SPECIFICATION

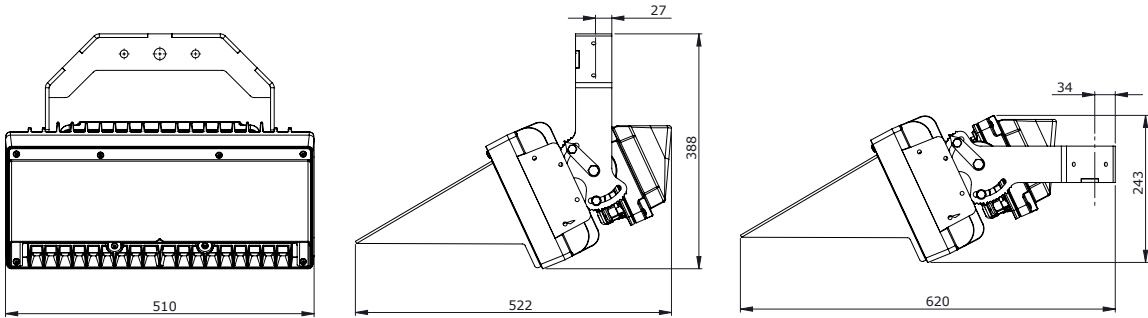
Light Source	CSP chip scale package LED		
Number of LEDs	256 LEDs (2 x 128)		
Correlated Colour Temperature	3000K, 4000K, 5700K		
Colour Rendering Index	>70		
Optical Cover	Flat glass		
Electrical Class	I		
Lumen Maintenance output	L90 @ 80,000 hours, Ta = 45°C L92 @ 100,000 hours, Ta = 25°C		
Driver Current	500mA - 1300mA		
Operating Temperature	-40°C to +50°C*		
Storage Temperature	-40°C to +85°C		
Installation Height	10 - 60m		
Material	Marine Grade Aluminium (LM6) Module, Aluminium cowl, Galvanised steel stirrup		
Finish	Aluminium parts polyester powder coated RAL 9010		
Ingress Protection	IP66		
Luminaire Tilt (on site)	-15° to +15°		
Product Configuration	FL820-1-FCO	FL820-1-L24	FL820-1-Projector
Max. Luminaire Luminous Flux	66,270lm	67,890lm	73,710lm
Power Consumption	181-475W	181-475W	181-475W
Wind Area Side (FPA)	0.063m ²	0.132m ²	0.198m ²
Wind Area Front (FPA)	0.153m ²	0.202m ²	0.249m ²
Weight	17.0kg	16.5kg	15.8kg
Efficiency at full power (4000K)	140lm/W	143lm/W	155lm/W
Maximum efficiency (4000K)	160lm/W	164lm/W	178lm/W
Approvals	Certified to : IEC 60598-2-5 CE and UKCA		

* The available output power of this luminaire is temperature dependent. Contact us for detailed performance specifications.

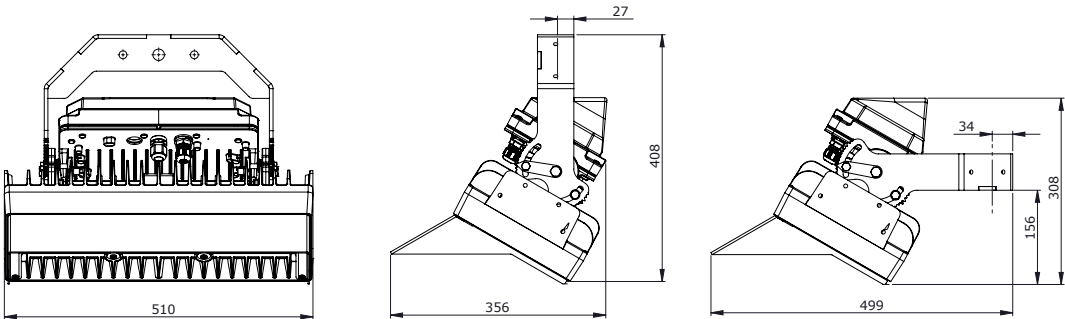
Input details			FL820-1 per MCB					
Input AC Voltage	Frequency range	Inrush current	B10	B16	B25	C10	C16	C25
220V	50 - 60Hz	14.5A for 2.00mS	2	4	6	3	5	8
480V	50 - 60Hz	16.2A for 4.12mS	2	3	6	4	6	10

VARIANTS

FL820-1-F
(SINGLE MODULE FULL CUT OFF)



FL820-1-L24
(SINGLE MODULE - L24 30° COWL)



FL820-1-P
(SINGLE MODULE PROJECTOR)

