FL820 Area
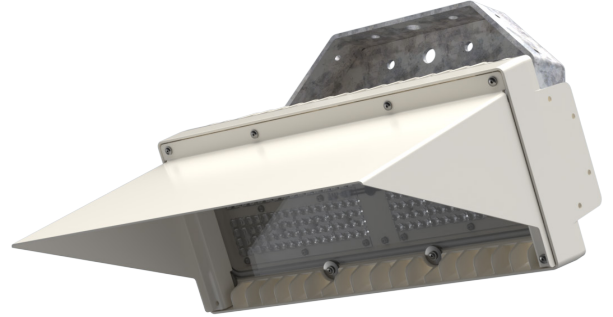
FL820 LED Floodlighting System with Integral or remote drivers provides an innovative solution for area lighting.

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.

This luminaire complies with ETL guidelines for White Light Emitting Diode Lighting Units and is eligible for the Enhanced Capital Allowance (ECA) scheme.

SPECIFICATION

Light Source	CSP chip scale package LED
Number of LEDs	256 LEDs per module (2 x 128)
Correlated Colour Temperature	3000K, 4000K, 5700K
Colour Rendering Index	>70
Optical Cover	Flat glass
Max. Luminaire Efficacy at full power	137 lm/W
Max. Luminaire Efficacy	154 lm/W
Electrical Class	I
Lumen Maintenance output	L90 @ 80,000 hours, Ta = 45°C L92 @ 100,000 hours, Ta = 25°C
Driver Current	700mA, 850mA, 1050mA, 1200mA, 1400mA
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	FL820-2	FL820-3
Max. Luminaire Luminous Flux	70,260lm	140,532lm	210,798lm
Power Consumption	255-512W	510-1024W	765-1536W
Wind Area Side (FPA)	0.063m²	0.132m²	0.198m²
Wind Area Front (FPA)	0.153m²	0.202m²	0.249m²
Weight	13.9kg	24.7kg	37.3kg

Above data is for remote driver types

FL820 Area

510

343

574
423
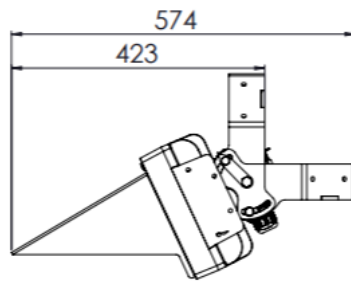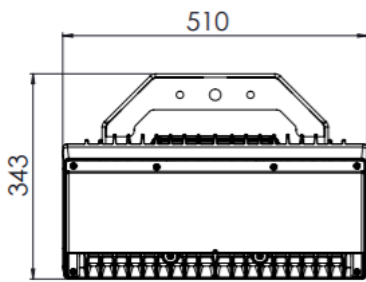
FL820-1

Two possible stirrup mounting options shown

528

433

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751
736
423
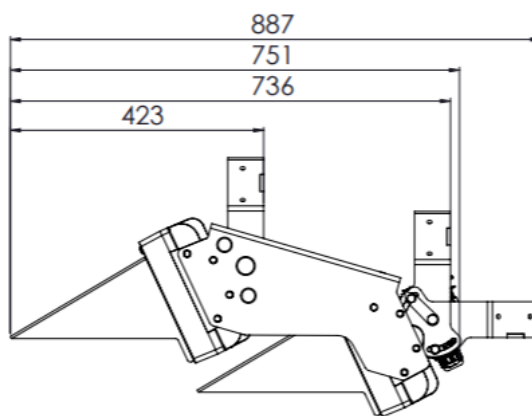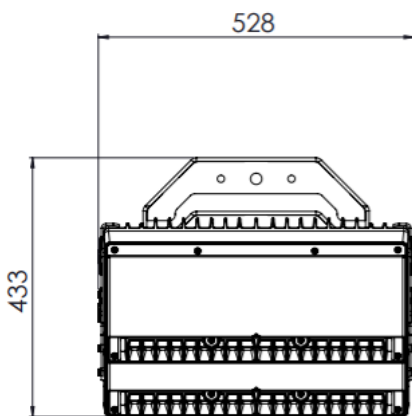
FL820-2

Three possible stirrup mounting options shown

528

523

1199
1063
423
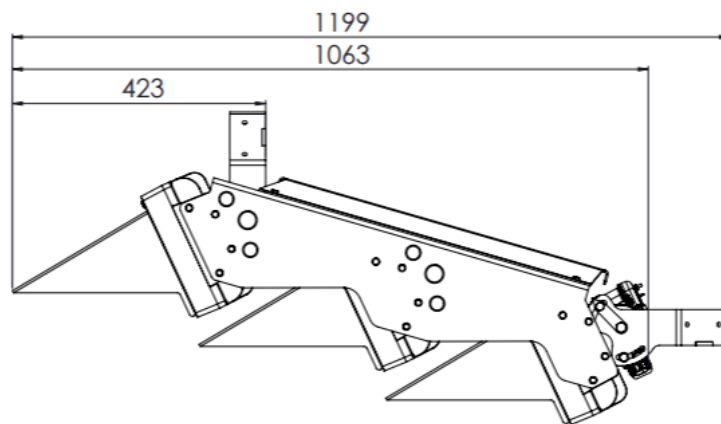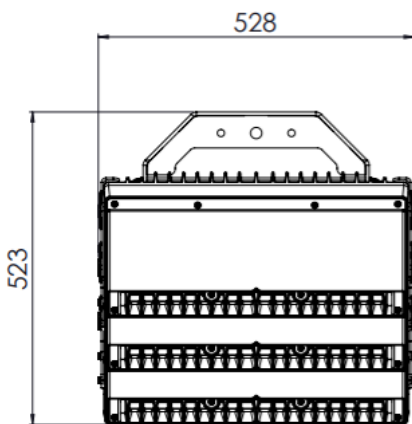
FL820-3

Two possible stirrup mounting options shown

Above data is for remote driver types