

Project:	
Type:	
Catalog #:	

STANDARD

The FME SDU Series LED luminaires utilize high brightness LEDs and precision optics to provide superior uniformity of the light beam while using up to 60% less energy and operating for up to 120,000 hours (L70). Designed to replace 1500W PSMH fixtures in Architectural Flood / Spot light and Sports Field lighting applications. Available in two beam angles (15° and 30°). The SDU Series is great for sports lighting, stadium lighting, sports fields, car parks, high mast installations, dock, railway and container yards, ports and other large scale outdoor applications

FEATURES

- High efficiency up to 160 Lpw
- Energy savings up to 60% over traditional HID sources
- 120,000 hour operating life (L70)
- 10Kv field replaceable surge protector
- DLC Listed, ETL Listed, Wet Location, IP65

HOUSING/OPTICS

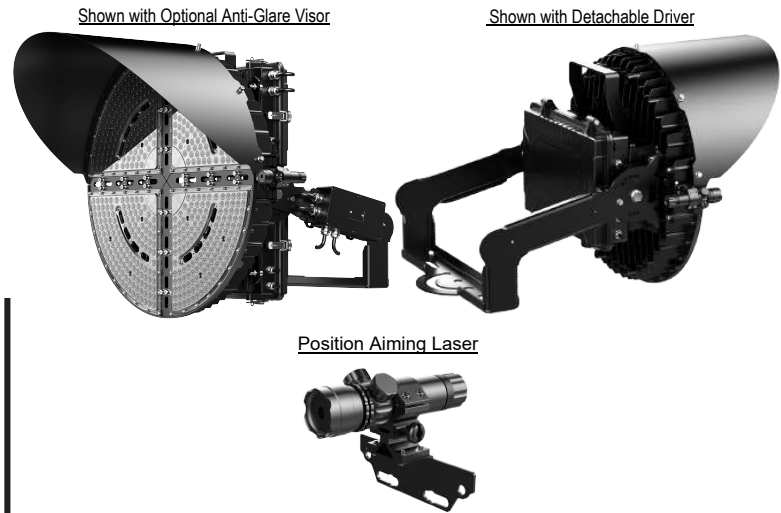
FME SDU Series LED luminaire provides 48,000 lumens @ 300W and 180,000 lumens @ 1,200W. Thermally efficient, cold forged aluminum housing in black finish with power supplies mounted away from LED heat source for superior cooling. UV rated powder coating. Stainless Steel support hardware. Wraparound polycarbonate lenses with internal reflectors provide uniform light distribution for LED chip packages. 50,000 hour operating life (L70). Available in 30 and 60 degree beam angle. Water tight wiring junction boxes for Input and Output connections. Glare shield is optional. Fixture can be operated with or without glare shield.

LEDs

FME SDU Series LED luminaires utilize high power Lumiled LEDs on conformal coated PCB boards.

ELECTRICAL

(2) Power supplies are available: 120-277V (A) and 277V-480V (B) Meanwell constant current drivers. Power factor is >0.9. Power supplies are mounted away from aluminum housing for cooler operation. Includes 10kV inline surge protection.

**TEMPERATURE**

Suitable for use in operation temperatures from -40° C to +50°C (-40°F to +122°F)

ACCESS / WIRING

Power supply Input and Output leads are connected inside easily accessible water tight splice boxes.

MOUNTING

Supports are designed to mount directly on Cross Arm Mount. Slip fitter and rotatable bracket are optional

LISTING

UL listed wet location, IP65 Rating. DLC

WARRANTY

5 year limited warranty, for information please contact factory.

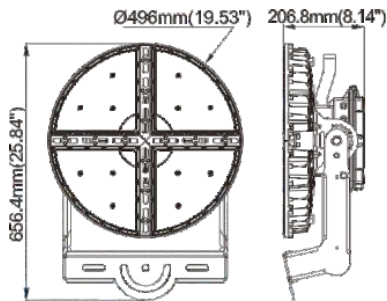
POWER CODITIONS

Clean power is required to ensure proper function and performance prior to installation. FME recommends installing a waveform correction technology device prior to installation.

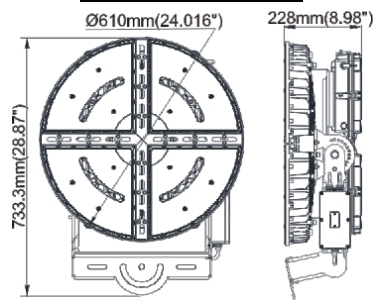
Model	Luminaire Watts	Color Temperature	Voltage	Beam Angle	Dimmable	Options & Accessories
SDU	30 = 300W 40 = 400W 50 = 500W 60 = 600W 70 = 700W 80 = 800W 10 = 1000W 12 = 1200W	S = 3000K I = 4000K C = 5000K	A = 120-277V B = 347-480V	15D = 15° PC Lens 30D = 30° PC Lens	1 = Dimmable 2 = Non Dimmable	FB = Forward Throw Bracket (STD) SF = Slip Fitter RB = Rotatable Bracket VS = Visor AM = Position Aiming Laser

DIMENSIONS

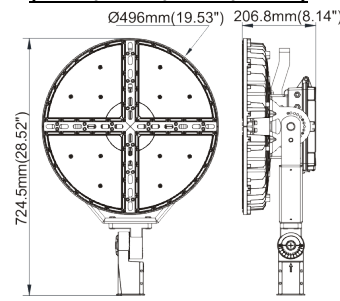
Forward Throw Bracket
(300W/400W/500W/600W)



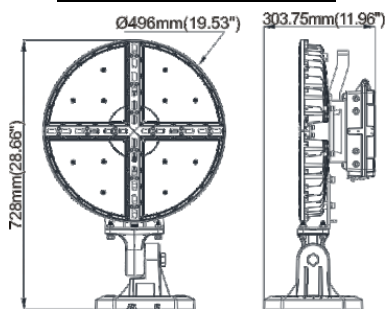
Forward Throw Bracket
(700W/800W/1000W)



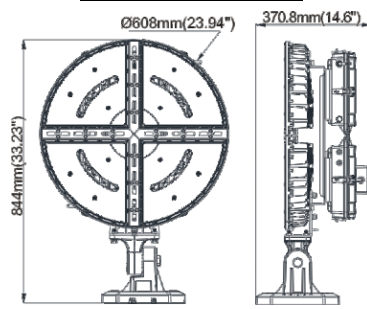
Slip Fitter Bracket
(300W/400W/500W/600W)



Rotatable Bracket
(300W/400W/500W/600W)

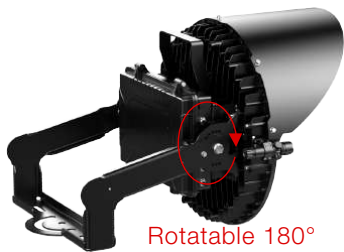


Rotatable Bracket
(700W/800W/1000W)



MOUNTING OPTIONS

Forward Throw Bracket (STD)



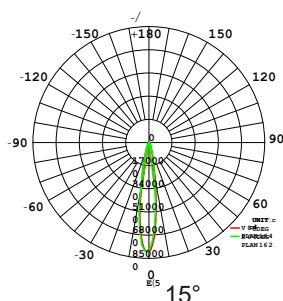
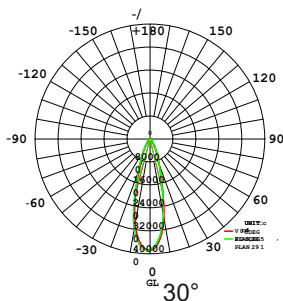
Rotatable Bracket



Slip Fitter Bracket



PHOTOMETRIC DATA



Model	Power	Efficacy	LEDs	CRI	Weight	Beam Angle
SDU30	300W	160lm/W @ 30° 120lm/W @ 15°	Lumileds 5050	> 70	18kg	30°/15°
SDU40	400W	160lm/W @ 30° 120lm/W @ 15°	Lumileds 5050	> 70	18kg	30°/15°
SDU50	500W	160lm/W @ 30° 120lm/W @ 15°	Lumileds 5050	> 70	18kg	30°/15°
SDU60	600W	160lm/W @ 30° 120lm/W @ 15°	Lumileds 5050	> 70	18kg	30°/15°
SDU70	700W	160lm/W @ 30° 120lm/W @ 15°	Lumileds 5050	> 70	30.5kg	30°/15°
SDU80	800W	155lm/W @ 30° 120lm/W @ 15°	Lumileds 5050	> 70	30.5kg	30°/15°
SDU10	1000W	155lm/W @ 30° 120lm/W @ 15°	Lumileds 5050	> 70	30.5kg	30°/15°