



THE  
**EVOLVE FALCON**  
PROFESSIONAL SERIES  
LED FLOODLIGHT

Designed with only the highest quality in mind, the Evolve Falcon floodlight series combines high-end components for efficiency, with superior build quality for reliability. High output Philips Lumiled LED Chips and Mean Well control gear ensures you will save on both energy and maintenance costs while meeting the highest performance standards. Using our custom beam profile to give a uniform photometric distribution, the Falcon puts the light precisely where it's needed and with an ultra high system efficacy of 120lm/W, there will be plenty of it.

The Falcon offers flexible design options including multiple beam profiles, colour temperatures, RGB colours and dimming. Along with an easy to install universal mounting bracket and angle adjustment makes installing the Falcon a breeze.



ETL DLC SAA C-TICK FCC ROHS CE

Benefits

- Excellent LED Performance with up to 65% energy savings
- The Falcon lasts more than 3x longer than conventional floodlights
- Multiple light distributions available in both asymmetrical and symmetrical profiles. Our custom wide beam profile reduces spill light by putting the light precisely where its needed.
- High quality Philips Lumiled LED chips and Mean Well Driver
- Zero maintenance, no need to relamp
- Replaces conventional floodlights up to 1500W

Features

- Ultra efficient system efficacy of 120lm/W
- 50,000 hours life to L70
- Dimmable and RGB models available
- IP65 and IK10 Rated

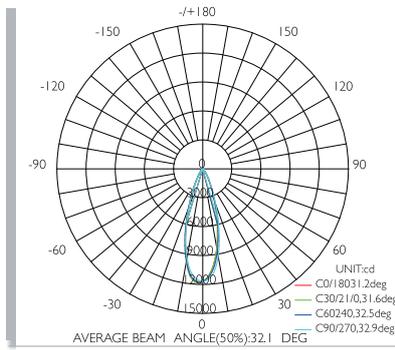
Applications

- Public spaces
- Industrial areas
- Car Parks
- Perimeters
- Yards
- Security areas
- Sports Application
- Building Uplighting
- Rural Applications

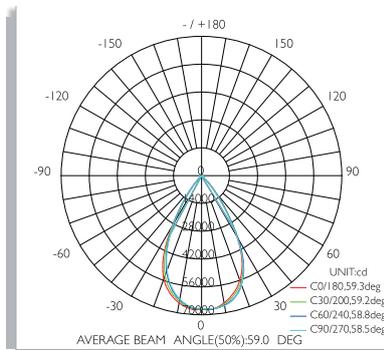
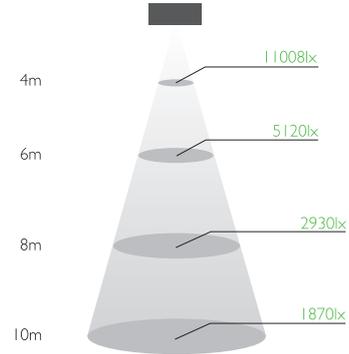
Specifications

TYPE	EVFLLM600 NW EVFLLM600 NW DIM EVFLLM600 RGB	LED JUNCTION TEMPERATURE	≤70°C (@ Ta=30°C)
LED QUANTITY	EVFLLM600 NW (720 PCS) EVFLLM600 NW DIM (720 PCS) EVFLLM600 RGB <b>R:240 pcs</b> <b>G:240 pcs</b> <b>B:240 pcs</b>	OPERATING TEMPERATURE RANGE	-30 to +45°C
LIGHT SOURCE	Philips LUXEON 3030 2D	DRIVER	Mean Well HLG-320H-36A HLG-320H-36B
POWER	600W	MAINS VOLTAGE	90-305V / 50-60 Hz 347-480V / 50-60 Hz
LED INITIAL LUMINOUS FLUX	72,000lm	INRUSH CURRENT	60 A / 415µs
LUMINAIRE EFFICACY	120lm/W	CONTROLS SYSTEM INPUT	DMX512
COLOUR TEMPERATURE	4000-7000 K (+/-300K)	DIMMING	1-10V PWM
RGB WAVELENGTH	<b>620-625nm</b> <b>526-530nm</b> <b>455-460nm</b>	MATERIALS	Housing: Aluminum Mounting bracket: Aluminum Option: Stainless Steel Heat sink: Aluminum Stents: High quality iron / Stainless steel Optic lens: Polycarbonate
COLOUR RENDERING INDEX	75	COATING	Powder coated (passed salt spray test)
BEAM ANGLE	30° / 60° / 60°x135° / 85°x135°	CONNECTION	Three core cable
OPTICS	Symmetric / Asymmetric	MAINTENANCE	Regular cleaning of surfaces
CLASSIFICATIONS	IP65; IK10; Class I; RoHS		

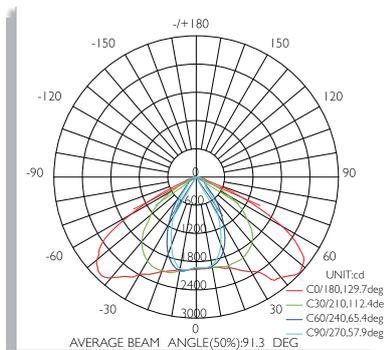
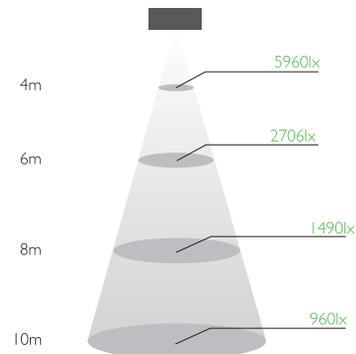
Product details



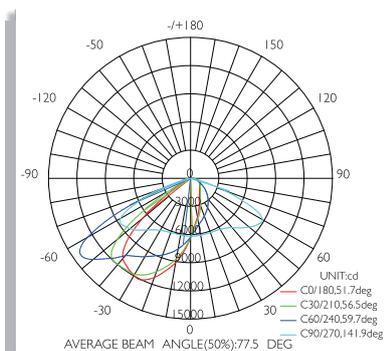
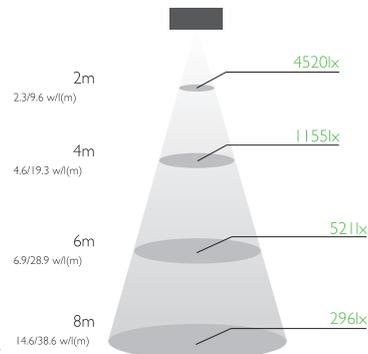
Beam Angle 30 x 30°



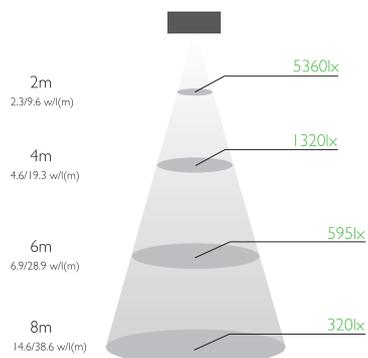
Beam Angle 60 x 60°



Beam Angle 60 x 135°



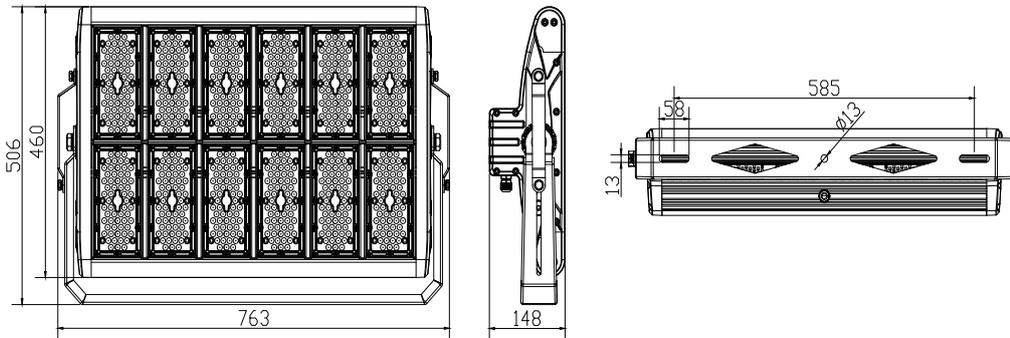
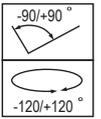
Beam Angle 85 x 135°



\* Test data with PHILIPS LUXEON 3030 LED at 5500-6000K

Dimensional drawings

- Please pay attention to the weight of the floodlight when mounting
- We suggest using M13 screws to fix
- We suggest mounting the fitting at 35°



Product details



Front view



Rear view



Side view, right



Side view, left



Angled rear view



Angled rear view showing cable entry.

Package

Model.	N.W	G.W	SIZE
EVFLLM600 NW	23.5 kg	25.5 kg	775 x 610 x 225 mm
EVFLLM600 NW DIM	23.7 kg	25.7 kg	

Model.	N.W	G.W	SIZE
EVFLLM600 RGB	23.5 kg	25.5 kg	775 x 610 x 225 mm

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