



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 250W

Features

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

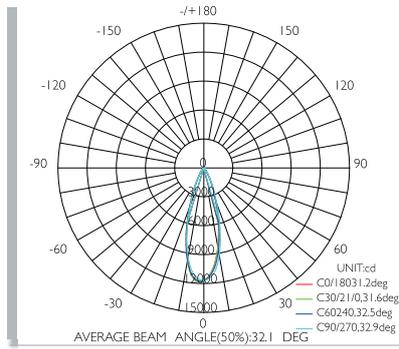
Applications

- Public spaces
- Industrial areas
- Car Parks
- Perimeters
- Signs / Billboards
- Security areas
- Sports Application
- Building Uplighting
- Rural Applications

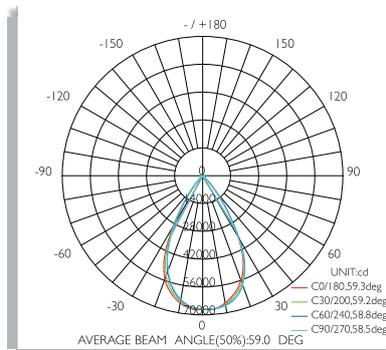
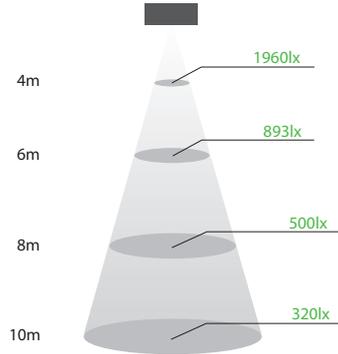
Specifications

TYPE	EVFLLM100 NW	LED JUNCTION TEMPERATURE	≤70°C (@ Ta=30°C)
	EVFLLM100 NW DIM		
	EVFLLM100 RGB		
LED QUANTITY	EVFLLM100 NW (120 PCS)	OPERATING TEMPERATURE RANGE	-30 to +45°C
	EVFLLM100 NW DIM (120 PCS)		
	EVFLLM100 RGB R:40 pcs		
	G:40 pcs		
	B:40 pcs	DRIVER	Mean Well
			ELG-100H-36A
LIGHT SOURCE	Philips LUXEON 3030 2D	MAINS VOLTAGE	90-305V / 50-60 Hz
			347-480V / 50-60 Hz
POWER	100W	INRUSH CURRENT	60 A / 850µs
LED INITIAL LUMINOUS FLUX	12000lm	CONTROLS SYSTEM INPUT	DMX512
LUMINAIRE EFFICACY	120lm/W	DIMMING	1-10V PWM / Zigbee
COLOUR TEMPERATURE	4000-7000 K (+/-300K)	MATERIALS	Housing: Aluminum
RGB WAVELENGTH	620-625nm 526-530nm 455-460nm		Mounting bracket: Aluminum
COLOUR RENDERING INDEX	75		Option: Stainless Steel
BEAM ANGLE	30° / 60° / 60°x135° / 85°x135°		Heat sink: Aluminum
OPTICS	Symmetric / Asymmetric	Stents: High quality iron / Stainless steel	Optic lens: Polycarbonate
CLASSIFICATIONS	IP65; IK10; Class I; RoHS	COATING	Powder coated (passed salt spray test)
		CONNECTION	Three core cable
		MAINTENANCE	Regular cleaning of surfaces

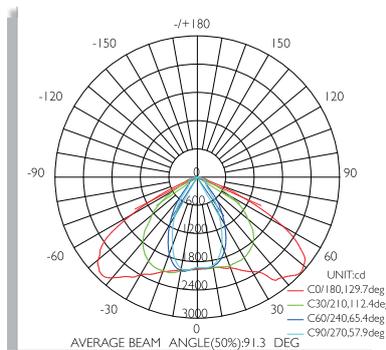
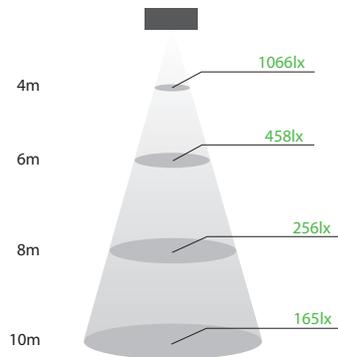
Product details



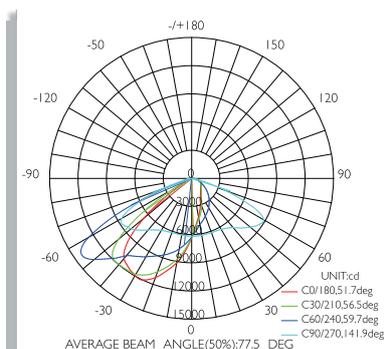
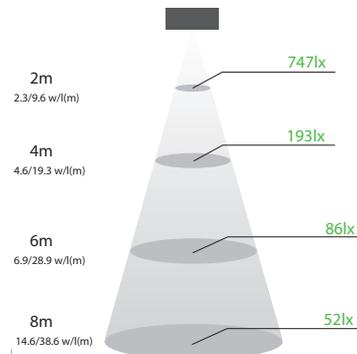
Beam Angle 30 x 30°



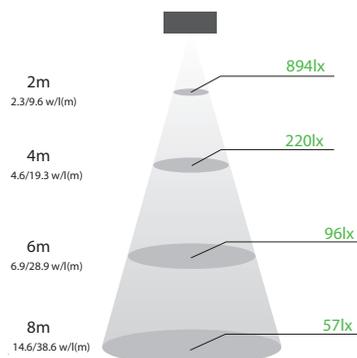
Beam Angle 60 x 60°



Beam Angle 60 x 135°



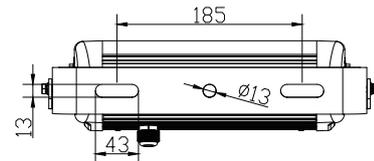
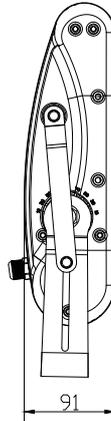
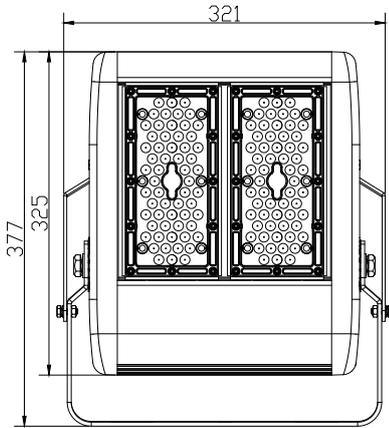
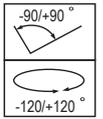
Beam Angle 85 x 135°



* 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



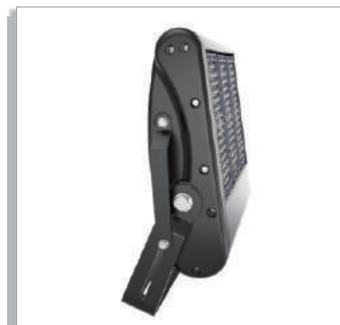
Front view



Rear view



Side view, right



Side view, left



Angled rear view



Angled rear view showing cable entry.

Package

Model.	N.W	G.W	SIZE
EVFLLM100 NW	4.5 kg	6.6 kg	460 x 403 x 170 mm
EVFLLM100 NW DIM	4.6 kg	6.7 kg	

Model.	N.W	G.W	SIZE
EVFLLM100 RGB	4.5 kg	6.6 kg	460 x 403 x 170 mm

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