

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 Lumileds LED Chips and Mean Well control gear ensures you will save on both energy and maintenance costs while meeting the highest performance standards.

- Ultra efficient system efficacy of up to 130lm/W
- 50,000 hours life to L70
- Available from 100W - 600W
- Multiple beam profiles stocked
- Suitable for coastal areas
- High quality Philips Lumileds LED chips and Mean Well Driver
- 316 Stainless Steel bracket available



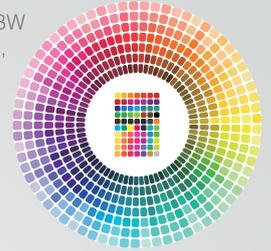
Excellent cooling performance

The Falcon has been designed with cooling in mind. Our modular design allows for efficient cooling via convection through the structures ventilation and to ensure the complete system life is maximised we housed the Mean Well driver in a separate chamber away from critical LED components.

Flexible design options

The Falcon offers flexible design options including 5 different stacked beam profiles including symmetric and asymmetric and multiple colour temperatures ranging from 2500K to 6500K.

Other options include RGBW colours, single colours, dimming and the colour options of black or white.



Custom wide beam profile

The Falcon comes standard with an asymmetric wide beam profile for improved coverage and reduced light spill.



Built to last



To ensure the Falcon will survive even the toughest of conditions we constructed it out of a low copper content aluminium alloy and coated it with a high performance pure epoxy anti-corrosion protective coating. For extra protection make sure to combine it with our 316 stainless steel bracket.

From small projects to large, we have you covered

The Falcon offers a large range of wattages giving you maximum flexibility when designing the smallest project to the largest. By using quality components we are able to achieve up to 130lm/W throughout the range topping out at a massive 78,000 lumens.

Easy Installation

Universal mounting bracket and angle adjustment dial makes installing the Falcon a breeze.



FALCON PROFESSIONAL SERIES LED FLOODLIGHT



100W LED FALCON

Replaces a 250W Metal Halide Floodlight

PRODUCT CODE	EVFLLM100 NW
WATTAGE	100W
RATED LUMINANCE	13,000lm
LUMINAIRE EFFICACY	130lm/W



150W LED FALCON

Replaces a 400W Metal Halide Floodlight

PRODUCT CODE	EVFLLM150 NW
WATTAGE	150W
RATED LUMINANCE	19,500lm
LUMINAIRE EFFICACY	130lm/W



200W LED FALCON

PRODUCT CODE	EVFLLM200 NW
WATTAGE	200W
RATED LUMINANCE	26,000lm
LUMINAIRE EFFICACY	130lm/W



250W LED FALCON

PRODUCT CODE	EVFLLM250 NW
WATTAGE	250W
RATED LUMINANCE	32,500lm
LUMINAIRE EFFICACY	130lm/W



300W LED FALCON

Replaces a 750W Metal Halide Floodlight

PRODUCT CODE	EVFLLM300 NW
WATTAGE	300W
RATED LUMINANCE	39,000lm
LUMINAIRE EFFICACY	130lm/W



400W LED FALCON

Replaces a 1,000W Metal Halide Floodlight

PRODUCT CODE	EVFLLM400 NW
WATTAGE	400W
RATED LUMINANCE	52,000lm
LUMINAIRE EFFICACY	130lm/W



500W LED FALCON

PRODUCT CODE	EVFLLM500 NW
WATTAGE	500W
RATED LUMINANCE	65,000lm
LUMINAIRE EFFICACY	130lm/W



600W LED FALCON

Replaces a 1,500W Metal Halide Floodlight

PRODUCT CODE	EVFLLM600 NW
WATTAGE	600W
RATED LUMINANCE	78,000lm
LUMINAIRE EFFICACY	130lm/W

SPECIFICATIONS

LIGHT SOURCE:

Philips Lumileds 3030 2D

COLOUR TEMPERATURE:

5000K (NW)

COLOUR RENDERING INDEX:

≥ 80

LIFE SPAN:

50,000hrs

BEAM ANGLE:

85° x 135° (standard) see options for more angles

OPTICS:

Asymmetric / Symmetric

CLASSIFICATIONS:

IP67; IK10; Class I; RoHS

CONNECTION:

1.2m Three core cable

DRIVER:

Mean Well ELG/HLG Series

MAINS VOLTAGE:

90-305V / 50/60 Hz

OPERATING TEMPERATURE RANGE:

-30 to +45°C

MATERIALS:

Housing: Aluminium

Optic lens: Polycarbonate

Mounting Bracket: Iron

Option: 316 Stainless Steel

COATING:

Pure epoxy anti-corrosion protective coating

CERTIFICATIONS:

SAA / LM79 / LM80

COLOUR OPTIONS

(Indent only, call us for pricing and lead times)

3000K	(product code) WW
4000K	(product code) CW
5000K (STANDARD)	(product code) NW
6000K	(product code) DW
RGBW	(product code) RGBW
PURE RED	(product code) RED
PURE BLUE	(product code) BLU
PURE GREEN	(product code) GRN

BEAM ANGLE OPTIONS

(Stocked, call us for pricing and lead times)

30° BEAM ANGLE	B30
60° BEAM ANGLE	B60
90° BEAM ANGLE	B90
60° X 135° BEAM ANGLE	B60 X 135
85° X 135° BEAM ANGLE	STANDARD

ACCESSORIES

316 STAINLESS STEEL BRACKET SSBACKET (wattage)



SERVICE & SUPPORT

If you have any questions about the Evolve Falcon professional floodlight series please contact a member of our support team.

CUSTOMER SERVICE

0800 357 6311

VISIT OUR WEBSITE

www.evolve-lighting.co.nz



PRODUCT CODE ORDERING GUIDE

Our stocked product comes standard with 5000K, 60°x135° beam angle and the body is black. If you would like any changes to that differs from the standard please use the below guide.

PRODUCT CODE	COLOUR TEMP	BEAM ANGLE	BODY COLOUR
EVFLLM100	WW	B30	White
EVFLLM150	CW	B60	
EVFLLM200	NW	B90	
EVFLLM250	DW	B60 X 135	
EVFLLM300	RGBW		
EVFLLM400	RED		
EVFLLM500	BLU		
EVFLLM600	GRN		

Example - An order for a 300W Falcon in 6000K with a 60 degree beam angle would look like this:

EVFLLM300 DW B60 - = EVFLLM300 DW B60

EVOLVE LED FLOODLIGHT REPLACEMENT CHART



LED FALCON

50,000 HRS	
100W	=
150W	=
200W	=
250W	=
300W	=
400W	=
500W	=
600W	=



GEN 1 JNR

35,000 hrs
150W
200W



METAL HALIDE

12,000 hrs
320W
400W
750W
1000W
1500W



HALOGEN

1,000 - 2,000 hrs
1500W