

Armadillo LED - Evolution In Lighting

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Wobbegong LED™ Car Park Lighting



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Wobbegong LED™ Car Park Lighting

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Easy Assembly on 60mm dia arm

Dusk till dawn Light sensor UL LISTED (optional)

- IP67 and IK10 Rated
- Die-casting aluminum housing
- 5mm ultra-clear tempered glass
- Silicon gasket
- Stainless steel bolts
- Highly polished aluminum reflector
- Circular symmetrical or 70/30 asymmetrical light distribution

Optical specification:

Colour Temp.	4000K (Optional: 5000K)
Colour Render Index	>80CRI
Operating temp.	-40°C ~ +50°C
L90 F10	100,000hrs

Electrical Specification:

Input voltage:	120~277V 50/60Hz (Option: 347~480V 50/60Hz)
Power Factor:	>0.95
Dimming:	1-10V, DALI

Components and materials:

LED Light source:	CREE XP-G3 Series
Power supply:	Extended voltage Mean Well HLH Series
Housing:	Die cast aluminium
Heatsink:	Built In Thermal Management
Optic Lens:	PMMA
IP rating:	IP67 (BS EN 60529)
IK rating:	IK10 (BS EN 62262)

Ease of install and application, fit and forget. Simple scaling for the correct light levels by height, design and regulation, ArmadilloLED have a modularised approach to suit every lighting criteria, to maximise light energy efficiencies.

Enhanced optics and use of the latest CREE XP-G3 range of high output LED chips delivers, at last, a genuine cost effective LED Lighting solution. Additional control for the range can be delivered with integrated photocell and dimming, a class leading design from one of the UK's top LED lighting manufacturers.

Key Features and Benefits:

Mechanical structure and thermal management
Unique modern design available in any RAL colour on request
Easy assembly, easy installation, and low maintenance.

Electrical and optics

Wide wattage options – From 30W up to 120W
Circular symmetrical or 70/30 asymmetrical light distribution

- 4000k Kelvin colour temperature as standard
- Choose from input voltage solutions – 120~277Vac, 220~240Vac, 347-480Vac.
- Optional UNIQUE 480V+ Single / Three Phase Voltage protection (switch-off to stand by - 15 sec. restart mode)

LED technology with higher system efficacy achieving up to 60% or more energy savings than typical conventional HPS lighting solutions.

UL Listed interface for the NEMA photoelectric control unit (PECU).

Top assured safety and performance - UL E364004, FCC, CSA, TUV-GS CE, CB, RoHS, LM-79, LM-80 High

reliability and high performance LED light source and LED power supply.

10 Years standard warranty as standard for complete luminaire

Technical Parameters

Optics & Photometrics

LED Color Temperature	4000k as standard (Optional: 5000K)
Color Rendering Index	Ra>80
Lamp Housing body colour	Grey, White or Black as standard. Other colours also available*

Electrical

Input Voltage	120~200~240~277V 50/60Hz	(Option: 347~480V 50/60Hz)
Power Factor	>0.95	
Power Supply	CREE XP-G3 Series LEDs + Meanwell LED Driver	

	LEDs	Lumen	System Wattage	lm/W
Single Module				
Wobbegong 30W - 16 LEDS	16	3700	30	124.2
Wobbegong 40W - 20 LEDS	20	5050	40	126.6
Wobbegong 50W - 24 LEDS	24	6500	50	131.7
Wobbegong 60W - 28 LEDS	28	7650	60	128.3
Wobbegong 70W - 32 LEDS	32	8900	70	127.5
Wobbegong 80W - 36 LEDS	36	10100	80	126.9
Wobbegong 100W - 48 LEDS	48	13100	100	131.7
Wobbegong 120W - 56 LEDS	56	15900	120	132.5

Other

Operating Temperature & Humidity:	-40°C ~ +50°C/10~95RH
Classification:	IP67, Class I.
L90F10 hours @ 25°C:	100,000hrs

Main components

CREE XP-G3 Series LEDs + Meanwell LED Driver
Die cast aluminium alloy housing
Over Voltage protected (Options: Strike Voltage 480V Single phase protect)
Additional SPD with 10 year Warranty. Imax: 10kA - Vmax: 20kV

Product Images and Dimensions

