

# LinkEx™ LED Floodlite

Zones: 1, 2, 21 and 22



## Product Overview

The LinkEx™ LED Floodlite is a high performance, lightweight, portable floodlight for use in temporary applications in potentially explosive atmospheres. Using an array of high output and efficiency LEDs, it gives an excellent flood of brilliant white light and is CE marked to the ATEX Directive and IECEx Certified for safe use in Zone 1 potentially explosive gas and Zone 21 explosive dust atmospheres, where a T4 temperature class permits.

Delivering an impressive flood of light from 48 high power LEDs, the Floodlite has an output of 3,300 lumens, equivalent to a 200w halogen incandescent lamp. It has significantly lower power consumption at 58 watts, and runs at a lower temperature, eliminating the risk of burns when handling. Supplied with collimating optics delivering a piercing 30° 'medium' flood of light, the LED light sources have an inherently greater robustness than fragile filament lamps, plus with an estimated life of up to 100,000 hours it is a very low maintenance, highly reliable unit.

The Floodlite is cable powered, runs with voltages of 100 to 254V AC or 24 AC/DC, supplied with 10 metres of SY cable and fitted with an ATEX plug. For mains voltages it can also be fitted with an ATEX socket allowing setup of multiple lights. The robust marine grade aluminium enclosure with corrosion resisting coating is designed to withstand the rigours of harsh environments. The lens has a replaceable impact-resistant polycarbonate transparent cover, which can be protected using a disposable anti-static lens film. The Floodlite is sealed dust tight and protected from water immersion with a certified IP66/67 enclosure.

Supplied with a stainless steel bridle for pivot angle adjustment and bolted to a stainless steel stand for protection, the lamp can easily be detached and bolted to magnet fixings or a tripod stand, making it a truly versatile solution for hazardous areas activities.



## Features & Benefits

- ATEX Directive compliant and IECEx Scheme certified
- For use in Zones 1 & 2 Gas and Dust atmospheres
- Ultra bright high power LED light output
- Medium or wide angle flood beams
- Wide voltage range 24V- 254V
- Small, lightweight floodlamp construction
- IP66/67 dust and watertight
- Supplied with stand and integral bridle
- Available with magnet mounting and tripod options
- Low operating surface temperature, no risk of burns
- Very low maintenance
- Lens protecting films available for blasting and painting applications

## Certifications



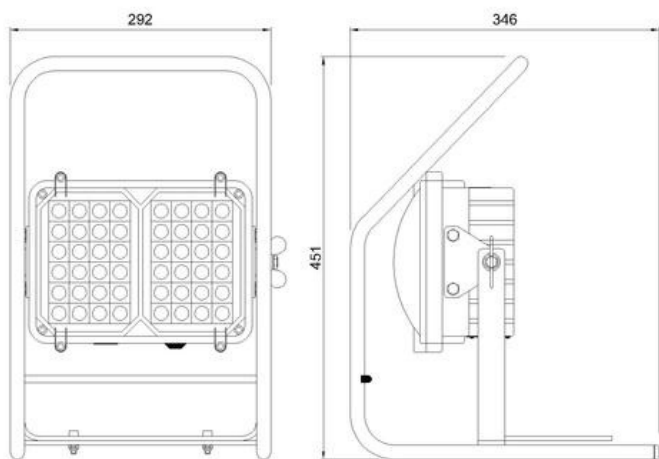
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# Technical Specification

Product Reference		WF-300
Product Description		ATEX LED Floodlite
Code		II 2 GD Ex emb IIC T4 Gb Ex t IIIC T103°C Db IP66/67 (Tamb= 50° C)
Equipment Category		2GD
Type of Protection		"e" increased safety, 'mb' encapsulation, 't' enclosure protection
Area of Classification (Gas)		Zones 1 and 2, Gas Groups IIA, IIB and IIC
Temp. Classification		T4
Area of Classification (Dust)		Zones 21 and 22, Dust Groups IIIA, IIIB and IIIC
Max Surface Temp (Dust)		T103° C
Ambient Temperature		-20° C to +50° C
Certificate		SIRA10ATEX5117X IECEXSIR10.0016X
Enclosure		Marine grade aluminium alloy, epoxy powder coated
Lens		Polycarbonate
Beam Type		Medium Flood (Wide Flood Available)
Light Source:	Type	48 x White High Power LEDs
	Life	100,000+ hrs
	Power	58w
	Output	3300 lm
Voltage		24V AC/DC +/- 10%  100-254V AC +/- 10%
Weight		9.0kg (excluding cable)
Ingress Protection		IP66/67
Accessories		Supplied with bridle and lamp stand

- All information has been gathered under laboratory conditions, the user must regard the values given as approximate.
- Changes may be made to the above specification without notification, details are available on request.

## Product Dimensions

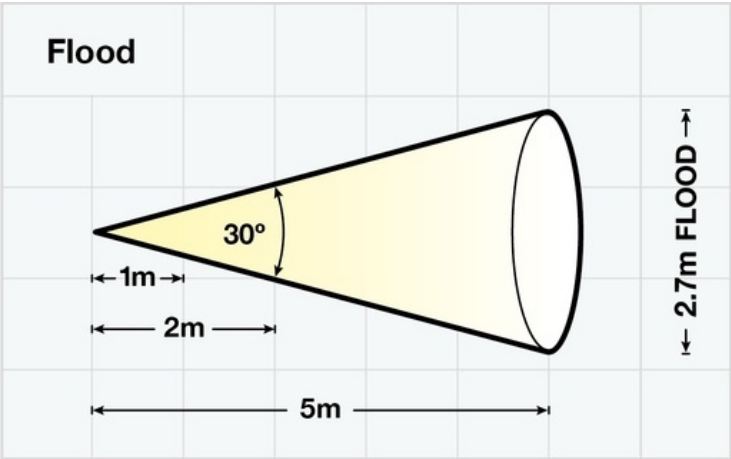


## Light Output

### Medium Flood (30°) (as per Light Output Diagram)

Light intensity at 1m 7800 lux, 2m 1927 lux, 5m 341 lux

### Wide Flood (50°)



Version: SL025 Issue 4



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