



SOLAS

Ex db LED Floodlight

The unique characteristics of the **Solas** offers a versatile luminaire with 100% output in emergency mode. Built in marine grade aluminium this robust luminaire is suitable for the harshest of global environments.

Utilising ultra bright LED's the Solas produces a more focused light well suited to illuminating safety critical areas in an emergency situation. A manually operated remote inhibition facility is available on all emergency versions. With a self contained battery, it can be used for backup emergency lighting in maintained or non-maintained modes.



Mounting Options

Floodlight. Pendant. High Bay. Emergency. Pole/Column.

Standard Specification

Solas Ex db LED Floodlight

Type of Protection	Ex db eb (Flameproof, Increased Safety) Ex tb (Dust Protected Enclosure)
ATEX Classification	Group II Category 2 GD
Area Classification	Zone 1 and Zone 2 areas to EN 60079-10 with installation to EN 60079-14
Certificate	EU Type Examination Certificate Baseefa11ATEX0090 IECEX Certificate of Conformity IECEX BAS11.0047
Coding	Ex db eb IIB T5 Gb Ex tb IIIC T100°C Db IP6X
Enclosure	Aluminium alloy LM6. Toughened glass window. All fastenings 316 stainless steel
Entry	2x M20 cable entries - Non-emergency: looping for 4mm ² cable Emergency: single entry only for 4mm ² cable
Termination	4 core 4mm ² max.
Installation	Stirrup mounting bracket
Control Gear	Electronic Driver
Colour Temperature (CCT)	5000K (Cool White)
Colour Rendering Index (Ra)	>70
Maintenance	M10 SKT HD Screws
Battery	Internal Ni-Cd (21.6V) [Emergency only]
Emergency Duration	90 minutes (100% output) - Maintained as standard
Ingress Protection	IP66/67 to EN 60529
Surge Protection	4kV
Electrical Supply	220-254V AC 50/60Hz

Features

- ◆ Highly **Energy Efficient**
- ◆ **Emergency** inhibition
- ◆ **Ex e** terminal chamber
- ◆ **Low** ambient temperatures
- ◆ Comparable with **100W HPS floodlight**
- ◆ **Non-Maintained** or **Maintained** modes
- ◆ No re-lamping required - **over 80,000 hours** continuous operation



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Std. Cat No.	Delivered Output	Power Consumption	Tclass	T °C (Dust)	Ambient °C	Weight
SOLD/034/LE	6057 lm	62W	T5	100	-55 to +55	24.0kg
SOLD/034/LE/EM	6057 lm	75W	T5	100	-20 to +45	29.0kg

Options - Suffix to Catalogue No.

/M25	M25 Cable Entries	/3H	3 hour battery duration (50% output)
/P	Marine grade polyester paint coating (RAL 7043)	/SC	Screwed connections • Non emergency version: looping for up to 6mm ² cable • Non maintained emergency: single entry only for up to 6mm ² cable ¹ • Maintained emergency version: screwed connections not available
/N	Narrow beam		
/NM	Non maintained Emergency (Ambient becomes -20°C to +55°C, with 12W power cons.)		
/LT	Low temperature to -55°C (Emergency)		
/120	110-130V AC Supply		

Accessories *Accessories should be ordered separately*

Order Code

Wire Guard	S2610-0005
Pole Mounting Bracket (42-64mm diameter poles)	S2400-0002

Remote switches are available upon request, please contact Chalmit® sales.

