



NexLED III

Ex ec LED Bulkhead

The **NexLED III** delivers an instant bright white light, with a variety of output options. Designed for use in Zone 2 areas, it's low profile form allows the bulkhead to be mounted on walls, ceilings or along walkways, making it a universal solution on site.

The emergency version benefits from the same features as the standard NexLED, but provides effective illumination off the integral battery to ensure safe egress in the event of a power outage. This comes with a 3 hour duration in Emergency mode, and automatic self test functionality.



Mounting Options

Ceiling. Wall. Recessed. Pole/Stanchion. Bulkhead.

Standard Specification

NexLED III Ex ec LED Bulkhead

Type of Protection	Ex ec (Increased Safety) Ex tc (Dust Protected Enclosure)
Protection Standards	EN/IEC 60079-0, EN/IEC 60079-7, EN/IEC 60079-31
ATEX Classification	Group II Category 3 GD
Area Classification	Zone 2 and Zone 22 areas to EN/IEC 60079-10-1 and EN/IEC 60079-10-2
Certificate	Type Examination Certificate CML20ATEX3047 IECEX Certificate of Conformity IECEX CML20.0005
Coding	Ex ec IICT5 Gc Ex tc IIIC T67°C Dc
Enclosure	Aluminium LM6 body, RAL-9005 black epoxy polyester paint finish with toughened glass and silicone gasket
Geartray	Aluminium
Entry	3 x M20 cable entries
Termination	3 core 4mm ² max conductor with looping [4 core on Emergency]
Installation	Surface mounted, 4 mounting holes located outside of seal
Control Gear	Electronic Driver
Colour Temperature (CCT)	4000K (Neutral White)
Colour Rendering Index (Ra)	>80
Maintenance	M6 Slotted Screws
LED Lifetime @ 50°C Ambient	L70 > 133,000hours
System Life @ Ambient	>100,000hrs @ 25°C [excluding battery]
Battery	Internal NiMH (4.8V) [Emergency only]
Emergency Duration	3 Hours (500lm min. output)
Impact Protection	IK09
Ingress Protection	IP66/67 to EN 60529
Surge Protection	4kV (02L and 04L version); 1kV (01L version)
Electrical Supply	120-277V AC 50/60HZ; 127-300V DC 220-240V AC 50/60Hz [Emergency only]

Features

- ◆ Highly **Energy Efficient**
- ◆ **Highly visible**, instant light
- ◆ **Easy** to install and maintain
- ◆ **Battery management** and automatic self test
- ◆ System life **>100,000hrs at 25°C**
- ◆ Over **60,000 hours*** continuous operation

Std. Cat No.	Delivered Output	Power Consumption	Tclass	T°C (Dust)	Ambient °C	Weight
NL3C/01L/LE	1187 lm	10W	T5	67	-40 to +50	3.4kg
NL3C/02L/LE	2245 lm	19W	T5	67	-40 to +50	3.6kg
NL3C/04L/LE	3872 lm	31W	T5	67	-40 to +50	3.7kg
NL3C/01L/LE/EM	1187 lm	11W	T5	67	-20 to +45	3.7kg
NL3C/02L/LE/EM	2245 lm	20W	T5	67	-20 to +45	3.9kg
NL3C/04L/LE/EM	3872 lm	32W	T5	67	-20 to +45	4.0kg

Options - Suffix to Catalogue No.

/OD	Internal opal diffusers (approx. 25% reduction in output; EM max ambient reduces to +45°C)	/5K	5000K (Cool White) LED strips
/NM	Non-maintained (01L only, with 4W power consumption)	/NST	Non self test inverter (EM only)

Accessories *Accessories should be ordered separately*

Order Code

Standard Exit Sign Kit (supplied with up, down, left and right labels*)	SNEL1-0008
Canadian Exit Sign Kit (supplied with up, down, left and right labels*)	SNEL1-100272

* Refer to NexLED Exit Kit for further information. Other signage options available upon request, please contact Chalmit Internal sales.

