



# **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.









International Approvals \_

#### **Mounting Options**

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

### Standard Specification

NexLED III Ex ec LED Bulkhead

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  Type Examination Certificate CML20ATEX3047  IECEx Certificate of Conformity IECEx CML20.0005  UK Type Examination Certificate CML 21UKEX3512  Coding Ex ec IIC T5 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 4mm² 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 6 50°C Ambient L70 > 133,000hours  System Life Ambient >100,000hrs 6 25°C (excluding battery)  Battery Internal NiMH (4.8V) (Emergency only)  Emergency Duration IK09  Impact Protection IK09  Surge Protection   14K9 (2L and 04L version); IkV (01L version)  Electrical Supply   120-277V AC 50/60Hz; 127-300V DC 220-240V AC 50/60Hz [Emergency only]		
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 Type Examination Certificate CML20ATEX3047 IECEX Certificate of Conformity IECEX CML20.0005 UK Type Examination Certificate CML20ATEX3047 IECEX Certificate of Conformity IECEX CML20.0005 UK Type Examination Certificate CML20IAEX3512  Coding Ex ec IIC T5 Gc Ex tc IIIC T67°C Dc  Enclosure Aluminium LM6 body, RAL-9005 black epoxy polyester paint finish with toughened glass and silicone gasket silicone gasket  Geartray Aluminium  Entry 3 x M20 cable entries Termination 3 core 4mm² 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); IkV (01L version)	Type of Protection	Ex ec (Increased Safety) Ex tc (Dust Protected Enclosure)
Area Classification  Zone 2 and Zone 22 areas to EN/IEC 60079-10-1 and EN/IEC 60079-10-2  Type Examination Certificate CML20ATEX3047 IECEX Certificate of Conformity IECEX CML20.0005 UK Type Examination Certificate CML21UKEX3512  Coding  Ex ec IIC T5 Gc Ex to 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 4mm² max conductor with looping [4 core on Emergency]  Installation  Surface mounted, 4 mounting holes located outside of seal  Control Gear  Colour Temperature (CCT)  4000K (Neutral White)  Colour Rendering Index (Ra)  80  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  IR66/67 to EN 60529  Surge Protection  4kV (O2L and O4L version); IkV (O1L version)	Protection Standards	EN/IEC 60079-0, EN/IEC 60079-7, EN/IEC 60079-31
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Coding Ex ec IIC T5 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 4mm² 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 > 133,000 hours  System Life @ Ambient >100,000 hrs @ 25°C [excluding battery]  Battery Internal NiMH (4.8V) [Emergency only]  Emergency Duration 3 Hours (500 lm min. output)  Impact Protection IP66/67 to EN 60529  Surge Protection 4kV (02L and 04L version); IkV (01L version)	Area Classification	Zone 2 and Zone 22 areas to EN/IEC 60079-10-1 and EN/IEC 60079-10-2
Enclosure  Aluminium LM6 body, RAL-9005 black epoxy polyester paint finish with toughened glass and silicone gasket  Aluminium  Entry  Aluminium  S x M20 cable entries  Termination  S core 4mm² 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)  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  Je6/67 to EN 60529  Surge Protection  4kV (02L and 04L version); lkV (01L version)	Certificate	IECEx Certificate of Conformity IECEx CML20.0005
silicone gasket  Geartray Aluminium  Entry 3 x M20 cable entries  Termination 3 core 4mm² 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 4kV (O2L and O4L version); 1kV (O1L version)	Coding	Ex ec IIC T5 Gc Ex tc IIIC T67°C Dc
Entry 3 x M2O cable entries  Termination 3 core 4mm² 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 a Ambient >100,000hrs a 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 (O2L and O4L version); 1kV (O1L version)	Enclosure	
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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)	Entry	3 x M20 cable entries
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Surge Protection 4kV (O2L and O4L version); 1kV (O1L version)	Impact Protection	IK09
	Ingress Protection	IP66/67 to EN 60529
<b>Electrical Supply</b> 120-277V AC 50/60HZ; 127-300V DC 220-240V AC 50/60HZ [Emergency only]	Surge Protection	4kV (02L and 04L version); 1kV (01L version)
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## **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

Std. Cat No.	Delivered Output	Power Consumption	Tclass	T °C (Dust)	Ambient °C	Weight
NL3C/01L/LE/24*	816 lm	5W	Т6	53	-15 to +50	3Kg
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

<sup>\*</sup> Suitable for 24V DC supply only

Options - Suffix to Catalogue No.					
/OD	Internal opal diffusers (approx. 25% reduction in output; EM max ambient reduces to $\pm 45^{\circ}\text{C}$ )	/5K*	5000K (Cool White) LED strips		
/NM	Non-maintained (01L only, with 4W power consumption)	/NST	Non self test inverter (EM only)		

<sup>\*</sup> Alternative colour temperatures may be subject to Minimum Order Quantities

## Accessories Accessories should be ordered separately

Standard Exit Sign Kit (supplied with up, down, left and right labels\*)

Order Code

SNEL1-0008

SNEL1-100272

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







