NexLED

Ex e ib mb
ESCAPE ROUTE BULKHEAD

The NexLED bulkhead has been developed to provide optimum escape route illumination for stairwells and walkways with the use of green rather the standard white LEDs. The luminaire provides a bright green light that is in the peak response spectrum for the human eye. Research has shown that this green light output provides greater recognition and visibility in emergency situations where smoke and dust may be present.

Positioning the NexLED bulkhead at both the top and bottom of a stairwell, provides effective low level illumination required for emergency conditions in hazardous area installations. As the NexLED is an actual light source, it has many advantages over luminescent strips commonly used to highlight individual steps on a stairwell.

This compact unit is simple to install and its aluminium and toughened glass construction ensure durability. The use of LED technology makes the NexLED almost maintenance free providing over 60,000 hours of continuous operation.

This LED bulkhead luminaire is designed for use in Hazardous Areas. Certified for both Zone 1 and Industrial applications.

The NexLED is available as standard mains powered or with emergency battery backup and has an ambient range of -45°C to +55°C.

Where emergency lighting is required in ambient temperatures below -5°C, the NexLED is available with a heated battery compartment.

Standard Specification

Type of Protection	Ex e mb (Non-emergency) Ex e ib mb (Emergency)
ATEX Classification	Group II Category 2 GD
Area Classification	Zone 1 and Zone 21 areas to EN 60079-10-1 and EN 60079-10-2 with installation to EN 60079-14
Certificate	EC Type Examination Certificate Baseefa04ATEX0245 IEC Ex BAS09.0062
Coding	Ex II 2 GD Ex e ib mb IIC T4 Ex II 2 G Ex de IIC T4 (ATEX only)** Ex II 2 D T100°C (ATEX only)**
Enclosure	Aluminium alloy LM6 to BS 1490 (AC44100) with toughened glass and silicone gasket
Reflector	Brushed Aluminium
Entry	2 x M20 cable entries
Termination	4 core 4mm² max conductor with looping
Installation	Surface or handrail mounted, 4 mounting holes located outside of seal
Lamp Type	2 x 1W LEDs - Colour: Green 8 x 1W LEDs - Colour: Green
Control Gear	Electronic
Burning Position	Universal
Ingress Protection	IP66/67 to EN 60529
Emergency Duration	2W version - 3 hours 8W version - 90 minutes
Electrical Supply	110-254V AC/DC

Features

- Designed for escape route illumination
- Green LED version - peak response for human eye
- Highly visible, instant light
- No re-lamping required - over 60,000 hours* continuous operation
- Easy to install and maintain
- Very low power consumption
- 100% output in emergency mode (Up to 3 hours)
- Compatible with UPS systems

* 60,000 hours expected (L_{70}/B_{10})

International Approvals

ATEX and GOST

IECEx Compliant

Std. Cat No.	Wattage	Light Source	TClass	T°C (Dust)	Ambient °C	Weight
NELE/201/LE/GDE	2W	Light Emitting Diode	T4	100	-45 to +55	4.0kg
NELE/401/LE/GDE/24**	4W	Light Emitting Diode	T4	100	-45 to +55	4.1kg
NELE/801/LE/GDE	8W	Light Emitting Diode	T4	100	-45 to +55	4.1kg
NELE/201/LE/EM/GDE	2W	Light Emitting Diode	T4	100	-20 to +55	4.0kg
NELE/801/LE/EM/GDE	8W	Light Emitting Diode	T4	100	-20 to +55	4.1kg

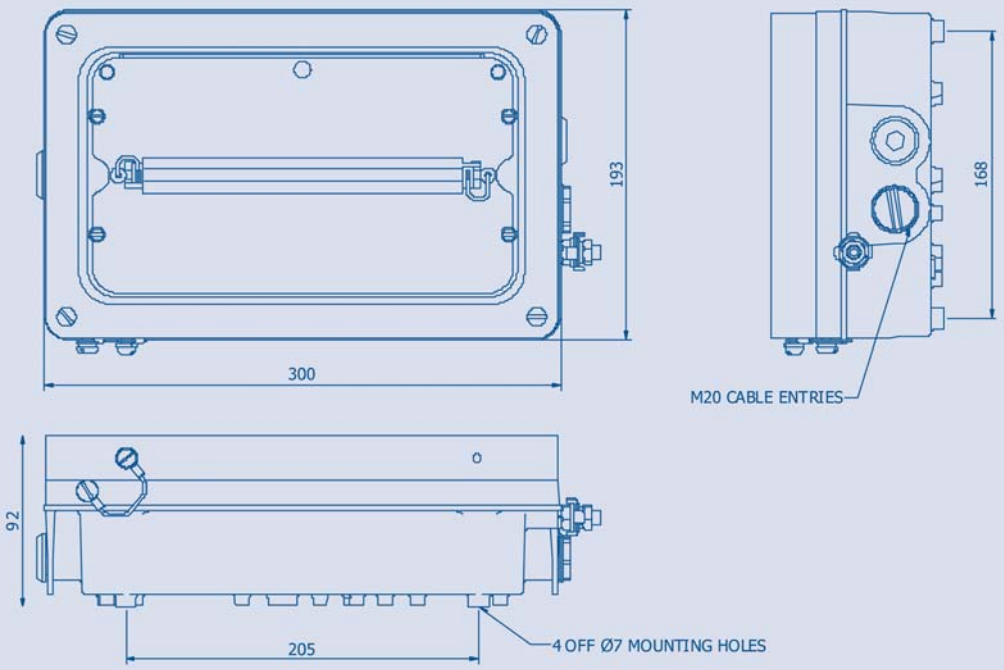
Note: ** 24V Supply is for ATEX only

Options – Suffix to Catalogue No.

/LT	Low temperature -45°C to +55°C

Applications

Harsh and low temperature environments • Localised lighting, low level lighting Escape route illumination
Stairwells, gantry and walkways • Process skids, cable tray areas • Gas Pumping stations
Marine void spaces with low overheads • Paint and solvent storage rooms



Accessories Should be ordered separately — Catalogue Order Code

Exit sign kit (supplied with - up, down, left and right labels*) **SNEL1-0008**

* Other signage options available upon request, please contact technical sales (techsupport@chalmit.com)

Product design and specifications are subject to change without notice, please check the Chalmit® website for latest specifications.