

9 Series Ex eb mb op is LED Luminaire

Zones: **1** **2** **22** Cat: **2**



High efficiency LED luminaire suitable for zone 1 hazardous area applications in both standard and emergency formats and a range of sizes from 2-5ft with light output up to 10,000 Lumens.

Manufactured from heavy duty aluminium extrusion with polycarbonate end caps and diffuser. The three hour duration emergency models are fitted with integral batteries and charger units. Access to gear tray is via a single point locking mechanism and mounting is enabled using “quick fit” T bolts in a channel for maximum flexibility. The modern styling of this extremely rigid and robust luminaire allows unobtrusive use for both internal and external applications.



- ✓ Low maintenance high efficiency LED light source
- ✓ Standard and emergency variants
- ✓ Class leading light output
- ✓ Variable mounting centres
- ✓ 2' 4' and 5' versions
- ✓ Captive diffuser with isolation switch for safe installation and maintenance
- ✓ Anodised corrosion resistant aluminium body with high impact polycarbonate diffuser

Specifications & Options



Label Marking	Ex eb mb op is IIC Gb T4 Ex tc op is T86°C IIIB Dc	Certificate No.s	CML 16ATEX3397X CML 17ATEX3049X IECEX CML 16.0149X
Zoned areas	Zones 1, 2 & 22	IP rating	IP65 to EN60529
Ambient range (max)	-20°C to +55°C		
Material	Anodised corrosion resistant aluminium body with high impact polycarbonate diffuser. UV resistant.		
Cable entries	4 x M20 iso (3 plugged) as standard		
Electrical connections	3 wire and earth cable size 4mm ² max. Through wiring versions available		
Light source	High efficiency LED		
Light output	Various ranging from 4000lm-10,000lm		
Supply voltage (s)	110-240V , 50/60Hz		
Installation / Mounting	2 x M8 quick fit bolts (supplied) for variable mounting centres.		
Control gear	Electronic Driver		
Dimensions	Size 2 760mm x 193mm, size 4 1365mm x 193mm, size 5 1665mm x 193mm		
Weight	Size 2 7kg, size 4 11.2kg, size5 13kg		

**We offer
a lighting
design
service**



**THORNE &
DERRICK
INTERNATIONAL**

Thorne & Derrick
+44 (0) 191 410 4292
www.powerandcables.com

Date 11 January 2019 | Subject to technical changes

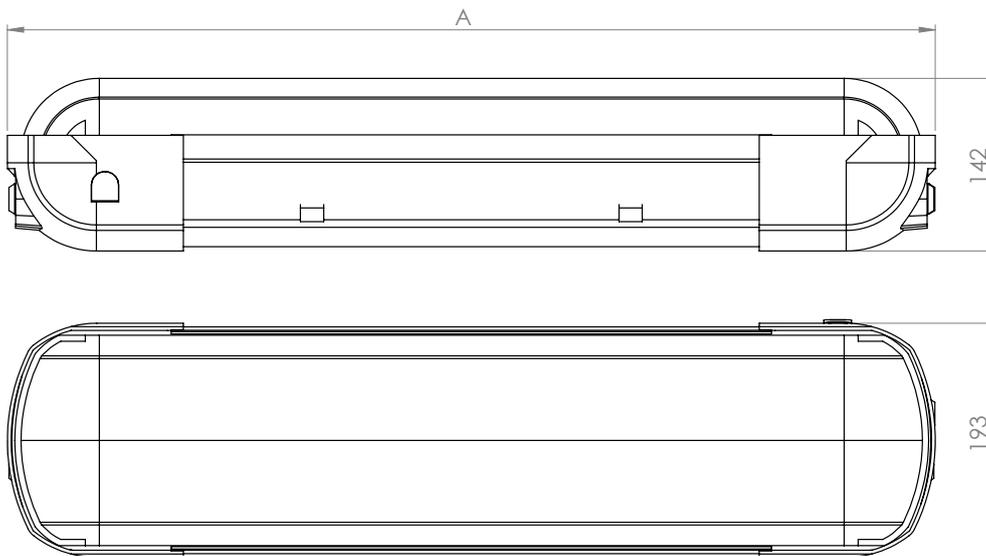
9 Series Ex eb mb op is LED Luminaire

Spares and accessories available
Refer to main catalogue

CIRCUIT BREAKER / INRUSH CURRENT

Model	typ.lpeak	No. of Luminaires per single pole Circuit Breaker				
		Type	10A	16A	20A	25A
9LED2700	16.2A/184 μ	B	17	27	34	43
		C	28	45	57	71
9LED4700	32.4A/184 μ	B	8	13	17	21
		C	14	22	28	35
9LED5700	32.4A/184 μ	B	8	13	17	21
		C	14	22	28	35

Supply voltage @230 VAC, mains impedance = 1ff
In case of multi-pole CB the maximum number is reduced by 20%.
The maximum number may differ depending on CB manufacturer. Please consult the manufacturer specifications.
Circuit Breakers with C characteristics are recommended for LED lighting circuits.



Size	Length A/mm	Fixing centres from 100mm up to
2	760	450
4	1365	1055
5	1665	1355

ORDERING INFORMATION

Part Number	Description	Light Source	Nominal Light Output	Nominal Power Consumption	Size
9LED2700	2' Exe LED Luminaire	LED	4000lm	30w	760mm
9LED4700	4' Exe LED Luminaire	LED	8000lm	60w	1365mm
9LED5700	5' Exe LED Luminaire	LED	10,000lm	75w	1665mm
9LED2700/EM	2' Exe Em Luminaire	LED	4000lm	30w	760mm
9LED4700/EM	4' Exe Em Luminaire	LED	8000lm	60w	1365mm
9LED5700/EM	5' Exe Em Luminaire	LED	10,000lm	75w	1665mm

For safer hazardous areas call us today on

THORNE & DERRICK INTERNATIONAL
Thorne & Derrick
+44 (0) 191 410 4292
www.powerandcables.com



Petrel
Hazardous Area Lighting Solutions