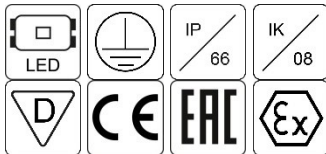


BARAT LED Ex

Explosion-Proof Luminaires



Description: Surface mounted explosion-proof LED luminaire
 Light distribution type: direct
 Optical system: opal polycarbonate diffuser, impact resistant
 Housing: polycarbonate, stainless steel clips
 Colour: light grey
 Marking of explosion-protection: II 3G Ex nA IIC T6 Gc; II 3D Ex tD IIIC T85°C IP66 Dc
 Explosion group: Gas: IIC, IIB, IIA Dust: IIIC, IIIB, IIIA
 Hazardous zones: 2, 22

General data: Mains voltage: 220-240V, 0/50-60Hz
 LED lifetime, h: 75000/L80B50
 SDCM: 3
 Protection class IEC: I
 Ingress protection code: IP66
 Mechanical impact resistance: IK08
 Operating temperature range, °C: ta -25...+40 (ta +5...+40 with EM3B)

Installation: On the ceiling or wall (mounting brackets included), or suspended (hooks included). Push-in terminal, 3x2x2.5mm². Cable diameter: Ø7-13mm

Environment: Indoor

Application: Industry. Designed for illumination of hazardous areas where an explosive atmosphere persists for a short period

| Product | Length, mm | Width, mm | Height, mm | Luminaire output*, lm | System power*, W | System efficacy*, lm/W | CRI | CCT*, K | Weight, kg |
|--|------------|-----------|------------|-----------------------|------------------|------------------------|-----|---------|------------|
| Barat LED1x1300 C101 T840 PC/PC OP IC Ex | 662 | 96 | 111 | 1389 | 11,6 | 120 | 80+ | 4000 | 1,30 |
| Barat LED1x1900 C102 T840 PC/PC OP IC Ex | 662 | 96 | 111 | 1884 | 17,2 | 110 | 80+ | 4000 | 1,30 |
| Barat LED2x1300 C104 T840 PC/PC OP IC Ex | 662 | 146 | 111 | 2779 | 23,2 | 120 | 80+ | 4000 | 1,80 |
| Barat LED2x1900 C105 T840 PC/PC OP IC Ex | 662 | 146 | 111 | 3768 | 32,4 | 116 | 80+ | 4000 | 1,80 |
| Barat LED1x2600 C107 T840 PC/PC OP IC Ex | 1272 | 96 | 111 | 2779 | 23,2 | 120 | 80+ | 4000 | 2,10 |
| Barat LED1x3800 C108 T840 PC/PC OP IC Ex | 1272 | 96 | 111 | 3768 | 32,4 | 116 | 80+ | 4000 | 2,10 |
| Barat LED2x2600 C110 T840 PC/PC OP IC Ex | 1272 | 146 | 111 | 5558 | 43,8 | 127 | 80+ | 4000 | 2,80 |
| Barat LED2x3800 C111 T840 PC/PC OP IC Ex | 1272 | 146 | 111 | 7537 | 64,8 | 116 | 80+ | 4000 | 2,80 |
| Barat LED1x3200 C113 T840 PC/PC OP IC Ex | 1572 | 96 | 111 | 3473 | 27,3 | 127 | 80+ | 4000 | 2,60 |
| Barat LED1x4700 C114 T840 PC/PC OP IC Ex | 1572 | 96 | 111 | 4711 | 40,5 | 116 | 80+ | 4000 | 2,60 |
| Barat LED2x3200 C116 T840 PC/PC OP IC Ex | 1572 | 146 | 111 | 6947 | 54,7 | 127 | 80+ | 4000 | 3,30 |
| Barat LED2x4700 C117 T840 PC/PC OP IC Ex | 1572 | 146 | 111 | 9421 | 81,0 | 116 | 80+ | 4000 | 3,30 |

*Tolerance range for optical and electrical data: ±10%. Values apply to an ambient temperature of 25°C. NORTHCLIFFE LIGHTING is constantly developing and improving its products. The right is reserved to change any product specifications without prior notification

Available options:

| | | | |
|---|--|---------|---|
| EM3B | Emergency version 3 hours (best available technology) | 1LIN2.5 | Through wiring 3x2.5 mm ² with two push-in terminal blocks |
| *note - EM options not applicable for models: C101, C102, C104, C105 | | 3LIN2.5 | Through wiring 5x2.5 mm ² with two push-in terminal blocks |
| *note - Operating temperature range for Luminaires with EM option, °C: ta 0...+35 | | T830 | Colour temperature 3000K, CRI 80+ |
| 5TB | 5-pole terminal block in the middle of luminaire for easy through wiring | T840 | Colour temperature 4000K, CRI 80+ |

TECHNICAL DATA SHEET

