

The 238 well-glass luminaire is ideal for use where a compact and powerful source of area lighting is needed.

The range accommodates high pressure discharge lamps up to 250W and also incandescent GLS lamps up to 300W. External reflectors are available to provide light control for efficient low and medium height operation.

The luminaire is made from corrosion resistant aluminium alloy and toughened boro-silicate glass using stainless steel fastenings. It has an IP66/67 rating.

The luminaire features a large side mounted increased safety terminal chamber eliminating the need for flame-proof cable glands and allowing flush mounting. The 238 is suitable for a wide range of high and low temperature applications.



Standard Specification

Features

| | | |
|---------------------|---|--|
| Type of Protection | Ex de (Flameproof, Increased Safety) | Ex e cable entries and looping as standard |
| ATEX Classification | Group II Category 2 G | Anchor chain on glass cover assembly |
| Area Classification | Zone 1 and Zone 2 areas to EN 60079-10 with installation to EN 60079-14 Gas Groups IIA and IIB | High ingress protection |
| Apparatus Standard | EN 50014 EN 50018 EN 50019 | External reflector (option) |
| Certificate | EC Type Examination Certificate BAS01ATEX2308 | Low temperature applications to -50°C |
| Coding | ⊕ II 2 G EEx de IIB (refer to table for T rating and ambient) | Compact construction |
| Enclosure | Aluminium alloy LM6 to BS 1490. All fastenings stainless steel. Toughened glass bowl. | GOST Approved |
| Internal Reflector | High purity anodised aluminium | CSA Approved |
| Entry | 2 x M20 cable entries | IEC Ex Compliant |
| Termination | 3 core 6mm ² max. conductor with looping | |
| Installation | Flush mounting bracket | |
| Control Gear | Internal copper/iron with PFC correction capacitor | |
| Relamping | Access via front glass cover assembly | |
| Lampholder | E27 or E40 | |
| Lamp Type | HPS, Metal Halide, Mercury Vapour, GLS, QL or MBTF | |
| Burning Position | Universal | |
| Ingress Protection | IP66/67 to EN 60529 | |
| Electrical Supply | 220, 230, 240, 254V 50Hz - 70, 150 & 250W HPS/Metal Halide 220, 230, 240V 50Hz - 80, 125, 250W MBF/U & 100W HPS 250V Max GLS/MBTF | |

| Std. Cat No. | Wattage | Lamp | Lampholder | T Class | Ambient °C | Weight |
|----------------|---------|----------------------|------------|---------|------------|--------|
| 238D/070/HS | 70W | HPS | E27 | T4 | 70* | 17kg |
| 238D/100/HS | 100W | HPS | E40 | T4 | 60* | 17kg |
| 238D/150/MS | 150W | HPS and Metal Halide | E40 | T4 | 40 | 18kg |
| 238D/250/MS | 250W | HPS and Metal Halide | E40 | T3 | 45* | 20kg |
| 238D/080/MV | 80W | Mercury Vapour | E27 | T4 | 60* | 17kg |
| 238D/125/MV | 125W | Mercury Vapour | E27 | T4 | 40 | 17kg |
| 238D/250/MV | 250W | Mercury Vapour | E40 | T3 | 45* | 19.5kg |
| 238D/150/GL | 150W | GLS | E27 | T4 | 70* | 15.5kg |
| 238D/200/GL | 200W | GLS | E27 | T4 | 50 | 15.5kg |
| 238D/300/GL | 300W | GLS | E27 | T4 | 40 | 15.5kg |
| 238D/160/MB | 160W | MBTF | E27 | T3 | 50* | 15.5kg |
| 238D/085/QL | 85W | QL | QL | T5 | 55 | 16.0kg |
| 238D/070/HS/T5 | 70W | HPS | E27 | T5 | 40 | 17kg |
| 238D/150/MS/T3 | 150W | HPS and Metal Halide | E40 | T3 | 55* | 18kg |
| 238D/125/MV/T3 | 125W | Mercury Vapour | E27 | T3 | 50* | 17kg |

Note: Refer to installation leaflet for cable rating on models marked *

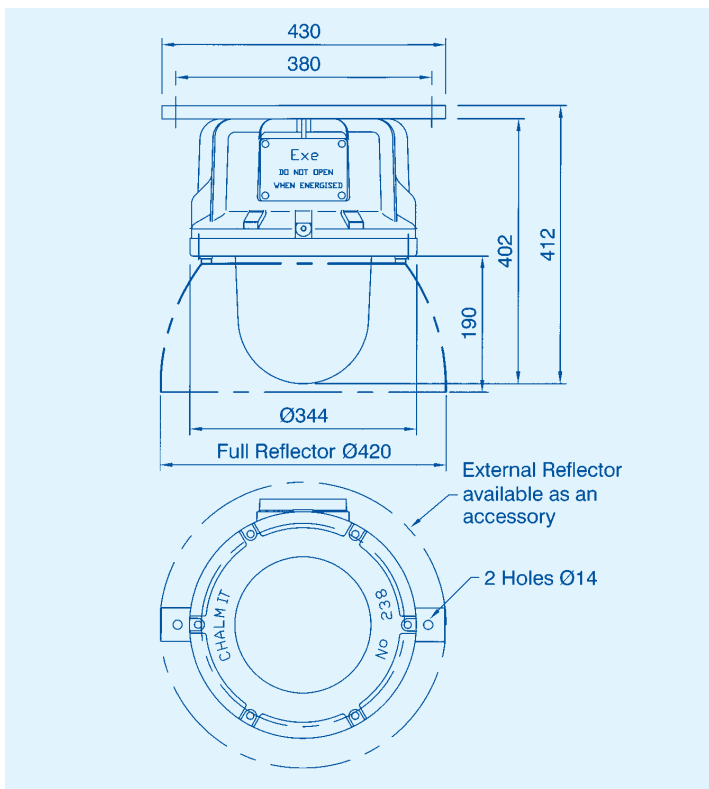
The 250W luminaires have a 70°C cable rating at ambients of 30°C

Options - Suffix to Catalogue No.

| | |
|------|--|
| /120 | 120V QL only |
| /60 | 60Hz |
| /M25 | M25 Entries |
| /P | PTFE coating |
| /S | Stirrup mounting bracket |
| /NC | No power factor correction capacitors fitted |

Applications

Zone 1 and 2 hazardous areas
 Harsh and low temperature environments
 Offshore oil and gas platforms
 Medium and low bay lighting
 Petrochemical industry
 Pharmaceutical industry
 Road tanker loading facilities
 Stairwells • Oil jetties • Distilleries



Accessories (Should be ordered separately)

Catalogue Order Code

| | |
|---|------------|
| Pole mounting bracket (stirrup mounting version only) | S2610-0001 |
| Wire guard | S2381-0012 |
| External reflector | S2380-0001 |

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

