

Hazardous Area Equipment



A popular Zone 1 well glass range offering the following benefits:

- Integral Ex e terminal chamber for less corrosion and faster installation
- Long replacement cycle due to robust heavy duty construction
- Wide variety of lamp options, including flashing and rotating beacon options with coloured glass
- Versions suitable for use in high ambient temperatures
- Angled installation possible with pivot bracket accessory
- Internal or external reflectors maximise lamp output

Typical applications

| | | | |
|-----------------|----------------|-------------------|-------------------------|
| Chemical sites | Offshore | Paint spray shops | Fuel storage facilities |
| Refineries | Marine | Grain storage | Water treatment plants |
| Docks / jetties | Pharmaceutical | Paper mills | Metal treatment plants |

Specification & options

Lamp Options with 'T' ratings

| Specification | Details |
|--------------------------------|--|
| Certification Code (Gas) | Ex de IIC Gb T4 or T3 |
| Certification Code (Dust) | Ex tb IIIC Db T4 or T3 |
| Protection type | Ex de (flameproof, increased safety) |
| ATEX / IECEx type class | Group II Category 2 GD |
| Certification standards | EN 60079, EN 61241, IEC 60079, IEC 61241 |
| Certificate(s) | SIRA01ATEX1033, IEC Ex SIR09.0029X |
| Suitable zoned areas | Zone 1 and Zone 2, Zone 21 and Zone 22 |
| Gas group suitability | IIA, IIB, and IIC |
| Ambient range (max) | -20°C to 70°C - see lamp types |
| Material | Corrosion resistant marine grade aluminium body with toughened borosilicate glass dome |
| Ingress protection (IP rating) | IP66 |
| Cable Entries | 2 x M20—ISO (1 plugged) as standard Other threads available |
| Electrical connections | 4 wire and earth. Cable size 4mm ² max With looping facility |
| Control Gear (when fitted) | Electronic ballast, ignitor & capacitor |
| Supply voltage | Standard 240V 50Hz (Rotating/Flashing versions range from 12 to 277V) |
| Installation / Mounting | Back mounted fixing strap |
| Re-lamp access | Via removable screw threaded glass dome |
| Weight | 9kg (beacon/flashing), 9-12kg (Well Glass) |

| Lamp Type/Lamp Holder | 6 Series Beacon/Warning Lights All certified Ex de IIC (gas) and Ex tb IIIC (dust) |
|---|---|
| Rotating Beacon (ROT) / Integrated | T4@Ta=70°C |
| Xenon flashing (XEN) / Integrated | T4@Ta=55°C |
| 150W GLS Coloured Beacon (Red, Blue, Green) / E27 | T4@Ta=40°C *(55°C) |

| Lamp Type/Lamp Holder | 610 Well Glass All certified Ex de IIC (gas) and Ex tb IIIC (dust) |
|-----------------------|---|
| 150W GLS / E27 | T4@Ta=40°C *(55°C) |
| Halogena / E27 | T4@Ta=40°C *(55°C) |
| 110W SON (Max) / E27 | T4@Ta=40°C *(55°C) |
| 70W SON-R / E27 | T3@Ta=55°C |
| 125W MBF / E27 | T3@Ta=35°C *(55°C) |
| 80W MBF (Max) / E27 | T4@Ta=40°C *(55°C) |
| 25W SL / E27 | T4@Ta=70°C |
| 20W PLCE / E27 | T4@Ta=70°C |

* Ta when mounted vertically

| Accessories | Details |
|---------------|--|
| Beacons | A variety of beacons and flashers are available in clear glass, red, blue, green and amber |
| Reflectors | Internal & External are available (R option) |
| Wire guard | For glass dome impact protection (WG option) |
| Pivot bracket | For complete directional control (PB option) |
| Pendant Mount | Flexible mounting with eyebolts (PM option) |



Coloured lens option



Xenon flasher version



Wire guard option

Fixing, accessories and ordering guide

How to select your product for ordering

Example: A 6 Series rotating blue beacon with wire guard for UK installation

Model / Lamp type / Mains voltage / Mains frequency / Lens colour / Options

610

ROT

240

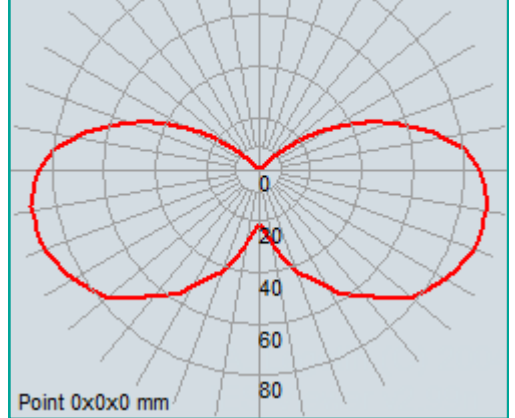
50Hz

Blue

Wire Guard

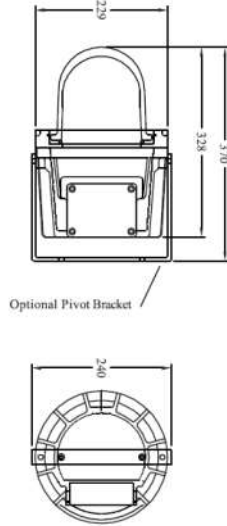
Product code required is:
610 / ROT / 240 / 50 / Blue / WG

Lamp=1 200 lm
Max=89 cd/klm
Power=21 W



Photometric data available—contact for details

Fixing & Dimensions/mm



Mounting Options



Swivel mounting bracket

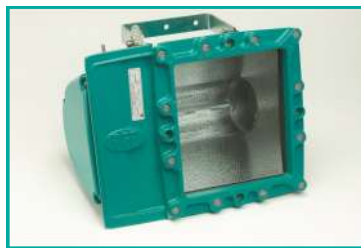


Eye bolts for pendant mounting. Connection via mounting strap on rear of standard fitting.

Also available from Petrel



Zone 1 Fluorescent



Zone 1 Floodlight



Zone 2 Fluorescent



Hazardous area control equipment

Representation worldwide

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