



Quantum

IP65

IK16 (150J)

Bulkhead

Class I

Recessed

Surface

HT50°C

Community and Public

Quantum is a vandal resistant bulkhead designed specifically for community and public applications.

Standard Colours

Matt White

Matt Silver

Matt Titanium

Product Information

Quantum's opal diffuser provides a soft lit appearance, while providing uniform illumination, ensuring a consistent light distribution. Incorporating a removable gear tray ensures Quantum is quick and easy to maintain, whilst enabling sustainable technology upgrades.

Applications include the exterior and perimeter of buildings.

This luminaire is designed for longevity and sustainability and adheres to our circular design principles. We conduct a circular economy assessment using [TM66](#) and measure embodied carbon (kgCO₂e) in accordance with [TM65.2](#).

Impact Resistance Rating: IK16 (150J). [What is IK Rating?](#)

Ingress Protection Rating: IP65. [What is IP Rating?](#)

Housing: Die cast aluminium body.

Paint: Polyester powder coat. [All Colour Options Available Here.](#)

Diffuser: Opal polycarbonate diffuser in casting secured with tamperproof screws.

Driver: Electronic control gear on removable tray for ease of repair/upgrade with fused plug & socket connector block.

Mounting: Wall.

Cable Entry: Provision for conduit entry in back.

Design Life: 30+ years. [What is Design Life?](#)

■ **Technical Information**

| Quantum | Output (Lum/lm) | Load (W) | Efficacy (lm/W) | CCT (K) |
|--------------------------------------|--------------------------|----------------------------------|-----------------------------------|---------|
| Opal | | | | |
| QTM-1100N-X-MT | 1150 | 14.1 | 82 | 4000 |
| Weight (kg) | CRI | High Temp (°C) | LED Lifetime | |
| 4 | CRI>80 | 50 | L70B10>100,000h | |
| Driver lifetime (up to hours) | LED Energy Rating | Emergency Output (Lum/lm) | Nightlight Output (Lum/lm) | |
| 100,000 | D | 403 | - | |
| Dimensions | | | | |
| Ø300mm, 145mm | | | | |
| QTM-1400N-X-MT | 1503 | 18.3 | 82 | 4000 |
| Weight (kg) | CRI | High Temp (°C) | LED Lifetime | |
| 4 | CRI>80 | 50 | L70B10>100,000h | |
| Driver lifetime (up to hours) | LED Energy Rating | Emergency Output (Lum/lm) | Nightlight Output (Lum/lm) | |
| 100,000 | D | 403 | - | |
| Dimensions | | | | |
| Ø300mm, 145mm | | | | |
| QTM-1900N-X-MT | 1855 | 23.8 | 78 | 4000 |
| Weight (kg) | CRI | High Temp (°C) | LED Lifetime | |
| 4 | CRI>80 | 50 | L70B10>100,000h | |
| Driver lifetime (up to hours) | LED Energy Rating | Emergency Output (Lum/lm) | Nightlight Output (Lum/lm) | |
| 100,000 | D | 403 | - | |
| Dimensions | | | | |
| Ø300mm, 145mm | | | | |
| QTM-1100W-X-MT | 1093 | 14.1 | 77 | 3000 |
| Weight (kg) | CRI | High Temp (°C) | LED Lifetime | |
| 4 | CRI>80 | 50 | L70B10>100,000h | |
| Driver lifetime (up to hours) | LED Energy Rating | Emergency Output (Lum/lm) | Nightlight Output (Lum/lm) | |
| 100,000 | D | 382 | - | |
| Dimensions | | | | |
| Ø300mm, 145mm | | | | |
| QTM-1400W-X-MT | 1428 | 18.3 | 78 | 3000 |
| Weight (kg) | CRI | High Temp (°C) | LED Lifetime | |
| 4 | CRI>80 | 50 | L70B10>100,000h | |
| Driver lifetime (up to hours) | LED Energy Rating | Emergency Output (Lum/lm) | Nightlight Output (Lum/lm) | |
| 100,000 | D | 382 | - | |
| Dimensions | | | | |
| Ø300mm, 145mm | | | | |

| Quantum | Output (Lum/m) | Load (W) | Efficacy (lm/W) | CCT (K) |
|----------------|-------------------------------|-------------------|--------------------------|---------------------------|
| Opal | | | | |
| QTM-1900W-X-MT | 1762 | 23.8 | 74 | 3000 |
| | Weight (kg) | CRI | High Temp (°C) | LED Lifetime |
| | 4 | CRI>80 | 50 | L70B10>100,000h |
| | Driver lifetime (up to hours) | LED Energy Rating | Emergency Output (Lum/m) | Nightlight Output (Lum/m) |
| | 100,000 | D | 382 | - |
| | Dimensions | | | |
| | Ø300mm,145mm | | | |

Fitting Options

| | |
|--|-----|
| Photo Electronic Cell | -PC |
| Semi-Recessed | -SR |
| Conduit Hole in One End | -1H |
| Conduit Hole in Both Ends | -2H |
| Change Over Relay, 240V Relay Supplied | -ER |
| Central Battery Maintained 110V | -EV |
| Maintained Emergency 3 Hour | -E3 |
| Matt White | -MW |
| Matt Silver | -MS |
| Matt Titanium | -MT |

- For paint colour options, please replace -MT with required paint code.
- HT Applies to standard version. For any options (e.g. -E3), please contact technical sales on +44 (0)20 8254 2022 or email technical@designplan.co.uk.
- -1H please note this is on the left hand side.

