# Obex

| IP65 | IK20 (250J) | | Linear | Class I | Surface |

Custodial

Obex is a ligature resistant luminaire specifically designed for challenging environments, such as custodial facilities.

Standard Colours

Textured White

## ▪ Product Information

Obex's uniform illumination ensures a consistent light distribution, enhancing visibility and reducing glare. Obex's flush smooth diffuser and front plate assembly aids easy cleaning and enhanced ligature resistance capability.

The ligature resistant design helps prevent self-harming. Complete with 3 light level switchable circuits for cleaning, daytime operation and night light. Applications include police stations and law courts. Obex Trunking provides a cable management system for this luminaire.

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 (kgCO e) in accordance with TM65.2.

**Impact Resistance Rating:** IK20 (250J). What is IK Rating?

**Ingress Protection Rating:** IP65. What is IP Rating?

**Housing:** Zinc coated steel body.

**Paint:** Polyester powder coat. All Colour Options Available Here.

**Diffuser:** Flush Opal polycarbonate diffuser in frame secured with tamperproof screws.

**Driver:** Electronic control gear on a removable tray for ease of repair/upgrade with fused plug & socket connector block for 3 level switching & night light. DALI drivers as standard.

**Mounting:** Cornice

**Cable Entry:** Provision for conduit entry in ends.

**Design Life:** 30+ years. What is Design Life?

## ◾ Technical Information

| Obex | Output (Lum/lm) | Load (W) | Efficacy (lm/W) | CCT (K) |
|---|---|---|---|---|
| **L648mm** | | | | |
| OBX-G1-2-3000W-TW-DA | 3524 (Daytime) | 40 | 88 | 3000 |
| | **Weight (kg)** | **CRI** | **High Temp (°C)** | **LED Lifetime** |
| | 12 | CRI>80 | - | $L_{80}B_{10}$>72,000h |
| | **Driver lifetime (up to hours)** | **LED Energy Rating** | **Emergency Output (Lum/lm)** | **Nightlight Output (Lum/lm)** |
| | 100,000 | C | 391 | 434 |
| | **Dimensions** | | | |
| | 166mm x 166mm | | | |
| OBX-G1-2-3000N-TW-DA | 3778 (Daytime) | 40 | 95 | 4000 |
| | **Weight (kg)** | **CRI** | **High Temp (°C)** | **LED Lifetime** |
| | 12 | CRI>80 | - | $L_{80}B_{10}$>72,000h |
| | **Driver lifetime (up to hours)** | **LED Energy Rating** | **Emergency Output (Lum/lm)** | **Nightlight Output (Lum/lm)** |
| | 100,000 | B | 410 | 476 |
| | **Dimensions** | | | |
| | 166mm x 166mm | | | |
| **L1250mm** | | | | |
| OBX-G1-4-6000W-TW-DA | 3368/5326 (Daytime/High Output) | 34/54 | 99 | 3000 |
| | **Weight (kg)** | **CRI** | **High Temp (°C)** | **LED Lifetime** |
| | 18.8 | CRI>80 | - | $L_{80}B_{10}$>72,000h |
| | **Driver lifetime (up to hours)** | **LED Energy Rating** | **Emergency Output (Lum/lm)** | **Nightlight Output (Lum/lm)** |
| | 100,000 | C | 489 | 434 |
| | **Dimensions** | | | |
| | 166mm x 166mm | | | |
| OBX-G1-4-6000N-TW-DA | 3647/5665 (Daytime/High Ouput) | 34/54 | 107 | 4000 |
| | **Weight (kg)** | **CRI** | **High Temp (°C)** | **LED Lifetime** |
| | 18.8 | CRI>80 | - | $L_{80}B_{10}$>72,000h |
| | **Driver lifetime (up to hours)** | **LED Energy Rating** | **Emergency Output (Lum/lm)** | **Nightlight Output (Lum/lm)** |
| | 100,000 | B | 513 | 476 |
| | **Dimensions** | | | |
| | 166mm x 166mm | | | |
| **L1551mm** | | | | |
| OBX-G1-5-9000W-TW-DA | 5723/9223 (Daytime/High Output) | 61/98 | 94 | 3000 |
| | **Weight (kg)** | **CRI** | **High Temp (°C)** | **LED Lifetime** |
| | 23.5 | CRI>80 | - | $L_{80}B_{10}$>72,000h |
| | **Driver lifetime (up to hours)** | **LED Energy Rating** | **Emergency Output (Lum/lm)** | **Nightlight Output (Lum/lm)** |
| | 100,000 | C | 489 | 434 |
| | **Dimensions** | | | |
| | 166mm x 166mm | | | |

| Obex | Output (Lum/lm) | Load (W) | Efficacy (lm/W) | CCT (K) |
|---|---|---|---|---|
| **L1551mm** | | | | |
| OBX-G1-5-9000N-TW-DA | 6191/10075 (Daytime/High Output) | 61/99 | 101 | 4000 |
| | **Weight (kg)** | **CRI** | **High Temp (°C)** | **LED Lifetime** |
| | 23.5 | CRI>80 | - | $L_{80}B_{10}$>72,000h |
| | **Driver lifetime (up to hours)** | **LED Energy Rating** | **Emergency Output (Lum/lm)** | **Nightlight Output (Lum/lm)** |
| | 100,000 | B | 515 | 476 |
| | **Dimensions** | | | |
| | 166mm x 166mm | | | |

## Fitting Options

| | |
|---|---|
| Microwave Sensor - Basic | -M1 |
| Right Blank End | -RB |
| Blank Ends | -BE |
| Left Blank End | -LB |
| DALI with **% Pre-set | -D |
| Maintained Emergency 3 Hour, Self Test | -ES |
| Change Over Relay, 240V Relay Supplied | -ER |
| Central Battery Maintained 110V | -EV |
| Maintained Emergency 3 Hour, DALI | -ED |
| Maintained Emergency 3 Hour | -E3 |
| Textured White | -TW |
| DALI-2 Dimming / Monitoring | -DA |

• High output for visually impaired use, inspections and deep cleaning.

• For Obex clock unit with window for digital clocks, please contact technical sales on +44 (0)20 8254 2022 or email technical@designplan.co.uk.

• -ER cannot be combined with -M1.











Corner unit for cameras

**designplan**
LIGHTING

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