

Amenity

Royd Anti-Tamper Bulkhead 20W 3CCT Microwave White



Tough and Durable body and Polycarbonate diffuser, Wall and Ceiling Mount, LED lifespan 50,000 hours L70, Standard, Microwave, Emergency and 3 Step Dimming options available, IK08 Impact rated, Tamper proof screws



General Data

|                                |                          |
|--------------------------------|--------------------------|
| Technology                     | LED                      |
| Mounting options               | Ceiling   Wall           |
| Install Options                | BESA   20mm knock out    |
| Electrical Connector Type      | Push Terminal            |
| Input Cable                    | No                       |
| Input Electrical Connection    | Live   Neutral   Earth   |
| General Application            | Residential   Commercial |
| Operating Temperature Range °C | -20 - +40                |
| Warranty (Years)               | 5                        |

**Optical Data**

|                                  |                    |
|----------------------------------|--------------------|
| LED Manufacturer / Type          | MTC Lighting       |
| Fixture Luminous Flux (Lm)       | 2252   2390   2340 |
| Luminaire Efficacy @3000K (lm/W) | 114                |
| Luminaire Efficacy @4000K (lm/W) | 128                |
| Luminaire Efficacy @6000K (lm/W) | 122                |
| LOR %                            | 100                |
| Colour Selectable                | Yes                |
| Beam Angle°                      | 115                |
| Optics                           | Symetric           |
| Photobiological Risk Group       | RG0                |

**Light Source Data**

|                        |                                    |
|------------------------|------------------------------------|
| Energy Class           | E                                  |
| Colour Temperature (K) | 3000   4000   6000                 |
| Light Colour           | Warm Light   Cool White   Daylight |
| CRI Ra                 | 80                                 |

430158-MW

Technical Specification

## Electrical Data

|                                         |                    |
|-----------------------------------------|--------------------|
| <b>Wattage (W)</b>                      | 20                 |
| <b>Total Power Consumption (W)</b>      | 19.7   18.6   19.2 |
| <b>Mains voltage (V)</b>                | 220 - 240          |
| <b>Lamp power factor</b>                | >75                |
| <b>Electrical protection</b>            | Class I            |
| <b>Driver Output (V)</b>                | 30-45              |
| <b>Driver Output Current (mA)</b>       | 410                |
| <b>Control Gear Type CC or CV</b>       | Constant Current   |
| <b>SVM</b>                              | 0.02               |
| <b>PstLM</b>                            | 0.02               |
| <b>LED Flicker Rate</b>                 | 0.47               |
| <b>Dimmable</b>                         | No                 |
| <b>Driver Brand</b>                     | Lumineux           |
| <b>Inrush Current (A)</b>               | <20                |
| <b>Glow Wire Test (°C)</b>              | 850                |
| <b>Nominal Frequency (Hz)</b>           | 50/60              |
| <b>Max. Luminaire per 10A C Breaker</b> | 56                 |
| <b>Max. Luminaire per 13A C Breaker</b> | 72                 |
| <b>Max. Luminaire per 16A C Breaker</b> | 89                 |
| <b>Max. Luminaire per 20A C Breaker</b> | 111                |
| <b>Max. Luminaire per 10A B Breaker</b> | 33                 |
| <b>Max. Luminaire per 13A B Breaker</b> | 43                 |
| <b>Max. Luminaire per 16A B Breaker</b> | 53                 |
| <b>Max. Luminaire per 20A B Breaker</b> | 67                 |

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**Lifetime Data**

|                              |       |
|------------------------------|-------|
| Lifespan L70 B50 @25°C (Hrs) | 50000 |
|------------------------------|-------|

**Sensor Data**

|                          |                                          |
|--------------------------|------------------------------------------|
| Sensor Technology        | Microwave                                |
| Sensor Type              | ON/OFF                                   |
| Max. Mounting Height (M) | 6                                        |
| Hold Time                | 5s 30s 90s 5min 20min 30min              |
| Detection area (m)       | 4-6                                      |
| Daylight Threshold       | 5Lux 15Lux   30Lux   Disable             |
| Detection radius (°)     | 150 (Wall mounted)/360 (Ceiling mounted) |

**Physical Data**

|                             |                |
|-----------------------------|----------------|
| Housing colour              | White RAL 9016 |
| Body material               | ABS            |
| Driver Housing              | Polycarbonate  |
| IP Rating                   | 65             |
| IK Rating                   | 8              |
| Diffuser Material           | Polycarbonate  |
| Diffuser finish             | Frosted        |
| Nominal Product Length (mm) | 305            |
| Nominal Product Width (mm)  | 305            |
| Nominal Product Height (mm) | 110            |
| Weight (kg)                 | 0.78           |

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Technical Specification

## Standards and Approvals

|                               |                      |
|-------------------------------|----------------------|
| Manufactured In Accordance To | EN 60598-1           |
| CE Mark                       | Yes                  |
| UKCA Mark                     | Yes                  |
| WEEE Symbol                   | Yes                  |
| Certificate Of Conformity     | Available on Request |
| Accredited Members            | LIA, ISO9001         |

## Product Relations



**430157-MW**  
**Royd Anti-Tamper Bulkhead 12W 3CCT Microwave White**



**430157**  
**Royd Anti-Tamper Bulkhead 12W 3CCT White**



**430157-SD**  
**Royd Anti-Tamper Bulkhead 12W 3CCT Step Dim White**



**431128**  
**Royd Anti Tamper Bulkhad 12W/16W/18W 3CCT White Plug & Play IP65**

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