

430150-MW

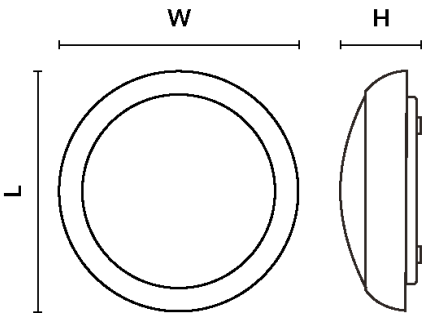
Technical Specification

Amenity

Ridgegate Bulkhead 8W/10W/14W 3CCT White Microwave Step Dim Plug & Play



NEW Twist & Lock geartray for easier installation Tough and Durable body and Polycarbonate diffuser, Wall and Ceiling Mount, LED lifespan 40,000 hours L70, Standard, Microwave, Emergency and 3 step dimming options available, IK08 Impact rated



General Data

|                                |                                 |
|--------------------------------|---------------------------------|
| Technology                     | LED                             |
| Mounting options               | Ceiling   Wall                  |
| Electrical Connector Type      | Push Terminal                   |
| Install Options                | BESA   20mm Knock out           |
| Input Cable                    | No                              |
| Input Electrical Connection    | Live   Neutral   Earth   P Live |
| General Application            | Residential   Commercial        |
| Operating Temperature Range °C | -20 - +40                       |
| Warranty (Years)               | 3                               |

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Optical Data

|                                  |                 |
|----------------------------------|-----------------|
| LED Manufacturer / Type          | 3030 2C2B 18V   |
| Fixture Luminous Flux (Lm)       | 750   950  1350 |
| Luminaire Efficacy @3000K (lm/W) | 95              |
| Luminaire Efficacy @4000K (lm/W) | 95              |
| Luminaire Efficacy @6000K (lm/W) | 95              |
| LOR %                            | 100             |
| Colour Selectable                | Yes             |
| Beam Angle°                      | 110             |
| Optics                           | Symetric        |
| Photobiological Risk Group       | RG0             |

Light Source Data

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

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## Electrical Data

|                                         |                                                       |
|-----------------------------------------|-------------------------------------------------------|
| <b>Wattage (W)</b>                      | 8   10   14                                           |
| <b>Total power consumption (W)</b>      | 8.5   8.2   8.4 10.5   10.2   10.6 14.2   13.8   14.3 |
| <b>Mains voltage (V)</b>                | 220 - 240                                             |
| <b>Lamp power factor</b>                | >0.70                                                 |
| <b>Electrical protection</b>            | Class II                                              |
| <b>Driver Output (V)</b>                | 60-94                                                 |
| <b>Driver Output Current (mA)</b>       | 70-165                                                |
| <b>Control Gear Type CC or CV</b>       | Constant Current                                      |
| <b>PstLM</b>                            | 0.01                                                  |
| <b>LED Flicker Rate</b>                 | 0.01                                                  |
| <b>Dimmable</b>                         | No                                                    |
| <b>Dimmable Type</b>                    | No                                                    |
| <b>Driver Brand</b>                     | Luminaireux                                           |
| <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                                                    |

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|                                         |    |
|-----------------------------------------|----|
| <b>Max. Luminaire per 16A B Breaker</b> | 53 |
|-----------------------------------------|----|

|                                         |    |
|-----------------------------------------|----|
| <b>Max. Luminaire per 20A B Breaker</b> | 67 |
|-----------------------------------------|----|

### Lifetime Data

|                                     |       |
|-------------------------------------|-------|
| <b>Lifespan L70 B50 @25°C (Hrs)</b> | 40000 |
|-------------------------------------|-------|

### Emergency Data

|                         |     |
|-------------------------|-----|
| <b>Emergency Output</b> | 120 |
|-------------------------|-----|

### Sensor Data

|                  |                                |
|------------------|--------------------------------|
| <b>Hold time</b> | 5s   30s   1min   3min   10min |
|------------------|--------------------------------|

### Physical Data

|                       |                |
|-----------------------|----------------|
| <b>Housing Colour</b> | White RAL 9016 |
|-----------------------|----------------|

|                       |               |
|-----------------------|---------------|
| <b>Driver Housing</b> | Polycarbonate |
|-----------------------|---------------|

|                  |    |
|------------------|----|
| <b>IP Rating</b> | 65 |
|------------------|----|

|                  |   |
|------------------|---|
| <b>IK Rating</b> | 8 |
|------------------|---|

|                          |               |
|--------------------------|---------------|
| <b>Diffuser Material</b> | Polycarbonate |
|--------------------------|---------------|

|                        |         |
|------------------------|---------|
| <b>Diffuser Finish</b> | Frosted |
|------------------------|---------|

|                                    |     |
|------------------------------------|-----|
| <b>Nominal Product Length (mm)</b> | 316 |
|------------------------------------|-----|

|                                   |     |
|-----------------------------------|-----|
| <b>Nominal Product Width (mm)</b> | 316 |
|-----------------------------------|-----|

|                                    |    |
|------------------------------------|----|
| <b>Nominal Product Height (mm)</b> | 83 |
|------------------------------------|----|

|                    |       |
|--------------------|-------|
| <b>Weight (kg)</b> | 0.806 |
|--------------------|-------|

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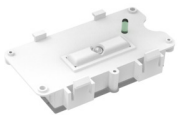
## Standards and Approvals

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

## Product Relations



**431127**  
**Alwen Plug & Play SD/MW Sensor**



**430963**  
**Grafham Bulkhead Emergency Conversion Pack 2W Plug & Play**

