

## Howden Plus

**Category:** Howden Plus

**Part Number:** 431770-E3-MW

**Description:** Howden Plus 450mm Bulkhead 18W/22W/26W/30W  
3CCT IP65 White Emergency & Microwave



### Product Features:

- Tough and durable polycarbonate housing
- Push-fit terminals with loop in and loop out
- 300lm emergency option
- 3CCT switchable
- IK08 impact rated
- X4 20mm conduit entry points
- Ideal for stairwells



### General information:

|                        |                               |
|------------------------|-------------------------------|
| Wattage (W)            | 18 / 22 / 26 / 30             |
| Lumens (lm)            | 2,350 / 2,850 / 3,750 / 3,900 |
| Efficacy (lm/W)        | 130                           |
| Colour Temperature (K) | 3000 / 4000 / 6000            |
| CCT                    | 3CCT                          |
| IP Rating              | 65                            |
| IK Rating              | 8                             |
| Class Rating           | 2                             |
| Energy Rating          | C                             |
| Flicker                | Flicker Free                  |
| Dimmable               | 0-10V / PWM                   |
| L70 Hours              | 60000                         |
| L90 Hours              | 52000                         |
| Paint Finish (RAL)     | 9016                          |

### Technical information:

|                            |                |
|----------------------------|----------------|
| Application Location       | Internal       |
| Emergency Output (lm)      | 300            |
| Beam Angle                 | 140            |
| CRI                        | 80             |
| Input Type                 | 220-240V AC    |
| Driver Type                | CC             |
| Operating Temperature From | -20            |
| Operating Temperature To   | 40             |
| Product Warranty (Years)   | 5              |
| Driver Brand               | Boke           |
| Socket                     | N/A            |
| Frequency (Hz)             | 50   60        |
| Diffuser Material          | Polycarbonate  |
| Install Options            | BESA/Conduit   |
| Install Type               | Push Terminal  |
| Replaceable Driver         | Professional   |
| Replaceable LED            | Professional   |
| Body Material              | Polycarbonate  |
| Maintained                 | Non-Maintained |
| Emergency Wattage (W)      | 3.5            |

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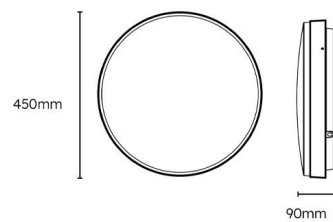
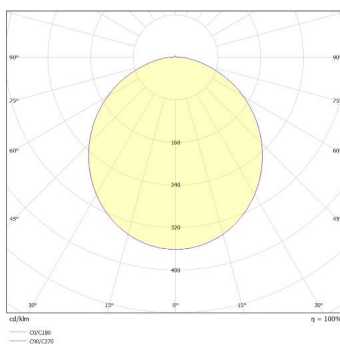
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### Technical information:

|                                  |  |
|----------------------------------|--|
| Emergency IP Rating              | 20   |
| Cell Type                        | IFR18650 - LiFePO4                                     |
| Capacity (mAh)                   | 3200   |
| Recharge Time (Hours)            | 24   |
| Emergency Duration (Hours)       | 3  |
| Emergency Output (Standalone lm) | 400  |
| Charge Current (mA)              | 300  |
| Battery Size (V/Ah)              | 3.2 / 3.2  |
| Battery Temperature (To) (°C)    | 30   |
| Module Length (mm)               | 170  |
| Module Width (mm)                | 54   |
| Module Height (mm)               | 32   |
| Battery Length (mm)              | 1300   |
| Battery Width (mm)               | 20   |
| Battery Height (mm)              | 20   |
| Battery Discharge (mA)           | 130  |
| Sensor Technology                | Microwave  |
| Sensor Type                      | Step-Dim   |
| Max. Mounting Height (m)         | 6  |
| Hold Time                        | 5s / 30s / 60s / 3min /<br>5min / 10min /<br>Permanent |
| Detection Radius                 | 5 x 4  |
| Standby Power                    | 1.0  |
| Standalone/Grouping              | Standalone   |



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## Compatible Products:



431771

Howden Plus 450mm Black  
Bezel

430904

Step-Dim Remote Control for  
431346