BULKHEAD

Howden Plus

Howden Plus Bulkhead - White E-SEL3 Emergency & Microwave

Product code **431770-E3-MW**

Power	**18W / 22W / 26W / 30W**
Luminous flux	**2,350 / 2,850 / 3,750 / 3,900 lm**
Efficacy	**130 lm/W**
Colour temperature	**3000K / 4000K / 6000K**
Beam angle	**140°**
Protection	**IP65 · IK08**
Lifetime L70	**60,000 h**
Warranty	**5 years**

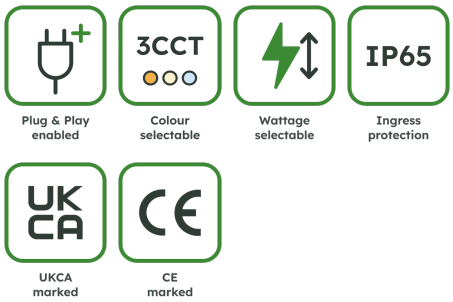
Introduction

Wattage and colour selectable, IP65, up to 130 lm/W.

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

Certification and options



Recommended applications

Stairwells, corridors, entrances, building exteriors





Specification

Optical

Luminous flux	**2,350 / 2,850 / 3,750 / 3,900 lm**
Efficacy	**130 lm/W**
Colour temperature	**3000K / 4000K / 6000K**
Colour selection	**3CCT**
Colour rendering	**Ra 80**
Beam angle	**140°**
Flicker	**Flicker Free**

Electrical

Power	**18W / 22W / 26W / 30W**
Supply voltage	**220-240V AC**
Frequency	**50 Hz / 60 Hz**
Driver type	**CC**
Driver	**Boke**
Dimming	**0-10V / PWM**

Lifetime and warranty

Lifetime L70	**60,000 h**
Lifetime L90	**52,000 h**
Energy class	**C**
Warranty	**5 years**
Replaceable driver	**Professional**
Replaceable light source	**Professional**

Construction

Ingress protection	**IP65**
Impact resistance	**IK08**
Electrical class	**Class II**
Body	**Polycarbonate**
Diffuser	**Polycarbonate**
Colour (RAL)	**RAL 9016**
Location	**Internal**
Dimensions (L x W x H)	**450 x 450 x 91 mm**
Weight	**1.85 kg**

Installation

Mounting	**BESA/Conduit**
Connection	**Push Terminal**
Ambient temperature	**-20 to +40 °C**

Emergency · from 430962

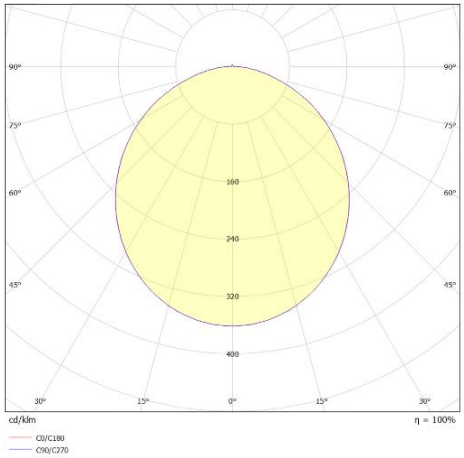
Emergency pack	**430962** Grafham 3.5W
Emergency power	**2.5 W**
Duration	**3 hours**
Mode	**Maintained/Non-Maintained**
Battery	**3.2V 3.2Ah LiFePO4**
Recharge time	**24 hours**
Pack protection	**IP20**
Pack size	**170 x 54 x 32 mm**
Emergency output	**300 lm**

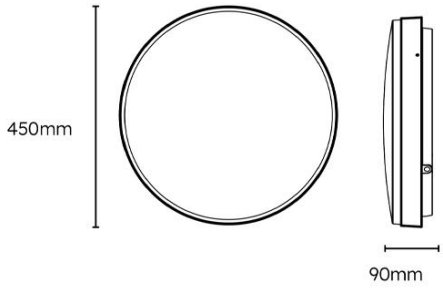
Sensor and controls · from 431346

Sensor	**431346** Alwen Linear Microwave/SD Sensor 12V DC Plug & Play
Technology	**Microwave**
Switching	**On-Off**
Hold time	**5 sec - 10 min**
Max. mounting height	**6 m**

Values are nominal. Luminous flux and efficacy are for the complete luminaire. Specifications may change without notice; the product page always carries the latest version.

Dimensions





Ordering information · Howden Plus

CODE	DESCRIPTION	POWER	LUMINOUS FLUX	EFFICACY	CCT	BEAM
431770	Howden Plus Bulkhead - White	18W / 22W / 26W / 30W	2,350 / 2,850 / 3,750 / 3,900	130 lm/W	3000K / 4000K / 6000K	140°
431770-DA	Howden Plus Bulkhead - White DALI	16W / 22W / 26W / 30W	2,350 / 2,850 / 3,375 / 3,900	130 lm/W	3000K / 4000K / 6000K	140°
431770-DA-E3	Howden Plus Bulkhead - White DALI	16W / 22W / 26W / 30W	2,350 / 2,850 / 3,375 / 3,900	130 lm/W	3000K / 4000K / 6000K	140°
431770-E3	Howden Plus Bulkhead - White E-SEL3 Emergency	18W / 22W / 26W / 30W	2,350 / 2,850 / 3,750 / 3,900	130 lm/W	3000K / 4000K / 6000K	140°
431770-MW	Howden Plus Bulkhead - White Microwave	18W / 22W / 26W / 30W	2,350 / 2,850 / 3,750 / 3,900	130 lm/W	3000K / 4000K / 6000K	140°
431770-E3-MW	**Howden Plus Bulkhead - White E-SEL3 Emergency & Microwave**	**18W / 22W / 26W / 30W**	**2,350 / 2,850 / 3,750 / 3,900**	**130 lm/W**	**3000K / 4000K / 6000K**	**140°**

Code suffixes: -E3 E-SEL3 emergency, 3 hour -MW Microwave sensor -DA DALI dimming

Compatible modules and accessories

	CODE	DESCRIPTION
	431771	Howden Plus 450mm Black Bezel
	430904	Step-Dim Remote Control for 431346

DOWNLOADS

Photometric files (LDT), installation instructions and the latest datasheet are on the product page:

www.lumineux.co.uk/shop/431770-e3-mw-howden-plus-450mm-bulkhead-18w-22w-26w-30w-3cct-ip65-white-emergency-microwave-61601

WARRANTY AND SUPPORT

5 years warranty. Terms at www.lumineux.co.uk/product-warranty-on-site-warranty.

Free lighting design and technical support: 01507 328031, support@lumineux.co.uk