

BALHAM PRO.



BALHAM IP65 LED bulkhead light fittings are ideal for exterior areas, communal areas, stairs, corridors, bathrooms, HMO and all other indoor and outdoor spaces, whether ceiling or wall mounted.

- ✓ CCT 5-Colour switchable 2700K, 3000K, 4200K, 5000K, 6500K
- ✓ Multi Wattage switchable - 8W/12W/15W
- ✓ 3hr Emergency & Microwave Sensor options
- ✓ Adjustable time delay, daylight lux and sensor range
- ✓ 4 x 20mm side conduit entry points
- ✓ IP65 Rated & IK08 Impact Resistant
- ✓ Ideal BESA fixing points and hinged gear tray



Technical Specification

Product Details

Range Variants	Standard Microwave Emergency Microwave + Emergency
Trim Options	White / Chrome / Grill / Eyelid
Applications	Commercial or Residential
Installation Options	Basement, Car Parks, Entrances, Toilets, Corridors, Pathways, Stairwells, Utility and Exterior Areas
UKCA & CE Compliant	Yes
RoHS Compliant	Yes
Guarantee Period	5 years (fitting), 2 years (battery)

Construction

Case Material	Polycarbonate
Case Colour	White
Diffuser Material	Polycarbonate
Diffuser Colour	Opaque
Trim Colour Options	White / Black / Chrome
IP Rating	IP65
Impact Protection Rating	IK08
Dimensions	Diameter: 300mm x Depth: 90mm
Weight	0.8 - 1.2 kg
Cable Entry	4 x 20mm side conduit entry M20 knockouts or rear cable entry
Operating Temp (°C)	-20 to 45 °C

Electrical Data

Voltage	220-240V AC
Frequency	50/60Hz
Wattage (illuminated)	8.0 / 12.0 / 18.0W
Battery Type	LifePO4 (Lithium)
Battery voltage	3.2V 1500mAh
Battery Life	>3 hours
Power Factor	0.7 pf
Earth Protection	Class II
Energy Rating	D
Driver	Integrated Constant Current 260mA
Dimmable	No

LED Data

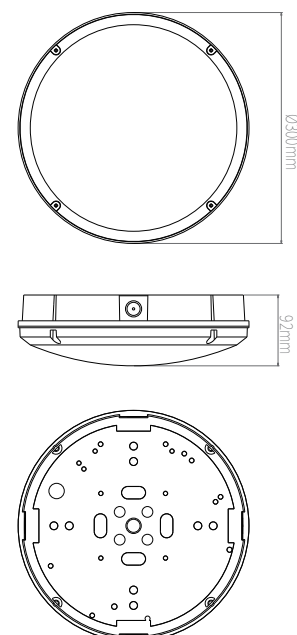
LED Type	SMD (Surface Mounted Diode)
LED Microchip	2835
Lumens	960/1440/1800 lm
Lumens per watt	120.0 lm/W
Lumens in Emergency mode	190 lm
Colour Rendering Index	>=80 CRI
Colour Temperature	2700K, 3000K, 4200K, 5000K or 6500K
Beam Angle	120°
Instantaneous Illumination	Yes: <1 second
Hg 0% (Mercury Free)	Yes
LED Lifetime	50,000 hrs

Microwave Sensor Data

Stand-by Power	≤ 0.5W
Sensitivity	Ceiling Height 3m: 100% / 75% / 50% / 25% / 10% Ceiling Height 6m: 100% / 75% / 50% Wall Height 2m: 100% / 75% / 50% / 25% / 10%
Sensor Angle	360° Ceiling Installation 120° Wall Installation
Sensor Delay	5s / 30s / 90s / 3min / 20min / 30min
Sensor Lux	2Lux / 10Lux / 25Lux / 50Lux / Disable
Sensor Rated Load	400W (Capacitive load) 800W (Resistive load)
Sensor Range	Ceiling Height 3m: 3-6m (radius) Wall Height 1.5-2m: 12-15m
Microwave Frequency	5.8 GHz ±75Mhz

Corridor Sensor Data

Output Constant Current	300mA / 350mA, set via DIP switch
Output Voltage	28-48Vdc
Stand-by Power	< 0.5W
Frequency	5.8 GHz ±75Mhz ISM wave band
Detection Sensitivity	10% / 50% / 75% / 100%
Sensor Angle	150° (wall) / 360° (ceiling)
Detection Zone Max	16m (D) x 6m (H)
Corridor Function	0s / 30s / 10min / Disable
Sensor Delay	5s / 90s / 3min / 10min
Sensor Lux	5Lux / 15Lux / 50Lux / Disable
Stand-by Dim	10% - can be customised
Motion Detection	0.5~3m/s



BALHAM PRO TRIMS.

Optional trims - Easy clip on over the front of the base unit to create a product bundle.



White Outer Trim



Black Outer Trim



Chrome Outer Trim



Black Eyelid Trim



White Eyelid Trim



Black Grill Trim

Technical

Construction

Case Material	Polycarbonate
Trim Colour Options	White / Black / Chrome
Dimensions	Diameter: 320mm x Depth: 82mm

Product Details

Range Variants	Standard / Eyelid / Grill
Trim Options	White / Black / Chrome
Applications	Commercial or Residential
Installation Options	Clip on Trim
UKCA & CE Compliant	Yes
RoHS Compliant	Yes

Product Family

No Trim

sku	type	trim style
BHST3X5	Standard	No Outer Trim
BHMW3X5	Microwave Sensor	No Outer Trim
BHEM3X5	Emergency	No Outer Trim
BHMWEM3X5	Microwave Sensor + Emergency	No Outer Trim
BHPH3X5	Photocell Dusk-Dawn	No Outer Trim

Chrome Outer Trim

sku	type	trim style
BHST3X5-CHR	Standard	Chrome Outer Trim
BHMW3X5-CHR	Microwave Sensor	Chrome Outer Trim
BHEM3X5-CHR	Emergency	Chrome Outer Trim
BHMWEM3X5-CHR	Microwave Sensor + Emergency	Chrome Outer Trim
BHPH3X5-CHR	Photocell Dusk-Dawn	Chrome Outer Trim

Black Grill Trim

sku	type	trim style
BHST3X5-GRBLK	Standard	Black Grill Trim
BHMW3X5-GRBLK	Microwave Sensor	Black Grill Trim
BHEM3X5-GRBLK	Emergency	Black Grill Trim
BHMWEM3X5-GRBLK	Microwave Sensor + Emergency	Black Grill Trim
BHPH3X5-GRBLK	Photocell Dusk-Dawn	Black Grill Trim

White Outer Trim

sku	type	trim style
BHST3X5-WH	Standard	White Outer Trim
BHMW3X5-WH	Microwave Sensor	White Outer Trim
BHEM3X5-WH	Emergency	White Outer Trim
BHMWEM3X5-WH	Microwave Sensor + Emergency	White Outer Trim
BHPH3X5-WH	Photocell Dusk-Dawn	White Outer Trim

Black Eyelid Trim

sku	type	trim style
BHST3X5-EYBLK	Standard	Black Eyelid Trim
BHMW3X5-EYBLK	Microwave Sensor	Black Eyelid Trim
BHEM3X5-EYBLK	Emergency	Black Eyelid Trim
BHMWEM3X5-EYBLK	Microwave Sensor + Emergency	Black Eyelid Trim
BHPH3X5-EYBLK	Photocell Dusk-Dawn	Black Eyelid Trim

Black Outer Trim

sku	type	trim style
BHST3X5-BLK	Standard	Black Outer Trim
BHMW3X5-BLK	Microwave Sensor	Black Outer Trim
BHEM3X5-BLK	Emergency	Black Outer Trim
BHMWEM3X5-BLK	Microwave Sensor + Emergency	Black Outer Trim
BHPH3X5-BLK	Photocell Dusk-Dawn	Black Outer Trim

White Eyelid Trim

sku	type	trim style
BHST3X5-EYWH	Standard	White Eyelid Trim
BHMW3X5-EYWH	Microwave Sensor	White Eyelid Trim
BHEM3X5-EYWH	Emergency	White Eyelid Trim
BHMWEM3X5-EYWH	Microwave Sensor + Emergency	White Eyelid Trim
BHPH3X5-EYWH	Photocell Dusk-Dawn	White Eyelid Trim