

BALHAM.



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 tri-colour switchable 3000K, 4200K, 6500K
- ✓ 3hr Emergency maintained and non-maintained.
- ✓ 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



2021 No. 1095



Technical Specification

Product Details

Range Variants	Standard / Microwave / Emergency / Microwave + Emergency / Photocell / Stepped Dimming
Trim Options	White / Chrome / Grill / Eyelid
Installation Options	Commercial or Residential Basement, Car Parks, Entrances, Toilets, Corridors, Pathways, Stairwells, Utility and Exterior Areas
UKCA & CE Compliant	Yes
RoHS Compliant	Yes
Guarantee Period	3 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: 92mm
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)	18.0W
Battery Type	LifePO4 (Lithium)
Battery voltage	3.2V 1500mAh
Battery Life	>3 hours
Power Factor	0.9 pf
Earth Protection	Class II
Energy Rating	G
Driver	Integrated Constant Current 260mA
Dimmable	No

LED Data

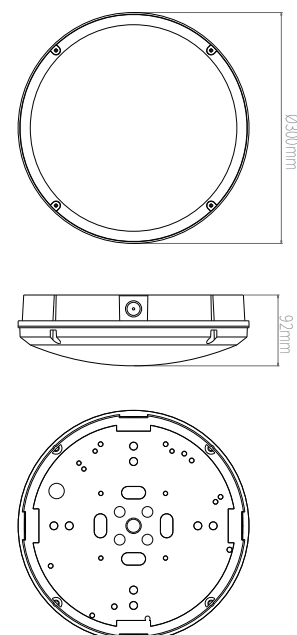
LED Type	SMD (Surface Mounted Diode)
LED Microchip	2835
Lumens	1600 lm
Lumens per watt	89.0 lm/W
Lumens in Emergency mode	190 lm
Colour Rendering Index	>=80 CRI
Colour Temperature	3000K, 4200K or 6500K
Beam Angle	120°
Instantaneous Illumination	Yes: <1 second
Hg 0% (Mercury Free)	Yes
LED Lifetime	35,000 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 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
Weight	0.3kg

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
BHST18-CCT	Standard	No Outer Trim
BHMW18-CCT	Microwave Sensor	No Outer Trim
BHEM18-CCT	Emergency	No Outer Trim
BHMWEM18-CCT	Microwave Sensor + Emergency	No Outer Trim
BHPH18-CCT	Photocell Dusk-Dawn	No Outer Trim
BHSD18-CCT	Stepped Dimming	No Outer Trim

White Outer Trim

sku	type	trim style
BHST18-CCT-WH	Standard	White Outer Trim
BHMW18-CCT-WH	Microwave Sensor	White Outer Trim
BHEM18-CCT-WH	Emergency	White Outer Trim
BHMWEM18-CCT-WH	Microwave Sensor + Emergency	White Outer Trim
BHPH18-CCT-WH	Photocell Dusk-Dawn	White Outer Trim
BHSD18-CCT-WH	Stepped Dimming	White Outer Trim

Black Outer Trim

sku	type	trim style
BHST18-CCT-BLK	Standard	Black Outer Trim
BHMW18-CCT-BLK	Microwave Sensor	Black Outer Trim
BHEM18-CCT-BLK	Emergency	Black Outer Trim
BHMWEM18-CCT-BLK	Microwave Sensor + Emergency	Black Outer Trim
BHPH18-CCT-BLK	Photocell Dusk-Dawn	Black Outer Trim
BHSD18-CCT-BLK	Stepped Dimming	Black Outer Trim

Chrome Outer Trim

sku	type	trim style
BHST18-CCT-CHR	Standard	Chrome Outer Trim
BHMW18-CCT-CHR	Microwave Sensor	Chrome Outer Trim
BHEM18-CCT-CHR	Emergency	Chrome Outer Trim
BHMWEM18-CCT-CHR	Microwave Sensor + Emergency	Chrome Outer Trim
BHPH18-CCT-CHR	Photocell Dusk-Dawn	Chrome Outer Trim
BHSD18-CCT-CHR	Stepped Dimming	Chrome Outer Trim

Black Eyelid Trim

sku	type	trim style
BHST18-CCT-EYBLK	Standard	Black Eyelid Trim
BHMW18-CCT-EYBLK	Microwave Sensor	Black Eyelid Trim
BHEM18-CCT-EYBLK	Emergency	Black Eyelid Trim
BHMWEM18-CCT-EYBLK	Microwave Sensor + Emergency	Black Eyelid Trim
BHPH18-CCT-EYBLK	Photocell Dusk-Dawn	Black Eyelid Trim
BHSD18-CCT-EYBLK	Stepped Dimming	Black Eyelid Trim

White Eyelid Trim

sku	type	trim style
BHST18-CCT-EYWH	Standard	White Eyelid Trim
BHMW18-CCT-EYWH	Microwave Sensor	White Eyelid Trim
BHEM18-CCT-EYWH	Emergency	White Eyelid Trim
BHMWEM18-CCT-EYWH	Microwave Sensor + Emergency	White Eyelid Trim
BHPH18-CCT-EYWH	Photocell Dusk-Dawn	White Eyelid Trim
BHSD18-CCT-EYWH	Stepped Dimming	White Eyelid Trim

Black Grill Trim

sku	type	trim style
BHST18-CCT-GRBLK	Standard	Black Grill Trim
BHMW18-CCT-GRBLK	Microwave Sensor	Black Grill Trim
BHEM18-CCT-GRBLK	Emergency	Black Grill Trim
BHMWEM18-CCT-GRBLK	Microwave Sensor + Emergency	Black Grill Trim
BHPH18-CCT-GRBLK	Photocell Dusk-Dawn	Black Grill Trim
BHSD18-CCT-GRBLK	Stepped Dimming	Black Grill Trim