

**TOUGH SHELL PRO BULKHEAD MICROWAVE SENSOR 325MM DIA IP66  
8/12/16W 3000/4000/6000K IK10 120 BEAM NON-DIMM WHITE 120LM/W**

ILBHA072



The Integral LED Tough Shell Pro offers 120lm/W efficacy and modular functionality for easy and effective illumination in any setting. Suitable for indoor and outdoor installations, the luminaire’s polycarbonate body offers IK10 and IP66 protection to withstand even the toughest environments, whilst the back-lit LED design with frosted diffuser provides even, shadow-free light distribution over a 110° beam angle. The housing features BESA mounting and 4 side conduit entry points to streamline installation. 3000K, 4000K and 6000K CCT and power switchable as standard to match the needs of any application, the Tough Shell Pro is compatible with a variety of accessories to upgrade the look and functionality of the luminaire. Easily upgrade a standard luminaire to emergency and/or sensor control including corridor functionality with plug & play modules. Supplied with a white bezel.

**Details**

<b>Quick Order Code:</b>	069435
<b>Barcode:</b>	5055788294481
<b>Category:</b>	Luminaires
<b>Range Name:</b>	Tough-Shell Pro
<b>Product Type:</b>	Bulkheads-Ceiling-Wall Lights
<b>Product Body Finish:</b>	Matt white
<b>Market Segment:</b>	Indoor and Outdoor Commercial, Industrial, Residential
<b>Features:</b>	Adjustable Microwave Sensor, CCT Switchable, Power Switchable
<b>Warranty (Years):</b>	5
<b>CE RoHS:</b>	Yes

**Physical Data**

<b>Product Depth (mm):</b>	75
<b>Product Weight (g):</b>	880
<b>Optic:</b>	Polycarbonate diffuser
<b>Material:</b>	Polycarbonate
<b>Overall diameter (mm):</b>	325
<b>Construction:</b>	Polycarbonate casing and diffuser
<b>Bulb or Luminaire Shape:</b>	Round
<b>Luminaire Fixing:</b>	Ceiling, Wall
<b>Placement / Application:</b>	Indoor, Outdoor, General Lighting
<b>Wiring / Mounting Options:</b>	Side conduit entry and BESA BOX fixing point

## Electrical Data

Power (W):	8/12/16
Power Consumption (W) :	8/12/16
Power Factor:	0.7
Voltage Range (v):	220-240
Amperage (mA):	200
Battery Configuration:	LiFePo4
Dimming:	Non-Dimmable
Driver Included:	Yes
Electric Current:	AC
EN:	EN-60598
LVD Certified:	Yes

## Light Data

Luminous Flux in Lumens (lm):	1200 to 2160
Luminous efficacy (lm/W):	120
Correlated Colour Temperature (CCT) (K):	3000/4000/6000
Colour Temperature Name:	Warm White / Cool White / Cool Daylight
Beam Angle:	120
Colour Rendering Index (CRI):	80
Frequency Range (Hz):	50/60
Instant on (Less than 1 second):	Yes
LED Type:	Surface mounted device (SMD)
Lifetime (hours):	50000
Sensor / Override:	No
Switching Cycles:	25000

## Environment

EN:	EN-60598
LVD Certified:	Yes
CE RoHS:	Yes
EU Luminaire:	L
Hg 0% (Mercury Free):	Yes
IK Rating (Impact Protection):	IK10
IP Rating (Ingress Protection):	IP65
Lowest Operating Temperature (°C):	-20
Maximum Operating Temperature (°C):	45

## Packaging

Package Weight (g):	700
Package Length (mm):	330
Package Width (mm):	80
Package Depth (mm):	330