

JC040202

Toughbay Pro

Toughbay Pro 100W (75W & 50W) IP65 5700K 90° 1-10V

Features & Benefits

- 100W, 150W and 200W options available with Wattage switch to adjust output where necessary
- Available in 60°, 90° and 120° degree beam angles
- 1-10V dimmable as standard
- Simple toolless conversion to Microwave dim or PIR dim sensing
- Remote control available to control PIR on/off, MW on/off and MW step dim
- Ultra efficient, up to 150 Lumens per circuit Watt
- Emergency options available
- Surface mount bracket also available
- 5 year warranty including 1 year on-site



General Information

Mounting	Suspended or Surface mount
Trade Name	Toughbay™ Pro
Environment	Demanding
Color Finish	Black
IK Rating	IK10
Overall Dimensions	240Ø x 155mm
Height (mm)	155
Diameter (mm)	240
Product Weight(kg)	1.6
Light Source	LED
Additional Information	Mains input cable supplied @1.5m
Luminaire Accessories	LEV71950- PIR Sensor, LEV71951- MW Sensor, LEV71808- Sensor Remote Control, JC040224- Surface Mount Bracket
Distance from lighted object	0.3m
IP Rating	IP65

Origin of manufacturer	Made in China
Warranty	5 Year Warranty(includes 1 year onsite)(see website for terms and conditions)
Dimming Protocol Compatibility	1-10V
Driver manufacturer	JCC
LED manufacturer/type	BMTC 2835
Customs Tariff code**	9405499090

Electrical

Voltage Rating	100-277
Primary Running Current(Amp)	1.6
Inrush current(Amps)	58A@130µs 230V~
Operating Frequency Hz	50/60
Secondary running current(mA)	320/400/480
Constant Current or Constant Voltage	Constant current
Luminaire Circuit Wattage1	100
Luminaire Circuit Wattage2	75
Luminaire Circuit Wattage3	50
Class	Class I
Output Voltage Max/Range (VDC)	180-260
Total Harmonic Distortion (THD)%	<15
EMC Compliant (EN55015)	Yes
Power Factor Correction	0.95
Input Electrical Connections	Live, Earth, Neutral
Dimmable	Yes, 1-10V only

Thermals

Operating Temperature Range °C	-20°C to +40°C
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Performance Data

LED Life (Hours)*	60000
Energy Rating	This product contains a light source of energy efficiency class C
Actual Lumen Output1	13650
Actual Lumen Output2	11330
Actual Lumen Output3	8000
Lumens Per Circuit Watt1	137
Lumens Per Circuit Watt2	151
Lumens Per Circuit Watt3	160
Color Rendering Index	80-89
CRI: Ra	82
Correlated Colour Temperature1	5700K
Beam Angle °	90
LOR (Light Output Ratio) %	100
Photometry Available	Yes

Construction

Primary Material
Outer Diffuser
Heat Sink
Driver Housing

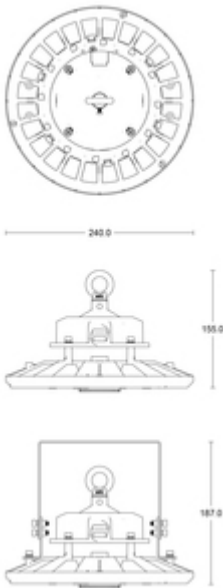
Aluminium
Polycarbonate
Aluminium
Aluminium

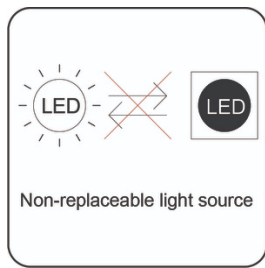
Packaging

Product carton overall dimensions(cm)	24.5 x 24.5 x 14.5
Product Packaged Weight(kg)	1.895
Quantity Per Outer Carton	6
Outer carton(L)- cm	52
Outer carton(W)- cm	47.5
Outer carton(H)- cm	27
Outer carton Net weight- kg	11.37
Outer carton Gross weight- kg	12.44
Product Bar Code EAN-13 Number	5052544122965
Outer carton Bar Code ITF-14 Number	15052544122962

Standards & Approvals

Manufactured in accordance to	BS 60598-1-2015
CE Marked	Yes
UKCA Marked	Yes
Date code/Purchase order No.	Yes
WEEE symbol	Yes
Certificate Of Conformity	Available on request
Accredited Members	LIA, ISO9001-2015, ISO14001-2015





*Hours life stated is an indication of expected L70 chip and light output calculations when operating in optimum conditions. Product warranty period supports the full product during the term given. The L70 hours expectancy is not correlated with the full product warranty term, nor is it a representation of lumen depreciation during the warranty period.

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