

JC040211

## Toughbay Pro Emergency

Toughbay Pro 150W (115W & 80W) IP65 5700K 120° 1-10V EM ST

### 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	359.4 x 270 x 198 cm
Length (mm)	359.4
Width (mm)	270
Height (mm)	198
Product Weight(kg)	3.45
Light Source	LED
Luminaire Accessories	LEV71950- PIR Sensor, LEV71951- MW Sensor, LEV71808- Sensor Remote Control, JC040224- Surface Mount Bracket
IP Rating	IP65
Origin of manufacturer	Made in China

Warranty	<b>5 Year Warranty(5 year on batteries)(includes 1 year onsite)</b> <b>(see website for terms and conditions)</b>
Dimming Protocol Compatibility	<b>1-10V</b>
Driver manufacturer	<b>JCC</b>
LED manufacturer/type	<b>BMTC 2835</b>
Customs Tariff code**	<b>9405499090</b>

## Electrical

Voltage Rating	<b>220-240</b>
Primary Running Current(Amp)	<b>2.0</b>
Inrush current(Amps)	<b>57A@200µs 230V~</b>
Operating Frequency Hz	<b>50/60</b>
Secondary running current(mA)	<b>370/500/620</b>
Constant Current or Constant Voltage	<b>Constant current</b>
Luminaire Circuit Wattage1	<b>150</b>
Luminaire Circuit Wattage2	<b>115</b>
Luminaire Circuit Wattage3	<b>80</b>
Class	<b>Class I</b>
Output Voltage Max/Range (VDC)	<b>180-260</b>
Total Harmonic Distortion (THD)%	<b>&lt;15</b>
EMC Compliant (EN55015)	<b>Yes</b>
Power Factor Correction	<b>0.95</b>
Input Electrical Connections	<b>Live permanent, Live Switched, Earth, Neutral</b>
Dimmable	<b>Yes, 1-10V only</b>

## Emergency Data

Load Voltage(DC)	<b>9-42</b>
LOR % in Emergency Mode	<b>Non-maintained EM pack- 899 Lumens output from dedicated light source</b>
Minimum Battery run time	<b>3 hours</b>
Recharge Time	<b>24 hours</b>
Inverter PFC	<b>0.5</b>

## Battery Data

Battery Specification	<b>2 cell 6.4V 3.6Ah</b>
Battery Type	<b>LiFePO4</b>
Nominal battery current	<b>90-110mA</b>
Charge Current	<b>200mA</b>
Recharge Time	<b>24 hours</b>
Deep Discharge Protection	<b>Yes</b>
Battery Total Weight(kg)	<b>0.18</b>

## Thermals

Operating Temperature Range °C	<b>0°C to +40°C</b>
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## Performance Data

LED Life (Hours)*	<b>60000</b>
Energy Rating	<b>This product contains a light source of energy efficiency class C</b>
Actual Lumen Output1	<b>21100</b>
Actual Lumen Output2	<b>17450</b>
Actual Lumen Output3	<b>13050</b>
Lumens Per Circuit Watt1	<b>141</b>
Lumens Per Circuit Watt2	<b>152</b>
Lumens Per Circuit Watt3	<b>163</b>
Color Rendering Index	<b>80-89</b>
CRI: Ra	<b>82</b>
Correlated Colour Temperature1	<b>5700K</b>
Beam Angle °	<b>120</b>
LOR (Light Output Ratio) %	<b>100</b>
Photometry Available	<b>Yes</b>

## Construction

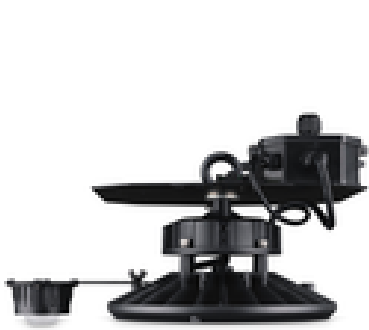
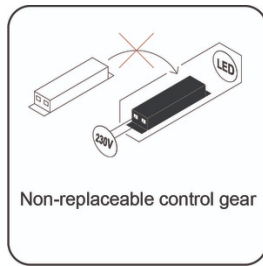
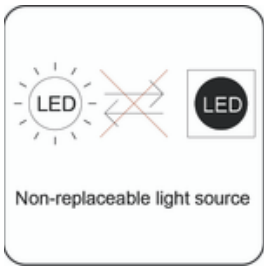
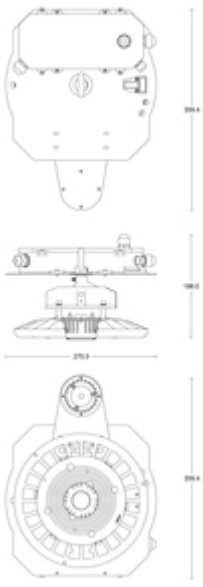
Primary Material	<b>Aluminium</b>
Outer Diffuser	<b>Polycarbonate</b>
Heat Sink	<b>Aluminium</b>
Driver Housing	<b>Aluminium</b>

## Packaging

Product Bar Code EAN-13 Number	<b>5052544123054</b>
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## Standards & Approvals

Manufactured in accordance to	<b>BS 60598-1-2-22 -2015</b>
CE Marked	<b>Yes</b>
UKCA Marked	<b>Yes</b>
Date code/Purchase order No.	<b>Yes</b>
WEEE symbol	<b>Yes</b>
Certificate Of Conformity	<b>Available on request</b>
Accredited Members	<b>LIA, ISO9001-2015, ISO14001-2015</b>



\*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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JCC Lighting LTD, Lux Park, Chichester Business Park, City Fields Way, Tangmere, Chichester, West Sussex, PO20 2FT.  
Sales: 01243 838999 (8am to 5pm Monday to Friday) Fax: 01243 838998 | [sales@jcc.co.uk](mailto:sales@jcc.co.uk) | [www.jcc.co.uk](http://www.jcc.co.uk)  
Company Registration Number: 03044848 | VAT Number: 918544112

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