

JC040217

## Toughbay Pro Emergency

Toughbay Pro 200W (150W & 100W) 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     | 370 x 290 x 194 cm                                                                                          |
| Length (mm)            | 370                                                                                                         |
| Width (mm)             | 290                                                                                                         |
| Height (mm)            | 194                                                                                                         |
| Product Weight(kg)     | 3.65                                                                                                        |
| 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                       | 5 Year Warranty(5 year on batteries)(includes 1 year onsite)<br>(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                       | 220-240                                       |
| Primary Running Current(Amp)         | 2.6                                           |
| Inrush current(Amps)                 | 57.6A@242µs 230V~                             |
| Operating Frequency Hz               | 50/60                                         |
| Secondary running current(mA)        | 500/670/830                                   |
| Constant Current or Constant Voltage | Constant current                              |
| Luminaire Circuit Wattage            | 200/150/100                                   |
| 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 permanent, Live Switched, Earth, Neutral |
| Dimmable                             | Yes, 1-10V only                               |

Emergency Data

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

Battery Data

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

Thermals

|                                |              |
|--------------------------------|--------------|
| Operating Temperature Range °C | 0°C to +40°C |
|--------------------------------|--------------|

Performance Data

|                              |                                                                   |
|------------------------------|-------------------------------------------------------------------|
| LED Life (Hours)*            | 60000                                                             |
| Energy Rating                | This product contains a light source of energy efficiency class C |
| Actual Lumen Output          | 26600/21700/15550                                                 |
| Lumens Per Circuit Watt      | 133/145/156                                                       |
| Color Rendering Index        | 80-89                                                             |
| CRI: Ra                      | 82                                                                |
| Correlated Color Temperature | 5700K                                                             |
| Beam Angle °                 | 120                                                               |
| LOR (Light Output Ratio) %   | 100                                                               |
| Photometry Available         | Yes                                                               |

Construction

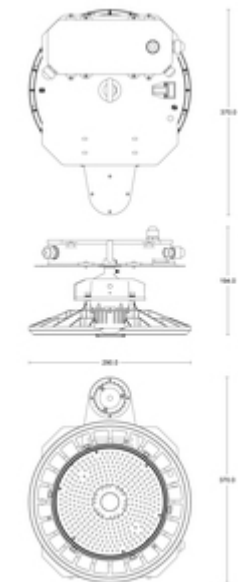
|                  |               |
|------------------|---------------|
| Primary Material | Aluminium     |
| Outer Diffuser   | Polycarbonate |
| Heat Sink        | Aluminium     |
| Driver Housing   | Aluminium     |

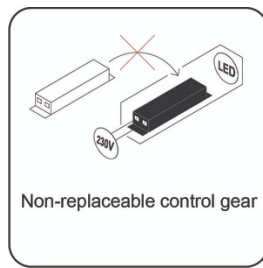
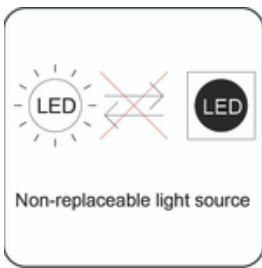
Packaging

|                                |               |
|--------------------------------|---------------|
| Product Bar Code EAN-13 Number | 5052544123115 |
|--------------------------------|---------------|

Standards & Approvals

|                               |                                  |
|-------------------------------|----------------------------------|
| Manufactured in accordance to | BS 60598-1-2-22 -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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