

# JC180034

## ToughLED™ Pro Emergency

ToughLED™ Pro 1500mm 5ft Single 33W IP66 4000K EM FR

### Features & Benefits

- High efficiency up to 145 LpcW, IP66, IK10
- 90° Lock-in-place side clip design, keeps clips clear during installation
- Detachable 4 pin terminal block with multiple positions adjacent to all cable entry points
- Inbuilt loop-in/loop-out cable restraints to ensure that cables do not clash when closing the fixture
- Plug & play emergency & microwave sensor modules with optional remote control
- Ultra-wide surface mount bracket rail to enable flexibility to locate joists
- Wide body for retrofitting BESA conduit box mounting, with rear, side and end conduit entry points
- Unique rear IP66 gasket, sealing cable entry from within the fixture for surface mounting applications
- 4ft, 5ft, 6ft single and twin light outputs in both opal and prismatic diffuser options
- Microwave step dimmable, DALI and 1-10V dimmable options available
- 5-year extended warranty on fixture and batteries, which uses LifePO4 batteries for improved performance and life



### General Information

Mounting	Surface or Suspended
Trade Name	ToughLED™ Pro
Environment	Suitable for exterior and interior applications
Suitable For Zones	Zone 1
Product Group	LED - Surface
Color Finish	Grey
Product Shape	Rectangular
Product Range	ToughLED™ Pro
IK Rating	IK10
Overall Dimensions	1570 x 96 x 81.3
Length (mm)	1570
Width (mm)	96
Height (mm)	81.3
Product Weight(kg)	2.05

Light Source	<b>LED</b>
Recommended product location	<b>Wall or Ceiling Mount or suspended, suitable for a wide variety of applications. Including Warehouses/storage facilities. Car parks and manufacturing.</b>
Distance from lighted object	<b>0.3m</b>
IP Rating	<b>IP66</b>
Origin of manufacturer	<b>Made in China</b>
Warranty	<b>5 Year Warranty (5 years on batteries) (See Website for terms and conditions)</b>
Driver manufacturer	<b>JCC</b>
LED manufacturer/type	<b>BMTC/2835</b>
Customs Tariff code**	<b>9405494000</b>

## Electrical

Voltage Rating	<b>220-240</b>
Primary Running Current(Amp)	<b>0.36</b>
Inrush current(Amps)	<b>20 @100us</b>
Operating Frequency Hz	<b>50/60Hz</b>
Secondary running current(mA)	<b>500</b>
Constant Current or Constant Voltage	<b>CC</b>
Luminaire Circuit Wattage1	<b>33</b>
Class	<b>I</b>
Output Voltage Max/Range (VDC)	<b>66VDC max</b>
Total Harmonic Distortion (THD)%	<b>&lt;20</b>
EMC Compliant (EN55015)	<b>Yes</b>
Power Factor Correction	<b>0.9</b>
Input Electrical Connections	<b>Switch Live, Unswitched Live, Earth, Neutral</b>
Dimmable	<b>No</b>

## Emergency Data

Load Voltage(DC)	<b>9-75</b>
LOR % in Emergency Mode	<b>7</b>
Minimum Battery run time	<b>3</b>
Recharge Time	<b>24 hours</b>
Inverter PFC	<b>0.5</b>

## Battery Data

Battery Specification	<b>6.4V 1600mAh</b>
Battery Type	<b>LifePO4</b>
Nominal battery current	<b>220-25mA</b>
Charge Current	<b>250mA</b>
Recharge Time	<b>24 hours</b>
Deep Discharge Protection	<b>Yes</b>
Battery Total Weight(kg)	<b>0.084</b>

Thermals

Thermal Cut Out	Yes
Operating Temperature Range °C	0 to +50

Performance Data

LED Life (Hours)*	54000
Energy Rating	This product contains a light source of energy efficiency class D
Actual Lumen Output1	4200
Lumens Per Circuit Watt1	127
Standard Deviation Colour Matching - SDCM	<5
Color Rendering Index	80-89
CRI: Ra	80
Correlated Colour Temperature1	4000K
Beam Angle °	120
LOR (Light Output Ratio) %	100
Photometry Available	Yes: available on request.

Construction

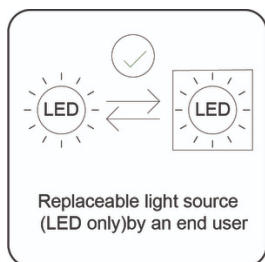
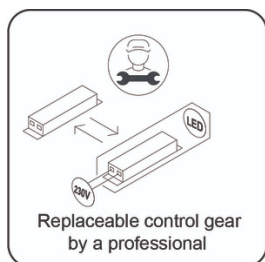
Primary Material	Polycarbonate
Outer Diffuser	Polycarbonate
Driver Housing	Polycarbonate

Packaging

Product carton overall dimensions(cm)	157.5 x 10 x 8.5
Product Packaged Weight(kg)	2.26
Quantity Per Outer Carton	9
Outer carton(L)- cm	159
Outer carton(W)- cm	31.5
Outer carton(H)- cm	27
Outer carton Net weight- kg	20.31
Outer carton Gross weight- kg	21.21
Product Bar Code EAN-13 Number	5052544113529
Outer carton Bar Code ITF-14 Number	15052544113526

Standards & Approvals

Manufactured in accordance to	BS EN 60598:2015, 2-1, 2-22
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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