JC180012

ToughLED™ Pro Emergency

ToughLED™ Pro 1200mm 4ft Single 22W IP66 4000K MW On/Off EM WOP

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	**1270 x 96 x 81.3**
Length (mm)	**1270**
Width (mm)	**96**
Height (mm)	**81.3**
Product Weight(kg)	**1.89**

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

Electrical

Voltage Rating	**220-240**
Primary Running Current(Amp)	**0.2**
Inrush current(Amps)	**20 @100us**
Operating Frequency Hz	**50/60Hz**
Secondary running current(mA)	**350**
Constant Current or Constant Voltage	**CC**
Luminaire Circuit Wattage1	**22**
Class	**I**
Output Voltage Max/Range (VDC)	**66VDC max**
Total Harmonic Distortion (THD)%	**‹20**
EMC Compliant (EN55015)	**Yes**
Power Factor Correction	**0.9**
Input Electrical Connections	**Switch Live, Unswitched Live, Earth, Neutral**
Dimmable	**No**

Emergency Data

Load Voltage(DC)	**9-75**
LOR % in Emergency Mode	**11**
Minimum Battery run time	**3**
Recharge Time	**24 hours**
Inverter PFC	**0.5**

Battery Data

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

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 E
Actual Lumen Output1	2400
Lumens Per Circuit Watt1	109
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.

Controls and Sensors

Detection Range	4-7m (Installed at 3m high)
Installation Height	2.5-6 m
Power Consumption	0.5-1W
Detection area	25%(up to 1.5m)/50%(up to 3m)/75%(up to 4.5m)/100%(up to 6m) using DIP switch. Or 25%(up to 1.5m)/50%(up to 3m)/100%(up to 6m) using remote control
Detection angle	Ceiling mount 150°
Hold time	6 secs, 90 secs, 5 mins, 15 min(DIP switch) 5sec/90sec/5min/10min/15min or 30min/60min/3Hr/+ ∞(infinity)(remote control)
Lux settings	Disable, 5 Lux, 15 Lux, 50 Lux(DIP switch or remote control))
Microwave frequency	5.8 GHz ±74.9 MHz.ISM wave band
Transmitting power	0.5mW Max
Sensor Default settings	(factory default settings are: Detection area: 100%, Hold time: 5 secs, Daylight Sensor: Disabled)

Construction

Primary Material	Polycarbonate
Outer Diffuser	Polycarbonate
Driver Housing	Polycarbonate

Packaging
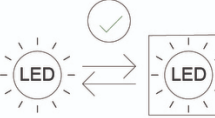
Product carton overall dimensions(cm)	127.5 x 10 x 8.5
Product Packaged Weight(kg)	2.10
Quantity Per Outer Carton	9

Outer carton(L)- cm	**129**
Outer carton(W)- cm	**31.5**
Outer carton(H)- cm	**27**
Outer carton Net weight- kg	**18.86**
Outer carton Gross weight- kg	**19.66**
Product Bar Code EAN-13 Number	**5052544113338**
Outer carton Bar Code ITF-14 Number	**15052544113335**

Standards & Approvals

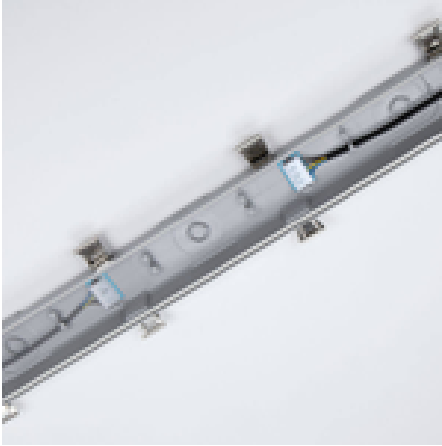|	
Manufactured in accordance to	**BS EN 60598:2015, 2-1, 2-22**
CE Marked	**Yes**
UKCA Marked	**Yes**
Date code/Purchase order No.	**Yes**
WEEE symbol	**Yes**
Certificate Of Conformity	**Available on request**
Accredited Members	**LIA, ISO9001-2015, ISO14001-2015**

81.3

96.9

1270
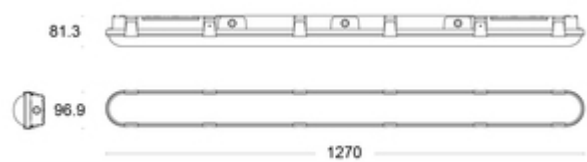
Replaceable light source
(LED only)by an end user

Replaceable control gear
by a professional

*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.

**JCC Lighting Limited makes every effort to ensure that the Customs Tariff information in this document is timely and accurate. However, it's not possible for us to assure the absolute veracity and completeness of that information, as errors may occur. The placement of any inaccurate tariff information is completely unintentional. JCC Lighting Limited reserves the right, in its sole discretion, to correct any errors or omissions to the tariff code and to make any and all changes contained in this document at any time and without notice. It is the sole responsibility of the importer to ensure that the commodity code advised is correct for the products/goods being supplied by JCC Lighting Limited. JCC Lighting Limited does not assume any liabilities, losses, costs, and expenses arising out of or related to the importers use of this commodity code or the information related to the import of any JCC Lighting products.

This document is uncontrolled if printed, all information is subject to change   Version 308 [26/03/2025]