

JC180111

ToughLED Pro CCT Emergency

ToughLED™ Pro 4ft 23/29/35/41W 3000K/4000K/5700K IP66 WOP Microwave on/off Emergency

Features & Benefits

- Multi Wattage and CCT selectable
- 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
- High efficiency up to 165 lpcW, IP66, IK10
- 5-year extended warranty on fixture and batteries



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)	1.54
Light Source	LED
Light Source Features	3 CCT Selectable
Recommended product location	Wall or Ceiling Mount or suspended, suitable for a wide variety of applications. Including Warehouses/storage facilities. Car parks and manufacturing.
Method of fix	Mounting Brackets, Suspension chains or conduit mounting
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	Runlite/2835
Lighting Product Type 1	Maintained emergency
Customs Tariff code**	9405494000

Electrical

Voltage Rating	220-240
Primary Running Current(Amp)	0.2
Inrush current(Amps)	<20A @240V
Operating Frequency Hz	50/60
Secondary running current(mA)	350/450/550/650
Constant Current or Constant Voltage	Constant Current
Luminaire Circuit Wattage1	23
Luminaire Circuit Wattage2	29
Luminaire Circuit Wattage3	35
Luminaire Circuit Wattage4	41
Class	I
Output Voltage Max/Range (VDC)	12-57
Total Harmonic Distortion (THD)%	20A @ 100uS
EMC Compliant (EN55015)	Yes
Power Factor Correction	0.95
Input Electrical Connections	Live, Earth, Neutral
Dimmable	1-10V

Emergency Data

Load Voltage(DC)	9-75
LOR % in Emergency Mode	LOR % in EM=23W(9%)29W(7%)35W(6%)41W(5%)
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

Operating Temperature Range °C	0 to +50
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Performance Data

LED Life (Hours)*	102000
Energy Rating	This product contains a light source of energy efficiency class C
Actual Lumen Output1	3100
Actual Lumen Output2	4000
Actual Lumen Output3	4800
Actual Lumen Output4	5550
Lumens Per Circuit Watt1	135
Lumens Per Circuit Watt2	138
Lumens Per Circuit Watt3	138
Lumens Per Circuit Watt4	135
Standard Deviation Colour Matching - SDCM	<5
Color Rendering Index	80-89
CRI: Ra	80
Correlated Colour Temperature1	3000
Correlated Colour Temperature2	4000
Correlated Colour Temperature3	5700
Beam Angle °	120
LOR (Light Output Ratio) %	100
Photometry Available	Yes

Controls and Sensors

Detection Distance	4-7m (Installed at 3m high)
Detection Motion Speed	2.5-6 m
Detection Range	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	5 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

Construction

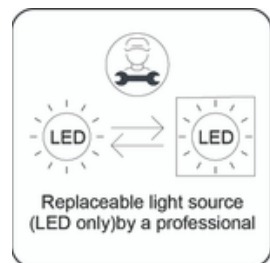
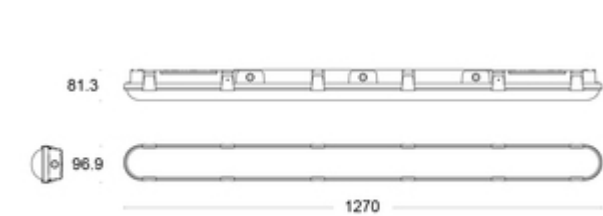
Primary Material	Polycarbonate
Outer Diffuser	Polycarbonate
Driver Housing	Polycarbonate

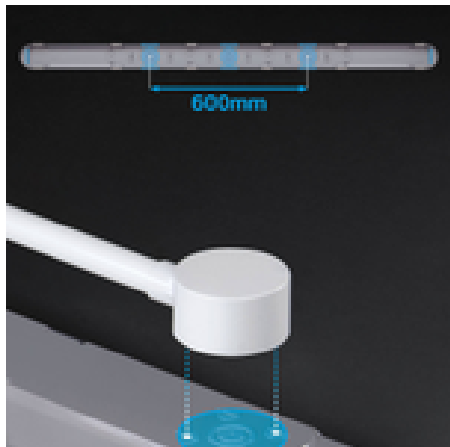
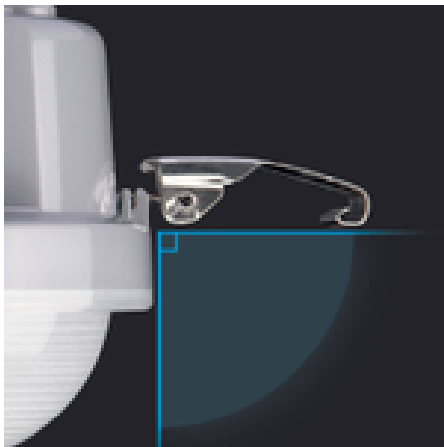
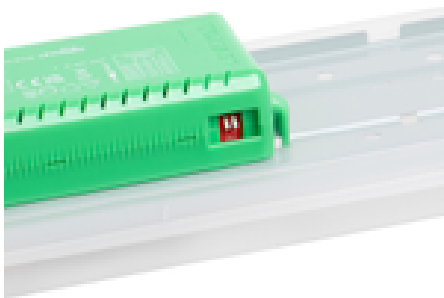
Packaging

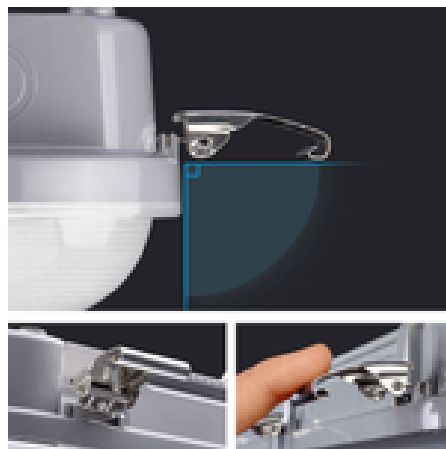
Product carton overall dimensions(cm)	127.5 x 10 x 8.5
Product Packaged Weight(kg)	1.7
Quantity Per Outer Carton	9
Outer carton(L)- cm	129
Outer carton(W)- cm	31.5
Outer carton(H)- cm	27
Outer carton Net weight- kg	15.26
Outer carton Gross weight- kg	16.06
Product Bar Code EAN-13 Number	5052544131141
Outer carton Bar Code ITF-14 Number	15052544131148

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	Available on request
Certificate Of Conformity	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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