JC180105

ToughLED Pro CCT Emergency

ToughLED™ Pro 4ft 41W 3000K/4000K/5700K IP66 FR Microwave dim Emergency

Features & Benefits

- 3 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)	**1.71**
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)	**20 @100us**
Operating Frequency Hz	**50/60Hz**
Secondary running current(mA)	**650**
Constant Current or Constant Voltage	**Constant Current**
Luminaire Circuit Wattage1	**41**
Class	**I**
Output Voltage Max/Range (VDC)	**40-56**
Total Harmonic Distortion (THD)%	**<20**
EMC Compliant (EN55015)	**Yes**
Power Factor Correction	**0.9**
Input Electrical Connections	**Permanent Live, Switched Live, Earth & Neutral**
Dimmable	**MW dim only**

Emergency Data

Load Voltage(DC)	**9-75**
LOR % in Emergency Mode	**LOR % in EM=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**

Performance Data

LED Life (Hours)*	**102000**
Energy Rating	**This product contains a light source of energy efficiency class C**
Actual Lumen Output1	**6000**
Lumens Per Circuit Watt1	**146**
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	**12m max radius (Installed at 3m high)**
Detection Motion Speed	**2.5-6 m**
Detection Range	**0.5-1W**
Detection area	**25%(up to 3m)/50%(up to 6m)/75%(up to 9m)/100%(up to 12m) using DIP switch. Or 25%(up to 3m)/50%(up to 6m)/100%(up to 12m) 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) Disable, 15 Lux, 50 Lux (remote control))**
Microwave frequency	**5.8 GHz ±74.9 MHz.ISM wave band**
Transmitting power	**1mW Max**
Standby period	**0s/5min/30min/+∞ 5min/30min/+∞ (Remote control)**
Standby-dimming level	**20% pre-set. 10% ,20%, 50% adjustable with remote control**

Sensor Default settings	**Detection area: 100%, Hold Time: 5S, Stand-by Period: 0S, Stand-by dim level:20%, Daylight Sensor: Disable**

Construction

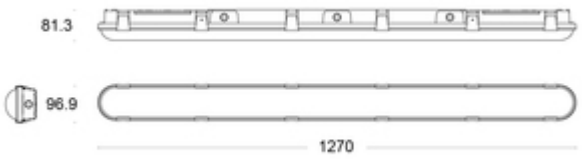
Primary Material	**Polycarbonate**
Outer Diffuser	**Polycarbonate**
Driver Housing	**Polycarbonate**

Packaging

Product carton overall dimensions(cm)	**127.5 x 10 x 8.5**
Product Packaged Weight(kg)	**1.87**
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	**16.8**
Outer carton Gross weight- kg	**17.60**
Product Bar Code EAN-13 Number	**5052544131066**
Outer carton Bar Code ITF-14 Number	**15052544131063**

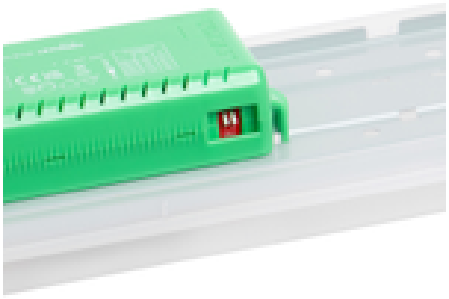
Standards & Approvals

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**

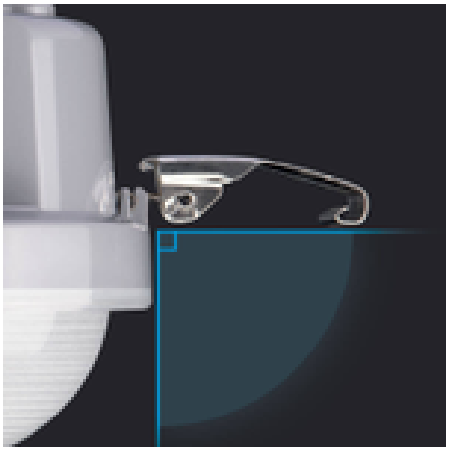


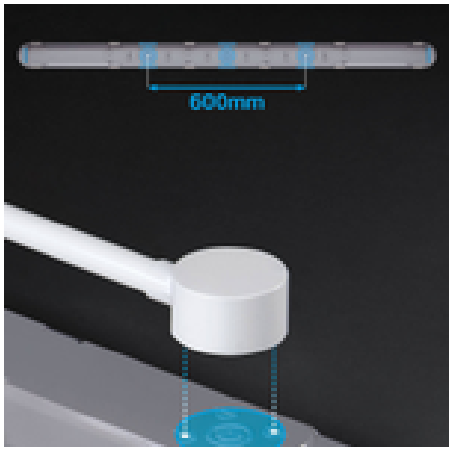
LEVITON

3000K/4000K/5700K



500
mm




600mm

*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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