

# JC180081

## ToughLED™ Pro

ToughLED™ Pro 1800mm 6ft Twin 72W IP65 4000K FR

### Features & Benefits

- High efficiency up to 145 lpcW
- 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 IP65 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



BEAM



CLASS I



CRI:RA



RATING



RATING



WARRANTY

### General Information

Mounting

**Surface or Suspended**

Environment

**Suitable for exterior and interior applications**

Suitable For Zones

**Zone 1**

Product Group

**LED - Surface**

Product Range

**ToughLED™ Pro**

IK Rating

**IK08**

Trade Name

**ToughLED™ Pro**

Color Finish

**Grey**

Product Shape

**Rectangular**

Product Weight(kg)

**2.15**

Overall Dimensions

**1870 x 96 x 81.3**

Light Source

**LED**

Recommended Product Location

**Wall or Ceiling Mount or suspended, suitable for a wide variety of applications. Including Warehouses/storage**

Method Of Fix	facilities. Car parks and manufacturing.
Distance From Lighted Object	Mounting Brackets, Suspension chains or conduit mounting
IP Rating	0.3m
Origin of manufacturer	IP65
Warranty	Made in China
Driver Manufacturer	2 years standard warranty extends to 5 years when registered within the first year of purchase (See Website for terms and conditions)
LED Manufacturer/Type	JCC
	BMTC/2835

## Electrical

Voltage Rating	220-240
Primary Running Current(Amp)	0.45
Inrush current(Amps)	17
Operating Frequency Hz	50/60Hz
Secondary running current(mA)	1250
Constant Current or Constant Voltage	CC
Luminaire Circuit Wattage	72
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	Live, Earth, Neutral
Dimmable	No

## Thermals

Thermal Cut Out	Yes
Operating Temperature Range °C	-20 to +50

## Performance Data

LED Life (Hours)	54000
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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.

Energy Rating	This product contains a light source of energy efficiency class D
Actual Lumen Output	8600
Lumens Per Circuit Watt	119
Standard Deviation Colour Matching - SDCM	<5
Color Rendering Index	80-89
CRI: Ra	80
Correlated Color Temperature	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)

187.5 x 10 x 8.5

Product Packaged Weight(kg)

2.46

Quantity Per Outer Carton

6

Outer carton(L)- cm

189

Outer carton(W)- cm

21.5

Outer carton(H)- cm

27

Outer carton Net weight- kg

14.74

Outer carton Gross weight- kg

15.69

Product Bar Code EAN-13 Number

5052544110320

Outer carton Bar Code ITF-14 Number

15052544110327

## Standards & Approvals

Manufactured In Accordance To

BS EN 60598:2015, 2-1

CE Marked

Yes

UKCA Marked

Yes

Date code/Purchase order No.

Yes

WEEE Symbol

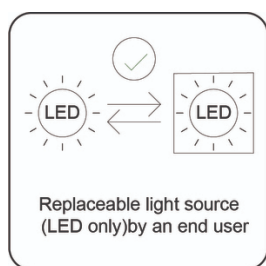
Yes

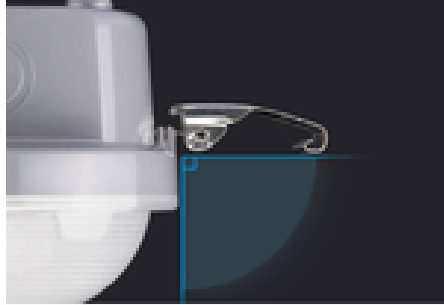
Certificate Of Conformity

Available on request

Accredited Members

LIA, ISO9001-2015, ISO14001-2115







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