

JC71931/80MW

Toughbay Linear

Toughbay Linear 100W 80° Beam Microwave Dimming

Features & Benefits

- Ultra efficient up to 140 lumens per circuit Watt
- IP65 protection against dust and moisture
- Multiple lenses available
- 1-10V dimmable as standard
- 30°x 60°, 50° and 80° lens option
- suitable for racking applications
- Step dimming available with remote control



CRI:RA



SENSING



WARRANTY



BEAM



RATING



CLASS I



DIMMABLE

General Information

Mounting

Surface Mounted

Environment

Indoor

Suitable For Zones

Zone 1

Product Group

LED - Surface

Product Range

Toughbay™ Linear

Trade Name

Toughbay

Color Finish

Black

Product Shape

Rectangular

Overall Dimensions

503mm x 125mm x 89mm

Light Source

LED

Light Source Features

Crisp White

Luminaire Accessories

Suspended chains + hook

Recommended Product Location

Warehouse applications

Method Of Fix

Suspension eye

Distance From Lighted Object

0.3m

IP Rating

IP65

Origin of manufacturer

Made in China

Warranty

2 years standard warranty extends to 7 years when

Dimming Protocol Compatibility
Driver Manufacturer
LED Manufacturer/Type
Lighting Product Type 1

registered within the first year of purchase (See Website for terms and conditions)
1-10V
Philips Xitanium
Philips Lumileds 3030
Linear Lighting

Electrical

Voltage Rating **220-240**
Operating Frequency Hz **50/60Hz**
Luminaire Circuit Wattage **100W**
Class **Class 1, must be earthed**
Total Harmonic Distortion (THD)% **<10%**
EMC Compliant (EN55015) **Yes**
Power Factor Correction **0.95 @ 230V~**
Input Electrical Connections **Live, Earth, Neutral**
Dimmable **Yes**

Thermals

Max Luminaire Ambient Temp. **45°C**

Performance Data

LED Life (Hours) **50000**

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 **14000**
Lumens Per Circuit Watt **140 LpcW**
Standard Deviation Colour Matching - SDCM **<6**
Color Rendering Index **50-79**
CRI: Ra **70**
Correlated Color Temperature **5700K**
LOR (Light Output Ratio) % **100**
Photometry Available **Yes**

Controls and Sensors

Detection Motion Speed **0.5~3m/s**
Installation Height **3-15M**
Overload Protection **yes, Auto reset**
Occupancy Sensor Mode of Operation **Vacancy (Default) or Auto On**
Detection Area **8M Max**
Detection Angle **150° (wall installation) 360° (ceiling installation)**
Microwave Frequency **5.8GHz+75MHz, ISM wave band**

Transmitting Power
Control

< 0.5mW
Microwave

Construction

Primary Material
Lens
Heat Sink
Driver Housing

Aluminum
Polycarbonate
Aluminium
Aluminium

Packaging

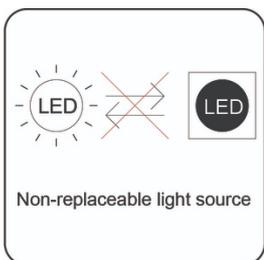
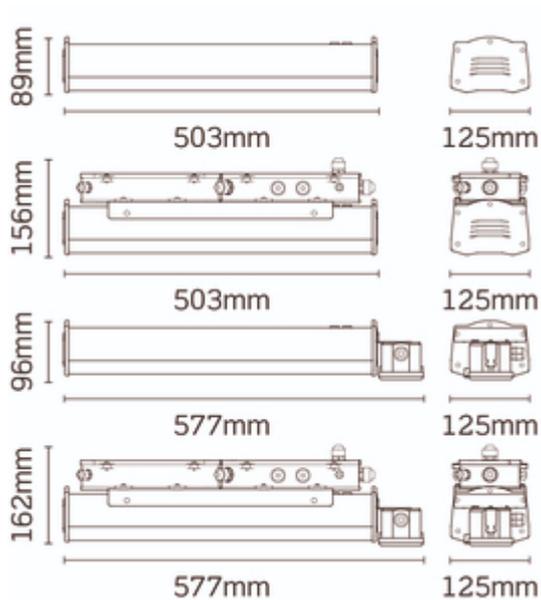
Quantity Per Outer Carton
Product Bar Code EAN-13 Number

1
5052544082245

Standards & Approvals

Manufactured In Accordance To
CE Marked
UKCA Marked
WEEE Symbol
Certificate Of Conformity
Accredited Members

BS 60598-1-2015-2-1
Yes
Yes
Yes
Available on request
LIA, ISO9001-2015, ISO14001-2015



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