

JC71931/80MWEM

Toughbay Linear Emergency

Toughbay Linear 100W 80° Beam Microwave Dimming Emergency

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



Sensor & Remote pack not shown- see profile drawing for dimensions



CLASS I



DIMMABLE EMERGENCY



BEAM



WARRANTY



SENSING



CRI:RA



RATING

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

577mm x 125mm x 162mm

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
Lighting Product Type 2

registered within the first year of purchase (2 year on batteries)(See Website for terms and conditions)
1-10V
Philips Xitanium
Philips Lumileds 3030
Linear Lighting
Emergency Lighting

Electrical

Voltage Rating **220-240**
Operating Frequency Hz **50/60Hz**
Luminaire Circuit Wattage **100W**
Class **II**
Total Harmonic Distortion (THD)% **< 10%**
EMC Compliant (EN55015) **Yes**
Power Factor Correction **0.95 @ 230V~**
Input Electrical Connections **Switched live(brown), un/switched live(black)neutral(blue) earth(yellow/green)**
Dimmable **Yes**

Emergency Data

Inverter PFC **0.88**

Battery Data

Battery Specification **7.2V 4Ah NiCd 6 Cells**
Battery Type **NiCd**
Nominal Battery Current **1.1 Amp**
Charge Current **140mA NOM**
Recharge Time **24 hours**

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	<0.5mW
Control	Microwave

Construction

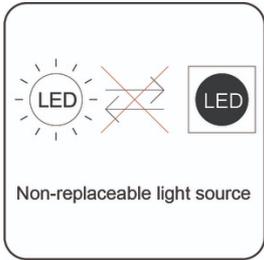
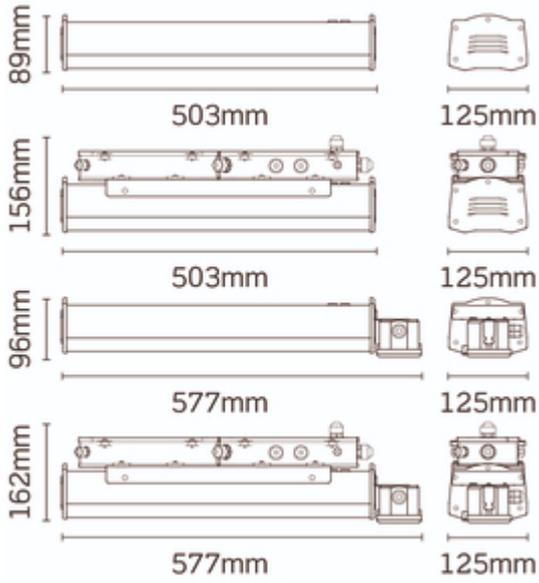
Primary Material	Aluminum
Lens	Polycarbonate
Heat Sink	Aluminium
Driver Housing	Aluminium

Packaging

Product Bar Code EAN-13 Number	5052544099724
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Standards & Approvals

Manufactured In Accordance To	BS 60598-1-2015, 2-22
CE Marked	Yes
UKCA Marked	Yes
WEEE Symbol	Yes
Certificate Of Conformity	Available on request
Accredited Members	LIA, ISO9001-2015, ISO14001-2015



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