

# JC71933/80MWEM

## Toughbay Linear Emergency

Toughbay Linear 200W 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



Em pack & sensor not shown- see profile drawing for dimensions



CLASS I



DIMMABLE EMERGENCY



BEAM



WARRANTY



SENSING



RATING



CRI:RA

### 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

**1065mm 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)  
Microwave dimmable  
Philips Xitanium  
Philips Lumileds 3030  
Linear Lighting  
Emergency Lighting

## Electrical

Voltage Rating **220-240**  
Operating Frequency Hz **50/60Hz**  
Luminaire Circuit Wattage **200W**  
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 **28000**  
Lumens Per Circuit Watt **140 LpcW**  
Standard Deviation Colour Matching - SDCM **< 6**  
Color Rendering Index **50-79**

CRI: Ra	<b>70</b>
Correlated Color Temperature	<b>5700K</b>
LOR (Light Output Ratio) %	<b>100</b>
Photometry Available	<b>Yes</b>

## Controls and Sensors

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

## Construction

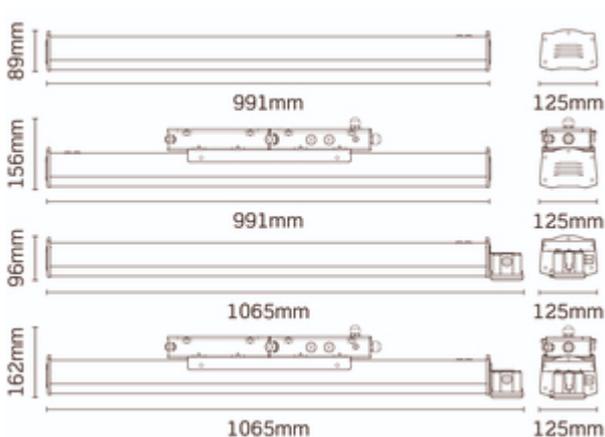
Primary Material	<b>Aluminum</b>
Lens	<b>Polycarbonate</b>
Heat Sink	<b>Aluminium</b>
Driver Housing	<b>Aluminium</b>

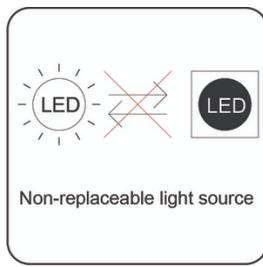
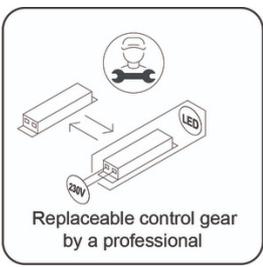
## Packaging

Product Bar Code EAN-13 Number	<b>5052544099847</b>
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## Standards & Approvals

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





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JCC Lighting LTD, Lux Park, Chichester Business Park, City Fields Way, Tangmere, Chichester, West Sussex, PO20 2FT.  
Sales: 01243 838999 (8am to 5pm Monday to Friday) Fax: 01243 838998 | [sales@jcc.co.uk](mailto:sales@jcc.co.uk) | [www.jcc.co.uk](http://www.jcc.co.uk)  
Company Registration Number: 03044848 | VAT Number: 918544112

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