

JC71834/90MW

**Toughbay High Output 150W - Dimmable - 90° - 140LPCW - CRI80 - 21200lm - Microwave Dimma**



## Features & Benefits

- Ultra efficient, 141 lumens per circuit Watt
- High CRI of 80, ensuring a true representation of colour
- Suitable for a wide range of operating temperatures, -30° to +60°
- Step dimming available with remote control (see p.341)
- Suitable for relative humidity levels of up to 90%
- 1-10V dimmable as standard

## General Information

<b>Product Group</b>	Toughbay™
<b>Product Range</b>	Circular
<b>Trade Name</b>	Toughbay
<b>Light Source</b>	LED
<b>Light Source Features</b>	Crisp White
<b>Lighting Product Type</b>	Ceiling Mount
<b>Product Shape</b>	Round

### JCC Lighting

Innovation Centre, Beeding Close, Southern Cross  
Trading Estate, Bognor Regis, West Sussex, PO22 9TS  
Company Registration Number: 03044848 | VAT Number: 918544112  
T: 01243 838999 | F: 01243 838998 | sales@jcc.co.uk | www.jcc.co.uk

<b>Mounting</b>	Surface Mounted
<b>Product Weight</b>	4kg
<b>Color Finish</b>	Black
<b>Overall Dimensions</b>	Ø320 x 242mm
<b>Recommended Product Location</b>	Retail and mezzanine applications
<b>Method Of Fix</b>	Suspension eye
<b>IP Rating</b>	IP65
<b>Environment</b>	Indoor
<b>Suitable For Zones</b>	Zone 1
<b>Luminaire Accessories</b>	JC71844 -Mounting Bracket
<b>Origin Of Manufacture</b>	Made in China
<b>Guarantee</b>	7 year warranty(inc 2 year on site)
<b>Dimming Protocol Compatibility</b>	1-10V
<b>Mounting Height</b>	5m for 150-200 lux: Please note this is to be used as a rough guide and does not replace the need for a lighting design
<b>Driver Manufacturer</b>	Philips Xitanium
<b>LED Manufacturer/Type</b>	Philips Lumileds 3030

## Electrical

<b>A Cable</b>	Yes
<b>Voltage Rating</b>	220-240
<b>Secondary Running Current</b>	1.05 Amp
<b>Primary Running Current</b>	0.7 - 0.71Amp
<b>Operating Frequency (Hz)</b>	50/60Hz
<b>CC or CV</b>	CC
<b>Luminaire Circuit Wattage</b>	150W
<b>Class</b>	Class 1, must be earthed
<b>Output Voltage (V)</b>	62-142VDC

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<b>Total Harmonic Distortion (THD)%</b>	<10%
<b>Power Factor Correction</b>	0.95 @ 230V~
<b>Input Electrical Connections</b>	live(brown) neutral(blue) earth(yellow/green)
<b>Dimmable</b>	Yes

## Dimming Type

<b>Control</b>	Microwave
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## Thermals

<b>Max Luminaire Ambient Temp.</b>	45°C
<b>Max Driver/Ballast Ambient Temp.</b>	from -30°C to 60°C
<b>Thermal Cut Out</b>	Yes(auto restart)

## Performance Data

<b>Energy Rating</b>	A++
<b>Actual Lumen Output</b>	21200
<b>Lumens Per Circuit Watt</b>	141 LpcW
<b>LED Life (Hours)</b>	54000
<b>Color Rendering Index</b>	80-89
<b>CRI: Ra</b>	80
<b>Correlated Color Temperature</b>	5700K
<b>Light Distribution Detail</b>	90-degree
<b>Photometry Available</b>	Yes
<b>Detection Motion Speed</b>	0.5~3m/s
<b>Installation Height</b>	3-15M
<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

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Transmitting Power	<0.5mW
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## Construction

Primary Material	Aluminum
Lens	Polycarbonate
Heat Sink	Aluminium
Driver Housing	Aluminium

## Packaging

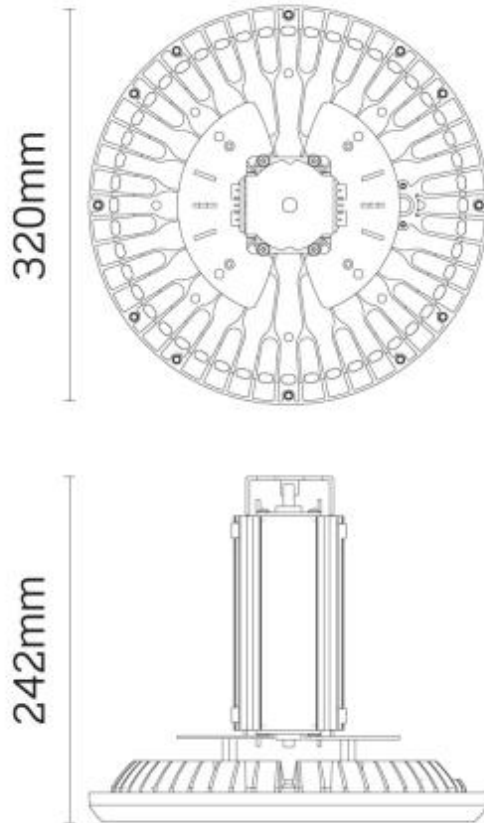
Luminaire Carton Dimensions	38.5 x 38.5 x 29.5cm
Quantity Per Outer Carton	1
Bar Code EAN Number	5052544082689
Packaged Weight	4.4kg

## Standards & Approvals

Listings	CE
Manufactured In Accordance To	BS 60598-1-2015
CE Marked	Yes
Batch Coded	Yes
WEEE Symbol	yes
Certificate Of Conformity	Available on request
Accredited Members	LIA, ISO9001-2015, ISO14001-2015

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