

JC71831/90MW

**Toughbay Base 150w - Dimmable - 90°- 120LPCW - CRI80 - 18400lm  
- Microwave Dimma**



## Features & Benefits

- Ultra efficient, 123 lumens per circuit Watt
- High CRI of 80, ensuring a true representation of colour
- Suitable for wide range of operating temperatures, -30° to +60°
- Step dimming available with remote control (see p.341)
- 1-10V dimmable as standard
- 60° and 90° beam angle options available

## General Information

<b>Product Group</b>	Toughbay™
<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
<b>Mounting</b>	Surface Mounted

### 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>Product Weight</b>	2.3kg
<b>Color Finish</b>	Black
<b>Overall Dimensions</b>	Ø270 x 171mm
<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>Origin Of Manufacture</b>	Made in China
<b>Guarantee</b>	5 year extended
<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>	Lifud
<b>LED Manufacturer/Type</b>	Jufei 3030

## Electrical

<b>A Cable</b>	Yes
<b>Voltage Rating</b>	220-240
<b>Secondary Running Current</b>	1.1-1.5Amp
<b>Primary Running Current</b>	0.7 Amp
<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>	80-130VDC
<b>Total Harmonic Distortion (THD)%</b>	<15%
<b>Power Factor Correction</b>	0.95 @ 230V~
<b>Input Electrical Connections</b>	live(brown) neutral(blue) earth(yellow/green)

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<b>Dimmable</b>	Yes
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## Dimming Type

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

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

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<b>Energy Rating</b>	A+
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<b>Actual Lumen Output</b>	18400
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<b>Lumens Per Circuit Watt</b>	123 LpcW
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<b>LED Life (Hours)</b>	36000
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<b>Color Rendering Index</b>	80-89
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<b>CRI: Ra</b>	80
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<b>Correlated Color Temperature</b>	5700K
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<b>Light Distribution Detail</b>	90-degree
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<b>Photometry Available</b>	Yes
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<b>Detection Motion Speed</b>	0.5~3m/s
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<b>Installation Height</b>	3-15M
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<b>Occupancy Sensor Mode of Operation</b>	Vacancy (Default) or Auto On
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<b>Detection Area</b>	8M Max
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<b>Detection Angle</b>	150° (wall installation) 360° (ceiling installation)
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<b>Microwave Frequency</b>	5.8GHz+75MHz, ISM wave band
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<b>Transmitting Power</b>	<0.5mW
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## Construction

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

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## Packaging

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<b>Luminaire Carton Dimensions</b>	39 x 39 x 21cm
<b>Quantity Per Outer Carton</b>	1
<b>Bar Code EAN Number</b>	5052544082627
<b>Packaged Weight</b>	3.9kg

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## Standards & Approvals

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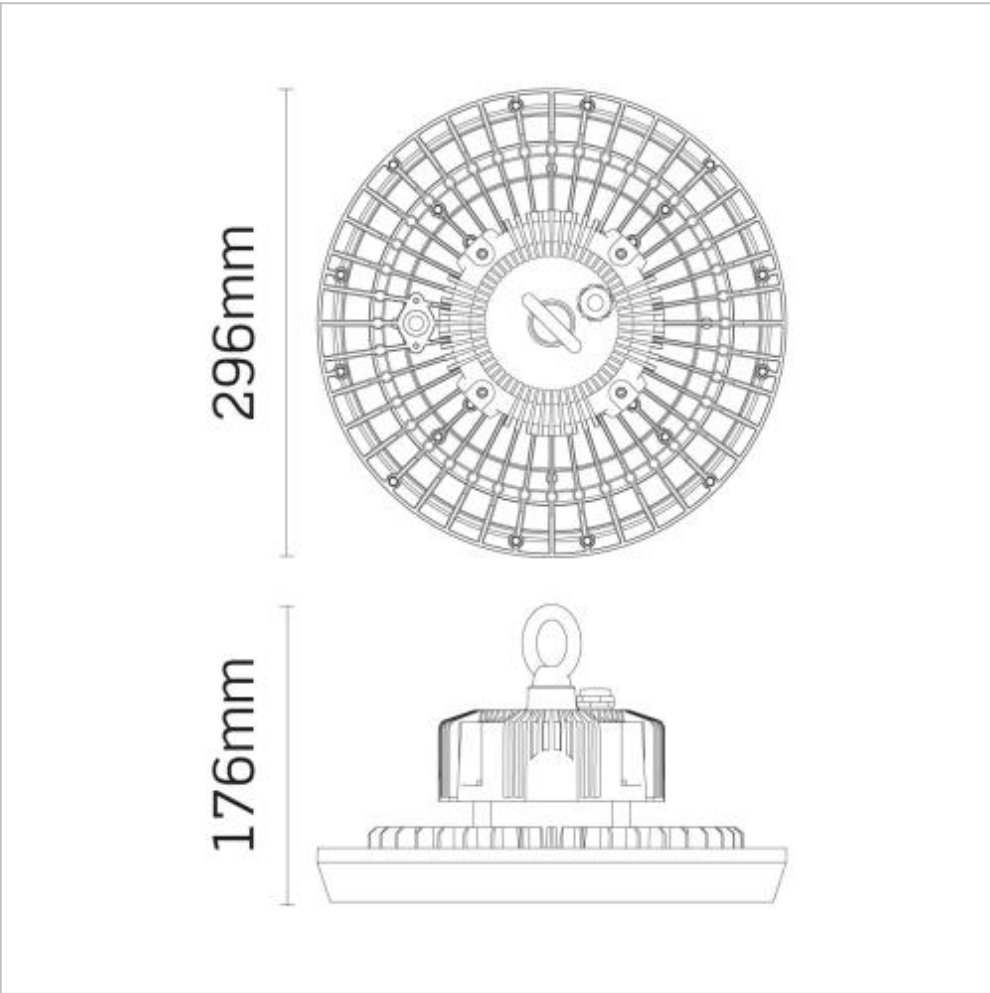
<b>Listings</b>	CE
<b>Manufactured In Accordance To</b>	BS 60598-1-2015
<b>CE Marked</b>	Yes
<b>Batch Coded</b>	Yes
<b>Certificate Of Conformity</b>	Available on request
<b>Accredited Members</b>	LIA, ISO9001-2015, ISO14001-2015

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