

JC040013

Toughbay Retrofit

Toughbay Retrofit 150W 90° 5700K IP65 G2

Features & Benefits

- Ultra efficient
- 123 Lumens per circuit Watt
- 1-10V dimmable as standard
- Suitable for extreme operating temperatures -30° to +60°
- Step dimmable available with microwave version and remote control
- High CRI of 80 ensuring a true representation of colour throughout its life
- Available in 60° 90° and 120° beam angle options
- 1.5m mains input cable



General Information

Mounting	Suspended
Trade Name	Toughbay
Environment	Demanding
Suitable For Zones	Zone 1
Product Group	Toughbay™ Retrofit Highbay
Color Finish	Black
Product Shape	Round
Product Range	Toughbay™ Circular Retrofit
IK Rating	IK10
Overall Dimensions	280Ø x 162mm
Height (mm)	162
Diameter (mm)	280
Product Weight(kg)	2.4
Light Source	LED
Light Source Features	Crisp White
Luminaire Accessories	Surface mount bracket JC040049
Recommended Product Location	Industrial applications, warehouse, retail and mezzanine
Method Of Fix	Suspension eye or surface mount bracket JC040049
Distance From Lighted Object	0.3m

IP Rating	IP65
Origin of manufacturer	Made in China
Warranty	5 Year Warranty (includes 1 year onsite)(See Website for terms and conditions)
Dimming Protocol Compatibility	1-10V
Mounting Height	8m 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
Driver Manufacturer	Sosen
LED Manufacturer/Type	Jufei 3030
Lighting Product Type 1	Bay Light
Lighting Product Type 2	Ceiling Mount
Customs Tariff code**	9405499090

Electrical

Voltage Rating	220-240
Primary Running Current(Amp)	1.8
Inrush current(Amps)	100 Amp max
Operating Frequency Hz	50/60Hz
Secondary running current(mA)	570-750
Constant Current or Constant Voltage	CC
Luminaire Circuit Wattage	150
Class	I
Total Harmonic Distortion (THD)%	10
EMC Compliant (EN55015)	yes
Power Factor Correction	0.97
Input Electrical Connections	live(brown) neutral(blue) earth(yellow/green)
Dimmable	Yes

Thermals

Thermal Cut Out	yes, auto recovery
Operating Temperature Range °C	-30 to +60

Performance Data

LED Life (Hours)*	36000
Energy Rating	This product contains a light source of energy efficiency class E
Actual Lumen Output	18400
Lumens Per Circuit Watt	123 LpcW
Standard Deviation Colour Matching - SDCM	<6
Color Rendering Index	80-89
CRI: Ra	80
Correlated Color Temperature	5700K
Beam Angle °	90
LOR (Light Output Ratio) %	100
Photometry Available	Yes

Construction

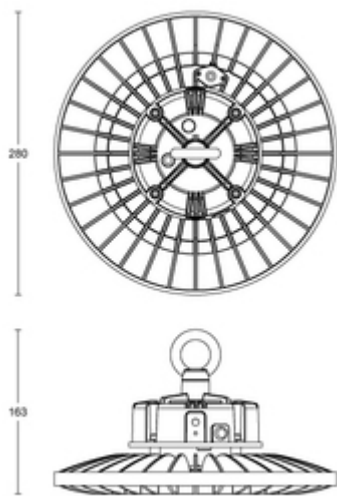
Primary Material	Aluminium
Lens	Polycarbonate
Heat Sink	Aluminium
Driver Housing	Aluminium

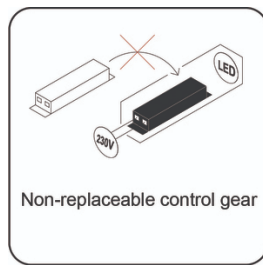
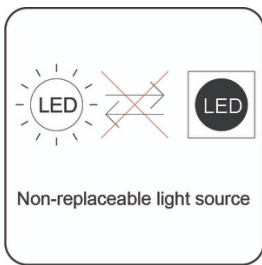
Packaging

Product Packaged Weight(kg)	3.1
Quantity Per Outer Carton	2
Outer carton(L)- cm	72
Outer carton(W)- cm	36
Outer carton(H)- cm	19
Outer carton Net weight- kg	6.6
Outer carton Gross weight- kg	7.2
Product Bar Code EAN-13 Number	5052544093159
Outer carton Bar Code ITF-14 Number	15052544093156

Standards & Approvals

Manufactured In Accordance To	BS 60598-1-2015
CE Marked	Yes
UKCA Marked	Yes
Date code/Purchase order No.	Yes
WEEE Symbol	Yes
Certificate Of Conformity	Available on request
Accredited Members	LIA, ISO9001-2015, ISO14001-2015





*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.

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