

JC040130

Toughbay Emergency

Toughbay™154W IP65 5700K 21750lm 1-10V dimmable 90° Emergency

Features & Benefits

- Ultra efficient, up to 150 Lumens per circuit Watt
- IP65, 1-10V dimmable as standard
- Suitable for extreme operating temperatures -40° to +40°
- Emergency and step dimmable available with microwave version and remote control
- High CRI of 84 ensuring a true representation of colour throughout its life
- Available in 60° 90° and 120° beam angle options



General Information

Mounting	Suspended
Trade Name	Toughbay™
Environment	Demanding
Suitable For Zones	Zone 1
Product Group	Highbay
Color Finish	Black
Product Shape	Round
Product Range	Toughbay™
IK Rating	IK10
Overall Dimensions	297.7Ø x 185.9mm
Height (mm)	185.9
Diameter (mm)	297.7
Product Weight(kg)	4.530
Light Source	LED
Additional Information	JC040149 Surface Mount bracket not suitable for EM version, suspension only
Recommended Product Location	Industrial applications, warehouse, retail and mezzanine
Method Of Fix	Suspension eye only, not suitable for surface mounting bracket

Distance From Lighted Object	0.3m
IP Rating	IP65
Origin of manufacturer	Made in China
Warranty	2 years standard warranty extends to 5 years when registered within the first year of purchase (2 year on batteries)(includes 1 year onsite) (See Website for terms and conditions)
Dimming Protocol Compatibility	1-10V APPROX LUX LEVEL/MOUNTING HEIGHT(M):-315(7M),247(8M), 200(9M), Please note this is to be used as a rough guide and does not replace the need for a lighting design
Mounting Height	
Driver Manufacturer	Lifud
LED Manufacturer/Type	Hongli -2835

Electrical

Voltage Rating	220-240
Primary Running Current(Amp)	0.9
Inrush current(Amps)	80 Amp max
Operating Frequency Hz	50/60Hz
Secondary running current(mA)	500-750
Constant Current or Constant Voltage	CC
Luminaire Circuit Wattage	154
Class	I
Output Voltage Max/Range (VDC)	180-260
Total Harmonic Distortion (THD)%	15
EMC Compliant (EN55015)	yes
Power Factor Correction	0.95
Input Electrical Connections	Switched live(brown), un/switched live(black)neutral(blue) earth(yellow/green)
Dimmable	Yes

Emergency Data

Load Voltage(DC)	90-200
LOR % in Emergency Mode	4.22
Inverter PFC	0.88

Battery Data

Battery Specification	7.2V 4Ah NiCd 6 Cells
Battery Type	Nickel Cadmium
Nominal Battery Current	1.1 Amp
Charge Current	140mA NOM
Recharge Time	24 hours
Battery Total Weight(kg)	0.7

Thermals

Operating Temperature Range °C-20 to +40

Performance Data

LED Life (Hours)54000

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 C
Actual Lumen Output	21750
Lumens Per Circuit Watt	141
Standard Deviation Colour Matching - SDCM	<6
Color Rendering Index	80-89
CRI: Ra	84
Correlated Color Temperature	5700K
Beam Angle °	90
LOR (Light Output Ratio) %	100
Photometry Available	Yes

Construction

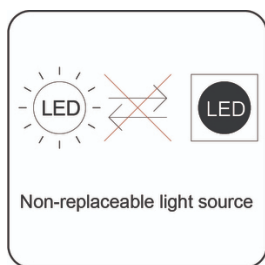
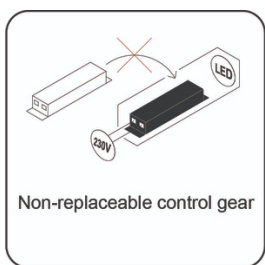
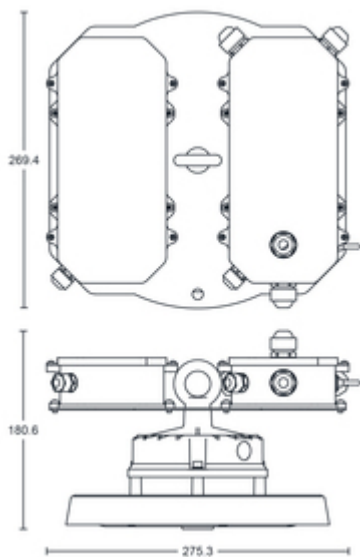
Primary Material	Aluminium
Lens	Polycarbonate
Heat Sink	Aluminium
Driver Housing	Aluminium

Packaging

Product carton overall dimensions(cm)	32 x 32 x 23cm
Product Packaged Weight(kg)	4.85
Quantity Per Outer Carton	1
Product Bar Code EAN-13 Number	5052544111181

Standards & Approvals

Manufactured In Accordance To	BS 60598-1-2-22 -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



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