

JC040158

Toughbay

Toughbay™200W IP65 5700K 30000lm 1-10V dimmable 120°

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
- This product contains a light source of energy efficiency class C
- 1 metre pre-wired input cable as standard



General Information

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|------------------------|---|
| 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 | 280Ø x 159mm |
| Height (mm) | 159 |
| Diameter (mm) | 280 |
| Product Weight(kg) | 2.88 |
| Light Source | LED |
| Additional Information | JC040174 Surface Mount bracket not suitable for the microwave dimmable version- suspension only. To adjust sensor settings Remote Control LEV71808 required(purchased separately) |
| Luminaire Accessories | JC040174-Surface Bracket |

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| Recommended Product Location | Industrial applications, warehouse, retail and mezzanine |
| 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 | APPROX LUX LEVEL/MOUNTING HEIGHT(M):-445(7M),348(8M), 286(9M), Please note this is to be used as a rough guide and does not replace the need for a lighting design |
| Driver Manufacturer | Lifud |
| LED Manufacturer/Type | Hongli -2835 |
| Customs Tariff code** | 9405499090 |

Electrical

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|--------------------------------------|---|
| Voltage Rating | 220-240 |
| Primary Running Current(Amp) | 1.1 |
| Inrush current(Amps) | 80 Amp max |
| Operating Frequency Hz | 50/60Hz |
| Secondary running current(mA) | 650-900 |
| Constant Current or Constant Voltage | CC |
| Luminaire Circuit Wattage | 200 |
| 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 | live(brown) neutral(blue) earth(yellow/green) |
| Dimmable | Yes |

Thermals

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|--------------------------------|------------|
| Operating Temperature Range °C | -40 to +40 |
|--------------------------------|------------|

Performance Data

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|---|---|
| LED Life (Hours)* | 54000 |
| Energy Rating | This product contains a light source of energy efficiency class C |
| Actual Lumen Output | 30000 |
| Lumens Per Circuit Watt | 150 |
| Standard Deviation Colour Matching - SDCM | <6 |
| Color Rendering Index | 80-89 |
| CRI: Ra | 84 |
| Correlated Color Temperature | 5700K |
| Beam Angle ° | 120 |

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|----------------------------|-----|
| LOR (Light Output Ratio) % | 100 |
| Photometry Available | Yes |

Controls and Sensors

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|------------------------------------|------------------------------|
| Occupancy Sensor Mode of Operation | Vacancy (Default) or Auto On |
|------------------------------------|------------------------------|

Construction

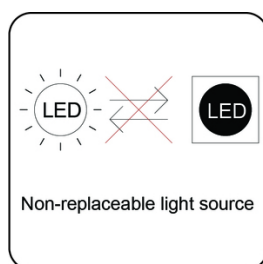
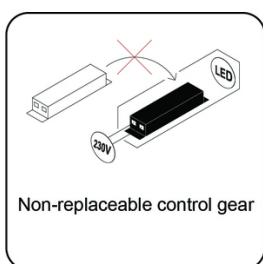
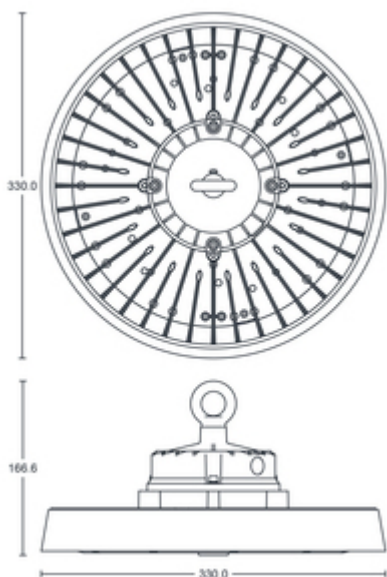
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|------------------|---------------|
| Primary Material | Aluminium |
| Lens | Polycarbonate |
| Heat Sink | Aluminium |
| Driver Housing | Aluminium |

Packaging

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|-------------------------------------|----------------|
| Product Packaged Weight(kg) | 2.88 |
| Quantity Per Outer Carton | 2 |
| Outer carton(L)- cm | 76 |
| Outer carton(W)- cm | 39 |
| Outer carton(H)- cm | 16.7 |
| Outer carton Net weight- kg | 6.74 |
| Outer carton Gross weight- kg | 7.35 |
| Product Bar Code EAN-13 Number | 5052544111464 |
| Outer carton Bar Code ITF-14 Number | 15052544111461 |

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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