

# Toughbay™ Range

Installation guide for Toughbay™ LED Highbay



## Important information

- It is recommended that luminaires are installed by a qualified electrician to ensure the installation complies with the local current wiring regulations.
- Any broken or damaged parts should be replaced as soon as possible. JCC will not accept responsibility for claims arising from sub-standard installations.
- It is recommended that the ambient room temperature should not exceed 45°C.
- Caution.** Risk of electric shock
- The external flexible cable or cord of this luminaire cannot be replaced; if the cord is damaged the luminaire shall be destroyed.
- These products are designed for connection to a 220-240V~50/60Hz supply.
- The light source of this luminaire is not replaceable by the end user. The light source contained in this luminaire shall only be replaced by the manufacture or their service agent or a similar qualified person.
- This luminaire is suitable for indoor and outdoor use.
- It may be necessary to upgrade your MCBs to allow for increased inrush current.
- This luminaire should be installed out of arms reach.
- Terminal block not included. Installation may require advice from a qualified person.

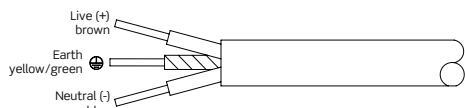
## INSTALLATION

**ENGLISH**

### Standard version connection

220-240V~ 50/60Hz / Class I

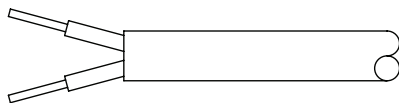
Figure 1. Mains input



### 1-10V Dimming control input

Figure 3.

Dim - (white)



Dim + (Black)

Terminal block must comply to EN 60998-2-1 or EN 60998-2-2

Terminal block specification:

Number of Ways	3
Mounting Type	Through Hole
Pitch	8mm
Current Rating	24A
Termination Method	Screw Down
Wire Size	2.5 mm <sup>2</sup>
Material	Nylon
Voltage Rating	380 V
Maximum Operating Temperature	+125°C
Contact Material	Brass
Contact Plating	Nickel

Terminal block must be IP65 waterproof for outdoor installation.

### Specifications Colour temp: 5700K Ra: 80

Toughbay™ Base	Lumens	LpcW	Beam
100W	12300	123	60°/90°
150W	18400	123	60°/90°
200W	24500	123	60°/90°
Toughbay™ Plus	Lumens	LpcW	Beam
100W	14500	145	60°/90°
150W	21200	141	60°/90°
200W	28000	140	60°/90°

Available finishes: Black(BLK)only

- Read instructions and check that you have all of the tools and accessories required to complete the installation correctly. Isolate power supply before starting the installation.

### Standard dimmable version installation procedure

- The luminaire comes with a fixed eye(s) for suspension as standard.
- For surface mounting please order correct bracket separately (see table below for details). Fit the bracket to a flat surface ensuring that fixings are suitable to hold the weight of the luminaire. Fit the luminaire to the bracket using the bolts supplied.
- Connect the mains input as shown in Fig.1, using a suitable connector to maintain the IP rating for the location. Alternatively connect using accessory JC71851 waterproof IP65 connector (not supplied). Please ensure that 3-core H07 RN-F cable is used.
- This luminaire is 1-10V dimmable as standard, if you wish to dim this fitting ensure that you connect the 1-10V dimming control wires as shown in Fig.3 to a 1-10V dimming system only. If no dimming is required please leave the terminals isolated.

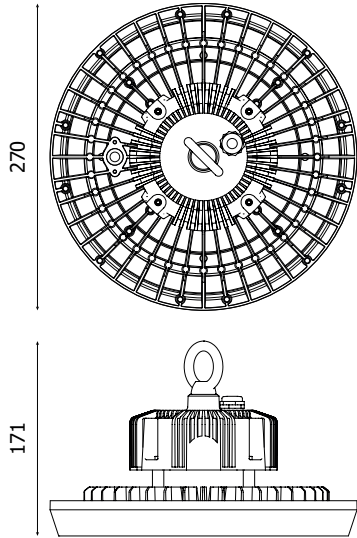
### Accessories

JC71840	Bracket for Toughbay Base 100W
JC71841	Bracket for Toughbay Base 150W
JC71842	Bracket for Toughbay Base 200W
JC71843	Bracket for Toughbay Plus 100W
JC71844	Bracket for Toughbay Plus 150W
JC71845	Bracket for Toughbay Plus 200W

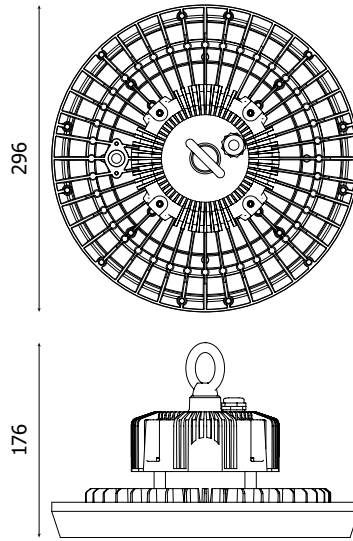
# Profile & Dimensions

## Toughbay™ Base

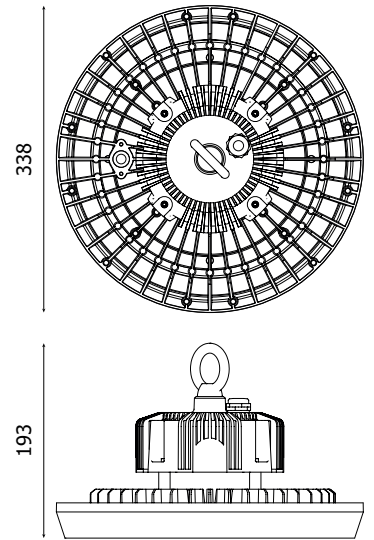
100W



150W

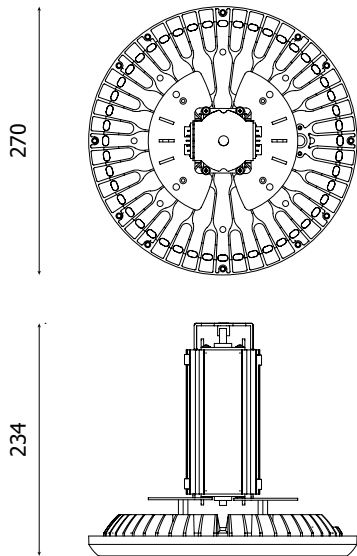


200W

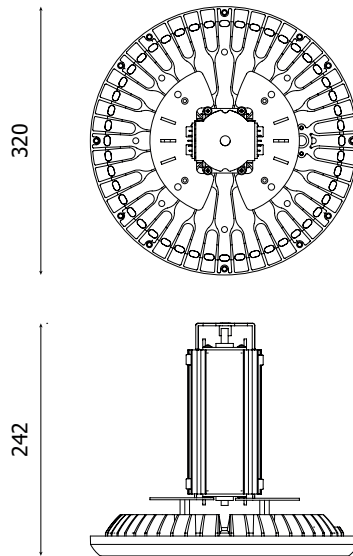


## Toughbay™ Plus

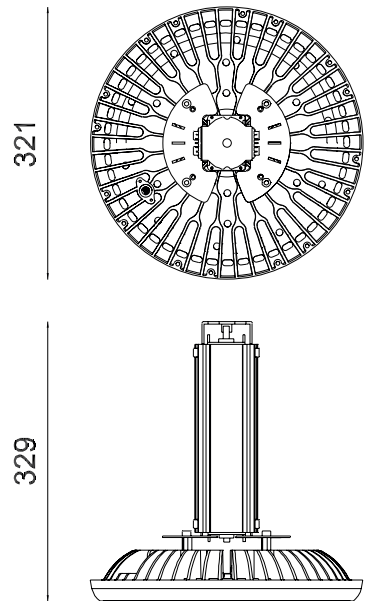
100W



150W



200W



All dimensions in millimetres

### Important warranty information

Toughbay™ Plus is supported by a 7 year extended warranty. Toughbay™ Base is supported by a 5 year extended warranty; which must be registered online at [jcc.co.uk/warranty](http://jcc.co.uk/warranty).

The installer will be asked to provide the following information, which is detailed on a label attached to the luminaire's chassis: Product Code/Batch Code.