

Toughbay™ Pro Range

Installation instructions for LED Highbay



Warning & cautions

- 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; which will void the warranty.
- This luminaire should be installed out of arms reach.
- The external flexible cable or cord of this luminaire cannot be replaced; if the cord is damaged the luminaire shall be destroyed.
- Terminal block not included. Installation may require advice from a qualified person.
- Caution. Risk of electric shock. ⚠
- The light source of this luminaire is not replaceable . This luminaire is suitable for indoor and outdoor use.
- It may be necessary to upgrade your MCBs to allow for increased inrush current.
- It is recommended that the ambient room temperature should not exceed 40°C.
- Ensure that you have the tools and accessories required to complete the installation correctly: Isolate the power before starting installation.
- Refer to Fig. 1 and Fig. 2 for input voltage for this range.
- 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.

INSTALLATION

ENGLISH

Wattage	Lumens	LpcW	Beam options
100W	14000	140	60°/90°/120°
150W	21000	140	60°/90°/120°
200W	28000	140	60°/90°/120°
200W HO*	34000	170	60°/90°/120°

Available finishes: Black only (HO* = High Output Versions)

Specifications

Colour Temp: 5700K(100/150/200W)(4000K 200W) **Ra:** 80
DALI version: 4000K/5700K selectable (100/150/200W)

Standard dimmable version installation procedure

1. The luminaire comes with a fixed eye(s) for suspension as standard.
2. For surface mounting please order correct bracket separately (JC040224). 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 with the bracket.
3. Connect the mains input as shown in Fig.1, using a suitable connector to maintain the IP rating for the location.(not supplied). Please ensure that suitable cable for the application is used.
4. Dimmable options available: 1-10V or DALI dimmable options, if you wish to dim this fitting ensure that you connect the 1-10V or DALI dimming control wires as shown in Fig.3 to a 1-10V or DALI dimming system only. If no dimming is required please leave the terminals isolated.

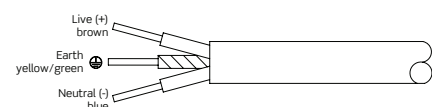
Emergency dimmable version installation procedure

1. The luminaire comes with a fixed eye(s) for suspension as standard.
2. Connect the mains input as shown in Fig.2, using the connector (supplied). Please ensure that suitable 4-core cable for the application is used.
To identify the correct terminals for mains input, unscrew/loosen the collar to expose the cables and match the connections to the corresponding colours in Fig.2
3. Once the mains supply is connected and the fitting is installed, connect batteries. The LED charge indicator will illuminate showing the fitting is in charge mode and is working correctly. Allow 24hrs for the batteries to charge prior to testing in emergency mode.
4. Dimmable options available: 1-10V or DALI dimmable options, if you wish to dim this fitting ensure that you connect the 1-10V or DALI dimming control wires as shown in Fig.3 to a 1-10V or DALI dimming system only. If no dimming is required please leave the terminals isolated.

Standard version connection

220-240V~ 50/60Hz / Class I ⚡
100-277V~ 50/60Hz / Class I ⚡ DALI only

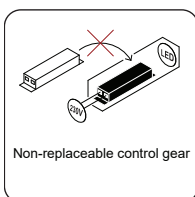
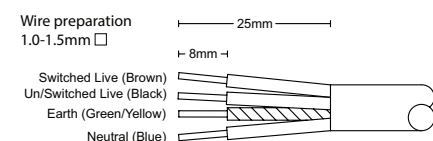
Figure 1. Mains input



Non-maintained Emergency version connection

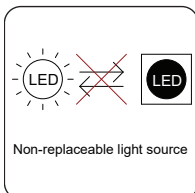
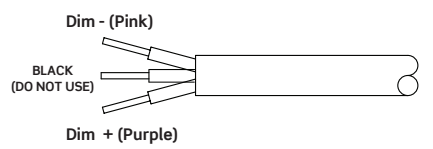
220-240V~ 50/60Hz / Class I ⚡

Figure 2.



1-10V or DALI Dimming control input

Figure 3.



UK CA CE ⚡ RoHS Compliant IP65 JCC.co.uk

Important warranty information

This product is supported by a 2-year standard warranty which will extend to 5 years if registered within the first year of purchase. (5 year on batteries). Please register at jcc.co.uk/warranty - Terms and conditions apply.

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

BS EN ISO9001 - 2015 - Registered Firm Certificate No. GB 1552
JCC Lighting Products Ltd. Lux Park, Chichester Business Park, City Fields Way, Tangmere, Chichester, West Sussex, PO20 2FT
Technical Support: +44(0)1243 838986 Customer Services: +44(0)1243 838999

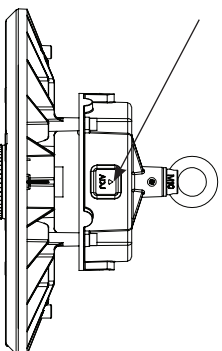
V12_March_2026_RS

POWER SELECTABLE

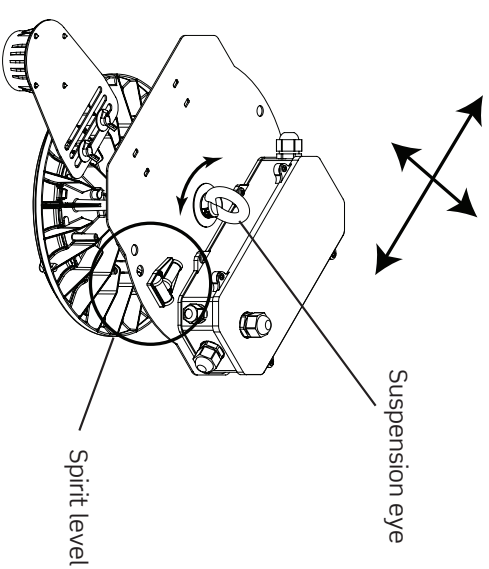
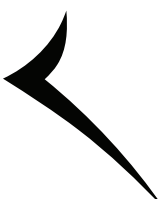
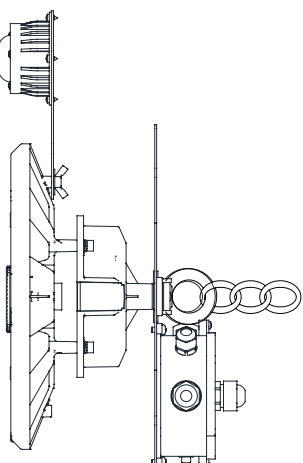
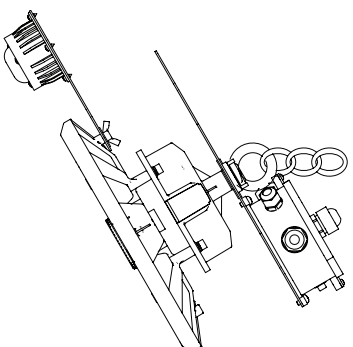
Select Wattage	←	●	→
100W		75W	50W

Select Wattage	←	●	→
150W		115W	80W

Select Wattage	←	●	→
200W		150W	100W



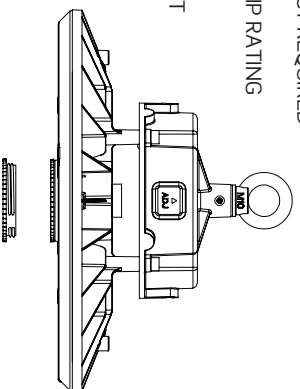
DALI CCT VERSION	
Select Wattage	Select CCT
←	→
100W	5700K
●	
150W	
→	4000K
200W	



TOUGHBAY™ PRO HAS THE OPTION TO CHANGE THE POWER OUTPUT OR CCT ON DALI VERSIONS

1. ISOLATE POWER
2. REMOVE RUBBER COVER AND SELECT REQUIRED OUTPUT OR CCT*
3. REFIT RUBBER COVER TO MAINTAIN IP RATING
4. TURN ON POWER

NOTE DEFAULT IS SET TO HIGH OUTPUT
*CCT selectable for DALI version only



TOUGHBAY™ PRO SENSORS NOT SUITABLE FOR USE WITH DALI VERSIONS

LEV71950 - PIR dim Sensor

LEV71951 - MW Dim Sensor

*Requires LEV71808 Remote control to operate sensors

When installing the emergency Toughbay Pro fittings, you must ensure that they are level. To assist with the correct installation we have added a spirit level to the top plate. To adjust the level, loosen the suspension eye locking screw under the EM plate, then loosen just enough to allow the plate to be adjusted using the spirit level as a guide. Once the fitting is levelled correctly, re-tighten the suspension eye and the locking screw to secure.

Isolate power before installing sensor

1. Remove blanking cap in the centre of the lens by rotating anti-clockwise

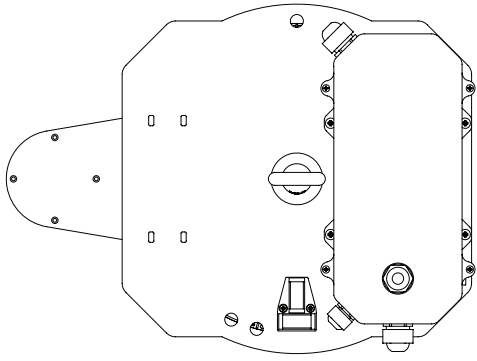
2. Fit chosen sensor making sure not to cross the threads and rotate clockwise until hand tight -do not over-tighten

Note: Both sensors are IP65 rated when installed correctly

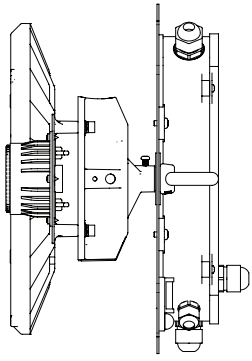
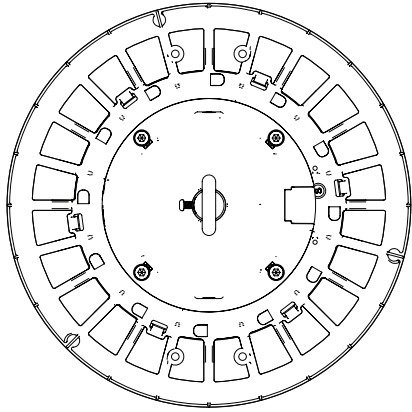
100W

Profile & Dimensions

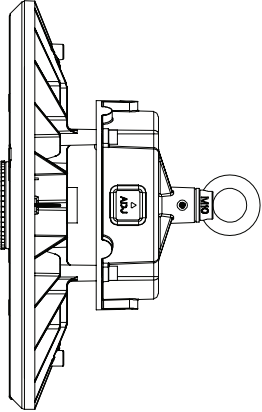
150W



359.4

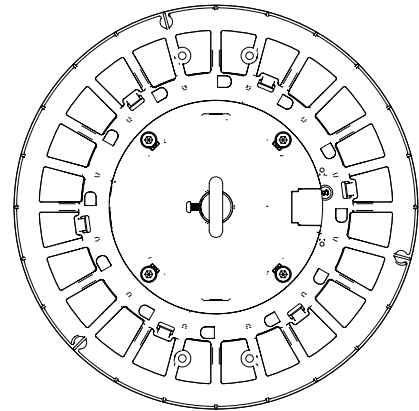


198.0



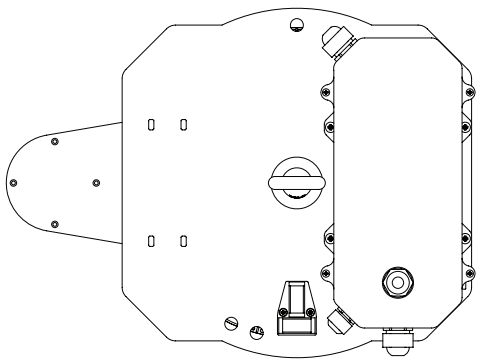
240.0

152.0

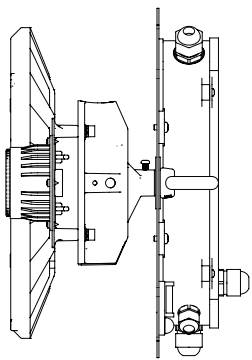


240.0

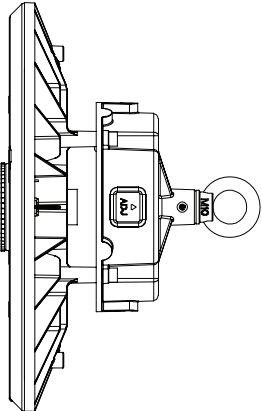
166.0



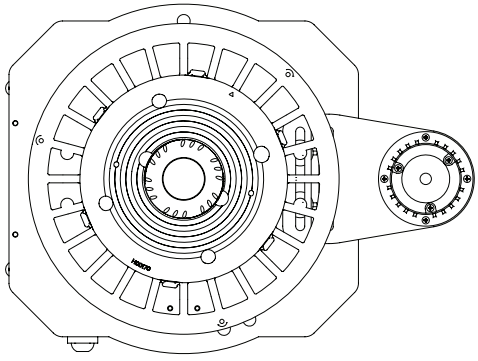
359.4



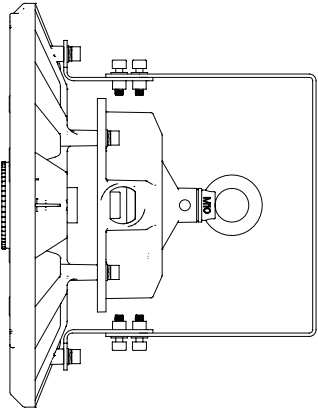
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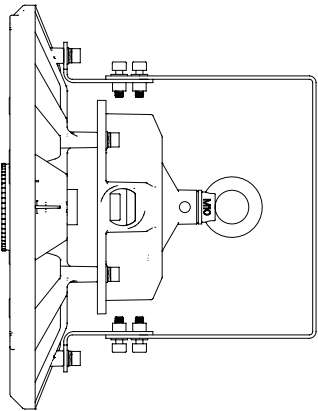
270.0



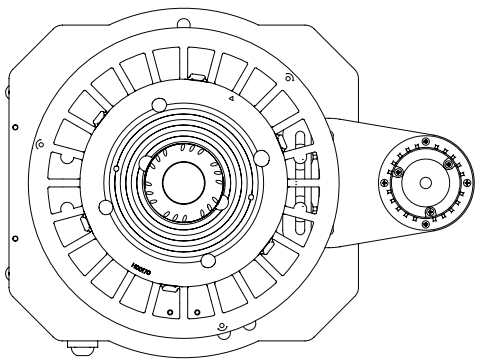
359.4



187.0



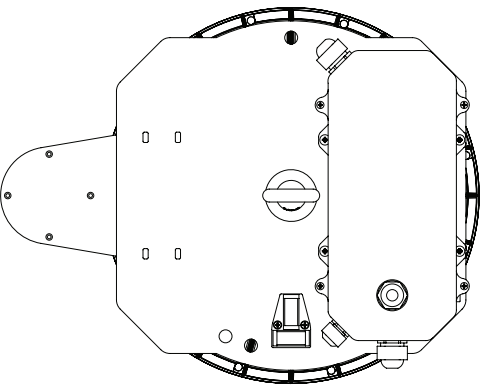
187.0



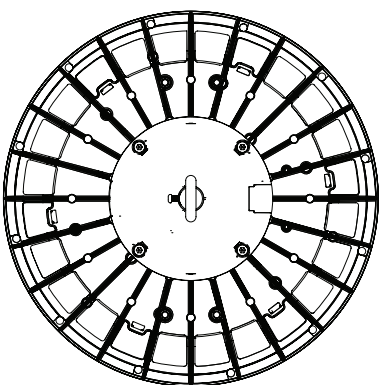
359.4

200W

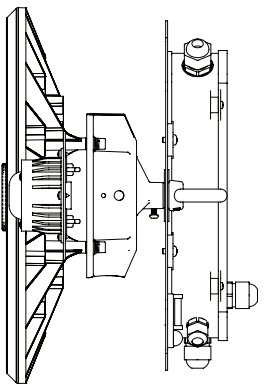
Profile & Dimensions



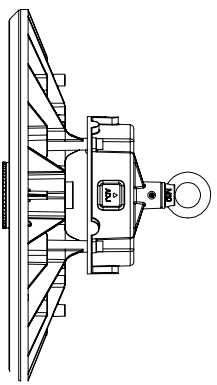
370.0



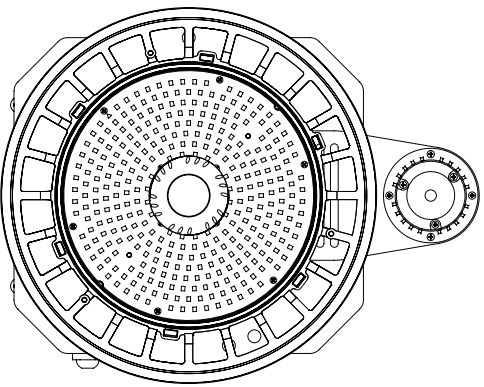
290.0



194.0

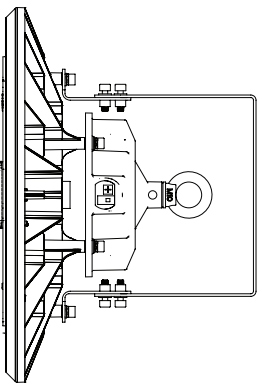


162.0



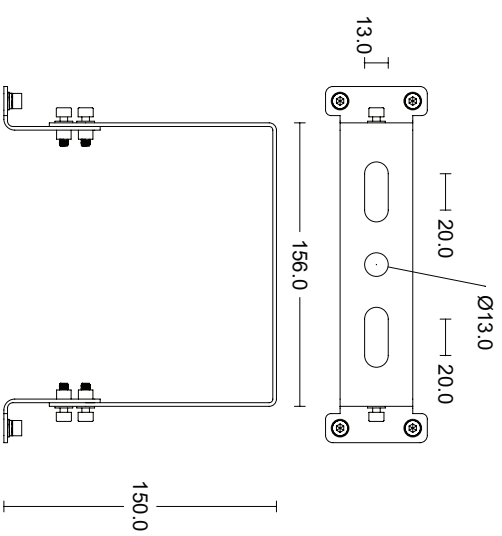
290.0

370.0



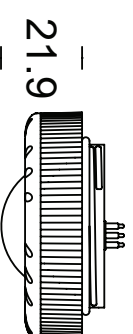
199.0

SURFACE BRACKET



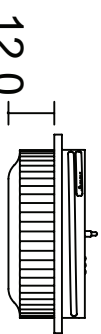
SURFACE MOUNT BRACKET - ALL WATTAGES
(NOT SUITABLE FOR EMERGENCY VERSIONS)

PIR DIM SENSOR



61.0

MW DIM SENSOR



44.0