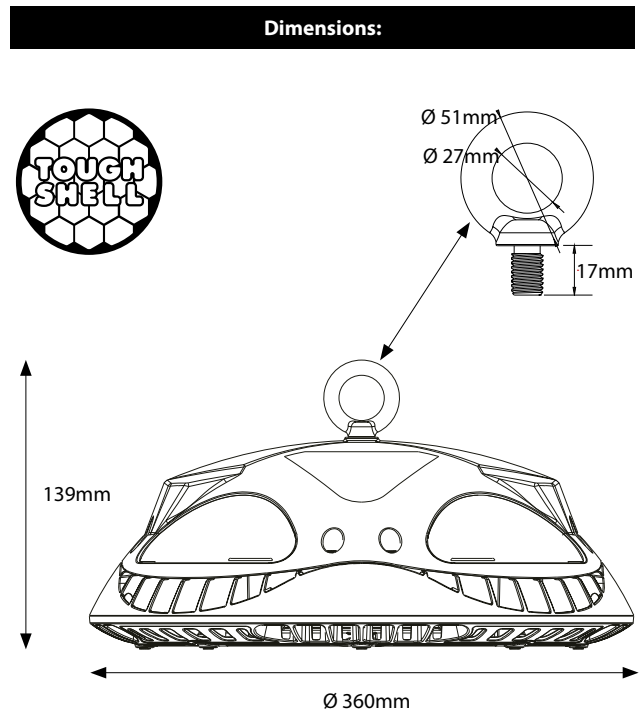


INSTALLATION INSTRUCTIONS FOR INTEGRAL TOUGH SHELL HIGH BAYS

Thank you for purchasing an INTEGRAL LED product. When installed correctly this unit will provide years of service. For support or warranty information please see integral-led.com.

Quick Code	Watts W	Lumens	Lumens per watt	IK Rating	Beam Angle	Net Weight	Gross Weight
Non-Dimmable							
ILHBC100	100	13000	130	IK08	120°	5.4	6.5
ILHBC102	100	15000	150	IK08	120°	5.4	6.5
ILHBC104	150	19500	130	IK08	120°	5.6	6.6
ILHBC106	150	22500	150	IK08	120°	5.6	6.6
ILHBC108	200	26000	130	IK08	120°	5.7	7
ILHBC110	240	31200	130	IK08	120°	5.9	7
ILHBC112	240	36000	150	IK08	120°	5.9	7
ILHBC120	100	13000	130	IK10	60°	5.4	6.5
ILHBC122	100	15000	150	IK10	60°	5.4	6.5
ILHBC124	150	19500	130	IK10	60°	5.6	6.6
ILHBC126	150	22500	150	IK10	60°	5.6	6.6
ILHBC128	200	26000	130	IK10	60°	5.7	7
ILHBC130	240	31200	130	IK10	60°	5.9	7
Dimmable							
ILHBC140	100	13000	130	IK08	120°	5.4	6.5
ILHBC142	100	15000	150	IK08	120°	5.4	6.5
ILHBC144	150	19500	130	IK08	120°	5.6	6.6
ILHBC146	150	22500	150	IK08	120°	5.6	6.6
ILHBC148	200	26000	130	IK08	120°	5.7	7
ILHBC150	240	31200	130	IK08	120°	5.9	7
ILHBC152	240	36000	150	IK08	120°	5.9	7
ILHBC160	100	13000	130	IK10	60°	5.4	6.5
ILHBC162	100	15000	150	IK10	60°	5.4	6.5
ILHBC164	150	19500	130	IK10	60°	5.6	6.6
ILHBC166	150	22500	150	IK10	60°	5.6	6.6
ILHBC168	200	26000	130	IK10	60°	5.7	7
ILHBC170	240	31200	130	IK10	60°	5.9	7



Technical Features	
Input Voltage	100-240V AC
Power Frequency	50/60 Hz
IP Rating	IP65
Material	Aluminium
Working Temp.	-30° - 50°C
Colour Temp.	4000K
Lamp Dimensions	Ø 360mm x H 139mm
Packaging Size	L 445mm x W 525mm x H 445mm

Ensure that the power is OFF during installation and that power cannot be unexpectedly reconnected

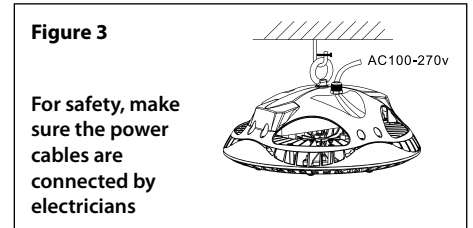
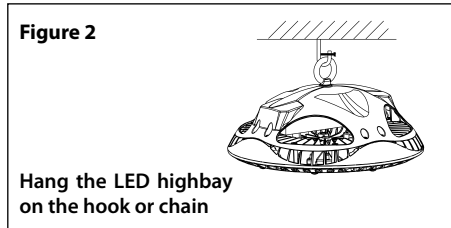
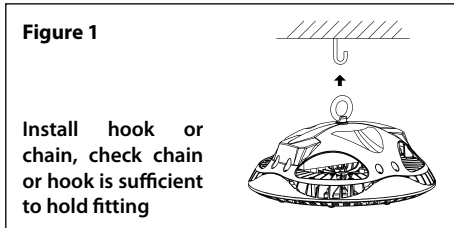
IMPORTANT DETAILS – Please read prior to installation

- This product must be installed by a qualified electrician in accordance with instructions provided and in compliance with recognised electrical and safety regulations relevant to the country it is being installed.
- Do NOT use the luminaire if damaged.
- Should the unit malfunction, return to distributor or reseller. No user serviceable parts inside. Risk of electric shock, do not disassemble or attempt to repair the luminaire.
- No fixings screws or chain provided, consideration should be taken to ensure all fixings are of suitable size for the luminaire to be installed. Ensure mounting eye is securely tightened and the M10 thread fully engaged into the fixing point at the top of the fitting.
- To avoid damage, DO NOT lift, carry or let the luminaire hang by any part of the wiring.
- This product is Class I – Earth connection required.
- Failure to comply with the recommendations and instructions provided herein may cause damage to the luminaire or present a risk of injury or death (e.g. short-circuit, fire, burns or electric shock). Any modifications to the luminaire, incorrect installation or unfit positioning may be dangerous to users and may cause the warranty to become void.
- The Luminaire should be mounted in free air it is recommended not to exceed 45°C ambient. Never cover the luminaire with heat insulation materials. Avoid contact with any corrosive chemicals.
- The luminaire should be positioned at least 1 metre away from radios, failure to do so may affect radio reception.

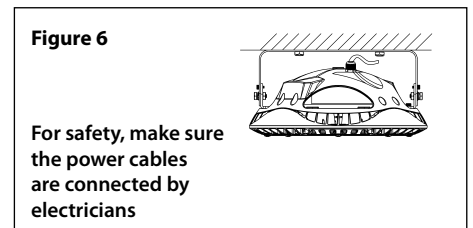
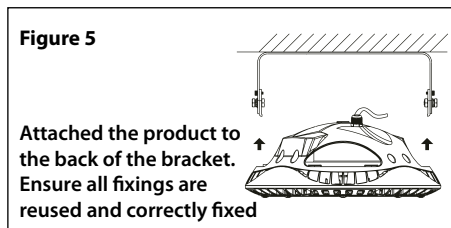
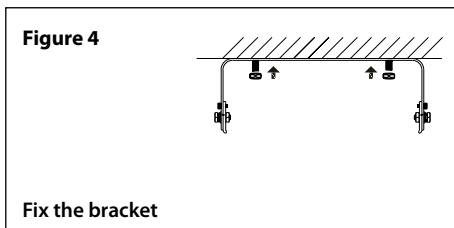
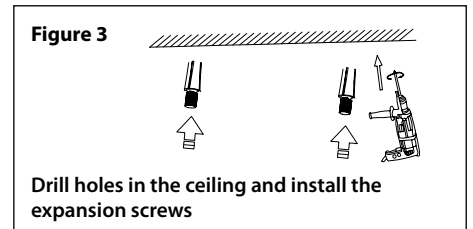
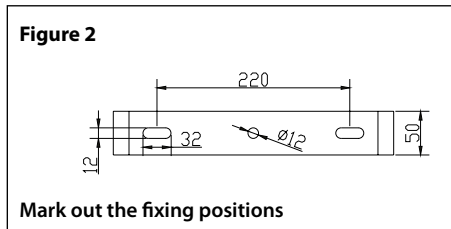
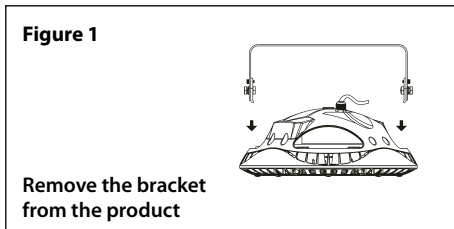
INSTALLATION INSTRUCTIONS:

- Ensure that the power is OFF during installation and that power cannot be unexpectedly reconnected.
- Use suitable tools and fixings to mount the light fitting safely and securely to the surface. Depending on the substrate, alternative fixings to the items supplied may be required. Avoid damage to any wiring.
- Use suitable IP rated enclosure or connector to wire the light fixture to mains.
- Non-Dimmable** Light Fixture: Wire the mains and dimming control adequately to the luminaire supplied cable, H05RN-F 3x1.00mm². Mains: Brown (Live), Blue (Neutral) and Yellow/Green (Ground). Pay attention to polarity and earth. Cable supplied is 2 meters long (fig. 8).
- Dimmable** Light Fixture: Wire the mains and dimming control adequately to the luminaire supplied cable, H05RN-F 5x0.75mm². Mains: Brown (Live), Blue (Neutral) and Yellow/Green (Ground). Dimming Black and Grey. Pay attention to polarity and earth. Cable supplied is 2 meters long (fig. 9).
- 3 core mains and 2 core dimming can be connected to the fitting cable if required.
- Check connections and switch power ON when safe to do so.

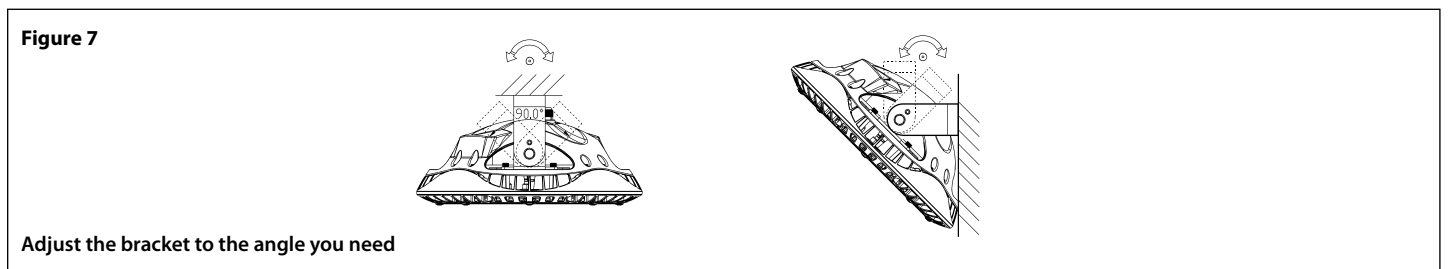
Chain or Hook Mounting



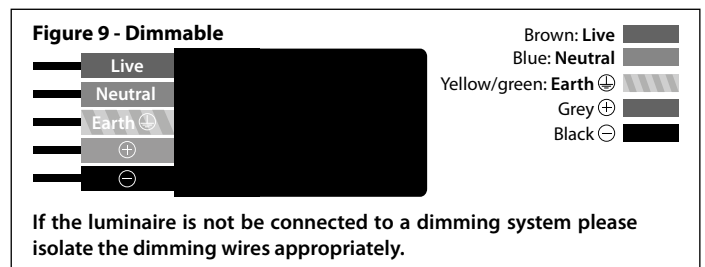
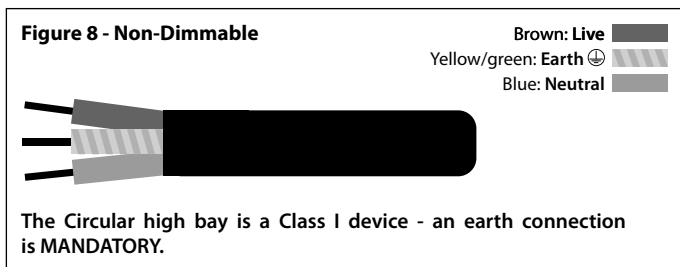
Fixed Bracket Mounting



Adjustable Bracket Mounting



Wiring Diagram



WASTE ELECTRICAL PRODUCTS SHOULD NOT BE DISPOSED OF WITH HOUSEHOLD WASTE. PLEASE RECYCLE WHERE FACILITIES EXIST. CHECK WITH YOUR LOCAL AUTHORITY FOR RECYCLING ADVICE.

Integral LED is a division of Integral Memory plc:
Unit 6, Iron Bridge Close,
Iron Bridge Business Park,
London, NW10 0UF, UK

Warranty/Technical and contact information are all available at www.integral-led.com