

PRODUCT DATA

Aerial Twin 65 is a high output, high efficiency high bay luminaire for general applications where IP65 compliance is essential.
The luminaire is constructed from extruded aluminium, mild steel and impact modified acrylic materials to ensure a durable and robust construction.
Aerial Twin 65 incorporates the latest high efficiency LED light engines and DALI drivers for optimum efficiency and luminaire life.
The luminaire can be specified in 3 differing beam angles, Wide, Mid and Narrow to suit most applications & suspension heights.
Aerial Twin 65 can be wire suspended, surface, trunking or drop rod mounted by utilizing one of the optional suspension kits available.
The luminaire is supplied complete with a three metre long flying lead for ease of wiring

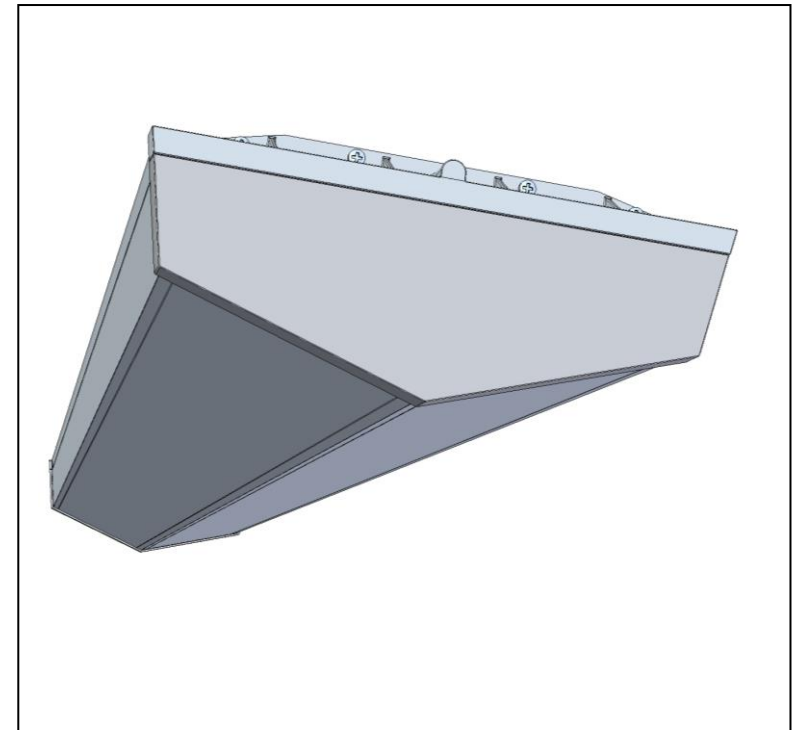
PRODUCT SPECIFICATION

Finish:	White
Materials:	Body/Spine Assembly - Extruded & Die cast aluminium. Diffuser Assembly - 2 mm co extruded Impact Modified Acrylic.
Control Gear:	DALI addressable LED Drivers.
Emergency:	3 hr integral emergency pack – refer to catalogue for options
Light Source:	4000k high output LED's
Optic:	Wide Beam: Satine diffuser Mid Beam: Hexaprism diffuser Narrow Beam: 15 degree Lens
Op. Temp:	0 to 25 °C
Weight:	Standard = 12.5 Kg / Emergency = 14.0 Kg
IP Rating:	IP65
IK Rating:	IK 08
Suspension:	Wire / Trunking / Surface / Drop Rod
Connection:	3 metre long flying lead c/w stripped and ferruled ends.

TECHNICAL SUPPORT
Telephone: 0161 331 5700
E-mail: technical@whitecroftlighting.com
<http://www.whitecroftlighting.com>

Whitecroft
lighting

Aerial Twin 65



HIBAY LUMINAIRE
INSTALLATION INSTRUCTIONS

PK/LEAFAERLEDIP65

MAR 2015 - Rev B



Whitecroft Lighting Limited

Burlington Street, Ashton-under-Lyne, Lancashire OL7 0AX
Telephone +44 (0)870 5 087 087 Facsimile: +44 (0)870 5 084 210

Registered No. 3848973 England

Registered Office: As above

1. A qualified electrician, in accordance with IEE wiring regulations, should carry out connection to mains wiring.
2. This luminaire must be EARTHED.
3. Ensure that the rated luminaire voltage and frequency requirements are compatible with the available mains supply.
4. Cleaning of the lenses should be carried out using clean, soft and lint free cloths and anti-static cleaning fluid.
5. Luminaire body will become hot under normal operating conditions. Allow to cool before undertaking any necessary maintenance work.
6. **WARNING! : The LED's in this luminaire operate at HIGH VOLTAGE.**
Ensure that the luminaire is isolated before opening.
7. **This luminaire is only suitable for external applications in covered areas and must not be subjected to exposure from direct sunlight.**
8. **This luminaire contains Silicone components. It is the responsibility of the user to check on suitability for the environment.**

Technical drawing of the LED strip lighting fixture, showing top and side views with dimensions and labels.

Top View Dimensions:

- 1470 SURFACE / TRUNKING / DROP ROD SUSPENSION CENTRES
- 1397 WIRE SUSPENSION CENTRES
- 38 SURFACE MOUNTERS

Side View Dimensions and Labels:

- OPTIONAL PIR DETECTOR
- 2 CORE COMECS DALI CABLE
- 5 OR 6 CORE MAINS & DALI CABLE
- 588 MAINS CABLE LOCATION
- EMERGENCY BATTERY CONNECTION PLUG
- EMERGENCY BATTERY BOX
- OPTIONAL ADJUSTABLE WIRE SUSPENSION
- OPTIONAL SURFACE MOUNT BRACKET
- 3000 MAX SUSPN HT
- 101
- 239
- 149
- 1655 OVERALL

INSTALLATION INSTRUCTIONS

PRE INSTALLATION

1. Remove the luminaire from the packaging and inspect contents for damage.
2. Ensure that the supporting ceiling structure is of adequate strength to support the weight of the luminaires. (see table for weights)

WIRE SUSPENSION KIT OPTION - (supplied separate)

1. Making reference to the diagrams herein, offer the ball ends of the bridge cable into the support channels via the machined slots. Slide the ball ends along the support channels to the end of the luminaire end & then hook cable around endcap slot to locate in position. Fit the supplied screws packed with leaflet into the extrusion channels to secure the cable (1.2Nm max torque)
2. Loop the suspension cable around a suitable load bearing structure at the approximate centres indicated. Support the weight of the luminaire from below and thread the suspension cable through the top hole in the clutch. Height adjustment can be achieved by depressing the button on the top of the clutch.
3. Check the luminaire height and level if necessary via the adjustable clutch mechanism. Luminaire may also be balanced along its axis if necessary by slackening off the Allen screw under the clutch barrel (tighten to 0.5Nm max)
NB - support the luminaire weight when undertaking any adjustment. Trim off any excess cable only once happy with the luminaire position.

TRUNKING /SURFACE MOUNT KIT OPTION - (supplied separate)

- 1 Squeeze the support bracket base flanges under the extrusion lips and hook legs over endcap. Secure in place via the four screws provided.(1.2Nm max)
- 2 If suspending from trunking use a suitable 20mm adaptor (not supplied).
- 3 If suspending via drop rods, use 8mm rod at centres indicated (not supplied).
- 4 When surface mounted use suitable fixings at centres indicated (not supplied).

NB – If the luminaire is being suspended via customer preferred method, e.g drop rods or chains, a surface mount kit must be utilized to facilitate fit (ordered separate).

GENERAL WIRING INFORMATION

1. Wire the leads in accordance with the schematic detailed below noting location of Dali and COMEPS leads and test for correct operation.
2. If the luminaire is an emergency variant, connect the external battery plug & socket and mark the installation date on the label.
3. Where luminaires are fitted with integral detector, a maximum of four slave luminaires may be operated from one master detector luminaire.

NB: To prevent damage, under no circumstances must DALI detector terminals on two or more master luminaires be connected together.

