Kalahari ETE

INSTALLATION MANUAL

IP20

Class I

- The luminaires are electrically insulated and provided with a connection to earth.
- Earthing protects exposed metal parts that could become live in the event of basic insulation failure.

Installation Requirements

- This light fixture must be supplied with 220-230V, 50Hz AC power.
- Connect to an individual branch circuit.
- LLSA ensures a 2 kV surge protection on our PSU, anything out of this range will void warranty provided.
- Improper installation might cause an electric shock accident.
- Use an authorized electrical professionals to do the installation, repair and maintenance of the light fixture.
- Cut off the power before and during installation, maintenance and repair of the light fixture.
- Do not install the light fixture on top of or near hot objects to avoid damage. (For example hot gas pipes, exhaust funnels or stoves)
- Do not install the light fixture in a damp area or where liquid leakage is potential.
- Make sure no fire regulations are violated.
- Do not look directly at the light fixture for a long period of time to avoid eye damage.
- The use of third party equipment is not recommended by the manufacturer for it may lead to warranty void.
- Do not cover the lamp with heat insulating gasket or similar material.

Cleaning and Maintenance of Enclosure

- Do not use solvent-based cleaning agents, this will cause cracks to form in the plastic diffuser covers.
- Clean with a damp cloth and silicone-based cleaning agent. (Such as Mr Min)

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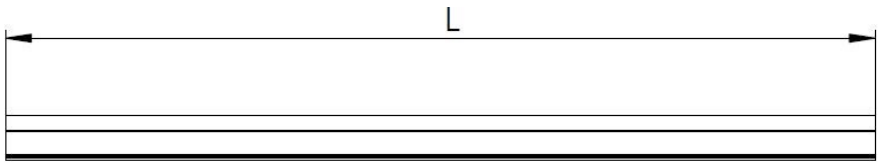
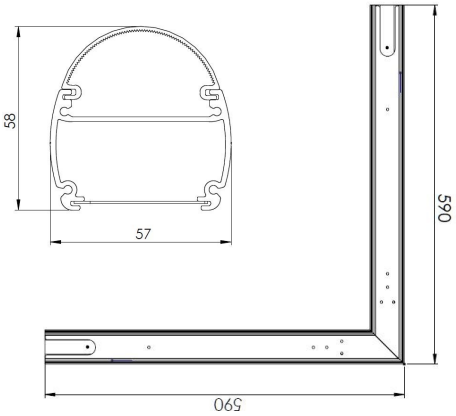
Product Information



Dimensions	Name	Length (mm)
	Kalahari 1200	1109
	Kalahari 1500	1386
	Kalahari 2200	2218
	Kalahari 590x590	590*590
	Kalahari 590x865	590*865



DIMENSIONS: Length x H65 x W56 mm

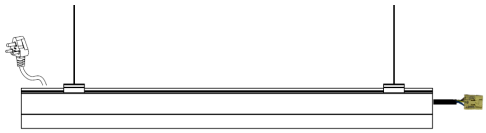
PRODUCT WEIGHT: 0.5 / 2.5kg

PACKAGED WEIGHT: 0.55 / 2.55kg

Configurations

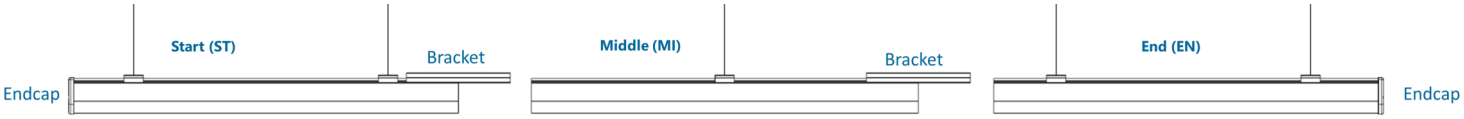
Electrical

Master (MA)



Slave (SL)

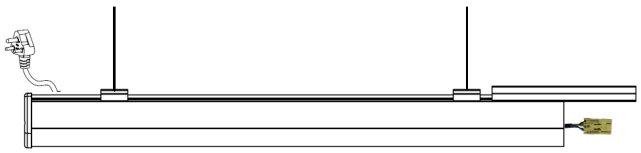
Mechanical



Naming convention (product labels)

Example: Kalahari ETE 1200 20w/m 4000k MA ST

A	Product length group
B	Watts per meter
C	CCT
D	Electrical config
E	Mechanical config



Rules

1. Total power consumption for each 220VAC supply point should not exceed 510w

   Examples A 6 x Kalahari 2200 38 4000 = 501w

   Examples B 8 x Kalahari 2200 29 4000 = 510w

2. **IMPORTANT : Do not exceed 10 fittings per power point.**

   Failure to adhere to this could result in thermal damage to connectors.

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Instructions (steps to follow)
- Suspension Mounting

Part list and Quantities (As specified when order placed)

1. Kalahari surface mounting clip ,Gripple kit, Steel cable
2. Clamp assembly

1

2

Product	Suspension
Kalahari 1200	1
Kalahari 1500	1
Kalahari 2200	2
Kalahari 590x590	1
Kalahari 590x865	2

Equipment (not included)	Quantity
• 3mm Allen Key	1
• Drill and appropriate drill bit	1
• Sprit level (suspension mounting)	1

STEP 1: Mounting suspension point

- Determine suspension point locations by referring to layout drawing and above quantity recommendation.
- General rule is to mount a suspension point every 1.5m
- Mount suspension points to ceiling or roof structure. Contractor to determine fixture method and to supply required parts.
- If no suitable attachment points are available on the ceiling structure then it is advised that P2000 must be installed from which the luminaires can be suspended. The P2000 should follow the shape of the luminaire assembly.
- Ensure suspension points are positioned directly above the desired location of the fittings as suspension points located to either side may cause the completed luminaire structure to bend out of alignment

STEP 2: Mounting the luminaires

- Clip the first master fitting into position as shown in Fig 1 you will hear a CLICK when the bracket is secure.
- Clip the next slave fitting into position . Fig. 2
- Guide the extrusion to the next extrusion . Fig. 2

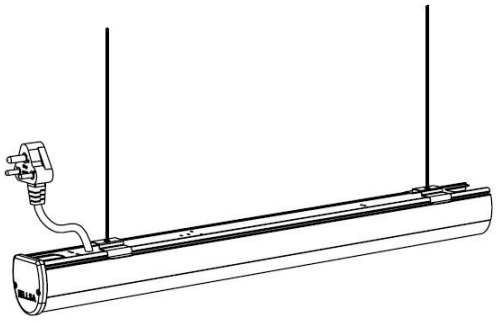


FIG. 1

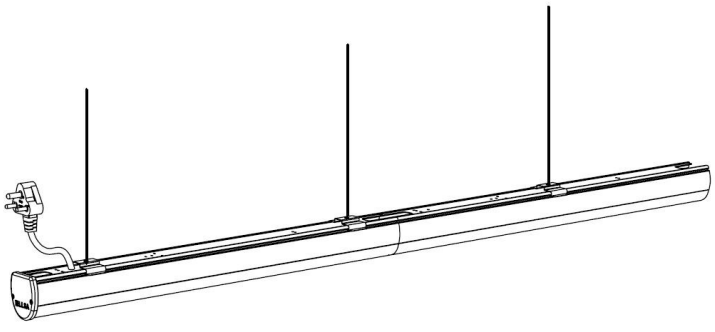


FIG. 2

- Connect the 220V AC connector, above the extrusion. Fig 3
- Rotate the connector assembly in order to allow the it to fit into the extrusion, and push the assembly down into the extrusion.

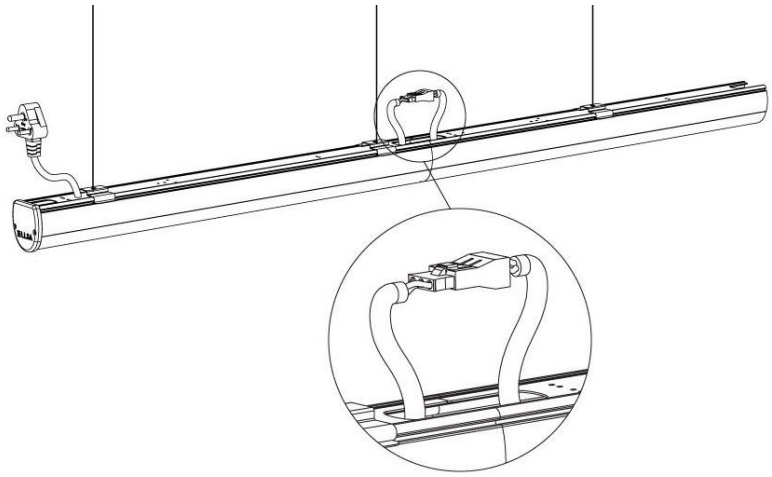


FIG. 3

- Attach the connector bracket to mechanically join the luminaires together. Fig. 4
    - The bracket should be fully assembled with the M4 Allen caps screws turned 50% of the way.
    - Place the preassembled bracket over the joint and clip into position.
    - Endure the bracket is located perfectly between the two luminaires
    - Tighten the screws is lock the bracket into position.

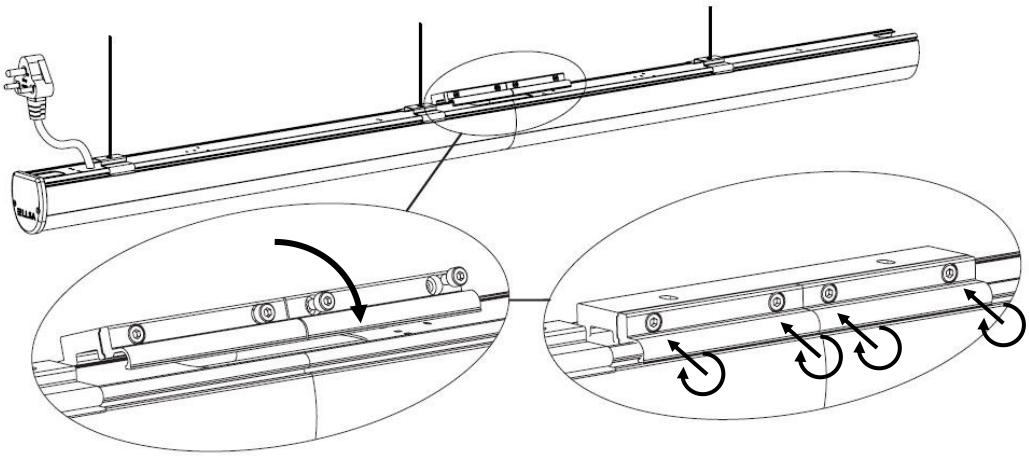


FIG. 4

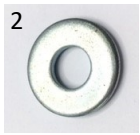
- Repeat until complete.

Instructions (steps to follow)
- Surface/Cove Mounting

Part list and Quantities (As specified when order placed)

1. GL surface mounting clip assembly
2. 2mm spacer washer (placed between ceiling and clip assembly)

2



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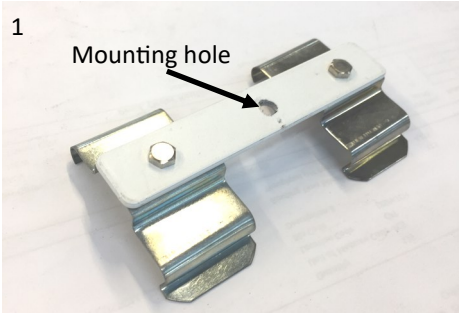

Product	Suspension points
Kalahari 1200	1
Kalahari 1500	1
Kalahari 2200	2
Kalahari 590x590	1
Kalahari 590x865	1

Equipment (not included)	Quantity
• 3mm Allen Key	1
• Drill and appropriate drill bit	1
• Sprit level (suspension mounting)	1

STEP 1: Mounting clips into place

- Determine clip locations by referring to layout drawing and above quantity recommendation.
- The clips will be located exactly between two luminaries
- Draw a straight line or chalk line on the ceiling along the center of designed luminaire assembly.
- Mark out drill holes for the clips. These holes will be spaced exactly the same length as the products.

Product	Clip Spacing (mm)
Kalahari ETE 600	575
Kalahari ETE 1200	1109
Kalahari ETE 1500	1386
Kalahari ETE 2200	2218

- Fix the clip to the ceiling using a fixture method prescribed by the installation contractor.
- Contractor needs to ensure fixture methods can support the weight of the product.

STEP 2: Mounting the luminaires

- Clip the first master fitting into position as shown in Fig 1 you will hear a CLICK when the bracket is secure. Fig. 5

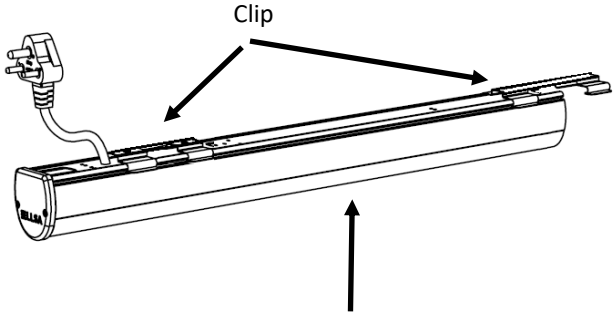

FIG. 5

- Take the next luminaire and connect the Wago AC cables together.
- Bring the ends closer together and feed the connected AC cables back into the extrusion
- Clip the luminaire into place on both sides. Fig.6
- Adjust the alignment of the ends until adequality aligned

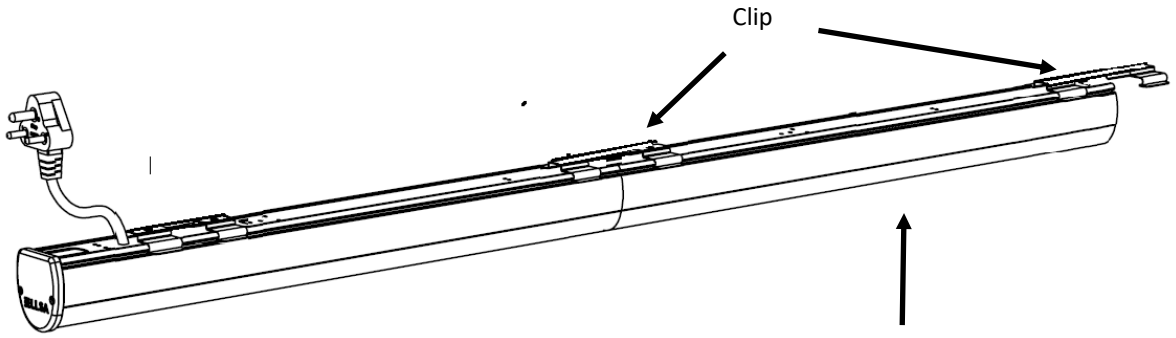

FIG. 6

Testing

- Pull down on each light to ensure it is secure and clipped in place properly.
- Adjust suspension points until the luminaire are lined up in straight lines.
- Switch on the luminaire assemblies and ensure there are no major light leaks. Adjusts diffuser position to correct this if needed.
- Ensure power consumption of each AC feedline does not exceed 510W.