

Sahara ETE

INSTALLATION MANUAL



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

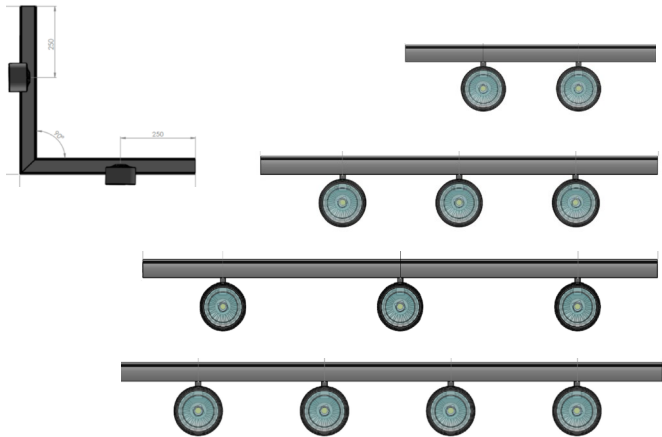
- This light fixture must be supplied with 220-230V, 50Hz AC power.
- Connect to an individual branch circuit.
- LLSA ensures a 2 kV surge protection on our PSU, anything out of this range will void warranty provided.
- Improper installation might cause an electric shock accident.
- Use an authorized 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)

Product Information

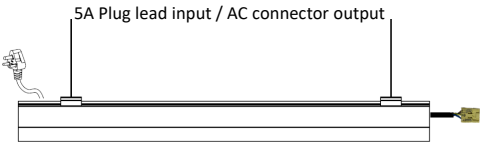
NAME	POWER	LENGTH
Sahara ETE 600 2 SPOT	27W x 2 (54W)	564mm
Sahara ETE 900 3 SPOT	27W x 3 (81W)	846mm
Sahara ETE 1200 3 SPOT	27W x 3 (81W)	1126mm
Sahara ETE 1200 4 SPOT	27W x 4 (108W)	1126mm
Sahara ETE 590X590 90DEG CORNER 2 SPOT	27W x 2 (54W)	590x590mm
Sahara ETE 600 SPACER	NA	564mm
Sahara ETE 900 SPACER	NA	846mm
Sahara ETE 1200 SPACER	NA	1126mm
Sahara ETE 1500 SPACER	NA	1409mm
Sahara ETE 2300 SPACER	NA	2252mm
Sahara ETE 590x590 90DEG SPACER CORNER	NA	590x590mm



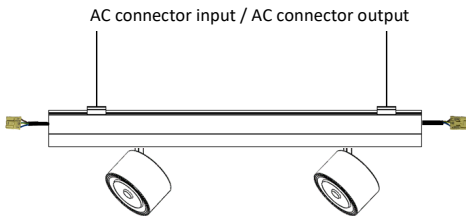
DIMENSIONS: Length x H65 x W56 mm	PRODUCT WEIGHT: ± 1.8kg/m (SPOTS)	PRODUCT WEIGHT: ±1.5kg/m (SPACERS)
-----------------------------------	-------------------------------------	--------------------------------------

ELECTRICAL TYPES

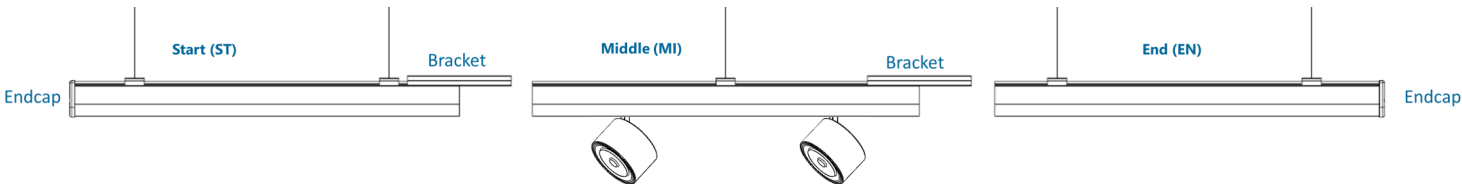
MASTER



SLAVE

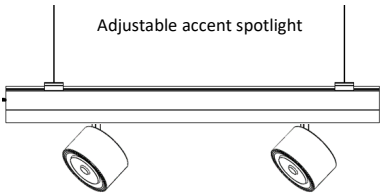


MECHANICAL TYPES

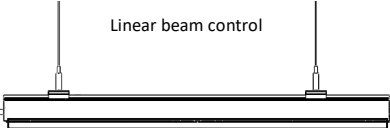


FITTING TYPES

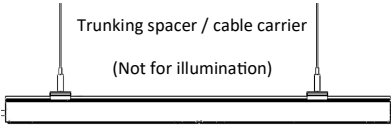
Sahara ETE SPOT



Sahara ETE (LENS)



Sahara ETE SPACER



Power Rule

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

- Example A 6 x GL2200 @38W/m = 501W
- Example B 8 x GL2200 @29W/m = 510W

IMPORTANT : Do not exceed maximum fittings per power point. This could result in thermal damage to connectors.

Instructions (steps to follow)

- Suspension Mounting

Part list and Quantities (As specified when order placed)

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



Product	Suspension
Sahara ETE 1200	1
Sahara ETE 1500	1
Sahara ETE 2300	2
Sahara ETE 590x590	2

Equipment (not included)

- 3mm Allen Key
- Drill and appropriate drill bit
- Sprit level (suspension mounting)

Quantity

- 1
- 1
- 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 for surface type 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

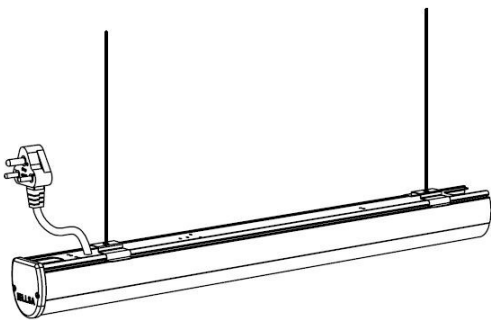


FIG. 1

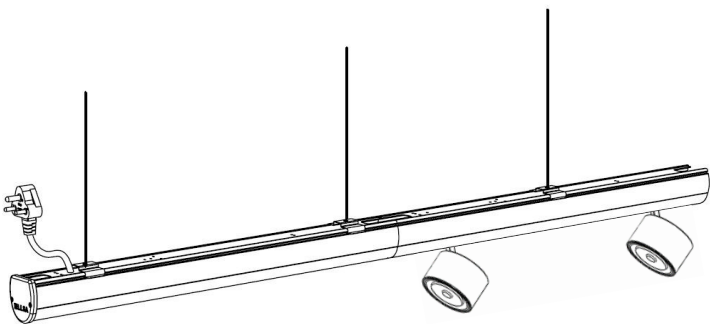


FIG. 2

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

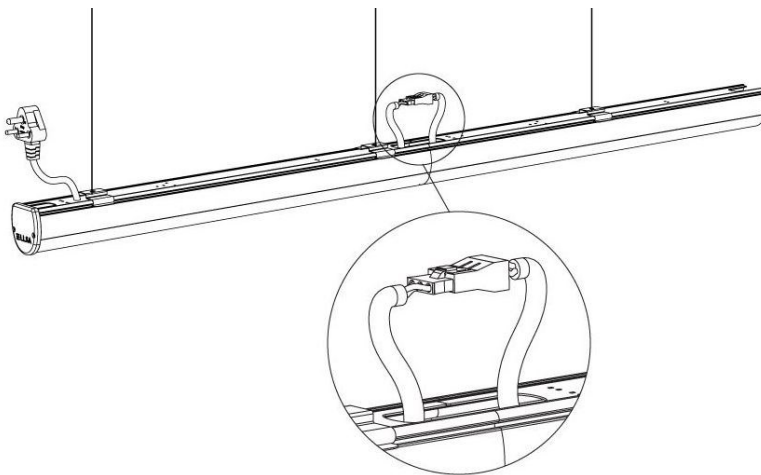


FIG. 3

- 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.
 - Ensure the bracket is located perfectly between the two luminaires
 - Tighten the screws to lock the bracket into position.

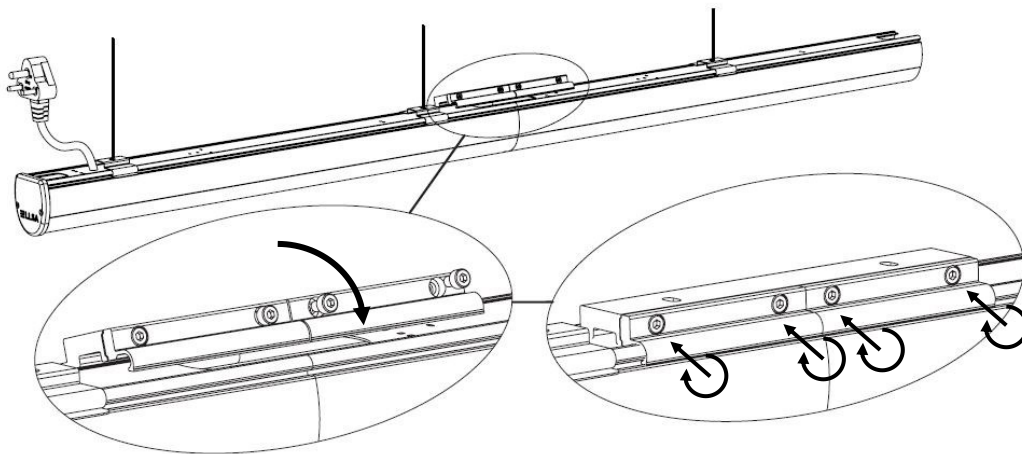


FIG. 4

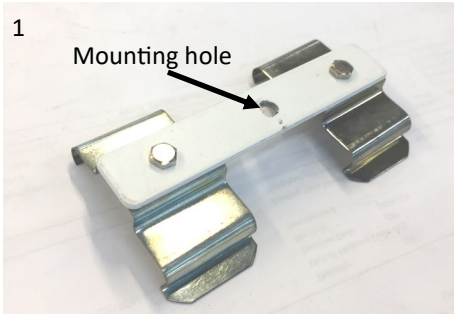
- Repeat until complete.

Instructions (steps to follow)

- Surface/Cove Mounting

Part list and Quantities (As specified when order placed)

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



Product	Suspension points
Sahara 1200	1
Sahara 1500	1
Sahara 2200	1
Sahara 590x590	1
Sahara 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 luminaires
- 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)
Sahara 600	575
Sahara 1200	1109
Sahara 1500	1386
Sahara 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

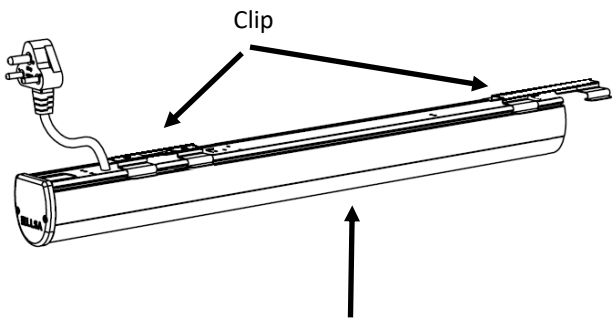


FIG. 5

- 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

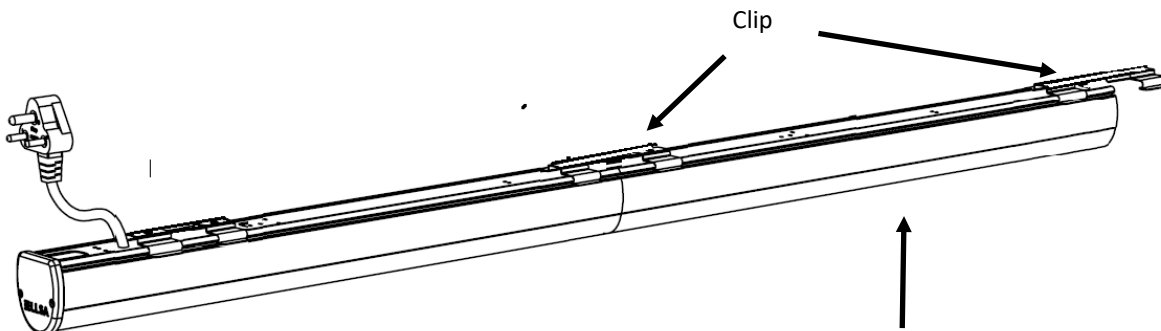


FIG. 6

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.