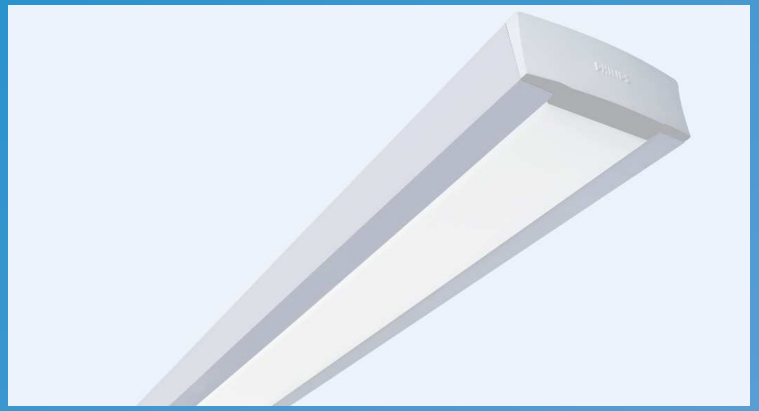
Smartbrite surface mounted LED

SM 270- Easy and affordable solution



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Product Objective

- To design and provide a LED solution for replacement of surface 2X28 TL5 & 2X36 TLD luminaire for Indoor lighting.
- To provide right light in offices, buildings in order to create a pleasant working environment.
- To reduce energy cost, maintenance costs and operating costs and create a strong TCO story

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Customers are looking for……

...easy & affordable LED solutions bringing sustainability AND energy efficiency

Public Works Department

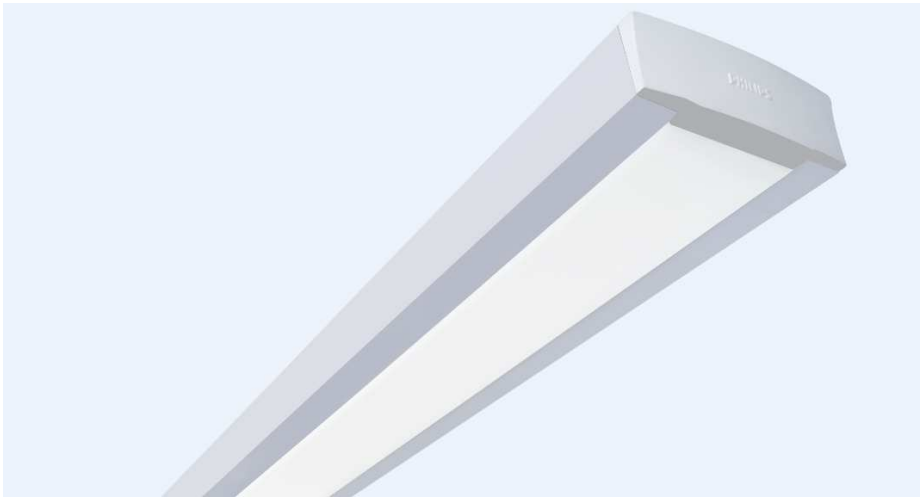
"We do not have a false ceiling & have conventional lighting fixtures which are very bulky in nature and require regular change of lamps at intervals. It would be good if we can have an replacement in LED which shall help us have more light while at the same time reducing our electricity use."

NBCC

"I want to have a simplistic LED luminaire which is one on one replacement of convential luminaire , high on energy efficiency and has a payback of 1-2 years

SmartBrite Surface- SM 270

Surface / Suspended Mounted LED Lighting Solution



Key benefits:

- Comfortable Light : CRI>80 for better color rendering
- Long Life : 50K Hrs. @ L70B50
- Sustainable, Energy Efficient surface mounting solution in LED
- Easy to Install without any specialized tools – Simple & Quick
- Flexibility: Suspended and Surfaced versions offer a choice of different mounting options
- Lighting solution with no flicker with high uniformity provides comfortable lighting experience

SmartBrite Surface Mounted Luminaire :
Efficient , Maintenance free , Glare free , Long Life Solution & Easy To Experience

Performance : An optimal LED Solution for Surface/ Suspended applications with the use of the latest LED technology and efficient optics ensures perfectly uniform illumination.

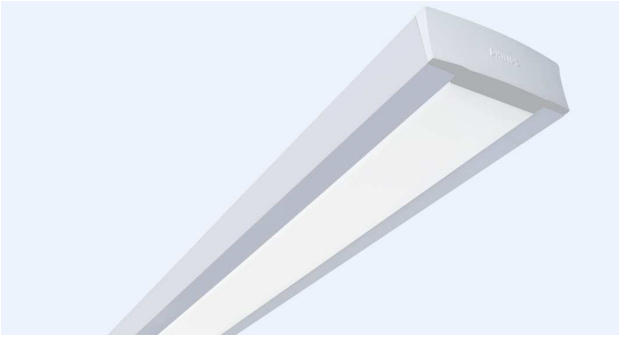
Long-life: Design & manufacturing ensures quality and use of long-life materials ensure Robust Product.

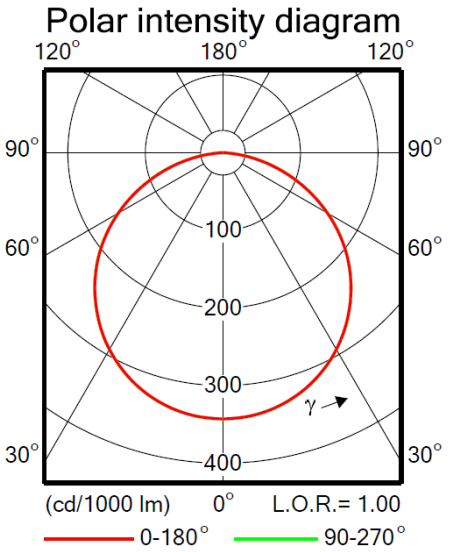
Simple and quick: Easy to Install without any specialized tools.

Fit and Forget : A long service life and almost complete freedom from maintenance significantly reduce operating costs.
Lower OPEX

Application areas : Offices/Buildings without false ceilings ,meeting rooms , lobby areas , general areas

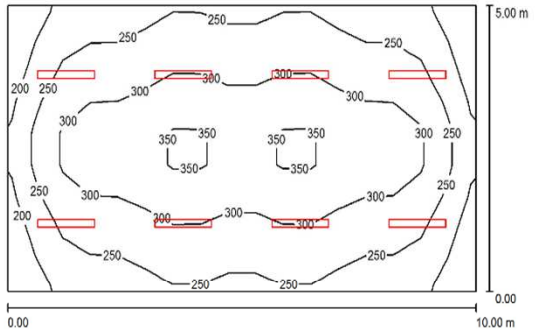
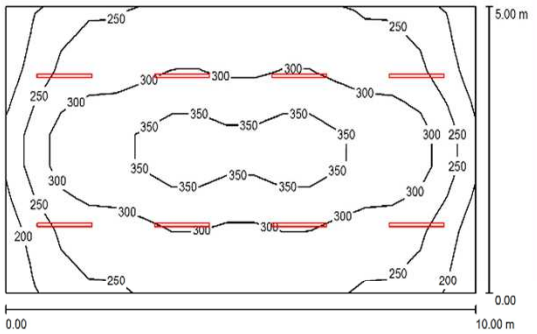
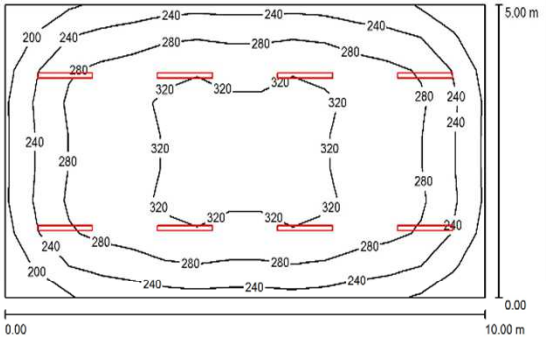
Make/ Model	**SmartBrite**
Type	**SM270**
Dimension	**1195X147x50 mm**
CCT	**6500K & 4000K**
Lumen Pack	**2900 Lm**
Body weight	**3.1 Kg**
System Power	**32W**
CRI	**>80**
Efficiency	**>90 Lm/W**
IP Rating	**IP 20**
Fixture Color	**White**
Input / Output Parameters	
Rated Supply Voltage (Volts)	**220-240V AC**
Control	**PSU Driver**
Rated Frequency (Hz)	**50 Hz**
Surge	**2 KV**
Frequency Range (Hz)	**50 Hz**
Life	**L70B50-50KHrs @ Ta :45 Degrees**
Safety Class	**Class II**
Total Wattage (LED + Driver)	**2900 @ 32 W**
Lumen & Efficacy	**>90 Lm/w**
PF	**>.9**
THD	**THD < 20 %**
IP Rating	**IP 20**
IK Rating	**IK 02**
EMC/EMI	**Compliance**





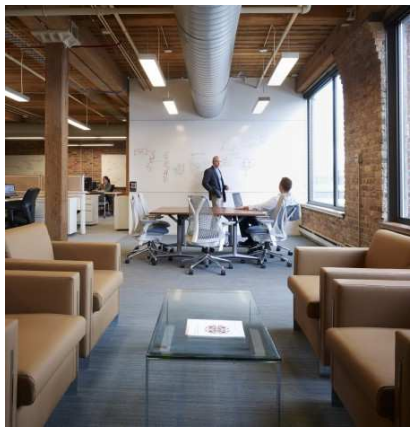
Sample Lighting Design

Comparison between Conventional & LED Luminaire

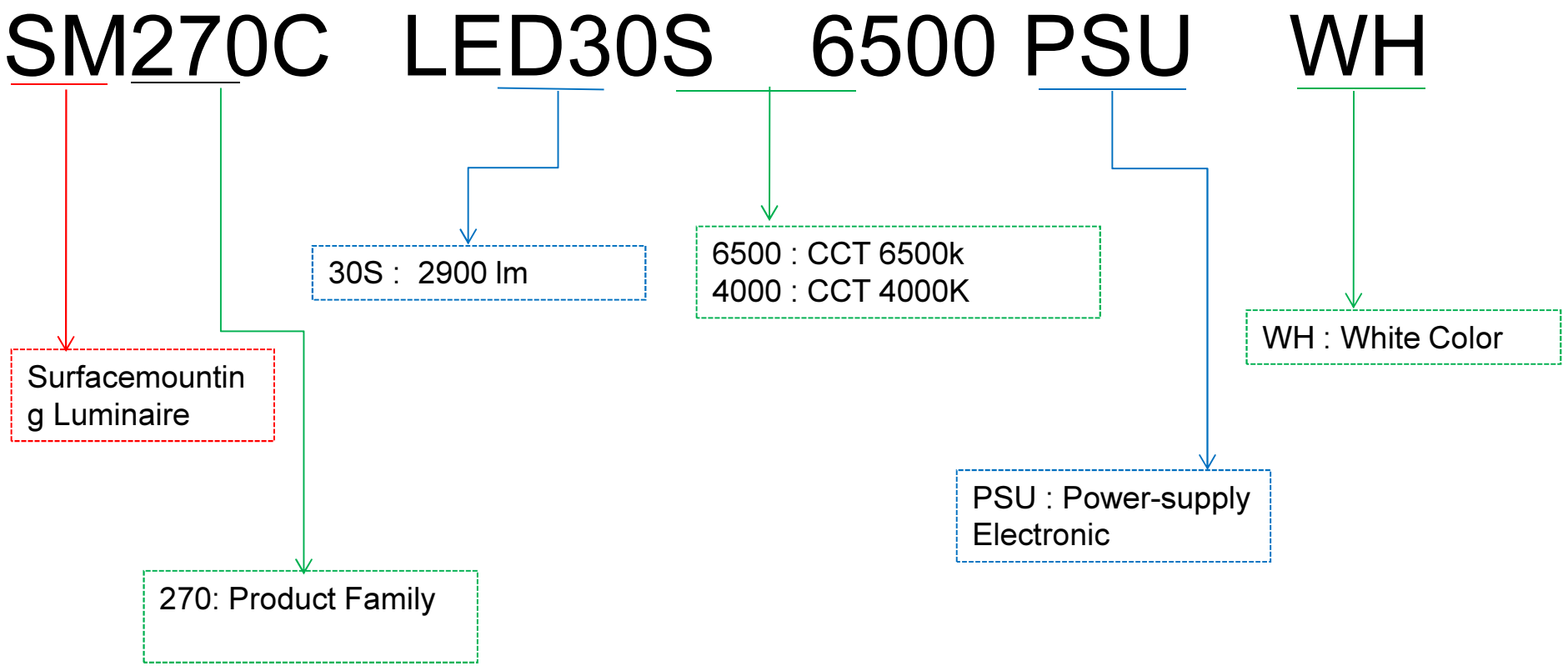
Product	TCS 306 / 236 HF	TCS 150 / 228 M1 HF	SM 270 LED 30 S
ISO Lux Result			
No. of Luminaires	8	8	8
Lux Levels	274	276	276
Uniformity	0.6	0.6	0.6
LPD	4.33 W/m²/100 lx	3.11 W/m²/100 lx	1.87 W/m²/100 lx
UGR	<22 (20)	<22 (21)	<22(20)

Application Areas

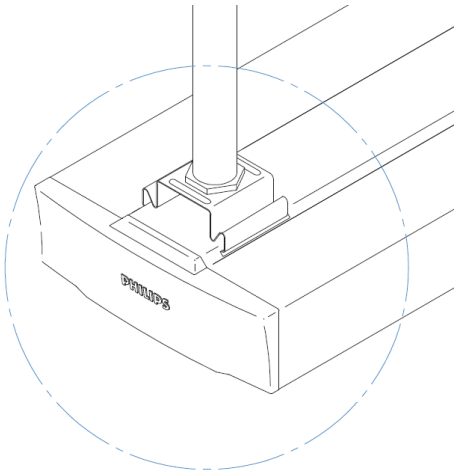
- Corridors & circulation areas
- Banks
- Government Offices
- Small offices
- Shops and Boutiques
- Recreational areas (restaurants ,cafeterias)
- Conference areas
- Public Service Areas
- Departmental Stores
- General areas



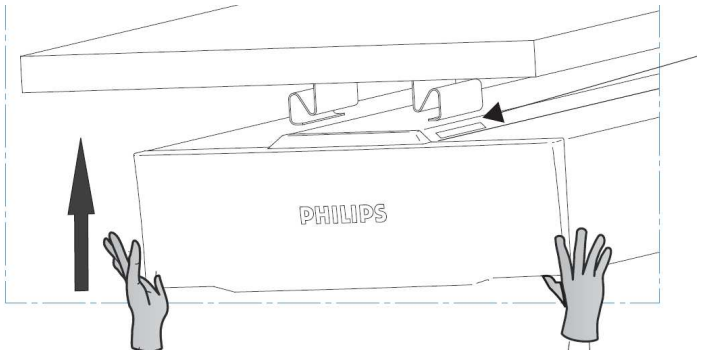
How to read the Cat ref



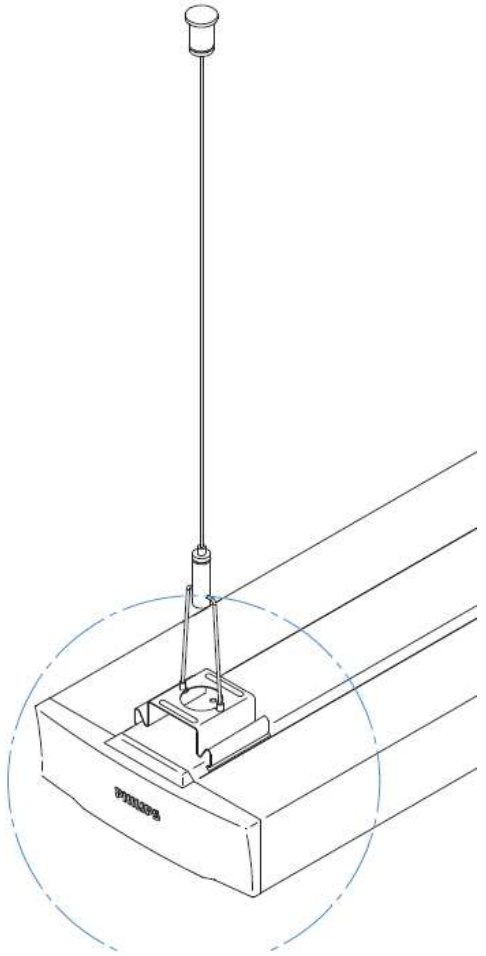
Different Mounting Arrangements



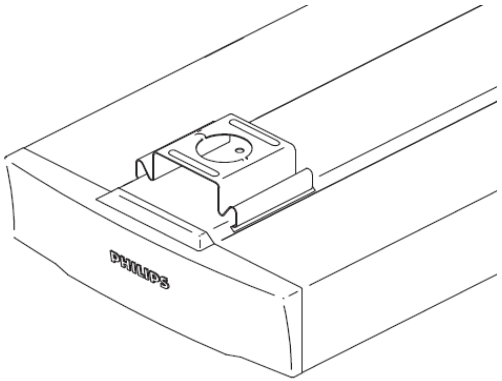
Conduit Mounting



Surface Mounting



Suspension mounting



Mounting Accessory

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Note: GI Pipes & suspension will be in contractor scope

Ordering Details

S. No.	Product Description	12 NC	Qty. per Box
1	SM270C LED 30S 6500 PSU WH	91915811415	2
2	SM270C LED 30S 4000 PSU WH	91915811790	2

Spare Driver

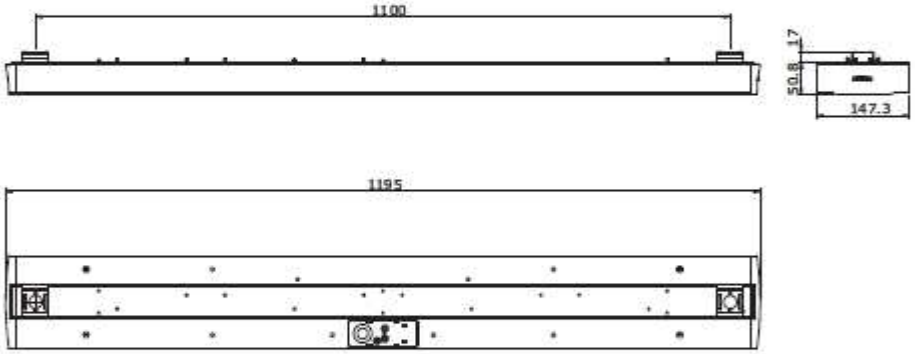
S. No.	Product Description	12 NC	Spare Driver 12 NC
1	SM270C LED 30S 6500 PSU WH	91915811415	441539003648
2	SM270C LED 30S 4000 PSU WH	91915811790	441539003648

Product Dimensions

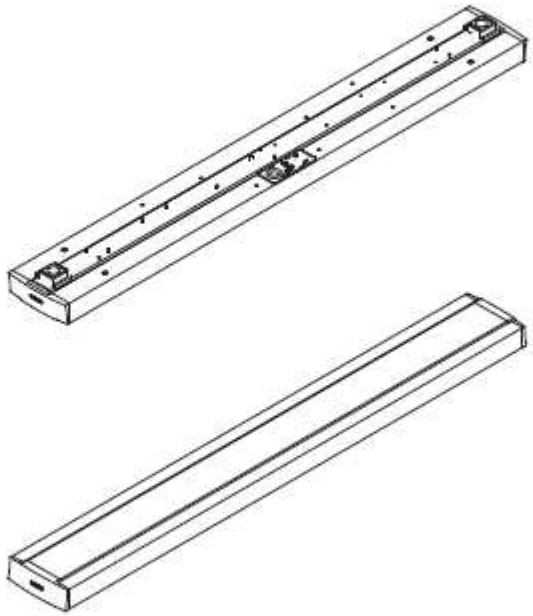
IP20

THIS LUMINAIRE MUST BE EARTHED

SM270C LED



SM270C LED

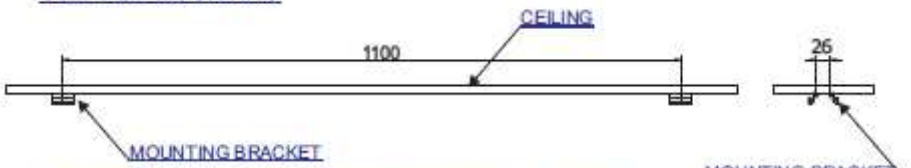


Tools required for installation :
1- Measuring Tape
2 -Screw Driver

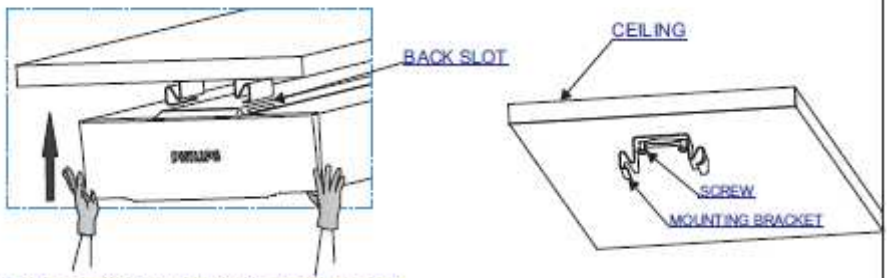
! **ATTENTION: Install in accordance with national and local building and electrical codes.**

LUMINAIRE MOUNTING ARRANGEMENT

SURFACE MOUNTING

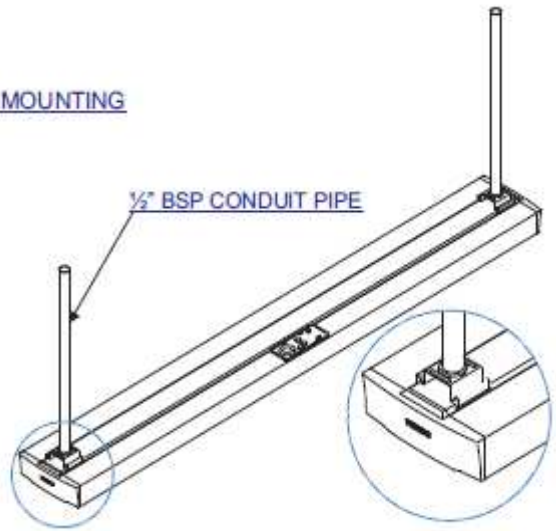


Fix two nos. of Mounting Bracket on Ceiling by screws at 1100mm C/C as shown in above sketch

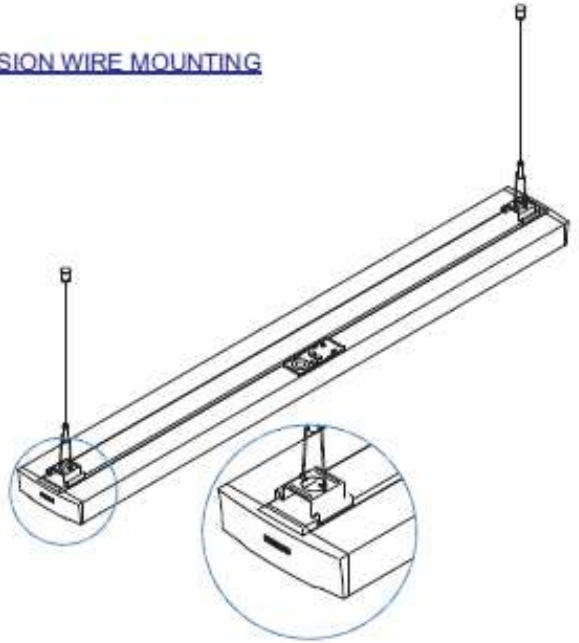


For fixing Luminaire with the Mounting Bracket fix Mounting Bracket to the back slot of the Luminaire

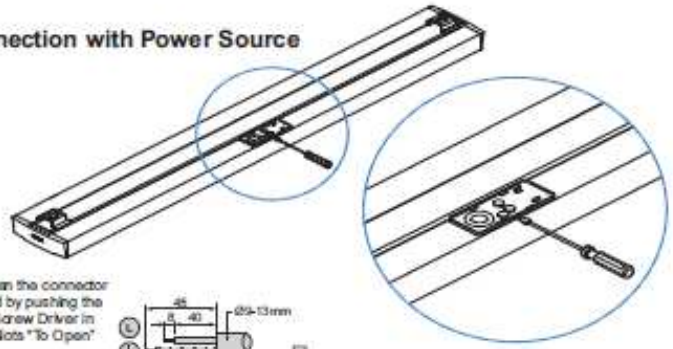
CONDUIT MOUNTING



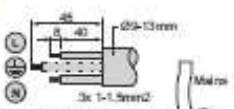
SUSPENSION WIRE MOUNTING

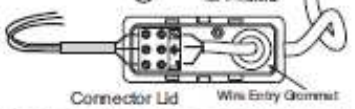


Connection with Power Source



Open the connector Lid by pushing the Screw Driver in Slots "To Open"





Pass the incoming wire through the grommet in the connector lid to connect all the three wires (Live Neutral & Earth) to the connector.

Be sure to close the Lid after the connection is done.

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