Smartbright Waterproof

Dust and waterproof Luminaire

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Professional Channel- India

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PHILIPS

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Product Objective

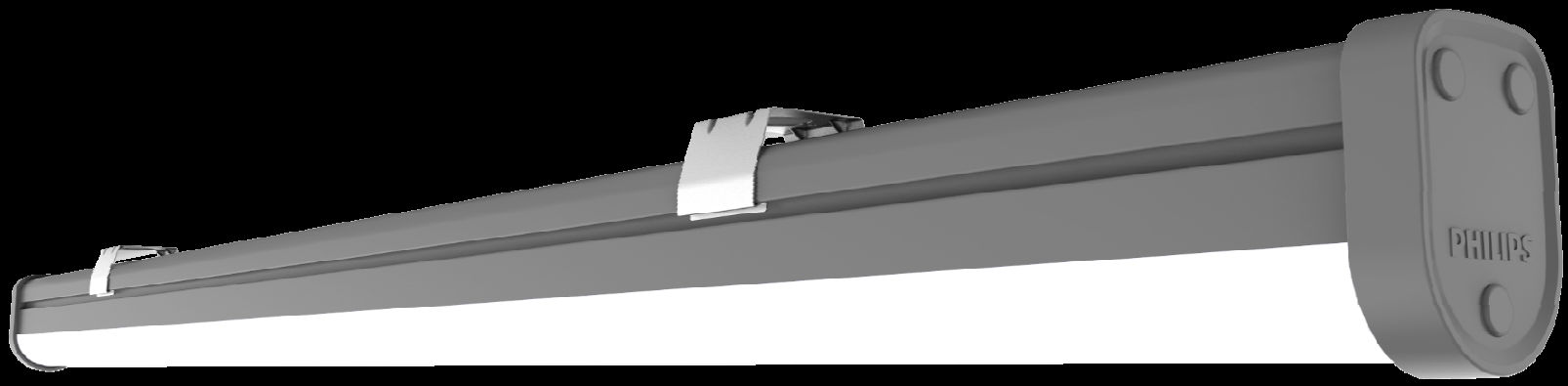
- To design and provide a LED solution for replacement of 1X28/1X36/2X28/2X36W TL5/TLD conventional waterproof IP65 Luminaire.

- By leveraging the latest LED technology and optical enhancement we can provide right lights in various applications area like Parking Lot, Underpass, Factories Corridors etc.

- To reduce energy cost, maintenance costs and operating costs and create a strong TCO story

Waterproof

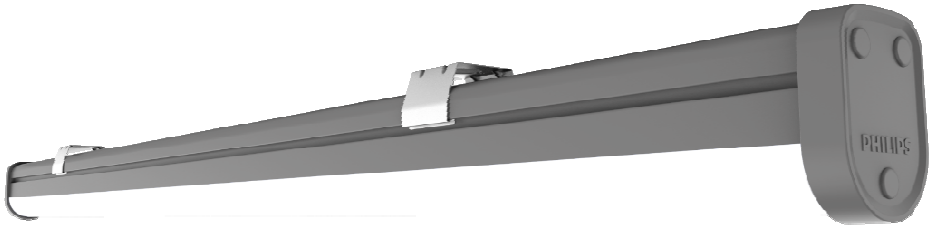
LESS IS MORE

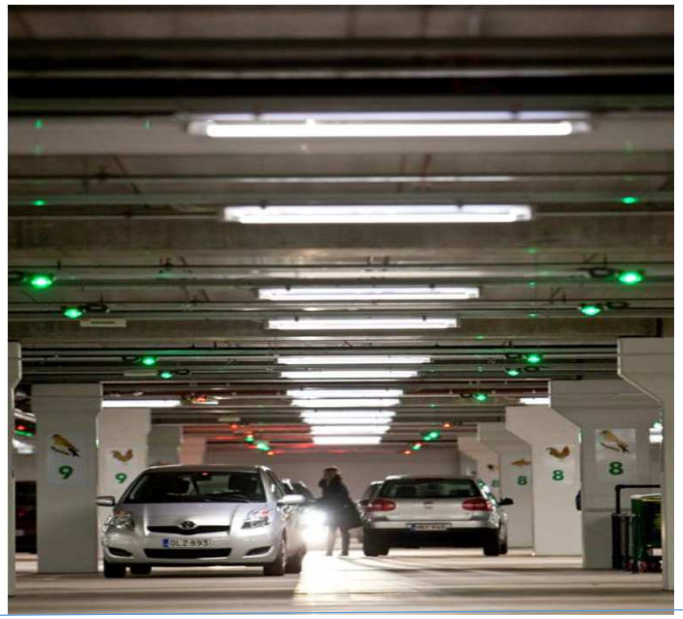


Compact in Size …. MORE light output……

Smartbright Waterproof

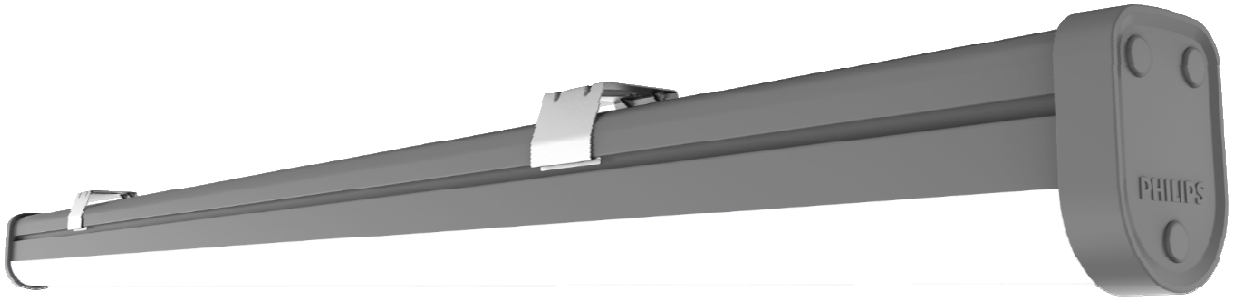
Lighting solution for Dusty and Humid application





- **IP65, dust and waterproof Led** luminaire family suitable to replace 1xTL5 /TL-D 28/36w and 2x TL-5/TLD 28/36w
- **System efficacy of 100 lm/w**, saves more than 55% energy compared to conventional products
- Integrated Serviceable lighting system **sleek design**.
- Comfortable Light with good **color uniformity and color rendering (CRI>80)**.
- Reliable and robust : Polycarbonate Housing , maximize the endurance over the life time.
- Versatile : Suitable for both **wall and suspended mounting** with relevant mounting accessories.

Smartbright Waterproof - Features and Benefits



Dust and Water Proof- IP65

- Delivers superior lighting performance in dusty humid environment.
- No impact in lighting level and life class even in harsh environmental conditions
- Long useful life L7B50 of 50k hrs

Efficient Electronics/LED

- High system efficacy leading to low connected power.
- Sustained Lighting Performance and long life

Diversity in range

- 4ft options for different applications
- CCT : 4000K / 6500K
- Lumen Packs : 2000lm/ 4000 Lm

Polycarbonate Housing and SS Hardware

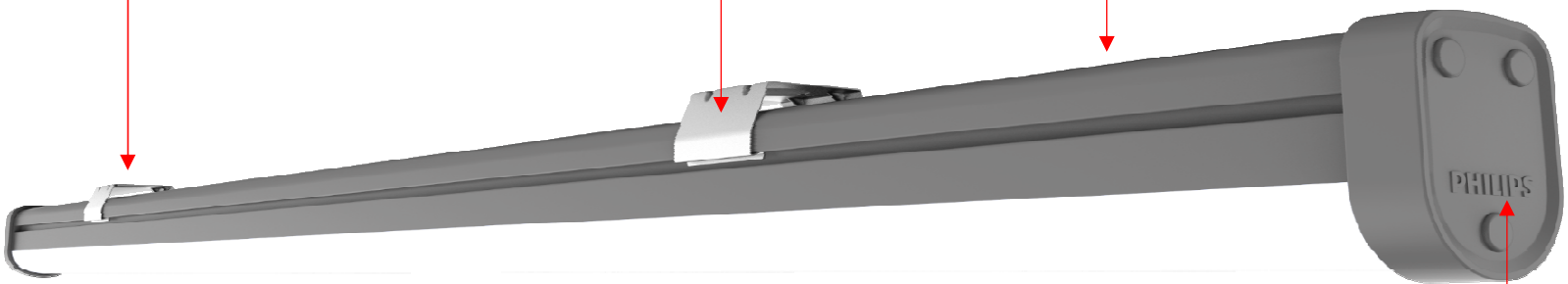
- Long Life
- IP65 protection over life time
- Robust working

Smartbright Waterproof – Construction and Materials

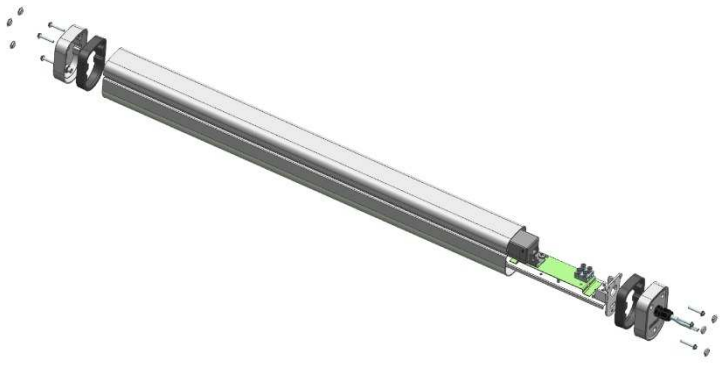
SS mounting Accessories
Long life and easy To handle

Sliding groove Embedded in PC housing
Easy to change installation place

Housing:
UV-shielding PC for semi-outdoor environment



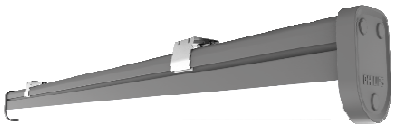
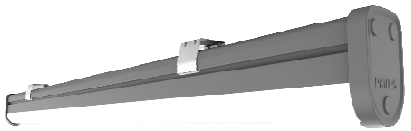
Product Construction



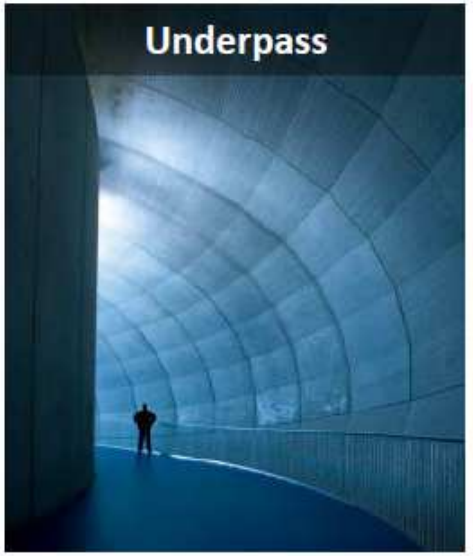
Constant Current Electronic Driver

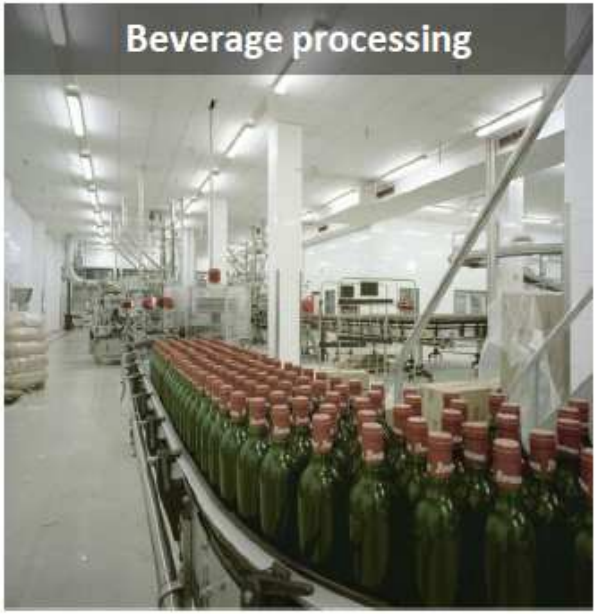
Openable End Caps
Polycarbonate End caps fixed wit M3 Screws which give excess to Driver for servicability

Smartbright Waterproof – Product Specification

	WT201C LED20S L120	WT201C LED40S L120
Image		
Form Factor	Linear 4 Ft	Linear 4 Ft
TYPE Name	WT201C LED20S	WT201C LED40S
Light Source	Midflux LED	Midflux LED
Lumen Output	2000	4000
Power (w)	20w	40w
luminous Efficacy (Typical)	100lm/w	100lm/w
Corelated color temperature	4000k/6500k	
Color rendering Index	>80	
Maintenance of lumen L 70 (hrs)	50 K Hrs	50k hrs
operating temperature range	0-45 Degree C	
Driver	Constant current	
Material	PC Housing	
Housing color	Grey	

Applications

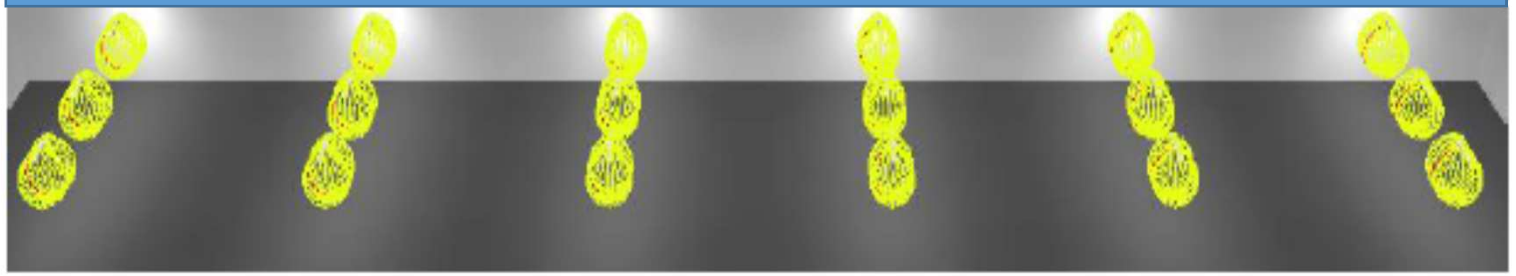




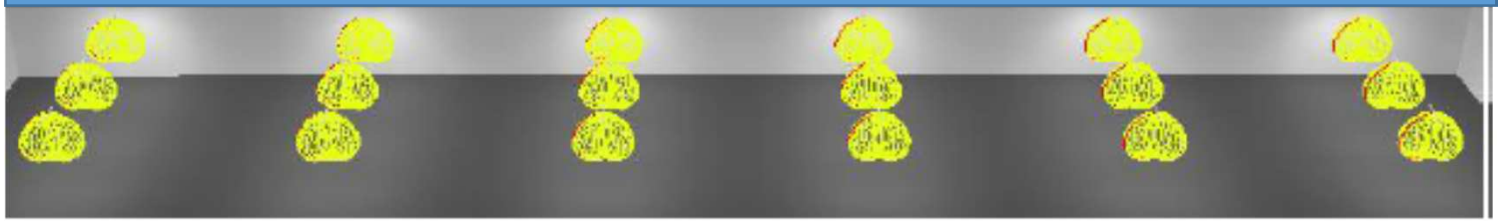
Smartbright Waterproof – Application Simulation

Smartbright 4000lm is one to one replacement for twin lamp Waterproof and saves 50%

Conventional : TCW450 2xTL-D 36W

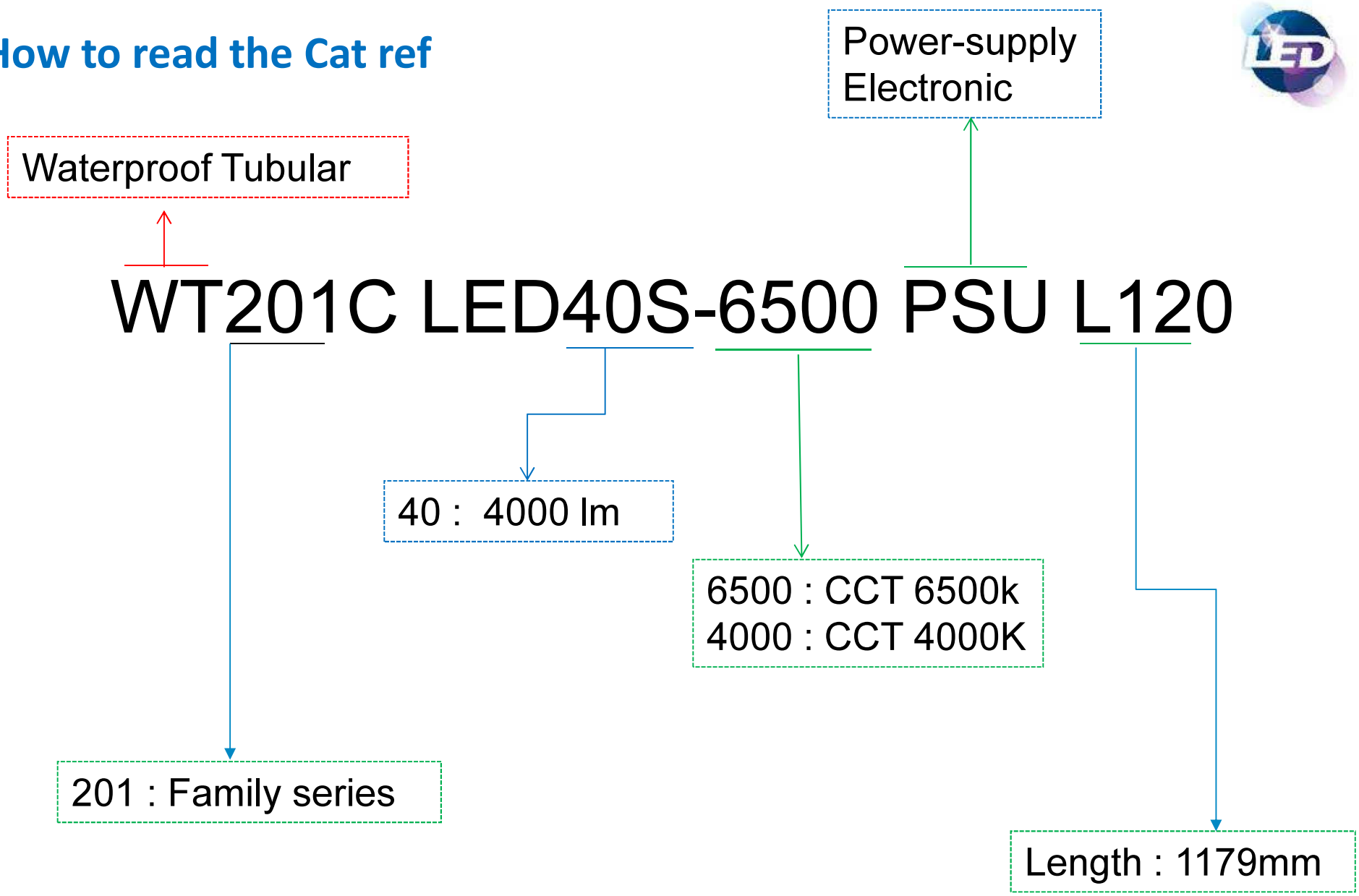


LED : Smart bright 4000lm



Option	Luminaire	Qty	Output (Lm)	Total Power (W)	Average Lux
1	TCW450 2xTLD36	18	3800	1512	106
2	WT201C LED40S	18	3820	702	103

How to read the Cat ref



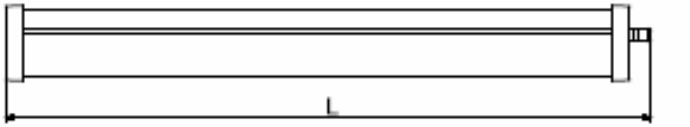
Ordering Data

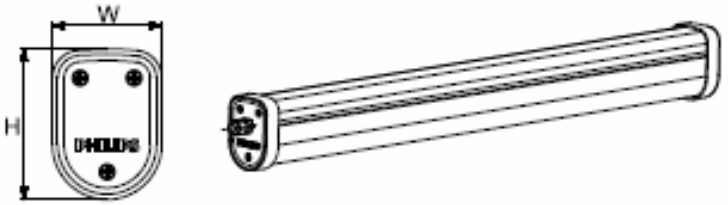
Version	Description	12 NC
4000 Lm/ ~ 4 Ft	WT201C LED40S-6500 PSU L120	9195 158 11997
	WT201C LED40S-4000 PSU L120	9195 158 11998
2000 Lm/ ~ 4 Ft	WT201C LED20S-6500 PSU L120	9195 158 11999
	WT201C LED20S-4000 PSU L120	9195 158 12001

Spare information

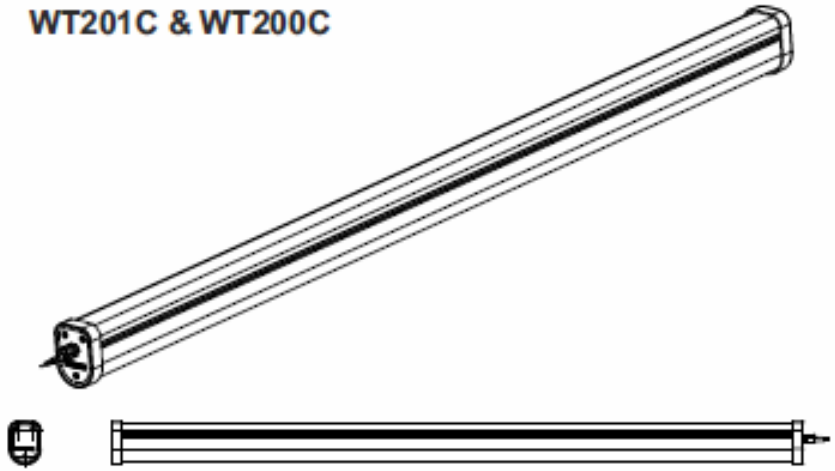
Version	Description	12 NC	Spare Driver 12 NC
4000 Lm/ ~ 4 Ft	WT201C LED40S-6500 PSU L120	9195 158 11997	441539003810
	WT201C LED40S-4000 PSU L120	9195 158 11998	441539003810
2000 Lm/ ~ 4 Ft	WT201C LED20S-6500 PSU L120	9195 158 11999	441539003812
	WT201C LED20S-4000 PSU L120	9195 158 12001	441539003812

TYPE	Dimensions (mm)		
	L	W	H
2 Feet	618	52.3	72
4 Feet	1179	52.3	72





WT201C & WT200C

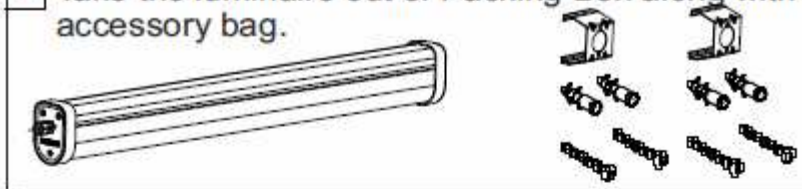


TYPE	: WT201C & WT200C
VOLTAGE	: 240 V, 50 Hz
IP CLASSIFICATION	: IP 65
NET WEIGHT (2 Feet)	: 0.7 Kg.
NET WEIGHT (4 Feet)	: 1.2 Kg.
APPLICATION	: INDUSTRIAL

Mounting Instruction

Surface Mounting

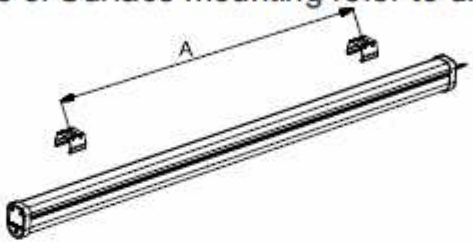
1 Take the luminaire out of Packing Box along with the accessory bag.

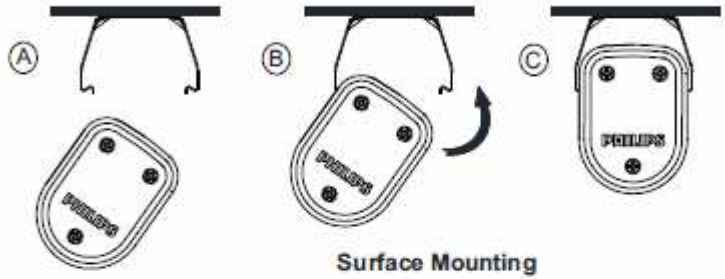


2 Fix mounting bracket onto ceiling (two anchor & two screw for single mounting bracket.

3 The distance of Surface mounting refer to distance " A" .

TYPE	A (mm)
2 Feet	380±20
4 Feet	780±20





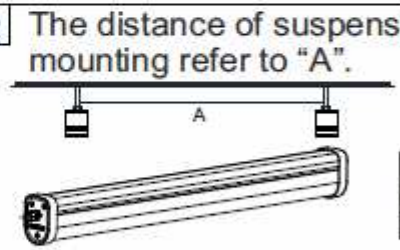
Surface Mounting

Suspension Mounting.

1

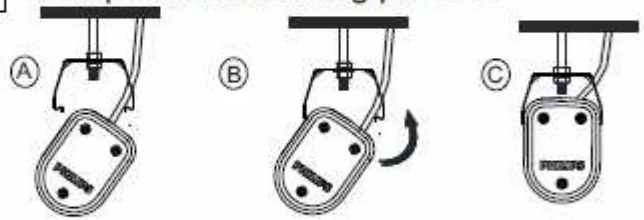
Fix the pole to ceiling surface and mount suspension bracket.

2 The distance of suspension mounting refer to "A".

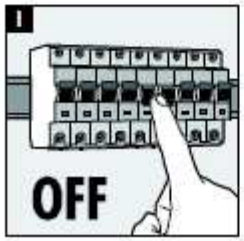


TYPE	A (mm)
2 Feet	380±20
4 Feet	780±20

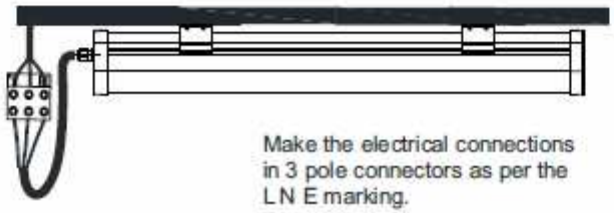
3 Suspension mounting process



4 Switch off the main power supply.



5 Connect to the main power supply.



Make the electrical connections in 3 pole connectors as per the L N E marking.

6 **CAUTION**

1. The luminaire shall be installed by a qualified electrician and wired in accordance with the latest IEE electrical regulations or the national requirements.
2. Do not switch on before completing the installation.
3. The luminaire shall, under no circumstance, be covered with insulation mating or similar material.
4. Polyfilm should be removed before mounting

FAILURE OF PRODUCT DUE TO NON COMPLIANCE TO ANY OF THE ABOVE, VOIDS WARRANTY OF PRODUCT.

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