

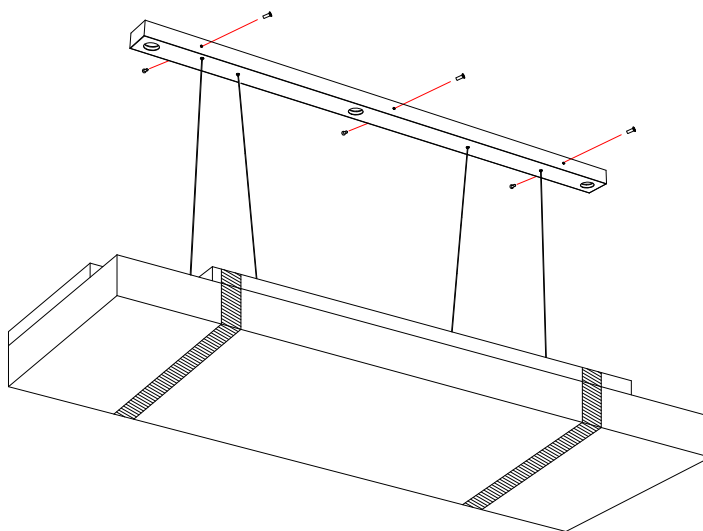
ALL OPERATIONS MUST BE CARRIED OUT BY QUALIFIED PERSON

- ① Remove the rosette from the foam.
Do not remove the rest of the lamp from the foam.
Remove the screws that fix the canopy to the bracket.

Sfilare il rosone dall'imballo.

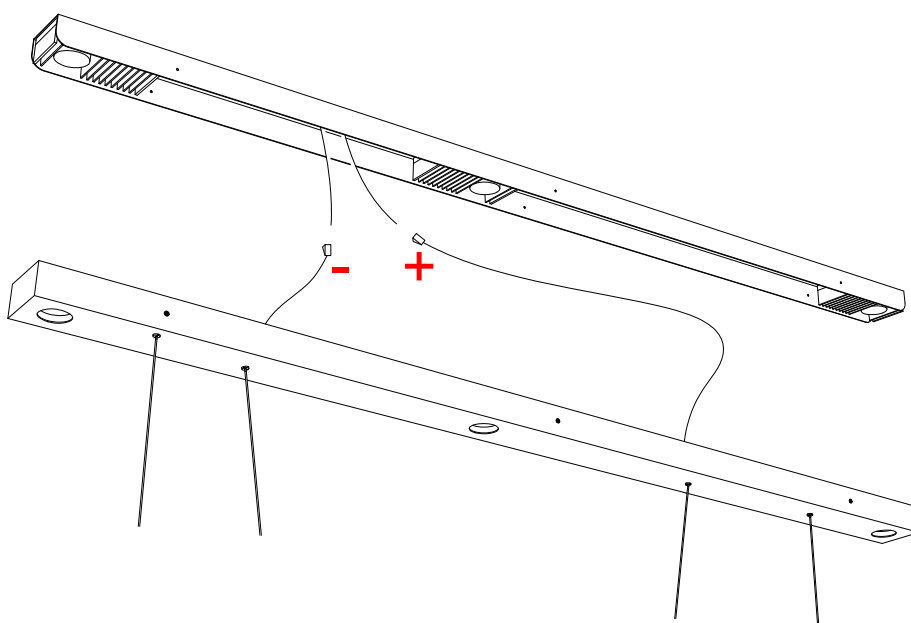
Non rimuovere il resto della lampada dall'imballo.

Rimuovere le viti che mantengono la staffa fissata al supporto.



- ② Disconnect the clamps + and -

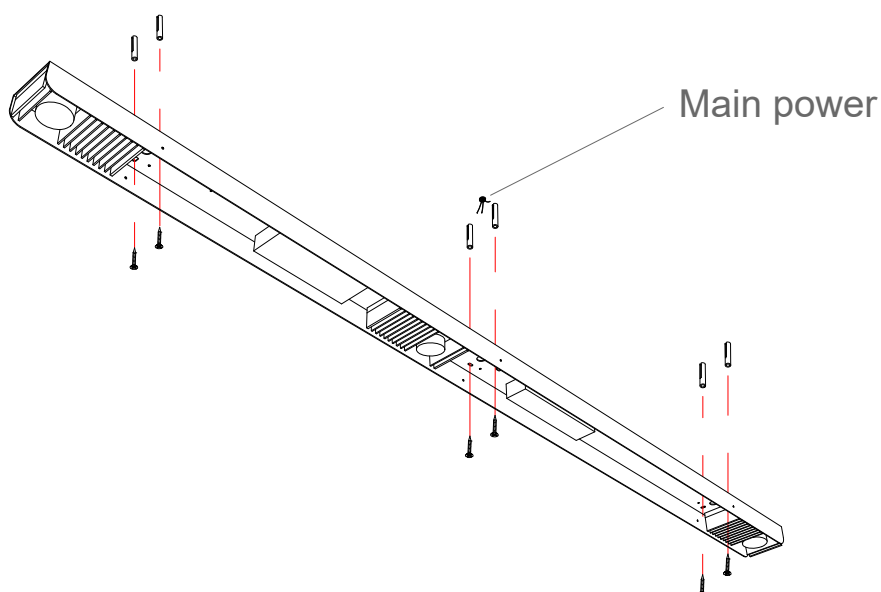
Scollegare i morsetti + e -



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- ③ Fix the bracket on the ceiling (use appropriate anchors depending on the type of ceiling).

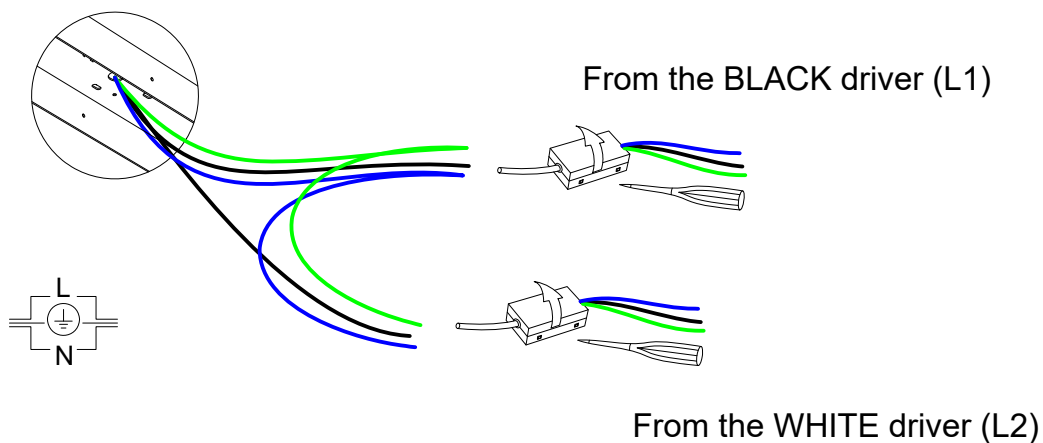
Fissare la staffa a soffitto (utilizzare tasselli appropriati in base al tipo di soffitto).



- ④ Connect the cables following the sketch.
The lamp is provided with clamps for separated light up.
If not supported connect the clamps together.

Unire i cavi seguendo lo schema.

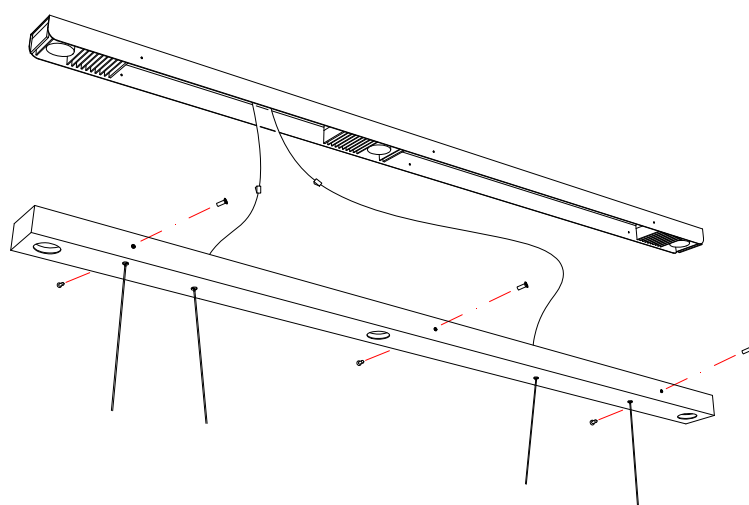
La lampada è provvista di morsetti per l'accensione separata.
Laddove non fosse prevista unire assieme i morsetti



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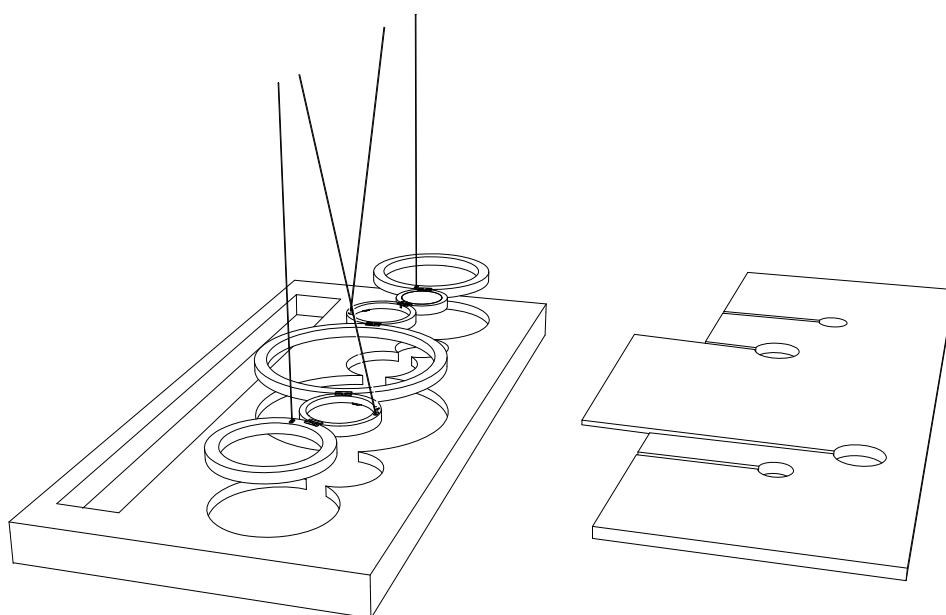
- ⑤ Connect the clamps + and -
Fix the canopy on the bracket with the screws provided.

Ricollegare i morsetti + e -
Fissare il rosone alla staffa utilizzando le viti fornite.



- ⑥ Remove the lamp from the foam.

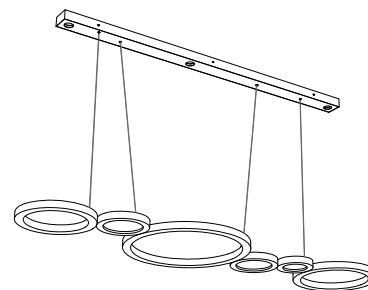
Rimuovere la lampada dall'imballo.



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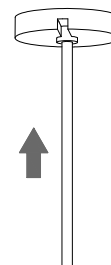
- ⑦ Approximately set the length of the metal cables.

 Impostare la lunghezza approssimativa dei cavi metallici.



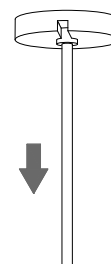
To shorten the length of the metal cable, gently push in the griplock.

 Per accorciare l'altezza del cavo metallico, infilarlo delicatamente nel griplock.



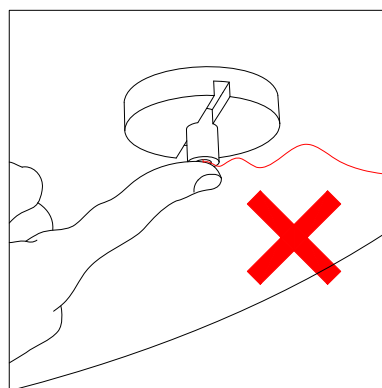
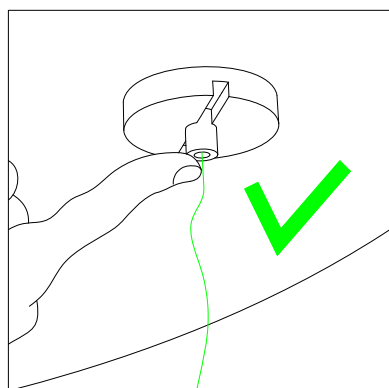
To extend the length of the metal cable, gently pull it out, while pushing the griplock's movable part.

 Per estendere la lunghezza del cavo metallico, estrarlo delicatamente mentre si esercita pressione sul griplock.

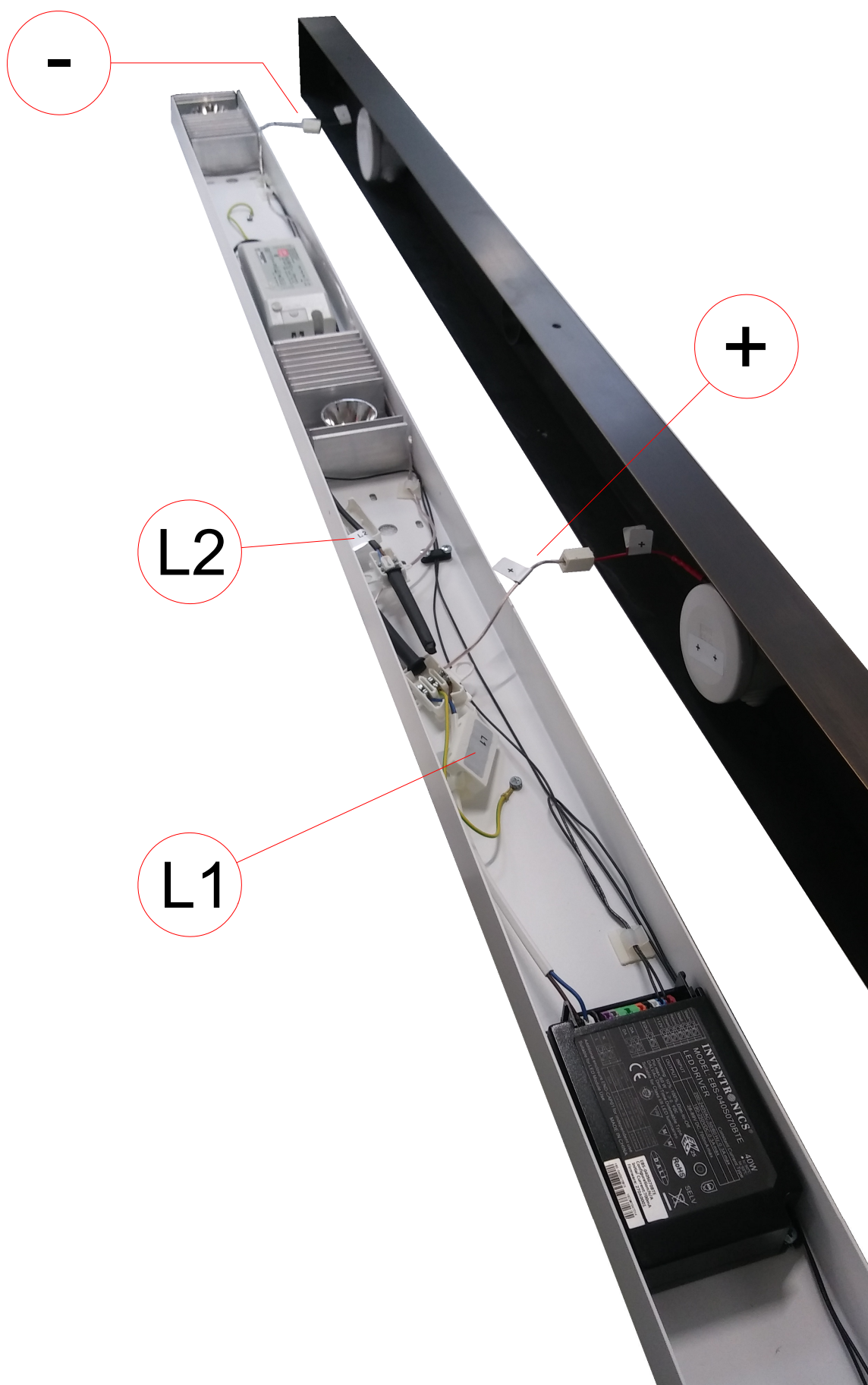


Use the griplock by pressing with the tip of your finger without bending the metal cable.

 Per regolare il griplock premere con la punta del dito senza piegare il cavo metallico.



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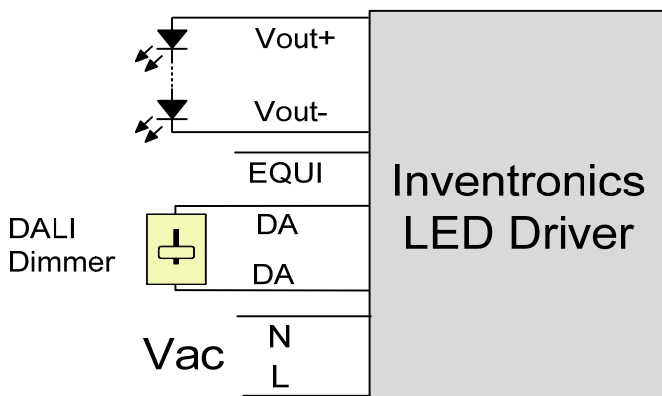
INVENTRONICS



Features

- High Efficiency (Up to 89.5%)
- Full Power at Wide Output Current Range (Constant Power)
- Thermal Sensing and Protection for LED Module
- DALI/AC Dim/Timer Dimmable (3 Timer Modes)
- Dim-to-Off with Standby Power $\leq 0.5\text{ W}$
- Always-on Auxiliary Power: 12Vdc, 200mA (Transient Peak Current up to 400mA)
- Output Lumen Compensation
- Long Lifetime Over 90K Hours at 75°C Case Temperature
- Input Surge Protection: DM 6 kV, CM 10 kV
- All-Around Protection: OVP, SCP, OTP,
- IP20 Design and Suitable for Outdoor Applications in Luminaires with IP>54
- SELV Output
- Suitable for Luminaires with Protection Class I and II
- Complies with Zhaga Interface Specification Book 13
- 7 Years Warranty

● DALI Dimming



CONTARDI®

N.O.



DC VOLTAGE							
CONSTANT CURRENT REGION	Note.6						
RATED CURRENT							
CURRENT RANGE							
RATED POWER							
RIPPLE & NOISE (max.)	Note.2						
VOLTAGE ADJ. RANGE	Note.5						
CURRENT ADJ. RANGE	Note.5						
VOLTAGE TOLERANCE	Note.3 ±10%						
LINE REGULATION	±3.0%						
LOAD REGULATION	±5.0%						
SETUP TIME	500ms / 230VAC 3000ms / 115VAC at full load						
VOLTAGE RANGE	Note.4 90 ~ 264VAC		127 ~ 370VDC				
FREQUENCY RANGE	47 ~ 63Hz						
POWER FACTOR (Typ.)	PF>0.92/115VAC, PF>0.9/230VAC at full load (Please refer to "Power Factor Characteristic" curve)						
TOTAL HARMONIC DISTORTION	THD< 20% when output loading 75% at 115VAC/230VAC input						
EFFICIENCY (Typ.)	85%	86%	87.5%	87%	88%	89%	89%
AC CURRENT (Typ.)	0.8A/115VAC 0.4A/230VAC						
INRUSH CURRENT (Typ.)	COLD START 35A(width=35μs measured at 50% Ipeak) at 230VAC						
MAX. No. of PSUs on 16A CIRCUIT BREAKER	32 units (circuit breaker of type B) / 32 units (circuit breaker of type C) at 230VAC						
LEAKAGE CURRENT	<0.75mA / 240VAC						
OVER CURRENT	95 ~ 110%						
SHORT CIRCUIT	Protection type : Constant current limiting, recovers automatically after fault condition is removed						
OVER VOLTAGE	13.8 ~ 16V	17.5 ~ 21V	23 ~ 26V	28 ~ 32V	31 ~ 35V	41 ~ 46V	54 ~ 60V
OVER TEMPERATURE	Protection type : Shut down o/p voltage, re-power on to recover						
WORKING TEMP.	Shut down o/p voltage, recovers automatically after temperature goes down						
WORKING HUMIDITY	-30 ~ +50 (Refer to "Derating Curve")						
STORAGE TEMP., HUMIDITY	20 ~ 95% RH non-condensing						
TEMP. COEFFICIENT	-40 ~ +80 , 10 ~ 95% RH						
VIBRATION	±0.03%/ (0 ~ 50)						
SAFETY STANDARDS	10 ~ 500Hz, 2G 12min./1cycle, period for 72min. each along X, Y, Z axes						
WITHSTAND VOLTAGE	U/I1310, TUV EN61347-1, EN61347-2-13, GB19510.14, GB19510.1, CAN/CSA C22.2 No. 223-M91(except for 48V), J61347-1, J61347-2-13,EAC TP TC 004 approved						
ISOLATION RESISTANCE	I/P-O/P: 3.75KVAC I/P-FG: 2KVAC O/P-FG: 0.5KVAC						
EMC EMISSION	I/P-O/P: 100M Ohms / 500VDC / 25 / 70% RH						
EMC IMMUNITY	Compliance to EN55015, GB17743, GB17625.1, EN61000-3-2 Class C (75% load) ; EN61000-3-3,EAC TP TC 020						
MTBF	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024,EN61547, light industry level, criteria A,EAC TP TC 020						
DIMENSION	515Khrs min. MIL-HDBK-217F (25)						
PACKING	181.5*62*35mm (L*W*H)						
	0.41Kg; 30pcs/13.3Kg/0.67CUFT						

1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25 °C of ambient temperature.
2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uF & 47uF parallel capacitor.
3. Tolerance : includes test up tolerance, line regulation and load regulation.
4. Derating may be needed under low input voltage. Please check the static characteristics for more details.
5. Output voltage can be adjusted through the SVR1 on the PCB ; limit of output constant current level can be adjusted through the SVR2 on the PCB.
6. Please refer to "DRIVING METHODS OF LED MODULE".
7. The power supply is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again.
8. Direct connecting to LEDs is suggested, but is not suitable for using additional drivers.
9. To fulfill requirements of the latest ErP regulation for lighting fixtures, this LED power supply can only be used behind a switch without permanently connected to the mains.
10. The ambient temperature derating of 3.5 °C /1000m with fanless models and of 5 °C /1000m with fan models for operating altitude higher than 2000m(6500ft).