



HANGING
TRIDENT

Version

2

Hanging Tridents

User Manual

and Installation Guide



Designed, developed and manufactured by

U-Tron (Beijing) Electronics Co. Ltd.,



In Association with;
Soltron Corporation of Canada



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Version

2



Hanging Tridents Lights

The U-Tron Hanging Trident is a spin off of the popular Lucas Trident Street light. The three headed concept expands the coverage area of the lights, increases brightness and efficiency. The Hanging Trident can be hung from the ceiling, attached to poles or walls and has a multitude of functions.

It's easy to force a LED bulb inside an existing high bay light fixture and expect everything to work "well" and look "perfect". But it's not the case in the real world. The old fashion lamps are made to contain the heat inside the lampshade and LED on the other hand must let the heat evaporated as soon as possible to keep the LEDs from overheating.

At U-Tron we design lamps that bring out LED's advantages rather than fighting to sustain their weaknesses. At U-Tron "we do LEDs right".

Hanging Tridents and the LightBar series lamps are specially targeting the directional lights applications where easy scalable heat-sink will bring flexibility and maintain the longevity of the LEDs.

KEY

APPLICATION

Warehouse

Factories

Indoor Sport Arena

Airports

Train Stations

KEY MODELS

HT 60

HT 84

HT 90

HT 120

HT 126

ALL MODELS

SCALABLE



Technical Specifications

Hanging Trident light beam is user modifiable:

There are 2 ways to direct the lights in the Tridents. One way is by using the patented Reflectors and Lenses to deliver the exact light patterns you need for the applications. We can hang them at 8 feet or 8 meters and get the perfect light distribution you need for your applications. And the other way is by using the twistable side panels you can redirect the lights to cover wider areas on both end sides.



Circular Reflector



Rectangular Reflector



Lens Reflector

ORDERING PART NUMBERS

68HT-060-CR5100

68HT-084-CR5120

68HT-090-CR5150

68HT-120-CR5170

68HT-126-CR5200

Hanging Trident lights are scalable:

One of the most important aspect of this design is scalability. You can add or remove (for the time being this option is only allowed at the time of ordering) modules to mach your lighting requirements.

General Information

Watt range from 100 to 200 and scalable

TRIAC Dimmable

Lumens range from 800 to 10,000

No Mercury* (Broken CFL pollute the Environment with Hg)

Ruggedized Design – Unbreakable

50,000 Hour Life Expectancy

3 Years Warranty

Average 75% energy savings over HID, HPS and MH or incandescent

No UV or Additional Heat

CE listed, RoHS compliant, CSA and UL LISTED

Universal AC input: 120, 240 and 260 VAC Versions Available



Hanging Tridents 60,

Electrical Characteristics

Wattage 70 Watt

External Input Power Supply: 120-230 VAC 60Hz

Plug and play version - Connects directly into North American 3 Prong 10A outlet.

Life Span 50000hr

Light Characteristics

Flux 6,300 lumen

CCT = 5000 to 6000 Kelvin

Replacement value of 150 Watt HID/HPS

Beam Angle 120 D

Color Rendering Index: > 70

Product Dimensions

Length 354mm

Width 300 mm

Height 127 mm

Net Weight Per Piece 4000 Grams

Pieces Per Pack 1

Temperature & IP

Operating Temp. -40(min), 45(max)C

Storage -40(min), 65(max)C

Indoor versions IP = 55

Outdoor Version IP = 65



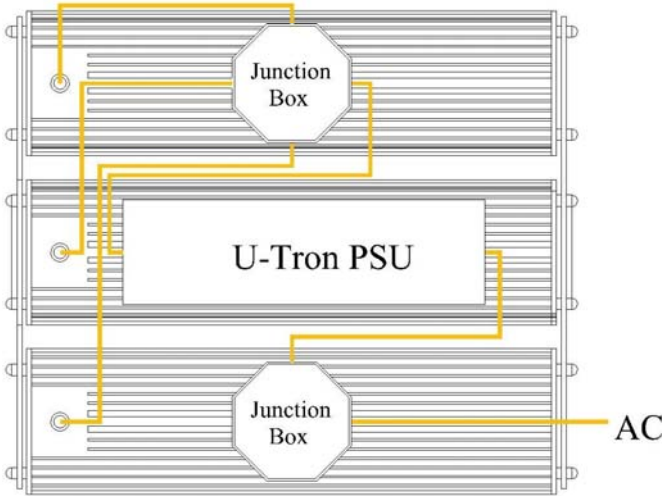
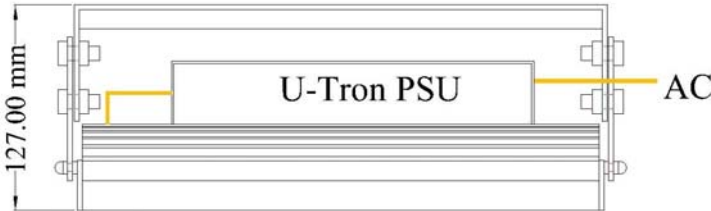
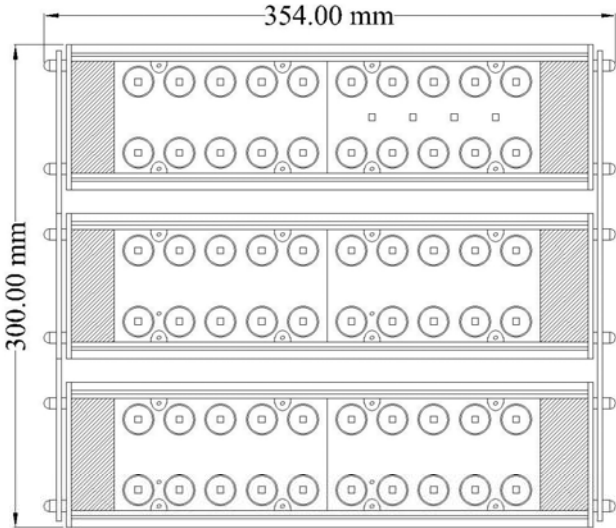
Ordering Information

Product Number A-68HT-060-CR5

Product Name Hanging Trident II 60

Product Ordering Name Hanging Trident 60 5500K 6300lm 70W

Hanging Trident 60 Technical Drawing



Hanging Tridents 84,

Electrical Characteristics

Wattage 97 Watt

External Input Power Supply: 120-230 VAC 60Hz

Plug and play version - Connects directly into North American 3 Prong 10A outlet.

Life Span 50000hr

Light Characteristics

Flux 8,730 lumen

CCT = 5000 to 6000 Kelvin

Replacement value of 200 Watt HID/HPS

Beam Angle 120 D

Color Rendering Index: > 70

Product Dimensions

Length 630mm

Width 300 mm

Height 185 mm

Net Weight Per Piece 4000 Grams

Pieces Per Pack 1

Temperature & IP

Operating Temp. -40(min), 45(max)C

Storage -40(min), 65(max)C

Indoor versions IP = 55

Outdoor Version IP = 65



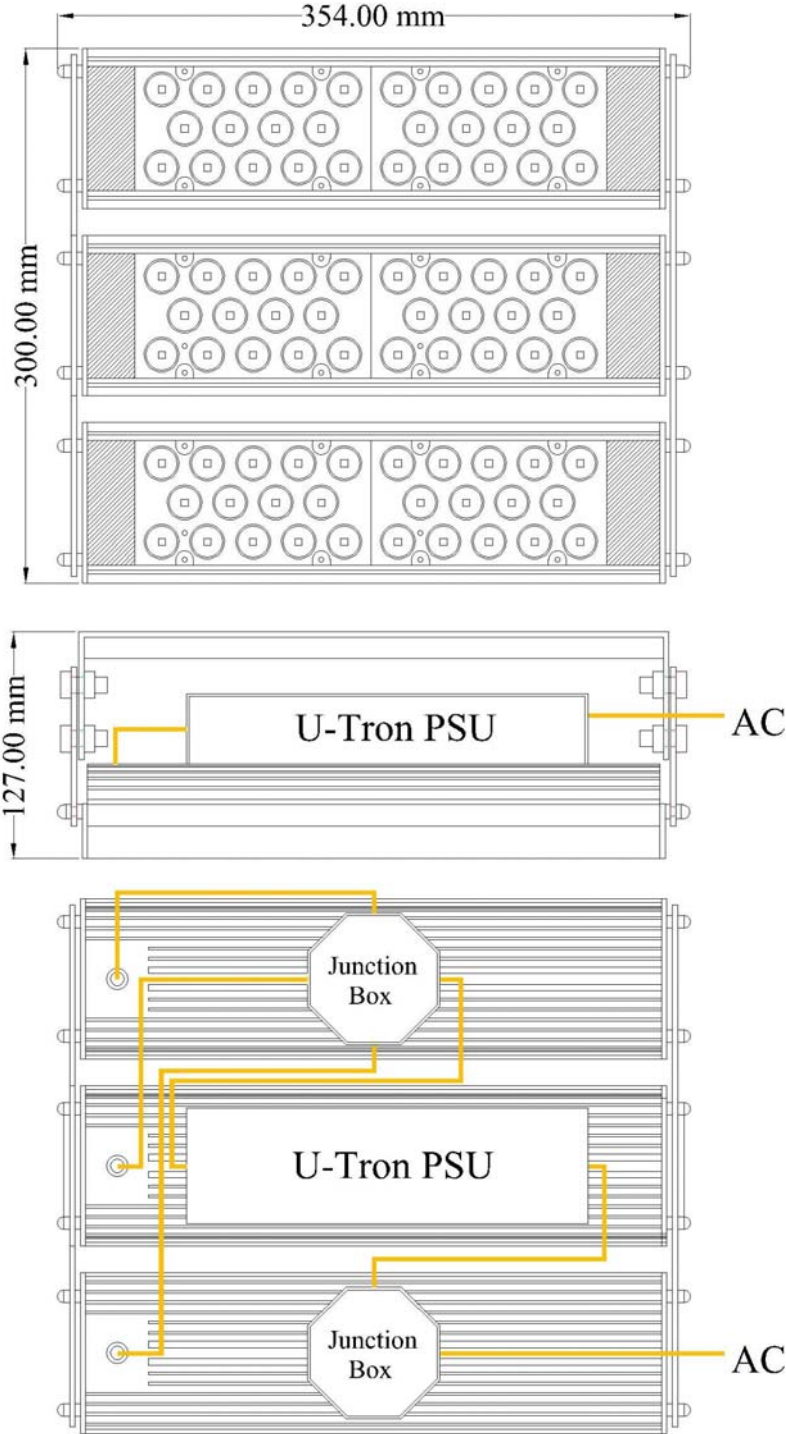
Ordering Information

Product Number A-68HT-084-CR5

Product Name Mini-Bar 10

Product Ordering Name Hanging Trident 84 5500K 8730lm 97W

Hanging Trident 84 Technical Drawing



Hanging Tridents 90,

Electrical Characteristics

Wattage 150 Watt

External Input Power Supply: 120-230 VAC 60Hz

Plug and play version - Connects directly into North American 3 Prong 10A outlet.

Life Span 50000hr

Light Characteristics

Flux 13,500 lumen

CCT = 5000 to 6000 Kelvin

Replacement value of 500 Watt HID/HPS

Beam Angle 120 D

Color Rendering Index: > 70

Product Dimensions

Length 489mm

Width 300 mm

Height 127 mm

Net Weight Per Piece 6000 Grams

Pieces Per Pack 1

Temperature & IP

Operating Temp. -40(min), 45(max)C

Storage -40(min), 65(max)C

Indoor versions IP = 55

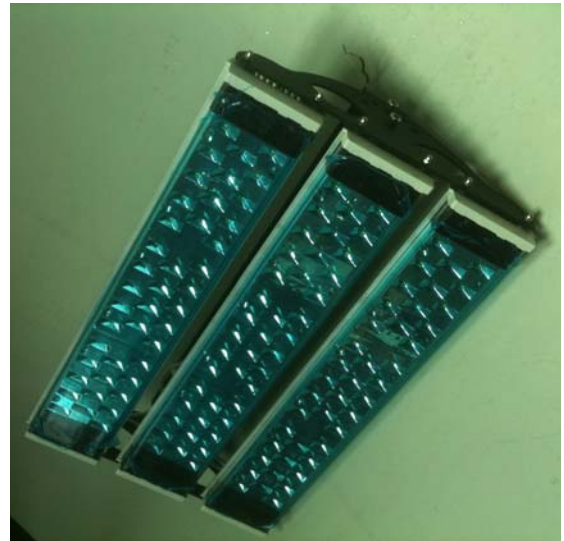
Outdoor Version IP = 65

Ordering Information

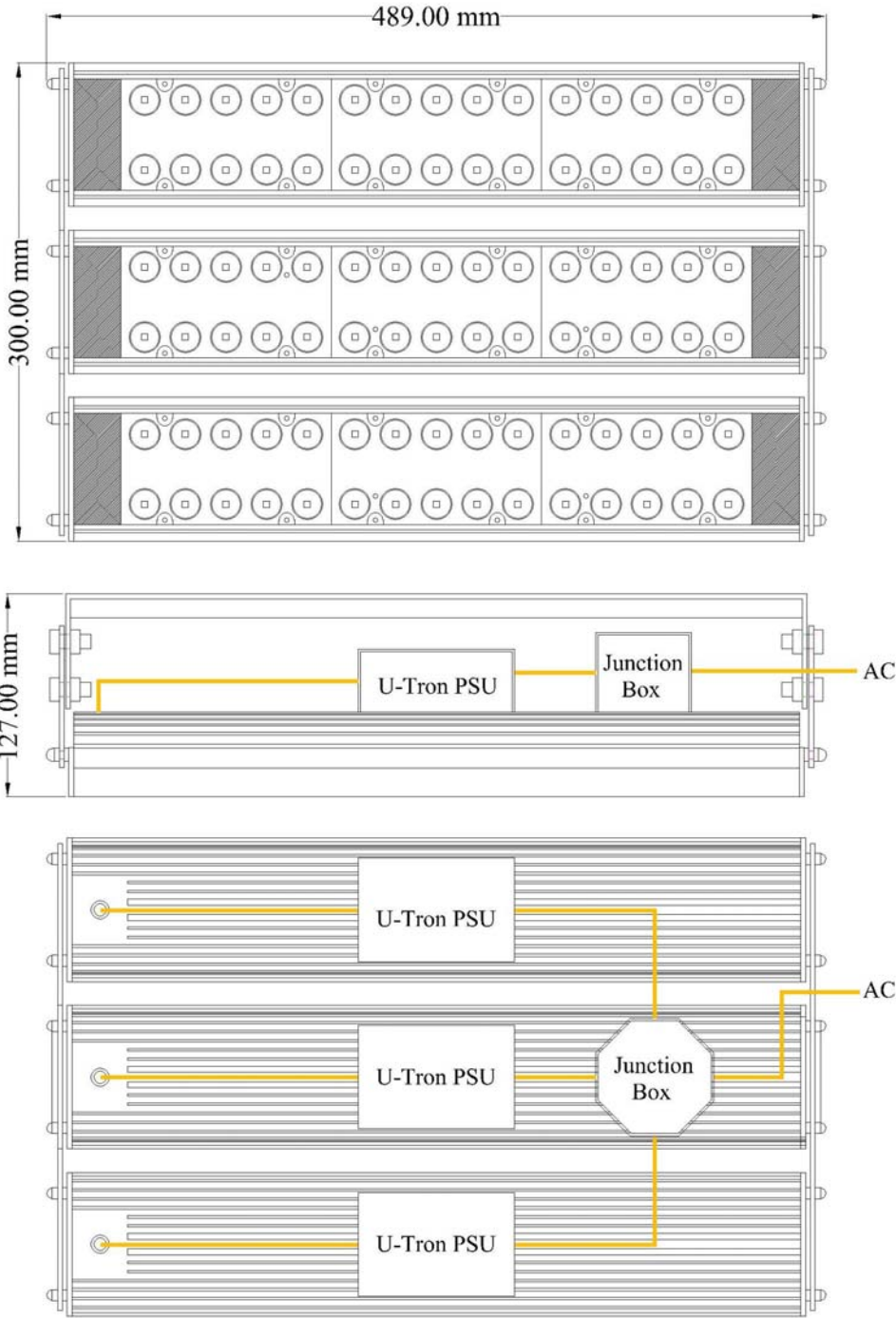
Product Number A-68HT-090-CR5

Product Name Mini-Bar 10

Product Ordering Name Hanging Trident 90 5500K 13500lm 150W



Hanging Trident 90 Technical Drawing



Hanging Tridents 120,

Electrical Characteristics

Wattage 170 Watt

External Input Power Supply: 120-230 VAC 60Hz

Plug and play version - Connects directly into North American 3 Prong 10A outlet.

Life Span 50000hr

Light Characteristics

Flux 15,000 lumen

CCT = 5000 to 6000 Kelvin

Replacement value of 500 Watt HID/HPS

Beam Angle 120 D

Color Rendering Index: > 70

Product Dimensions

Length 63mm

Width 300 mm

Height 185 mm

Net Weight Per Piece 7500 Grams

Pieces Per Pack 1

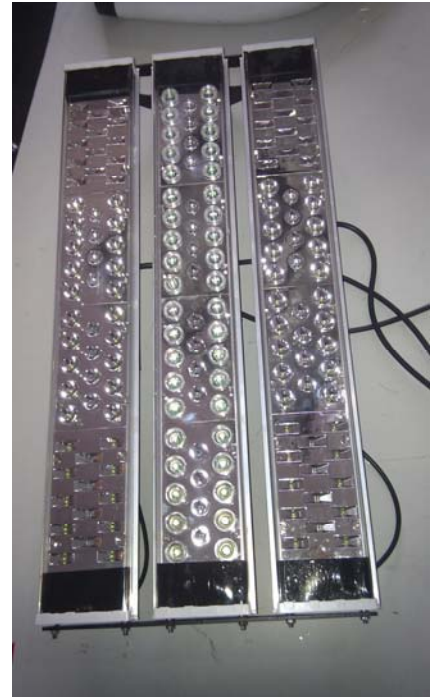
Temperature & IP

Operating Temp. -40(min), 45(max)C

Storage -40(min), 65(max)C

Indoor versions IP = 55

Outdoor Version IP = 65



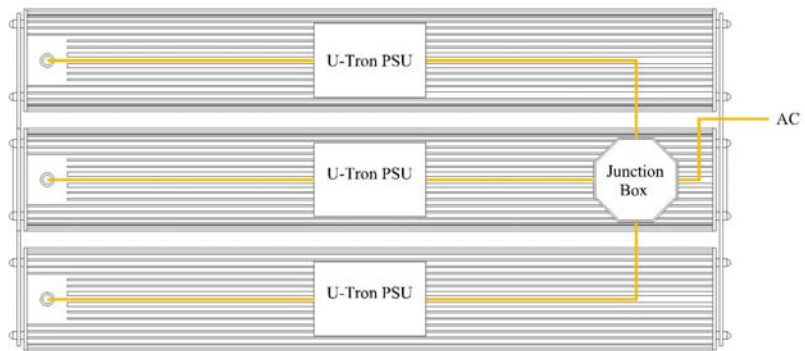
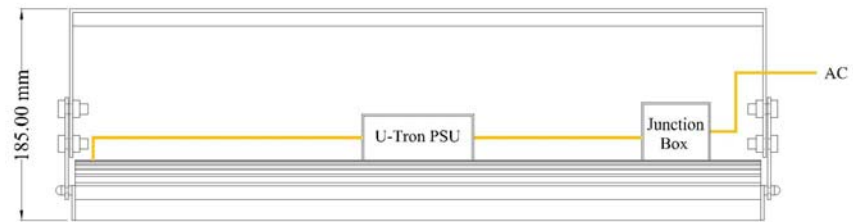
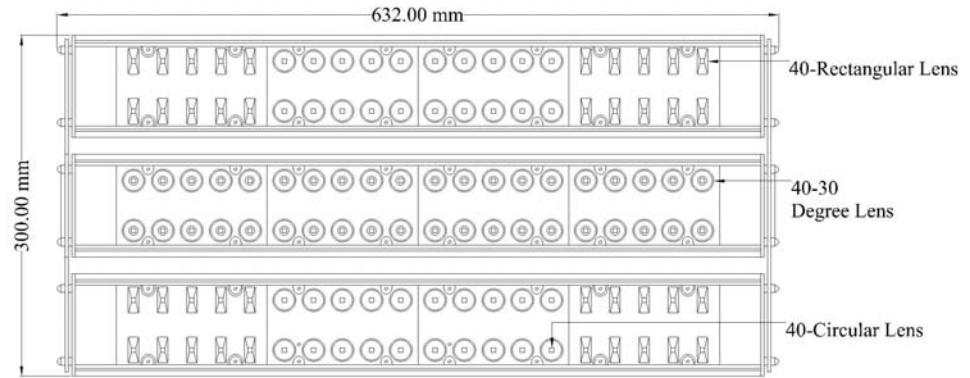
Ordering Information

Product Number A-68HT-120-CR5

Product Name Mini-Bar 10

Product Ordering Name Hanging Trident 120 5500K 15000lm 170W

Hanging Trident 120 Technical Drawing



Installation Information

Use standard rod or chain to hang from the ceilings.

Weight resistance must exceed 25Kg.

Use reverse buckle for easy height adjustments.



Warranty

U-Tron (Beijing) Electronics Co. Ltd., warrant the products listed bellow for a period of 36 months from the date of shipment to be free from defects in material or workmanship and to be of the kind and quality designated or specified in the purchase agreements. If any products dose not meets the above warranty and the buyer promptly files a warranty claim U-Tron shall do the following:

U-Tron shall provide a 12 months “**No Questions Asked**” replacement of any faulty units at no charge to the customer. The time limit for exchange shall not exceed 30 days from the time a claim is filed by the buyers. The buyers shall return the faulty units within 30 days of filing the claim. The method of shipping back the faulty units to U-Tron shall be decided at that time by U-Tron and all shipping charges shall be borne by U-Tron.

At the end of the 12 month period U-Tron shall provide additional free **extended warranty** for another 24 months. During this 24 months time U-Tron shall repair or replace and re-certify every faulty units reported. Shipping charges for sending the units to U-Tron shall be the responsibility of the Buyers and the Shipping charges to return the repaired goods to the buyer shall be borne by U-Tron. Time limit for repairs shall not exceed 60 days.

U-Tron at our own option can elect to provide replacement units at any desired percentage to be warehoused and logged by the buyers for timely service of the extended warranty replacements. When the warranty expires the bad units and the unused units shall be shipped back to U-Tron unless otherwise stipulated in the contract or purchase agreements. If the warehoused quantities become 90% used up or nearing the end of stock, the buyers shall ship back the faulty units to U-Tron. U-Tron shall rotate the spare parts inventory with in 60 days of receiving from the buyers.

All warranty claims items shall by shipped to the buyers regardless of the geographical location, by air freight to the nearest airport, and any returning items can be shipped by sea or air freight at the request of U-Tron. If the customer fails to return the said faulty units with in the time frame as instructed, it will be considered as sold and U-Tron reserve the rights to bill the customer for its full value.

U-Tron shall not bare any responsibilities with the buyers customer claims or shall not bare any other expenses incurred other than the units cost it self. Customer site un-installation and re-installation of any faulty units shall not be the responsibilities of U-Tron.

The warranties set forth herein shall be voided if the units have been 1) repaired or altered by any un-authorized person 2) subjected to misuse, negligence and accidents or operated in other than normal operation and use. 3) Connected, installed or modified in a manner not in accordance with U-Tron instructions.