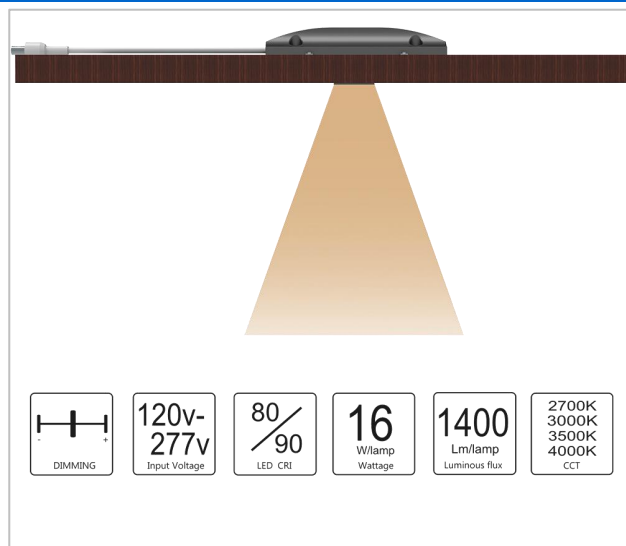
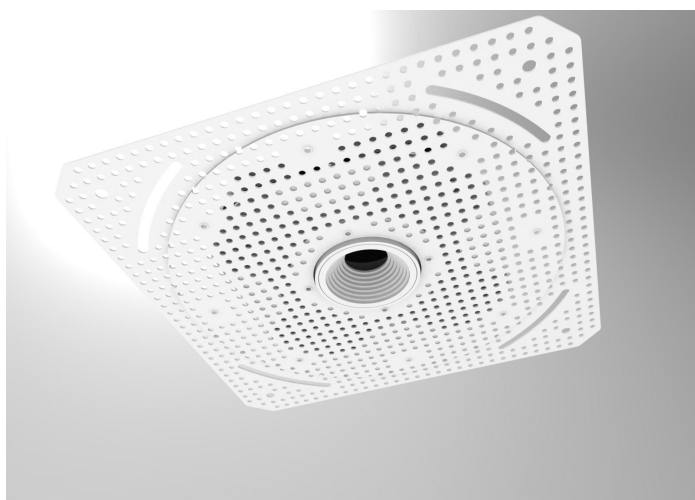


X-Light I 1 Inch Super Thin LED Mini Spotlight

Catalog #		Prepared by	LiteHarbor
Project		Date	
Notes			



X-Light-C LED Mini Spotlight

Description

X-Light I series, it provides a quick and convenient installation method, provides the solution of the edge of architecture lighting, and makes a big breakthrough in the use and design. 1 inch ($\varnothing 25\text{mm}$) of the light-emitting surface the size to achieve the ultimate.

Features

- X-light-C with square and circular light emission effect.
- Use big brand COB light source with high luminous efficiency (140lm/w) and long service life (80000 hours).
- Professional light distribution devices, no glare, perfect control light, spot even transition.
- Easy to change light sources, and multiple trim can share one housing.

Lamp Body

- Ultra thin, the height of the whole lamp is only 23mm .
- Ultra small light emitting surface, only 1 inch ($\varnothing 25\text{mm}$).
- All-in-one die casting lamp body with unique appearance.
- Double-sided heat dissipation, can be made into IC type directly.
- The anti-pull device is hidden inside the lamp body.



*Other special requirements please contact with our sales.



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LED MINI SPOTLIGHT

Power Supply

- Wide voltage input 120-277VAC, 50/60 Hz, 0-10V dimming, constant voltage and constant current mode.
- The power has UL listed, can be applied to a variety of applications.
- Integrated power supply, easy to replace the power supply.
- The input voltage of each lamp is 24V, the load termin can be used independently.
- Each luminaire is connected in parallel, one power supply can simultaneously control the use of five lamps.

Lamp

Wattage	16W Max./lamp
Input Voltage	24V
CCT	3000K/4000K/5000K/6500K
CRI	80+/90+
Luminous Flux	1400lm/lamp
Beam Angle	36°
Light source	COB
Life span	5-Year

Power Supply

Wattage	120W Max .
Input Voltage	120-277V AC
Frequency	50/60 Hz
Output Voltage	42V/24V
Electric current	3.4A Max .
Power Factor	>0.9
Dimming	0-10V Dimming

Applications

Apply to residential, offices, hotels, shopping mall stores etc.

Listing / Warranty

ETL listed to US and Canadian standards for damp location W/Feed through.
5 Year Limited Warranty.

Mounting And Maintenance

- Remodel and new construction optional.
- Wide range of applications, it can be installed in different ceiling thickness, is the real universal type downlight.
- Cut-out dimensions 142*142mm .
- The subsequent decoration is also convenient and quick.
- There is no welding between the light source and the power supply. Can replace the LED lamp beads according to the demand.

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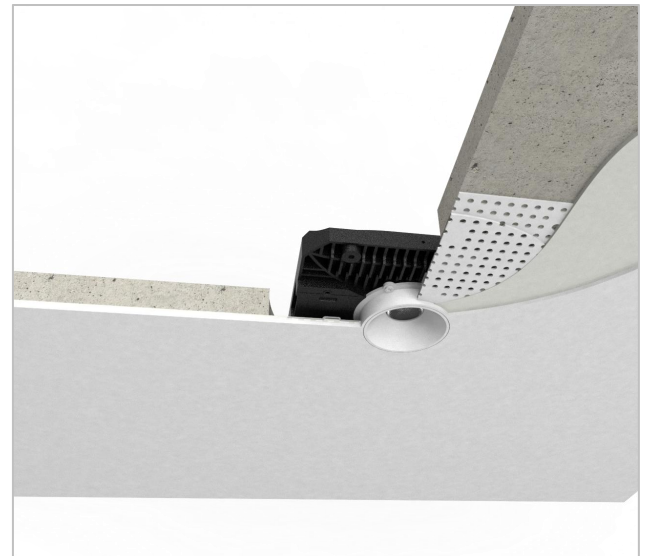
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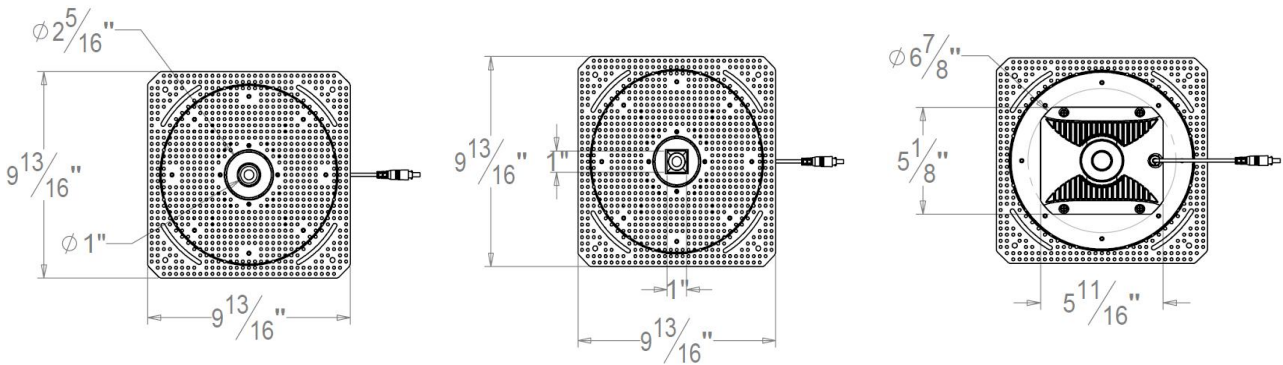
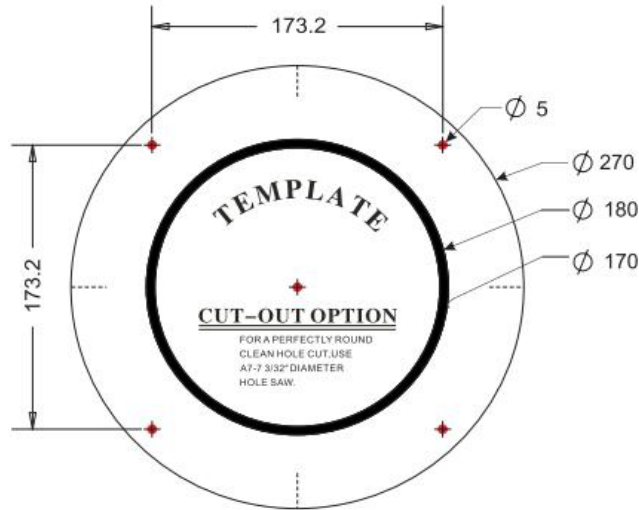
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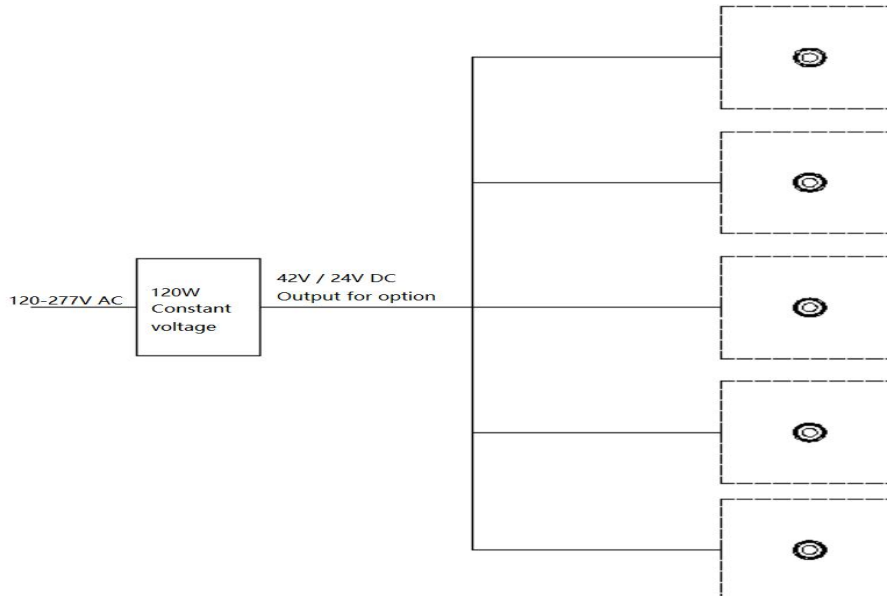
LED MINI SPOTLIGHT

Cut-Out

φ180MM



Wiring Diagram



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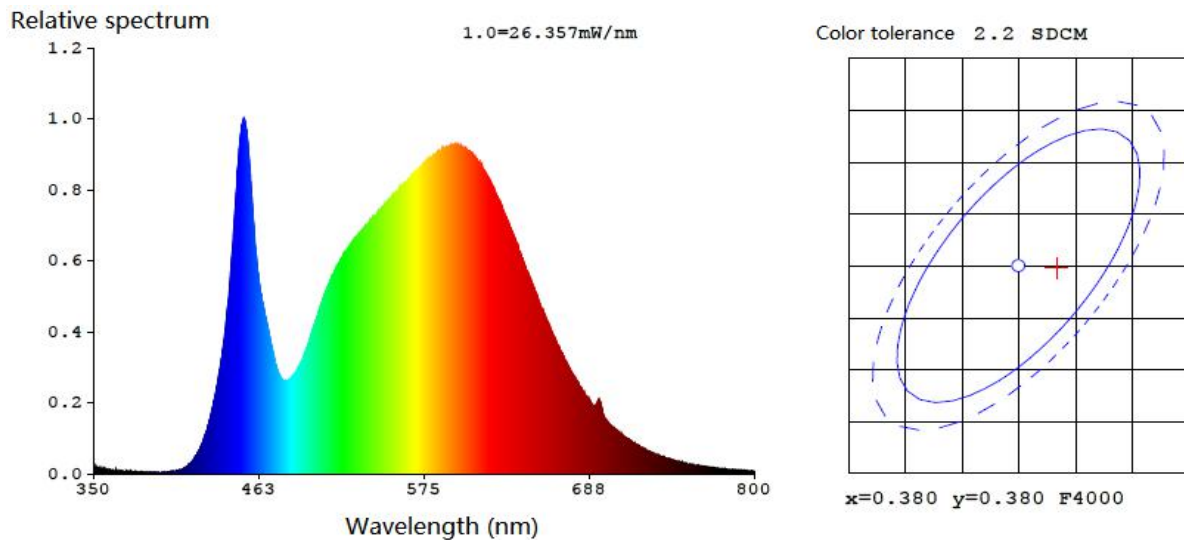
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Spectrogram

This is the naked test results of the light source and driver.



Line Pressure Drop Reference Table

Drive power supply output line voltage drop reference table (Uout=42V/24V Plamp=16W Voltage drop≤5%)

	18AWG	16AWG	14AWG	12AWG	10AWG
1 Light	≤270m	≤450m	≤700m	≤1100m	≤1800m
2 Lights	≤130m	≤220m	≤350m	≤550m	≤900m
3 Lights	≤60m	≤110m	≤170m	≤270m	≤450m
4 Lights	≤30m	≤55m	≤80m	≤130m	≤220m
5 Lights	≤15m	≤25m	≤40m	≤60m	≤110m

Ordering Guide

X-Light I Series	Mounting	Input Voltage	Wattage	Color Temperature
<input type="checkbox"/> X-light-C	<input type="checkbox"/> Remodel <input type="checkbox"/> New Construction	<input type="checkbox"/> 120V <input type="checkbox"/> 120V-277V	<input type="checkbox"/> 16W/lamp	<input type="checkbox"/> 3000K <input type="checkbox"/> 4000K <input type="checkbox"/> 5000K <input type="checkbox"/> 6500K <input type="checkbox"/> Dim to Warm <input type="checkbox"/> Tunable White
Dimmable	CRI	Light Source	Beam Angle	Reflector Cup Shpe
<input type="checkbox"/> Triac dimming <input type="checkbox"/> 0-10V dimming	<input type="checkbox"/> 80+ <input type="checkbox"/> 90+	<input type="checkbox"/> CREE <input type="checkbox"/> Citizen <input type="checkbox"/> Epistar <input type="checkbox"/> Seoul <input type="checkbox"/> Osram	<input type="checkbox"/> 36°	<input type="checkbox"/> Square <input type="checkbox"/> Smoothly Round <input type="checkbox"/> Baffle Round

*Other special requirements please contact with our sales.

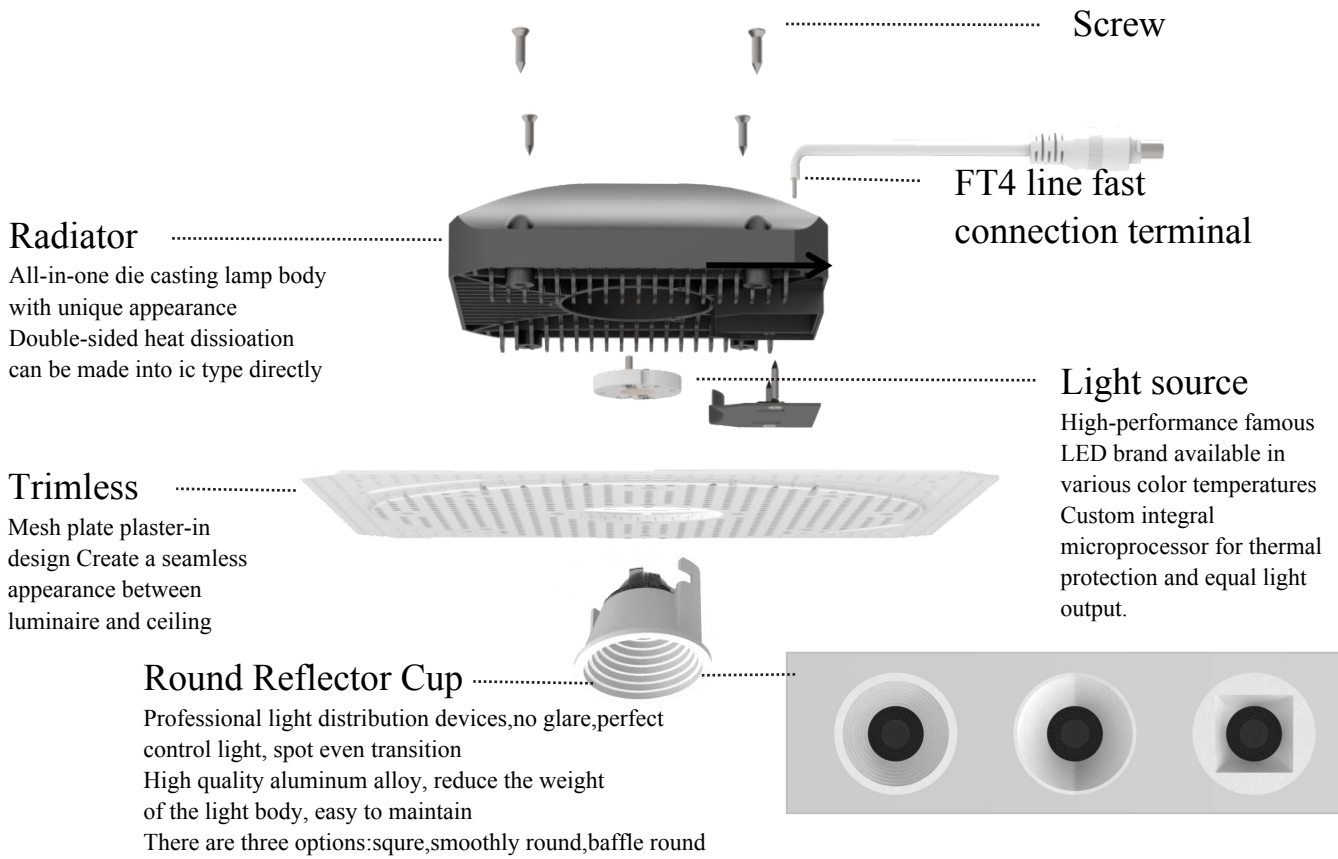


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Explosive view



LED MINI SPOTLIGHT

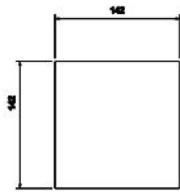
The trim is easy to replace with a buckle structure, which can be removed only by rotating around.



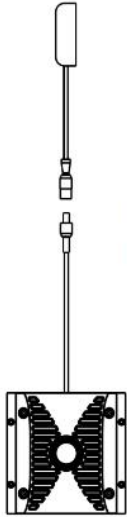
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	<p>Liteharbor Lighting Technology Co., Ltd. New Industry Area Hecun Danzao Town Nanhai Foshan City Guangdong China</p>	<p>TEL: +86-757-8180 8687 FAX: +86-757-8180 8685 E-mail: info@liteharbor.com</p>	<p>Website: www.liteharbor.com Specifications subject to change w/o notice Revision: Mar. 2022</p>
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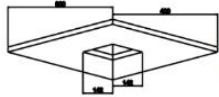
Installation diagram



Step1.
Cut a square 142*142mm opening into ceiling in the desired location.



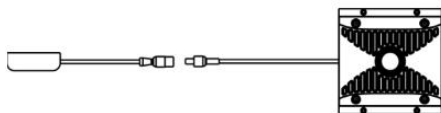
Step2.
Connect the wires.



Step1.
Cut a square 142*142mm into ceiling in the desired location.

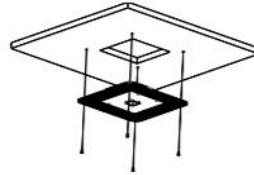


Step2.
Nailed a board to the joist.

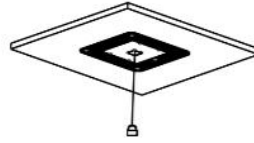


Step3.
Connect the wires.

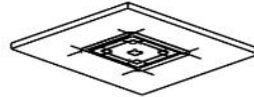
Remodel



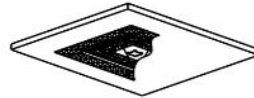
Step3.
Fixed the mesh plate.



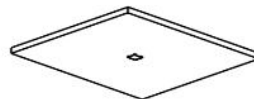
Step4.
Plug the reflector with a rubber plug.



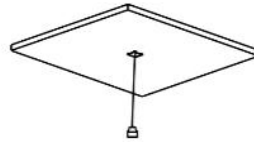
Step5.
(1)Seal the seam with caulking glue.
(2)Brush white latex.
(3)Use anti-crack seam tape.



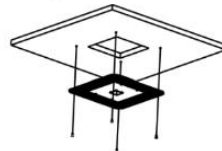
Step6.
Plastering.



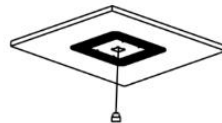
Step7.
Remove the rubber plug.



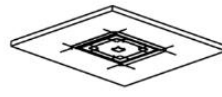
New Construction



Step4.
Fixed the mesh plate.



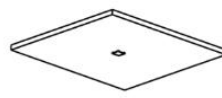
Step5.
Plug the reflector with a rubber plug.



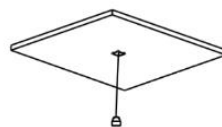
Step6.
(1)Seal the seam with caulking glue.
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Step7.
Plastering.



Step8.
Remove the rubber plug.



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