

Sharklet



Power and CCT Tunable LED Troffer Light

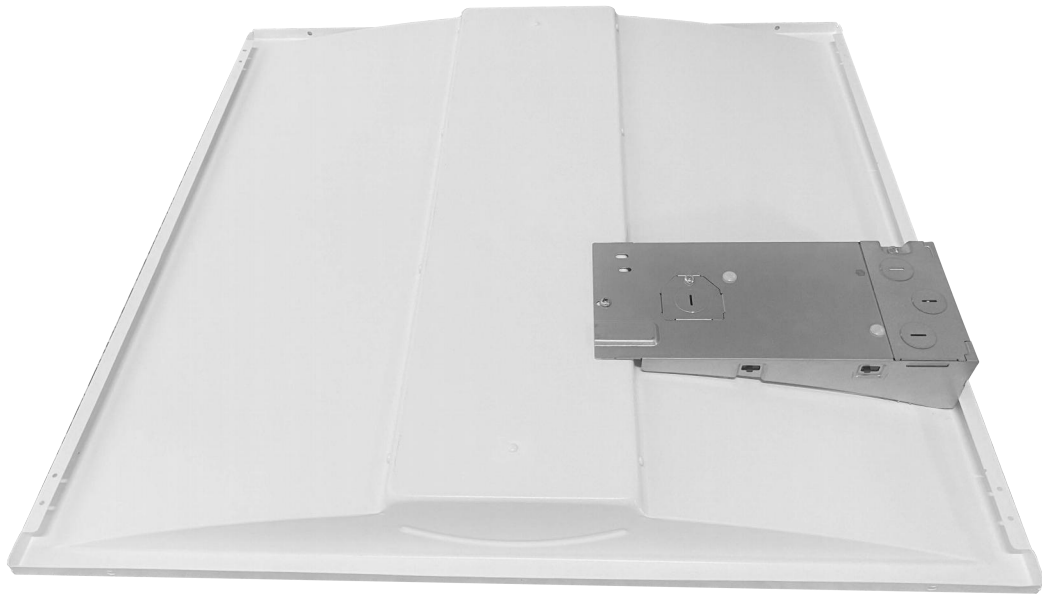
Tel: +86(0)755 29985870

Web: www.gielight.com

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Address: Building B, Jinfeng Industrial Zone, Yonghe Road, Heping community, Fuhai Street, Bao'an District, Shenzhen, China.

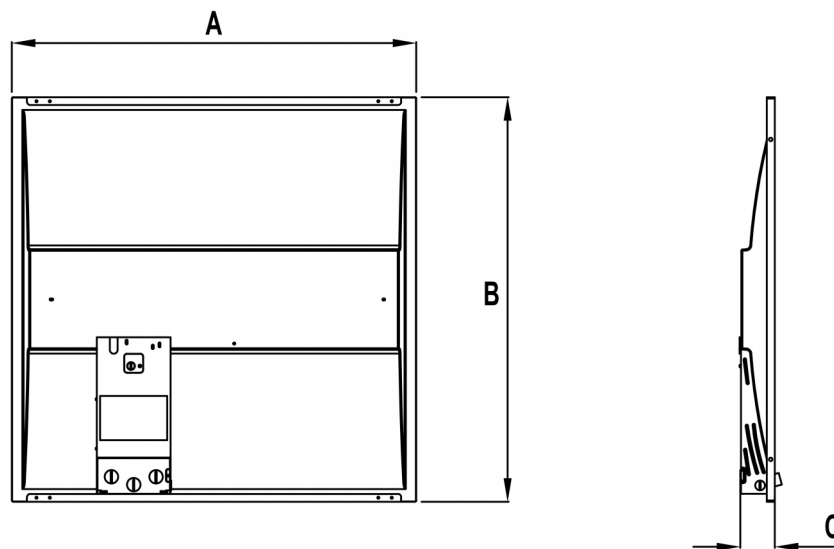
Product Appearance



Product Features

- 1. DIP Switch: 3 different Power and 3500K-4000K-5000K CCT tunable.
- 2. Smooth and comfortable light.
- 3. High lighting efficiency:> 130lm/W.
- 4. Ra>80, PF>0.95, THD<15%.
- 5. White Metal body, ensures durable quality and efficient heat dissipation.
- 6. High-quality 0-10V dimming isolated driver. High driver efficiency:>90%.
- 7. Smart options for bi-level dimming, motion sensor and emergency functions.
- 8. Convenient access to retrofit. Ideal for office, retail and other architectural spaces.
- 9. ETL and DLC 5.1 certified.
- 10. Five years' warranty.
- 11. Customers can install microwave sensor and bluetooth by themselves.

Product Dimension

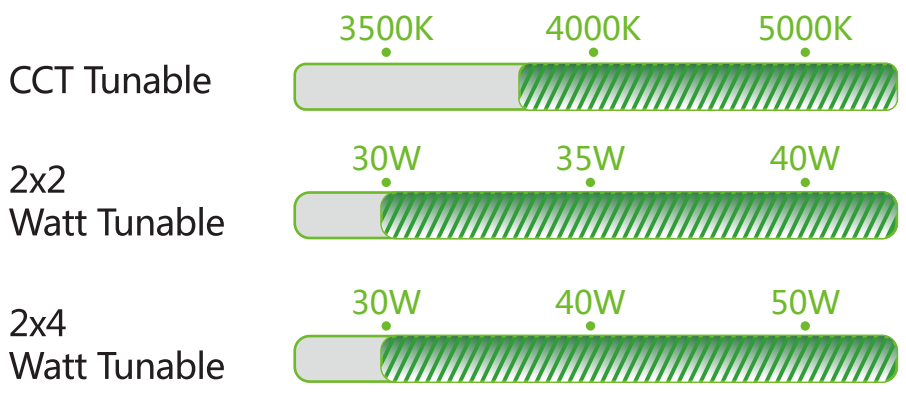
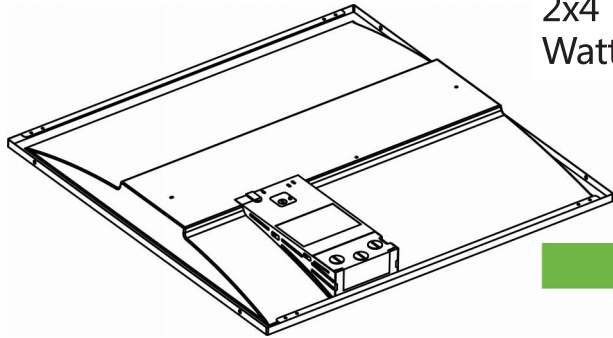


size	Mode	A (inch)(mm)	B (inch)(mm)	C (inch)(mm)
2x2FT	TTR-22-40W-L-HY	23.74" (603mm)	23.74" (603mm)	1.97" (50mm)
2x4FT	TTR-24-50W-L-HY	47.76" (1213mm)	23.74" (603mm)	1.97" (50mm)



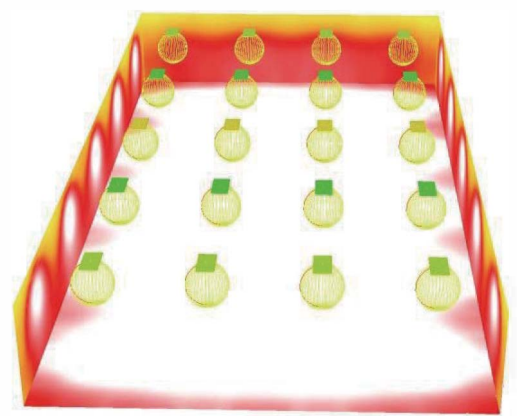
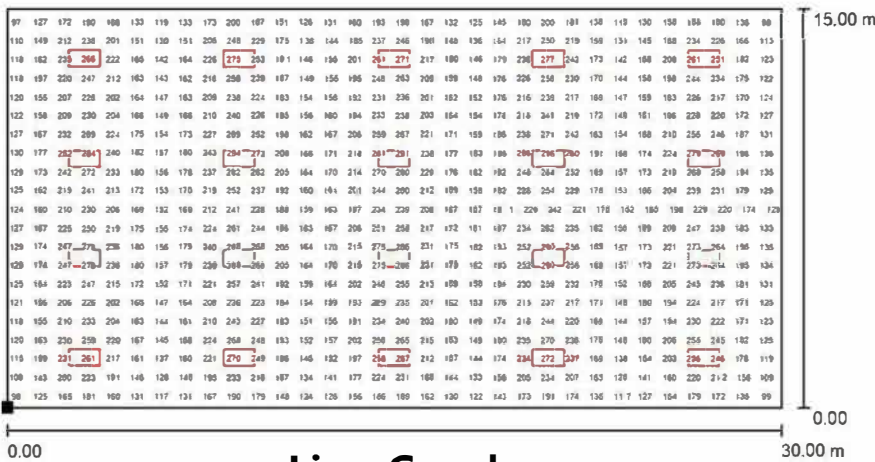
Specification

Mode	Power	Input Voltage	Dimmable	Input Current	PF	Light Efficacy	Ra	CCT
TTR-22-40W-L-HY	30-35-40W	AC100-277V	0-10V	0.4A	>0.9	130lm/w	80	3500K-4000K-5000K
TTR-24-50W-L-HY	30-40-50W	AC100-277V	0-10V	0.5A	>0.9	130lm/w	80	3500K-4000K-5000K



- 30W 3500K
- 30W 4000K
- 30W 5000K
- 35W 3500K
- 35W 4000K
- 35W 5000K
- 40W 3500K
- 40W 4000K
- 40W 5000K
- 50W 3500K
- 50W 4000K
- 50W 5000K

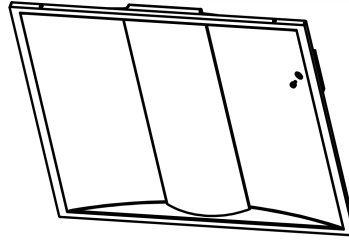
Simulation chart



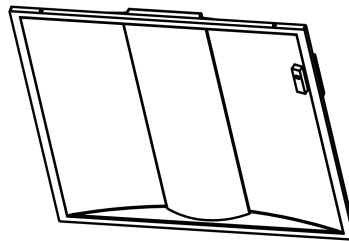
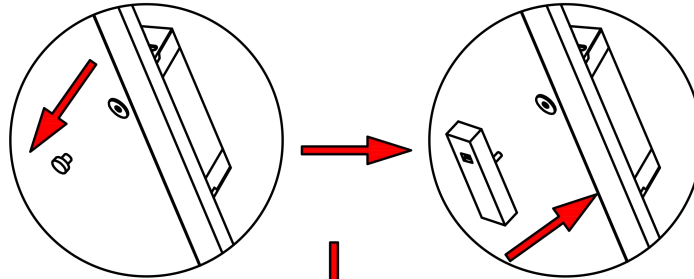
Line Graph

Thermal Imaging

Features & Benefits

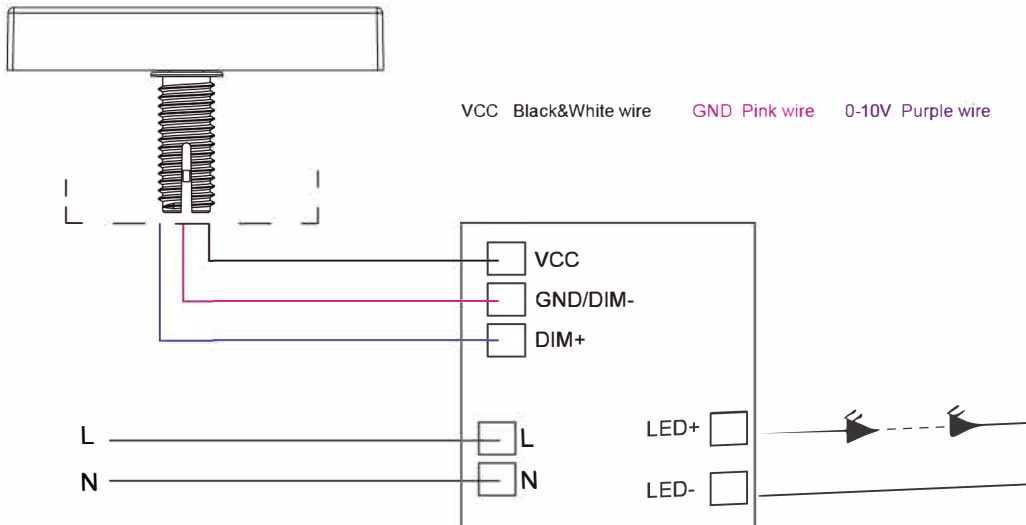


1. Remove the plastic plug



2. The sensor can be inserted into the aligned base


Wiring Diagram



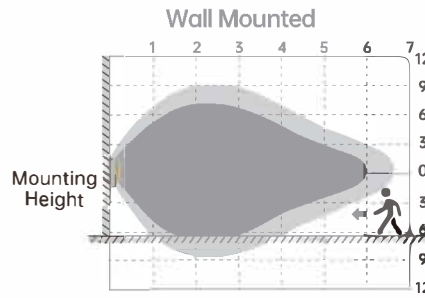
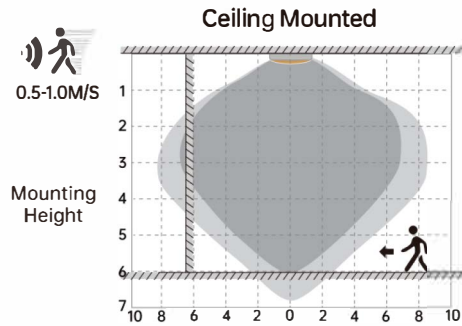
Parameters

Model NO.		HD08VR
MICROWAVE INFORMATION	Frequency	5.8GHz±75MHz
	Microwave Power	<0.3mW
	Installation Height	6m/19.68ft Max.
	Detection Distance	≥3m/9ft
	Detection Angle	30-150° (Without Glass Cover)
SENSOR PARAMETER	Detection Area	25%/50%/75%/100%
	Holdtime	5s/ 30s/ 1min/ 2min/ 3min/ 5min/ 10min/ 15min/ 20min/ 25min/ 30min/ 45min/ 60min/ 90min/ 120min
	Daylight Threshold	Disable/400Lux/350Lux/300Lux/250Lux/200Lux/120Lux/ 80Lux/50Lux/30Lux/10Lux/2Lux
	Standby Dimming Level	10%/20%/30%/50%
	Standby Period	0s/5s/30s/1min/2min/3min/5min/10min/15min/20min/ 25min/30min/45min/60min/+∞
	Dusk/Dawn Sensing/ Photocell	Daylight threshold as 30lux/ 50lux/ 80lux/ 120lux/ 200Lux/ 250Lux/300Lux/ 350Lux/ 400Lux Standby period as +∞ ; Standby dimming level as 10%/20%/30%
	Daylight Harvesting	1. Adjust "daylight" value higher than 50lux 2. Preset "standby period" 0S 3. press MW/PIR button 3 times till MW/PIR icons both blinking on LCD screen, daylight harvesting function enabled. (With BLE version, press DH button, daylight harvesting function enabled.)
BLUETOOTH INFORMATION	Wireless Control Range	>20m/65ft
	APP Download	Supported in both APP Store and Google Play Market
INPUT	Input Range	12VDC
	Voltage Range	10-15VDC
	Current	≥40mA
OUTPUT	Signal	DIM 0-10V
	Connection	TipDIM+, RingVCC, SleeveGND
	Stand-by Power	<0.5W
ENVIRONMENT	Working Temp	-25°C~+60°C
	Storage Temp	-40°C~+80°C Humidity: 85% (non-condensation)
CERTIFICATE & STANDARDS	Environmental Requirements	In accordance with CE ROHS
	IP Rating	IP20
Networked Lighting Controls: HAISEN BLUE		

Model Information

Model Number	Sensor Type	Connector	Controller
HD08VR-M-1	Microwave	Audio Jack	Remote Control HD05R
HD08VR-MB-1 			HAISEN BLUE APP

Detection Coverage



HD08VR

Highest mounting height is 6m

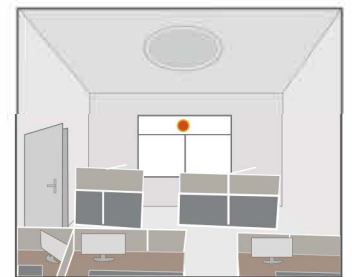
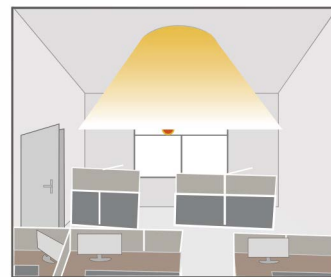
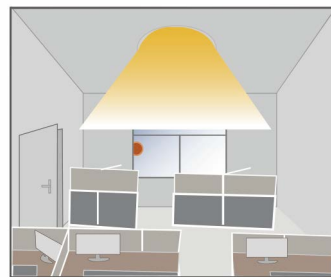
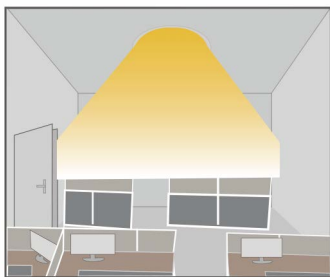
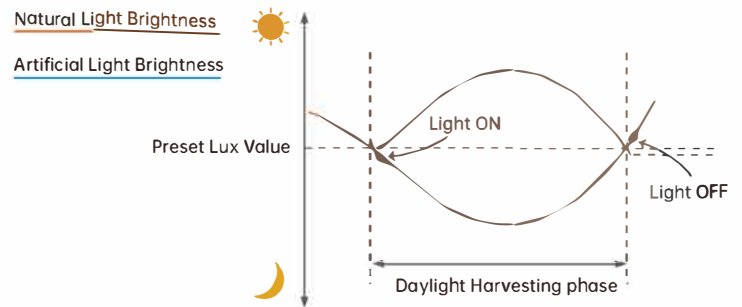
This figure indicates the maximum distance at the highest mounting height with 100% sensitivity.

Well Detected Area Possibly Detected Area

Performance

1. Daylight Harvesting

1. Adjust "daylight" value higher than 50lux
2. Preset "standby period" 0S
3. press MW/PIR button 3 times till MW/PIR icons both blinking on LCD screen, daylight harvesting function enabled.
(With BLE version, press DH button, daylight harvesting function enabled.)



When ambient brightness is lower than preset lux level, sensor will turn on light automatically and keep dimming according to the change of the ambient brightness; when outside is getting darker, the inside will be brighter, and brighter darker.

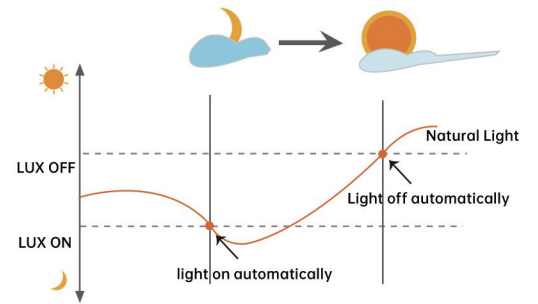
Light OFF when ambient brightness becomes higher than the preset lux level.

2. Dusk/Dawn function

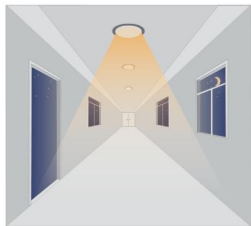
HD08VR is able to differentiate artificial light brightness from natural light after installed inside the fixture, and automatically turn off light when ambient brightness exceeds preset lux level.

Precondition of Dusk/Dawn function:

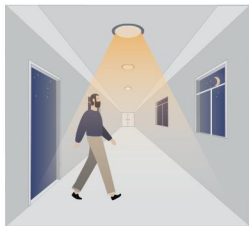
1. Standby period is $+\infty$;
2. Standby dimming level is on 10%, 20% or 30%;
3. Daylight threshold is on 30lux/ 50lux/ 80lux/ 120lux/ 200Lux/ 250Lux/300Lux/ 350Lux/ 400Lux



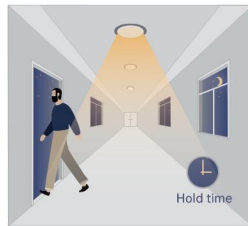
3. With Dusk/Dawn function



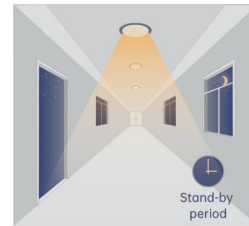
With insufficient ambient brightness, sensor turns on light and keeps it at standby dimming level even if there is no motion or presence.



When sensor detects motion or presence it will bring the light level up to 100%.



After motion is no longer detected, fixture remains at 100% for hold time.

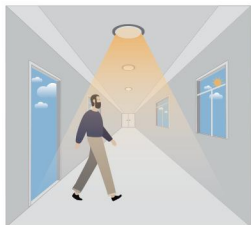


After pre-set hold time it will dim light to standby dimming level again and always keep it.

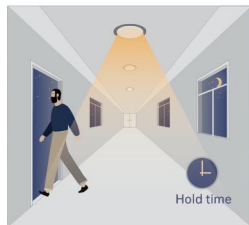


With sufficient ambient brightness, sensor will turn OFF light automatically.

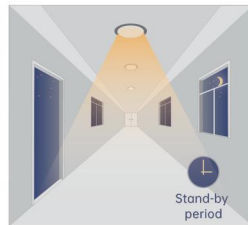
4. Without daylight disabled



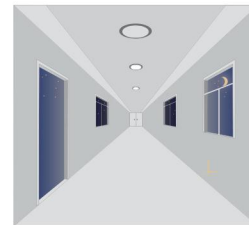
Sensor turns ON light when motion is detected.



Sensor keeps for a hold time period after motion leaves

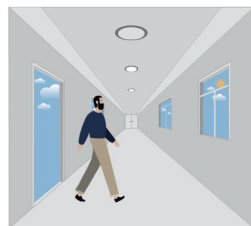


Sensor dims light to standby dimming level after hold time if there is still no motion

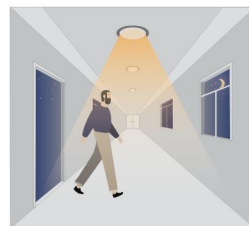


Sensor turns OFF light after standby period

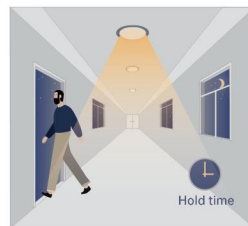
5. With Daylight Threshold



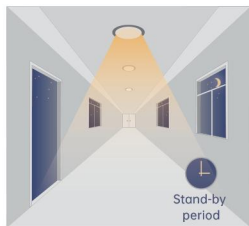
With sufficient daylight, the sensor keeps light OFF even motion gets detected



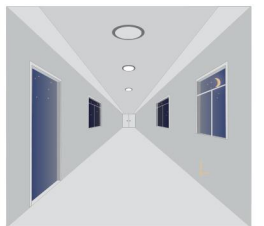
With insufficient daylight, the sensor turns light ON when motion gets detected



After there's no motion detected, the sensor keeps light ON 100% for holdtime.



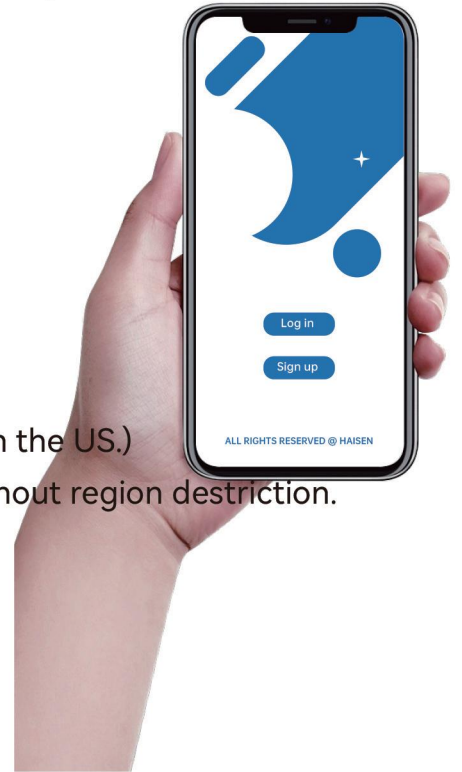
After holdtime, sensor dims light to standby dimming level for standby period. if the standby period has been set as 0s, sensor turns light OFF automatically after holdtime.



The sensor turns OFF light automatically after the standby period when there's no motion detected.

APP DOWNLOAD

Our app HAISEN BLUE has been uploaded onto APP Store & Google Market

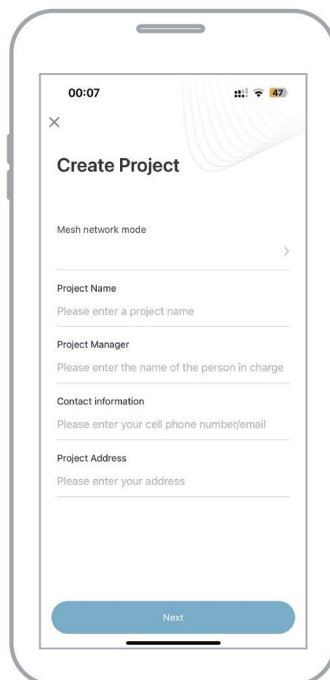
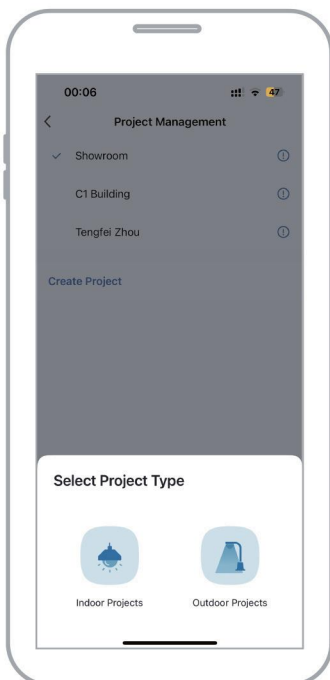


SIGN UP/LOG IN

Please select the region as US (because the server is located in the US.) if you signing up with phone number; or with mail address without region restriction.

Log in if you already have account.

PROJECT MANAGEMENT

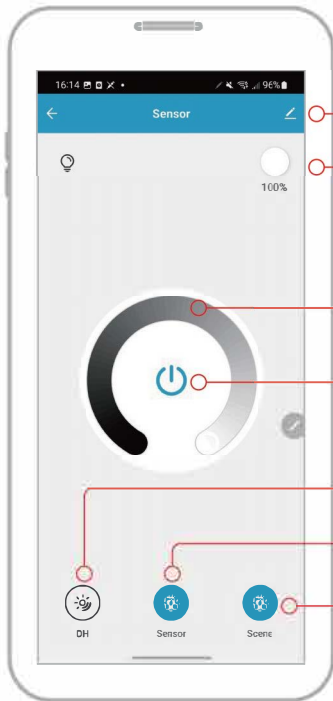


CREATE PROJECT

The app is specially designed for industrial project application, not only to control the SMART SENSORS but also HAISEN's Emergency Driver. It requires you to start a new project first before going on add or control devices.

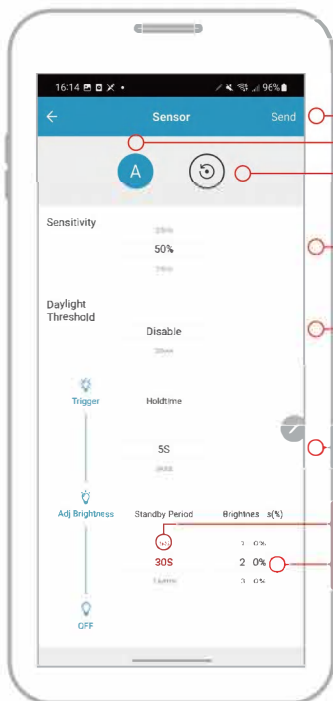
CONTROL

Select the sensor or group to control it.



- Edit area, rename it or delete it.
- Brightness Showing Part
- Brightness Changing
- ON/OFF Button
- Daylight Harvesting Button
- Sensor Setting Button
- Scene Setting Button

CONTROL PAGE -1

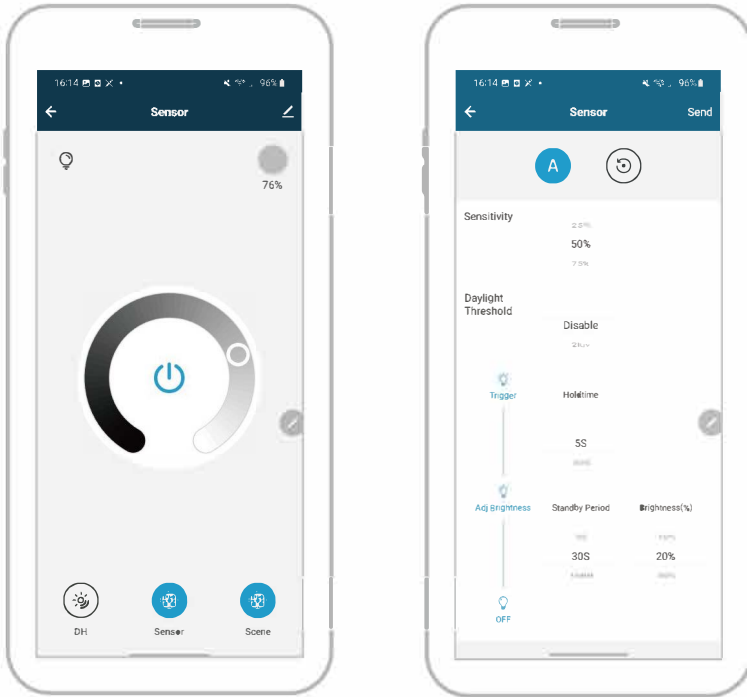


- Send afer programming
- Auto mode
- Reset
- Sensitivity Setting
- Daylight Threshold Setting
- Holdtime Setting
- Standby Period Setting
- Standby Brightness Setting

CONTROL PAGE -2

HIGH-END TRIM

High-end Trimming is a very practical function for customers who prefer to have less than 100% brightness everytime the sensor detects motion, and our steps to approach it is very easy.

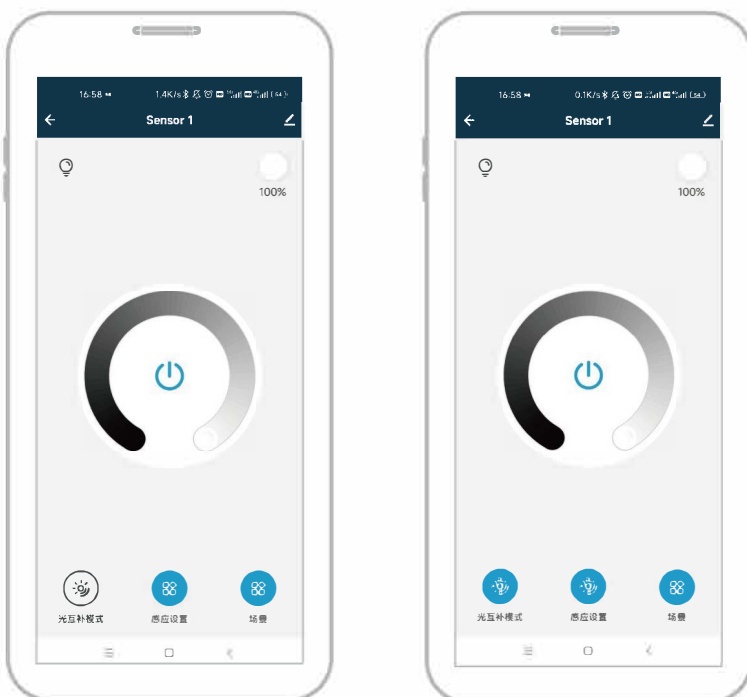


STEPS

- Dim the light to a level, for example 76%, simply by moving the block.
- Press "sensor" at the bottom center and start making a program
- Then press "A" means running automation.
- After setting, the sensor works as dimming to only 76% everytime it detects motion.

DAYLIGHT HARVESTING

Daylight Harvesting function offers the possibility to dim the light brightness along with the change of natural brightness; when outside gets darker, indoor environment should become brighter.

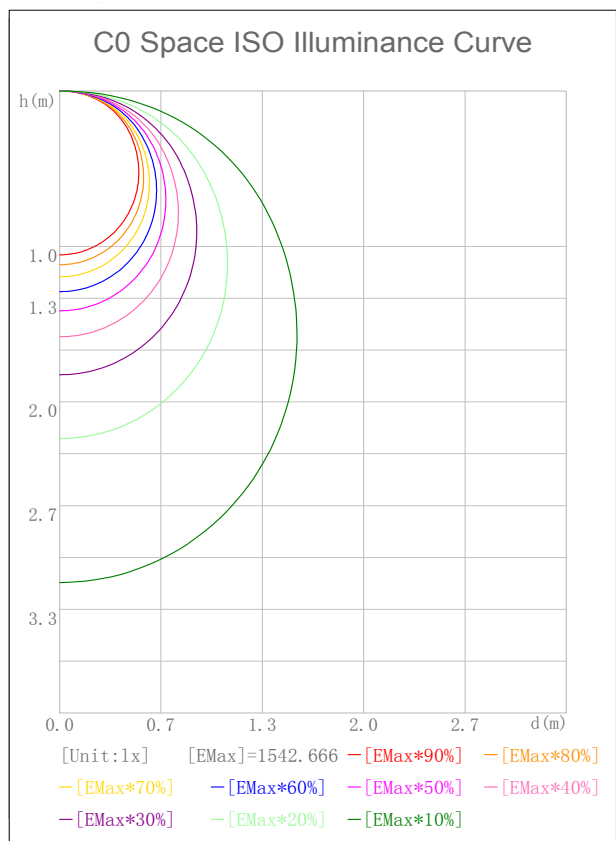
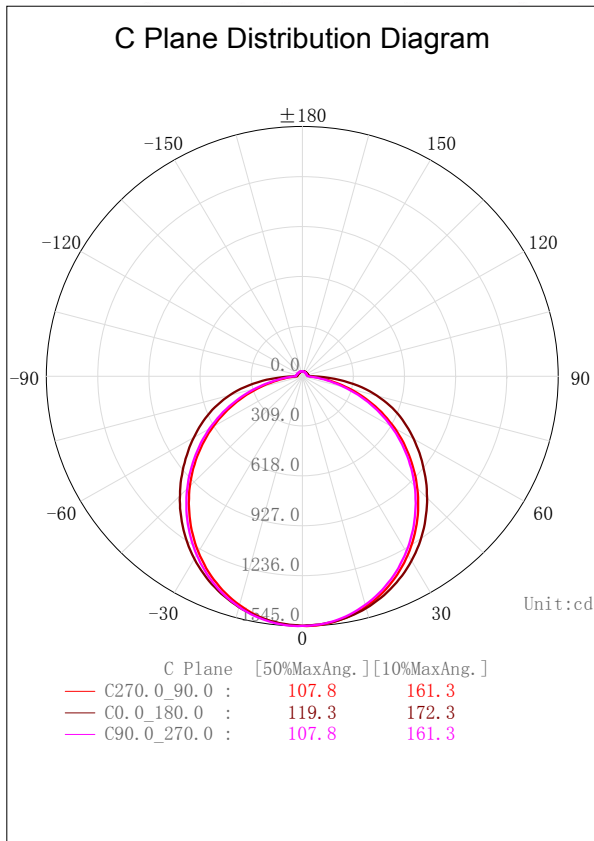


STEPS

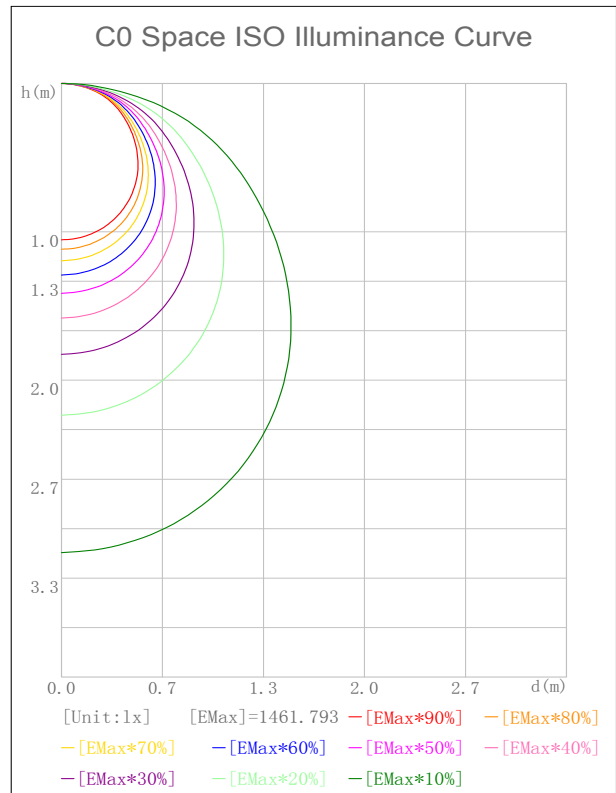
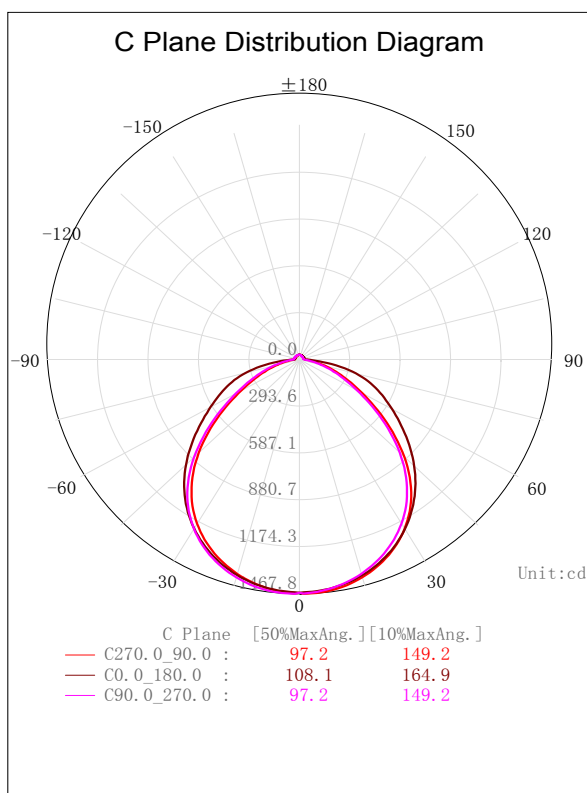
- Press "sensor" at the bottom center and start making a program, daylight must be chosen higher than 50lux, meanwhile the standby period should be 0S.
- Back to the mainpage and press "DH" button

Testing Report

2X4 35W

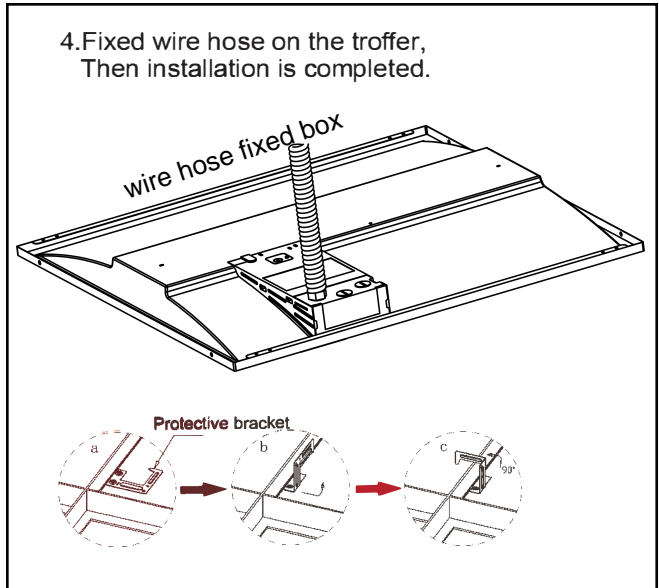
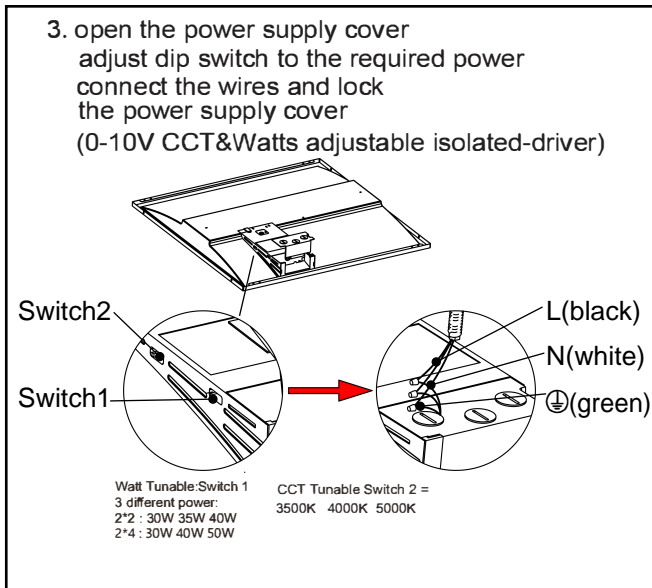
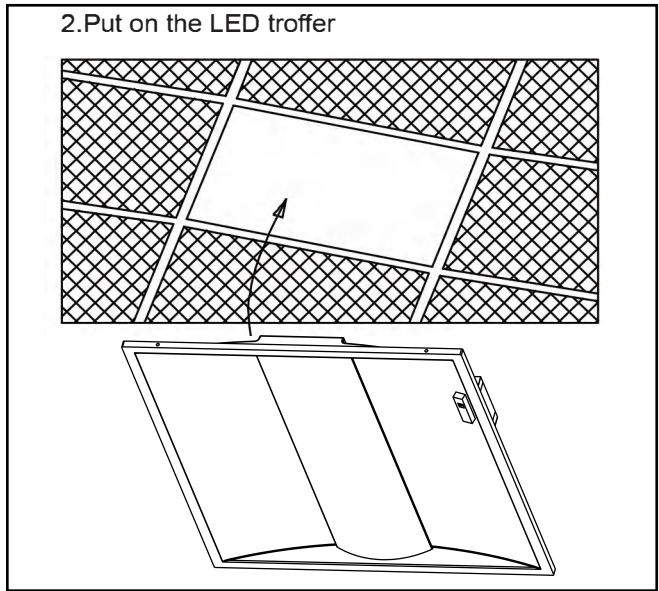
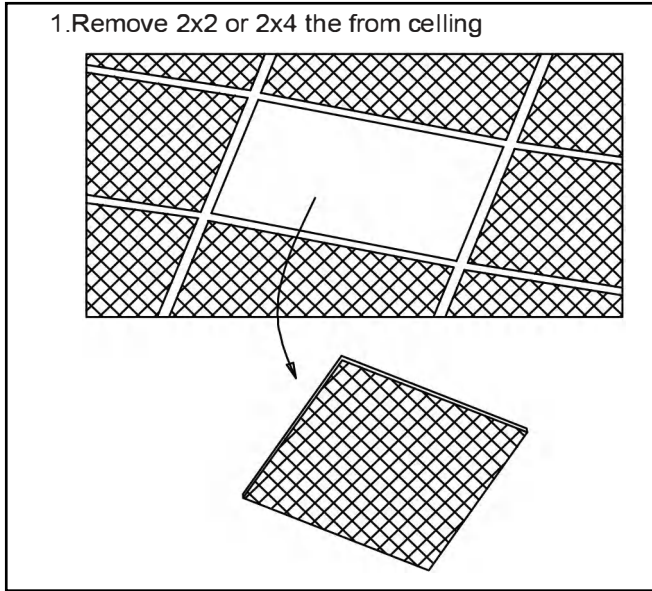


2X2 30W



Installation

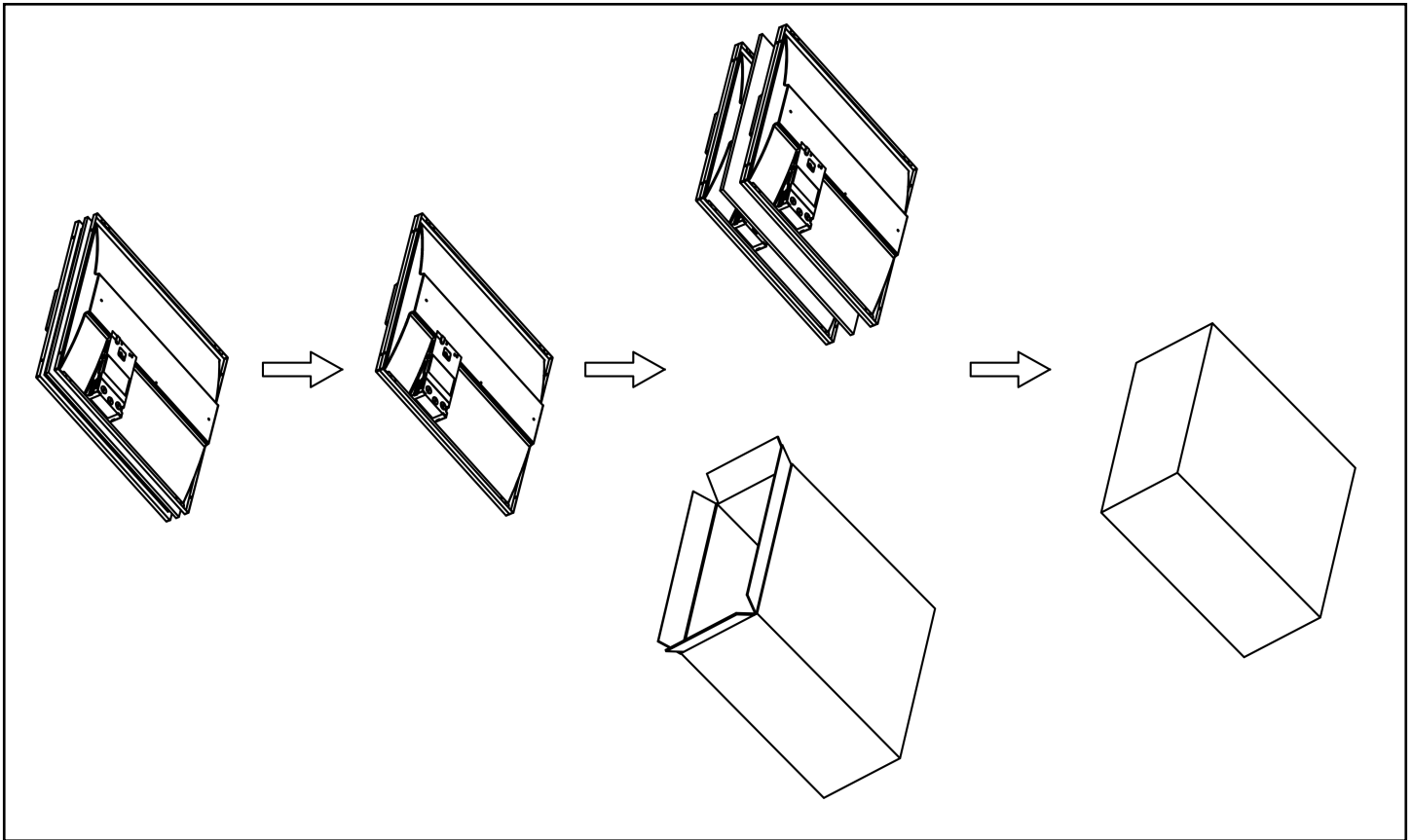
LED Troffer Light installation instruction



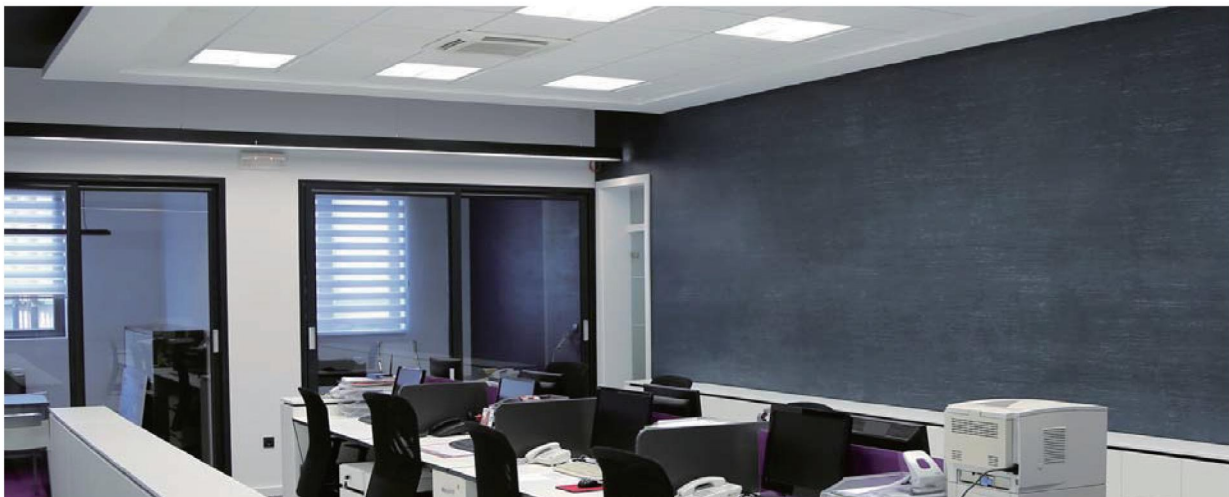
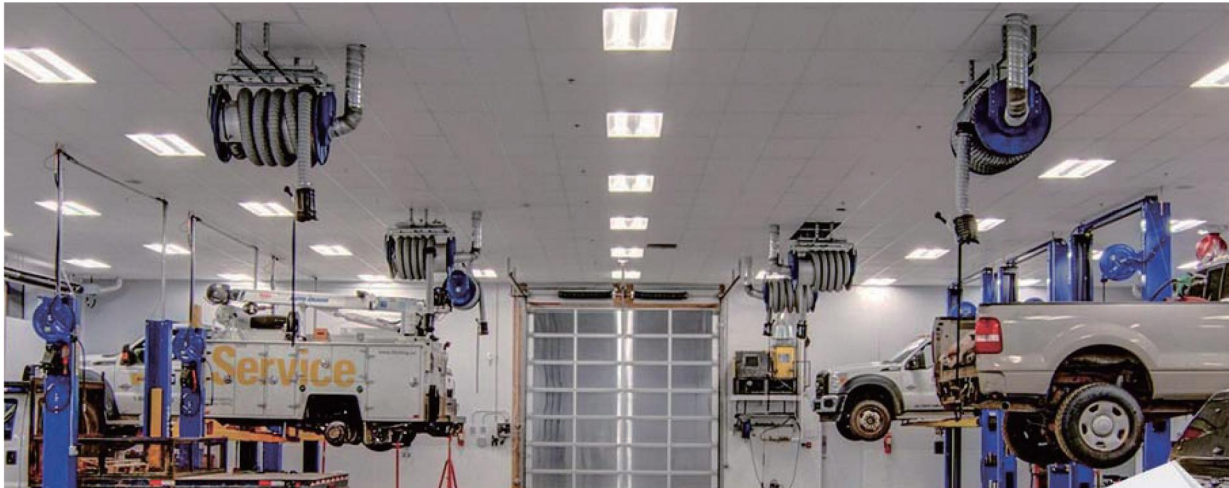
Packing /weight

Part NO.	Outer Carton Size (LxWxH)	Qty/Carton (pcs)	Net weight (kg)(lbs)	Gross weight (kg)(lbs)	20GP (QTY)	40HQ (QTY)
TTR-22-40W-L-HY	(613*220*625mm) (24.13x8.66"x24.6")	4PCS	8.1Kg 17.86lbs	10Kg 22.05lbs	1328	3040
TTR-24-50W-L-HY	(1223*220*625mm) (48.15"x8.66"x24.6")	4PCS	17.5Kg 38.58lbs	20.5Kg 45.19 lbs	644	1544

Packing



Power and CCT Tunable LED Troffer Light



Note

- 1.The installation and maintenance must be completed by electricians or professionals.
- 2.Please cut off the power before installation and maintenance.
- 3.The fixture is not allowed to be covered by thermally insulating material.
4. Please keep away from the corrosive substance,and keep the fixture dry and clean.
5. Working temperature:-4°F~104°F, storage temperature:-22°F~140°F.