



Theorylight

Linear Light TL14 (VF)

Up to 120 lm/W | Anti-glare



ZigBee Mesh
Network Control



Motion Sensor



Zoning & Grouping



Theorylight
Remote Control



Daylight Sensor



On/Off Control

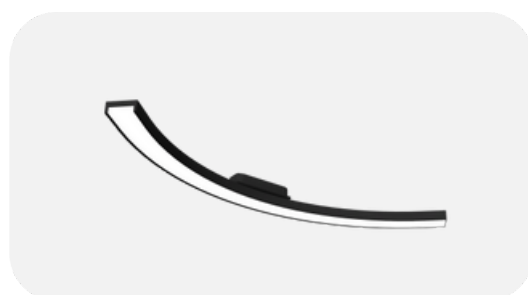


Applications

- Parking Lot
- Aisle
- Shopping malls
- Supermarket

Features

- ZigBee mesh network smart controls.
- Daylight and Motion Sensors .
- Easy Grouping without Gateway via Theorylight Remote Control. Automatic ON/OFF or Dimming.
- Functions with smart sensing (Daylight, Motion) for maximum energy saving.
- The power of the fixture is 12W/15W/20W/30W/36W/40W for a length of 1 meter.
- Color Temperature options with 3000K/4000K/5000K/5700K/6500K.
- Efficiency up to 120Lm/W.
- anti-glare prismatic diffuser.
- 50% less power consumption than traditional light sources.
- Lowest maintain cost.



Smart Modules



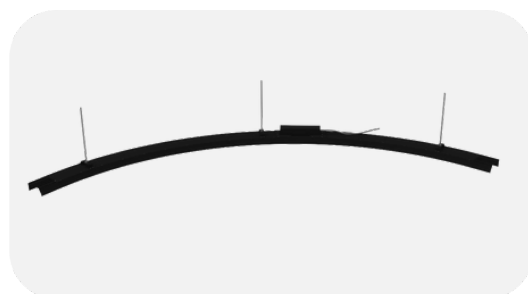
ZigBee Module



Microwave Sensor Module



Infrared Daylight Sensor Module

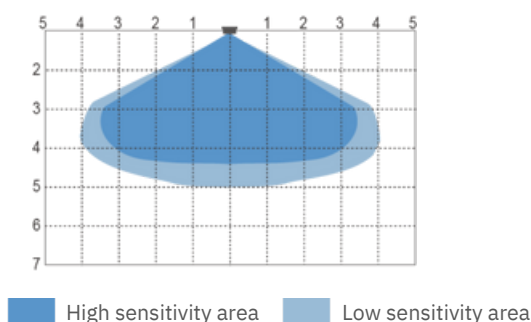


Sensor Parameters(MID)

Sensing Angle	120°
Sensing Distance	3m
Light Sensing Range	0~2,000Lux(Infrared Daylight)
Remote Control Distance	10 m

Sensing Angle (MID)

Unit: mm



Product Data

Light Efficiency	120 lm/W
CCT	3000K/4000K/5000K/5700K/6500K
CRI	80
LED Lifespan	>50000h
Power Supply	BOKE
Brand Power Supply Type	Isolated
Driver Efficiency	91%
Warranty	5 Years Warranty
Certificate	CE, RoHS

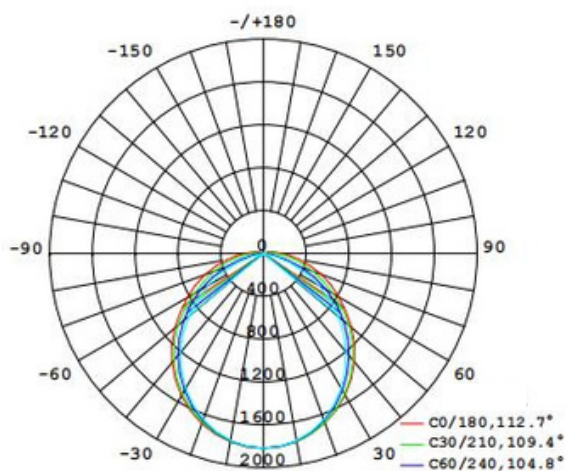
Application Conditions

Operating Temperature	-20°C to +50°C
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Approval and Application

Ingress protection code IP	IP40
Surge protection	2KV

Light Distribution Curve



Average Beam Angle (50%): 120 °

Operating and Electrical

Input Voltage	200-240Vac
Input Frequency	50/60Hz
Inrush current	8.45A
Power Factor	≥ 0.95
THD	<15%

Mechanical and Housing

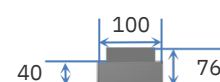
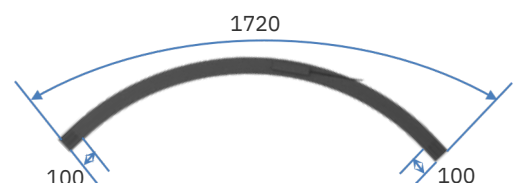
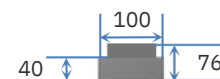
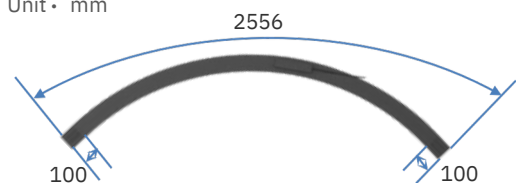
Structure Material	Extruded Aluminum
Finish Material	Powder Coating
Lens Material	PC
Fixture Color	Black
Mounting Option	Suspension / Bracket Installation

Controls and Dimming

Dimmable	Dimmable
Intelligent Control	ZigBee / Dimming / Infrared Daylight Sensor / Microwave Motion Sensor

Drawing

Unit : mm



Product Parameter

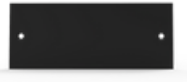
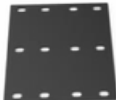
M odel	Power	RA	Input Voltage	Light Efficiency	Luminous Flux (±10%)	Beam Angle	CCT
TL14-LN-VF-L2556-XXX①-XXX②-E120-A120-EU-MID-OTA-3.0	12W 15W 20W 36W 36W 40W	80	200-240 Vac	120 lm/W	1440 lm 1800 lm 2400 lm 3600 lm 4320 lm 4800 lm	120°	3000K 4000K 5000K 5700K 6500K
TL14-LN-VF-L1720-XXX①-XXX②-E120-A120-EU-MID-OTA-3.0							

Package

Model Number	Luminaire Net Weight (kg)	Packing Info	Dimension (outer carton) (mm)
TL14-LN-VF-L2556-XXX①-XXX②-E120-A120-EU-MID-OTA-3.0	4.05	4 pieces / box	2374x637x300
TL14-LN-VF-L1720-XXX①-XXX②-E120-A120-EU-MID-OTA-3.0	2.95	4 pieces / box	1720x358x300

Remark: - XXX① designates different Correlated Color Temperature, 40K = 4000K, 50K= 5000K, 57K=5700K, 65K = 6500K.
 - XXX ② designates different Power , The power of the fixture is 12W/15W/20W/36W/40W for a length of 1 meter.
 - The length of the lighting fixture can be customized.
 - For the US version, the input voltage is 100~277Vac.
 Please contact us to get the other version information!

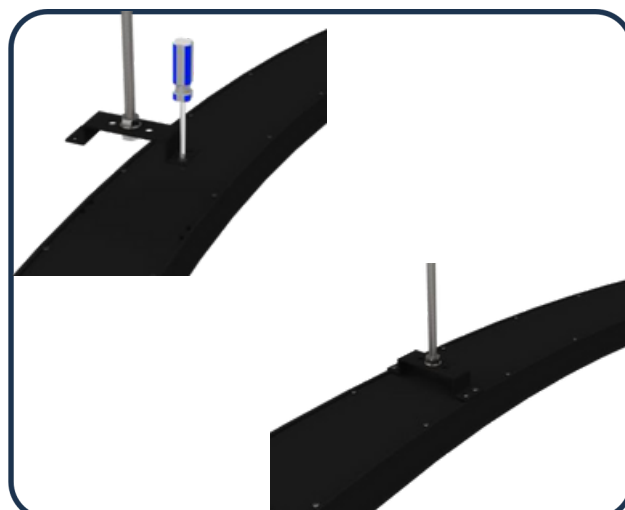
Standard Components

Accessory Name	Specifications	Quantity (Per Set Quantity)	Note	Photo
End Cap	100x40x1.5 mm	1	Use without Splicing End Caps (Optional)	
Universal Straight Splicing Bar	90x10x2 mm	3	Each splicing plate uses 3 splicing bars	
Splicing Plate	99x91x2 mm	1	Connection Points that Require Splicing	
Arc-shaped I-beam Hanger	94.8x25x18 mm	3	Accessories for Hanging Arc-shaped Fixtures	
PWM4x5x8 Screw	4x5x8 mm	12	For Installing Splicing Plates	
PWB3x12x7 Screw	3x12x7 mm	12	For Installing End Caps	
KA3x8 Screw	3x8 mm	2	For Installing Universal I-Beam Hangers	

Installation Below

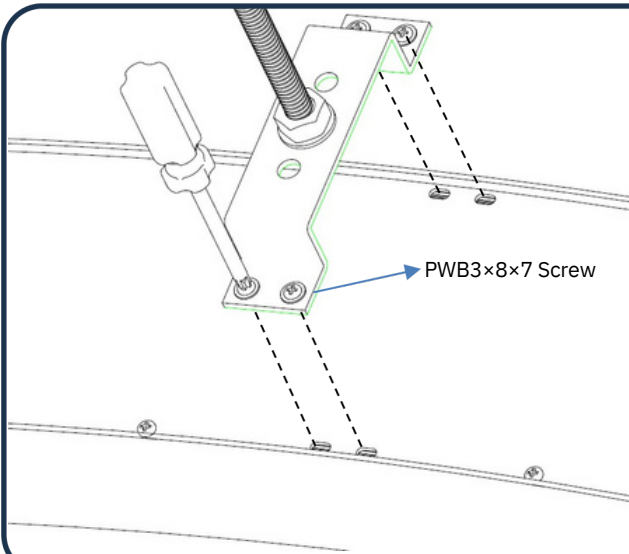


1. Assemble the I-beam hanger with the screws.



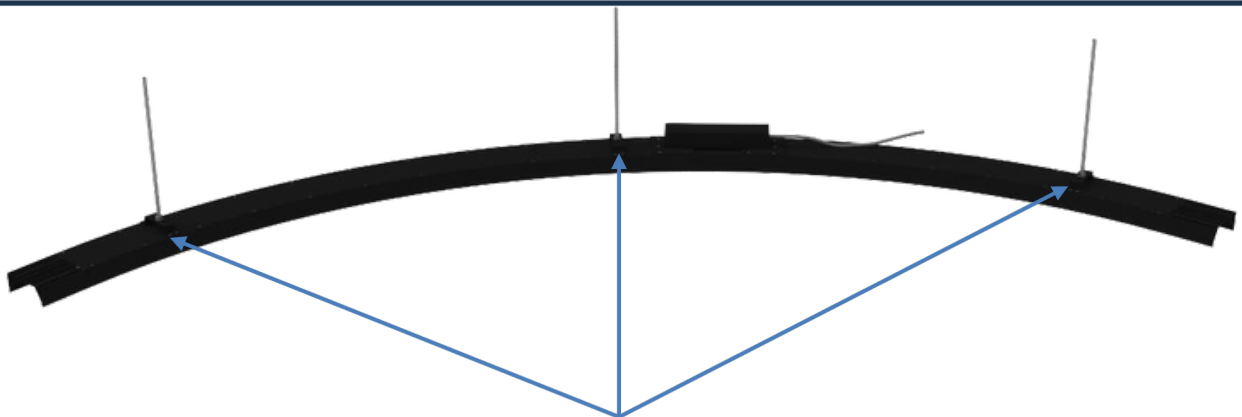
2. Fix the assembled arc using screws (PWB 3*8*7) to the back of the arc-shaped fixture.

Installation Below



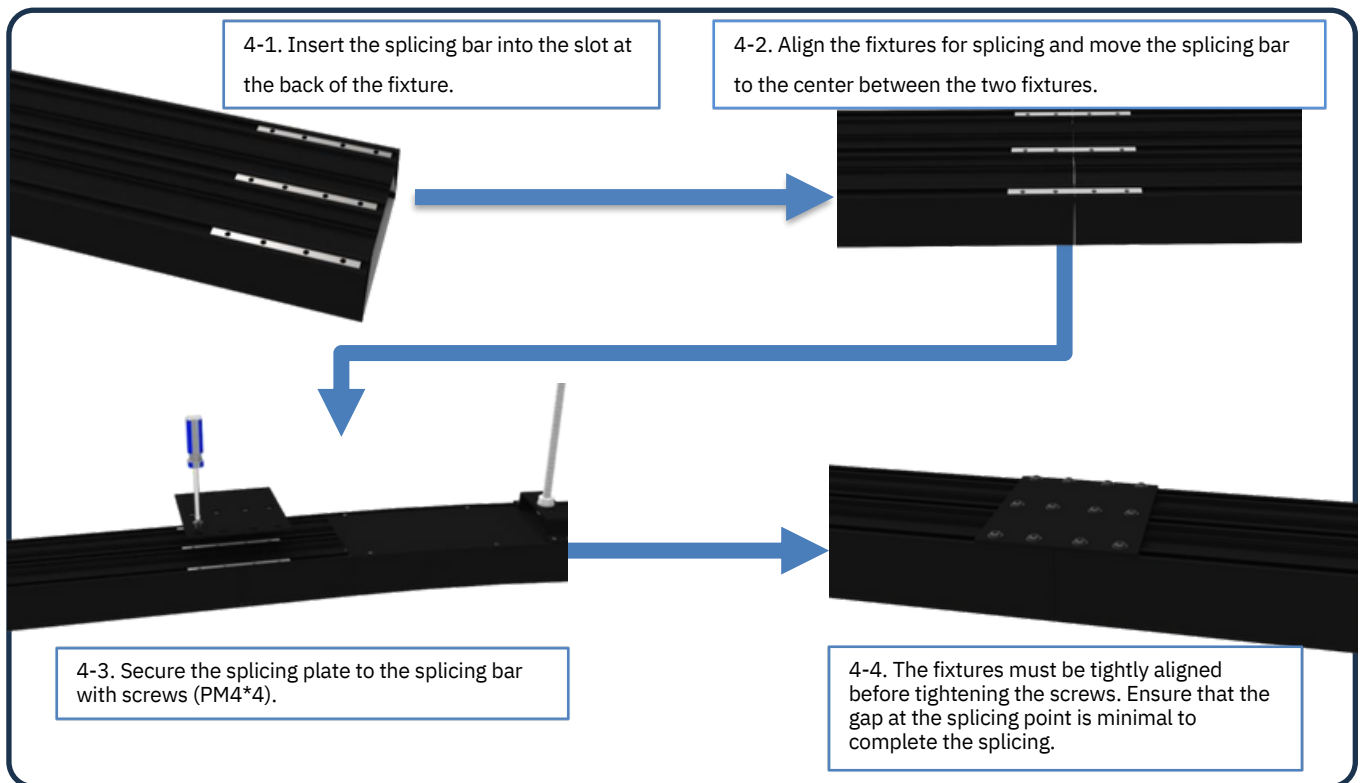
1. The I-beam hangers are installed in the waist-shaped holes at the back of the fixture, with three sets of hangers for each fixture. They cannot be moved after installation.

2. The waist-shaped holes are located in the middle and at both ends on the back of the fixture, with four holes per set.



3. One set of hangers in the middle, and one set of hangers at each end.

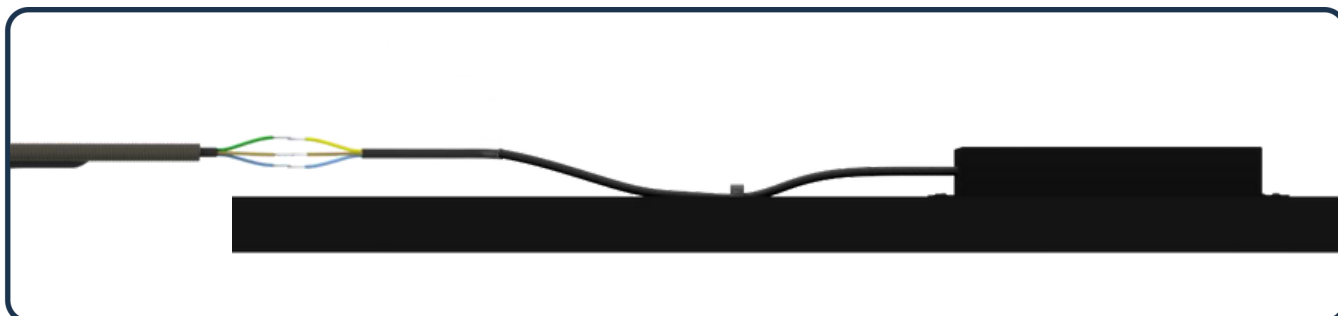
Installation Below



4. Use the splicing plate and splicing bar to connect the TXD-01 fixture with fixtures below TXD03-0.80.

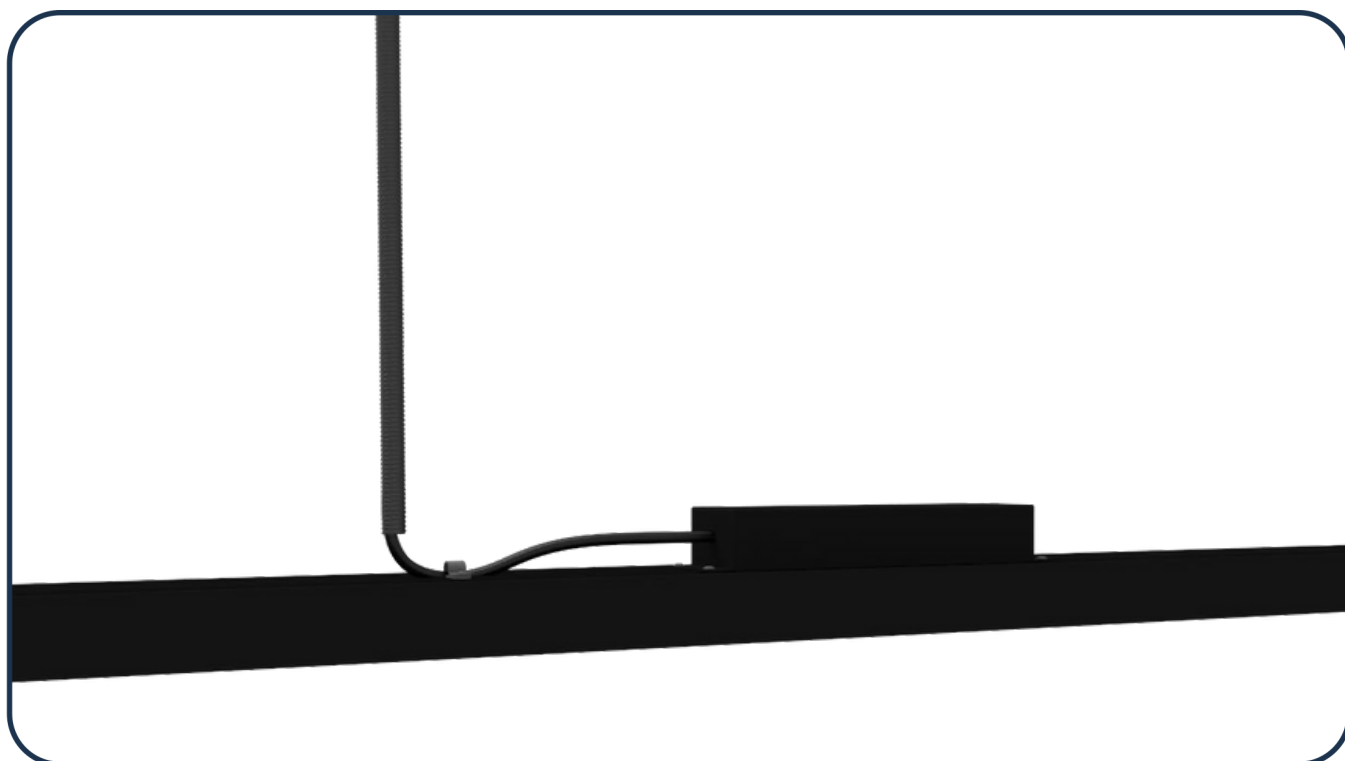


Wiring



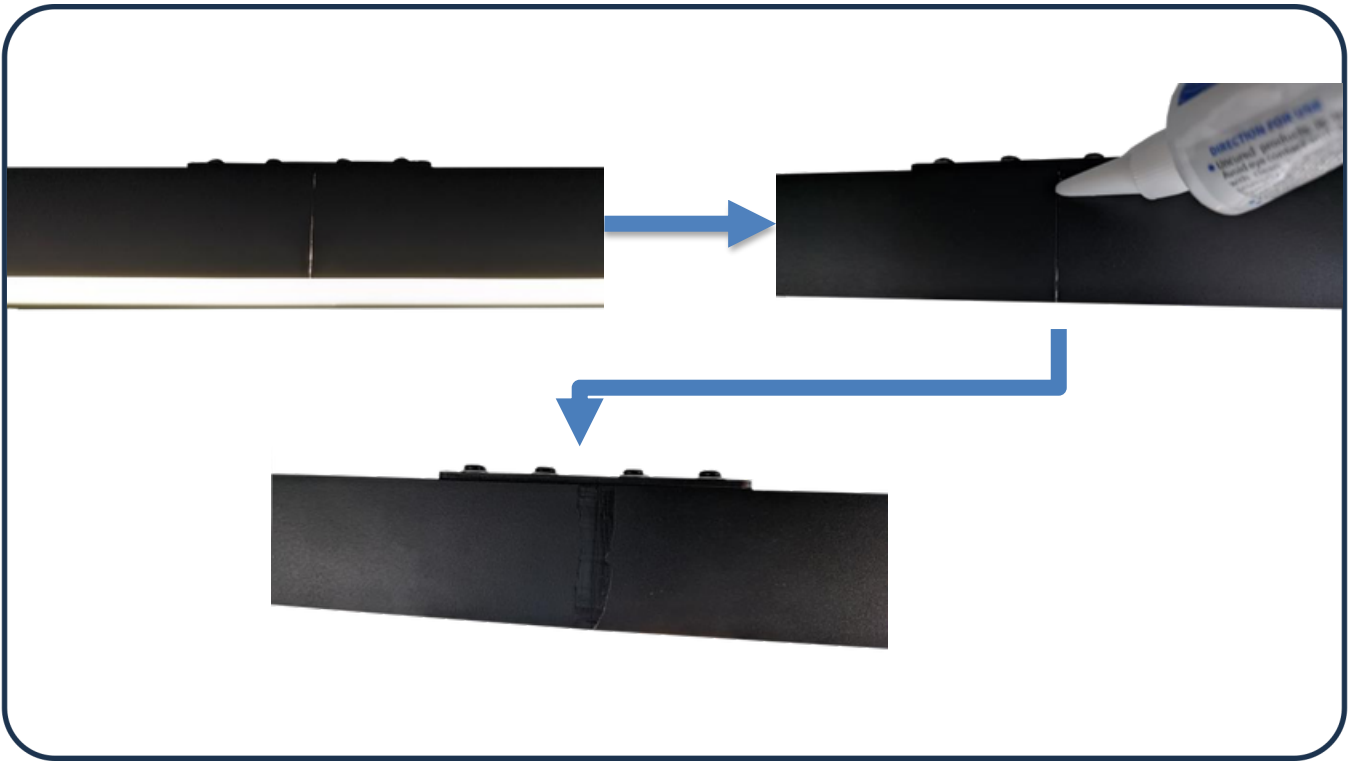
1. Connect the lamp input line to the lighting circuit

Note: Wiring must be performed by professionals.
Specific implementation methods refer to local safety standards.



2. Complete the installation

Splicing Gap Filling



1. Turn on the lamp and observe the joint between the two lamps. If there is light leakage, fill the gap with black filling glue.

Typical Working Scenarios



The “Theorylight” smart lamps of HOMA are embedded with motion sensor and daylight sensor, using a “Theorylight” remote control, users can set grouping and parameters very fast and convenient. By adopting the standard ZigBee technology, “Theorylight” has the inborn advantages like long transmission distance, multiple channels and mesh network.



Users can set the sensor parameters of one group or individual lamp with one button, and change lamp brightness. In one group, the motion sensors work together to control these grouped lamps, and the daylight sensors control the individual lamps on/off according to the ambient brightness.

The Theorylight serial include panel, linear light, tri-proof light, highbay, LED tube. This kind of smart lamps can be used for industrial and commercial area, example offices, warehouses, factories, parking and others.