I Series Tri-proof Light

TPI-018/036/050-AH-30K/40K/60K-DYYY

Available colors

W   NW   WW

VAC 220-240	100 lm/w	150 lm/w	CRI ≥80	120°	DALI Dimmers			

PF ≥0.9 | Ik08 | IP65 | -20~40℃ | CE | RoHS | | | Warranty 5 years

Description

◉ This product adopts high-efficiency LED light source, arc frosted lampshade, soft light, large angle of light; simple appearance, waterproof and dustproof grade up to IP65; the main material used is imported material PC, which can ensure the safe, reliable and stable operation of the product in various environments.

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Features

◉ The lampshade and the lamp board are integrated,open the lamp body can be wiring,it is easy to instal

◉ Tridonic power supply

◉ Color temperature and power tunable

◉ The appearance is simple, round and beautiful

◉ Arc-shaped light-emitting cover, uniform light emission, large angle

◉ There are plug-in terminals on the power, the mains can be directly connected to the power supply

◉ The without dimming, DALI dimming, microwave sensor, emergency functions (except 0.6) is optional

◉ 100LM/W,150LM/W Optional, Higher light efficiency can be customized
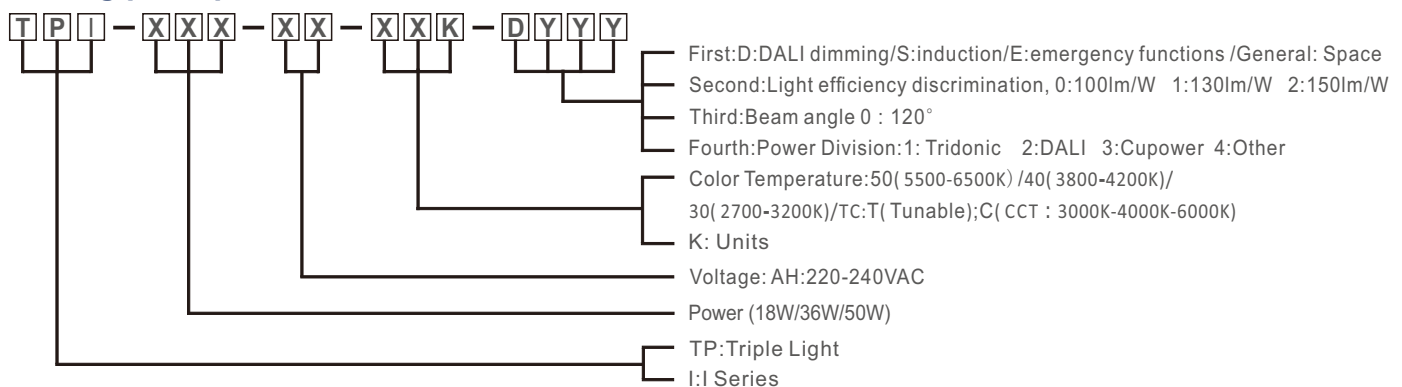
◉ IK grade：IK08

◉ Anti-corrosion grade: W

Technical Parameters

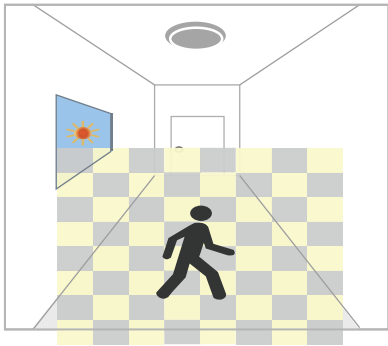| Model	CCT	Lumen (±10%)	LEDs type CRI	Power(W) (±10%)	Voltage Frequency(V)	PF
TPI-018-AH-60K-D0YY	5500-6500K	1850	SMD2835 Ra≥80	18	AH:220-240VAC 50/60Hz 0.12A	≥0.9
TPI-018-AH-40K-D0YY	3800-4200K	1870				
TPI-018-AH-30K-D0YY	2700-3200K	1670				
TPI-036-AH-60K-D0YY	5500-6500K	3870	SMD2835 Ra≥80	36	AH:220-240VAC 50/60Hz 0.25A	≥0.9
TPI-036-AH-40K-D0YY	3800-4200K	4000				
TPI-036-AH-30K-D0YY	2700-3200K	3490				
TPI-050-AH-60K-D0YY	5500-6500K	5300	SMD2835 Ra≥80	50	AH:220-240VAC 50/60Hz 0.3A	≥0.9
TPI-050-AH-40K-D0YY	3800-4200K	5550				
TPI-050-AH-30K-D0YY	2700-3200K	5070				
TPI-018-AH-60K-D1YY	5500-6500K	2440	SMD2835 Ra≥80	18	AH:220-240VAC 50/60Hz 0.12A	≥0.9
TPI-018-AH-40K-D1YY	3800-4200K	2500				
TPI-018-AH-30K-D1YY	2700-3200K	2360				
TPI-036-AH-60K-D1YY	5500-6500K	4780	SMD2835 Ra≥80	36	AH:220-240VAC 50/60Hz 0.25A	≥0.9
TPI-036-AH-40K-D1YY	3800-4200K	4820				
TPI-036-AH-30K-D1YY	2700-3200K	4600				
TPI-050-AH-60K-D1YY	5500-6500K	6320	SMD2835 Ra≥80	50	AH:220-240VAC 50/60Hz 0.3A	≥0.9
TPI-050-AH-40K-D1YY	3800-4200K	6560				
TPI-050-AH-30K-D1YY	2700-3200K	6180				

Remark:

1.Suitable for humid environment Indoor mild anti-corrosion design Can not be used outdoors ;

2.The above are conventional light effect and high light efficiency data ;

3.Working environment temperature of products with emergency function: 0℃-40℃ ;

## Coding principle

T P I — X X X — X X — X X K — D Y Y Y

First:D:DALI dimming/S:induction/E:emergency functions /General: Space

Second:Light efficiency discrimination, 0:100lm/W 1:130lm/W 2:150lm/W

Third:Beam angle 0：120°

Fourth:Power Division:1: Tridonic 2:DALI 3:Cupower 4:Other

Color Temperature:50(5500-6500K）/40(3800-4200K)/

30(2700-3200K)/TC:T(Tunable);C(CCT：3000K-4000K-6000K)

K: Units

Voltage: AH:220-240VAC

Power (18W/36W/50W)

TP:Triple Light

I:I Series

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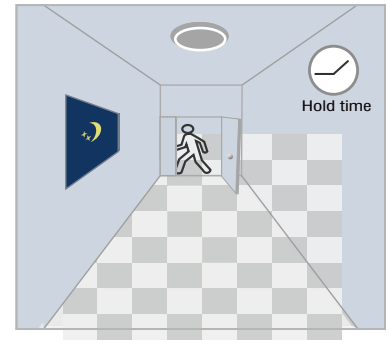We bring innovation and give inspiration

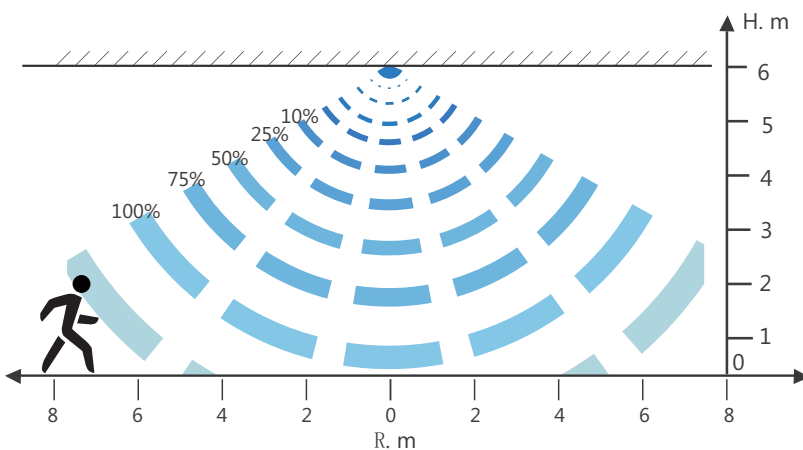# Sensing series introduction

With sufficient daylight, even when motion detected, light remains OFF.
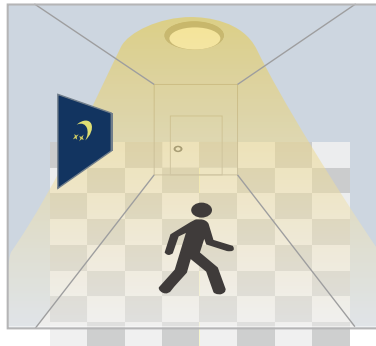
With insufficient daylight, when motion detected, light ON.

After the last detection and the present hold time elapsed, light OFF.

Standby power	<0.5W
Microwave frequency	5.8GHz 75MHz
Microwave power	<1mW
Mounting height	Max.6m
Detection range	Max.14m

Remote controller introduction

All control parameters are set via a remote controller.the remote controller need to be bought separately.
Model of remote controller:HD02R.

To set the lamp keeps permanently on or off, press "reset" to quit from this mode.

The detection Range will also reduce to sensitivity.

The sensor can be set to only allow the lamp to illuminate below a de ned ambient brightness threshold.
*When set to Disable mode, the lamp switch on when motion is detected regardless of ambientlight levels.

Refers to the time period the lamp remains at 100% illumination after no motion detected.

ON/OFF   Reset

Detection range

50%   100%

2Lux   10Lux

Daylight sensor

50Lux   Disable

5s   1min

Hold time

5min   10min
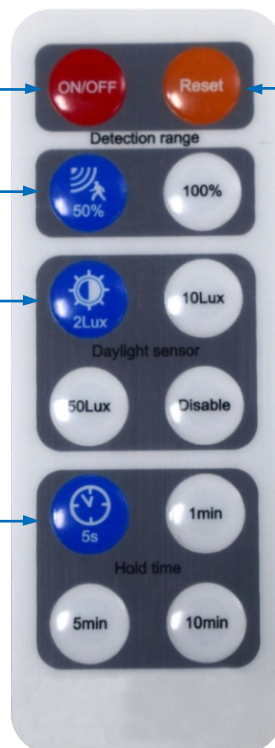
All the setting will be just initial:
Detection range: 100%
Daylight sensor: Disable
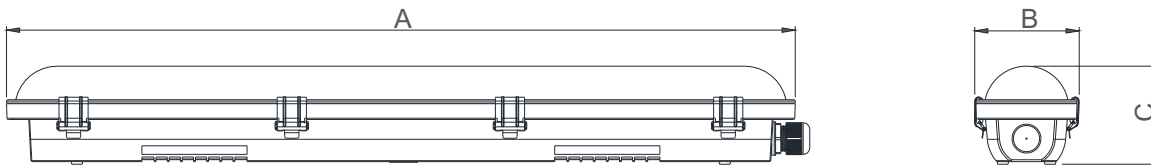Hold time: 5S

5m
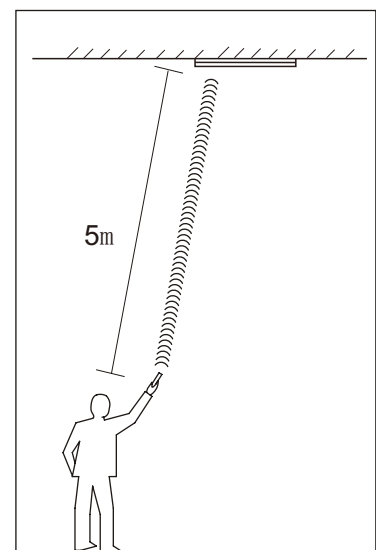
Application

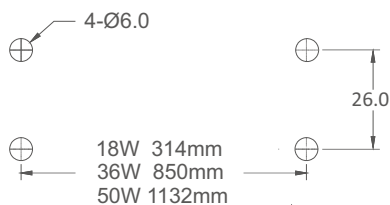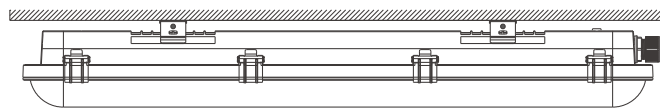◉ It can be widely used in warehouses, workshops, subway stations, shopping malls, flyovers, classrooms, etc.

Dimensions(Unit: mm/inch)
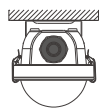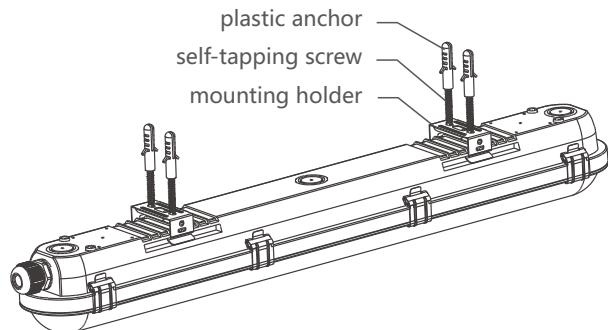
Identification	18W	36W	50W
A	600mm,23.62"	1200mm,47.25"	1500mm,59.05"
B	79.5mm,3.13"	79.5mm,3.13"	79.5mm,3.13"
C	74.5mm,2.93"	74.5mm,2.93"	74.5mm,2.93"

Installation Drawing

Ceiling Installation

4-Ø6.0

26.0

18W 314mm
36W 850mm
50W 1132mm

cutout size for ceiling installation

plastic anchor
self-tapping screw
mounting holder

Note: conventional products are not equipped with plastic anchor and self-tapping screw.

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Suspendent Installation

2-Ø6.0

18W	314mm
36W	850mm
50W	1132mm
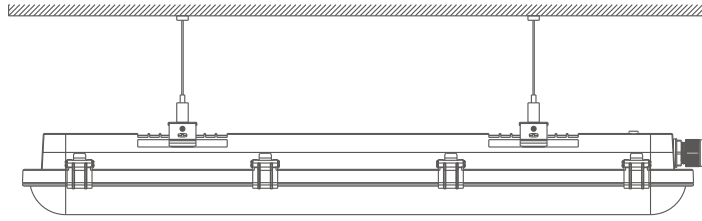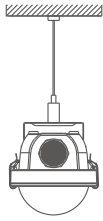
cutout size for suspendent installation

plastic anchor
self-tapping screw
lifting rope
mounting holder
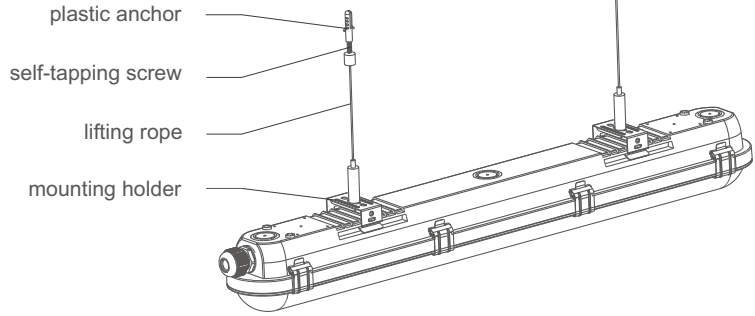
Connection diagram:

conventional

AC220-240V

L
⏚
N

driver controller

induction

AC220-240V

⏚ N L

L
⏚
N
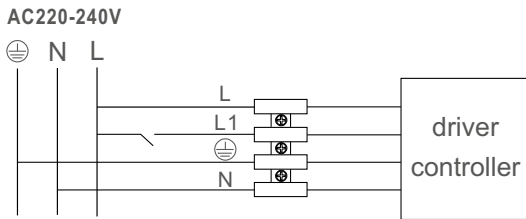
sensor

driver controller

emergency
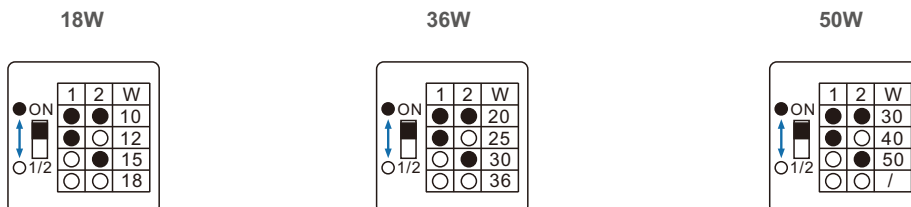
AC220-240V

⏚ N L

L
L1
⏚
N

driver controller
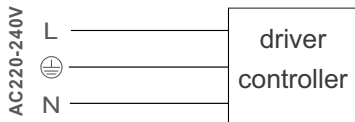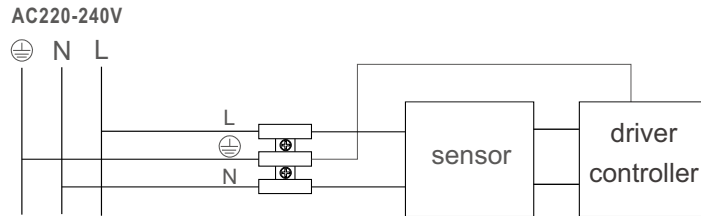
L: input end of emergency power wire L
L: input end of lighting power wire
Remark: 1.According to requirement,connect different L power terminal to realize lighting or emergency function.
2.Emergency power 8W, can work continuously for 3 hours
(0.6M does not have emergency function)

DALI

AC220-240V

L
N
⏚
DA2
DA1

driver controller
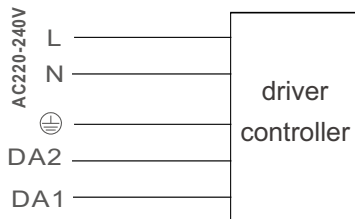
Remark:
1.DALI signal is connected to DA1 and DA2 ports;
2.DALI protocol includes 16 groups of 64-bit addresses;
3.DALI minimum dimming depth is 3%*Iout;
4.Please tighten the crimping cover with screws after wiring.

Tunable power

18W

1	2	W
●	●	10
●	○	12
○	●	15
○	○	18

● ON
↕ 1/2

36W

1	2	W
●	●	20
●	○	25
○	●	30
○	○	36

● ON
↕ 1/2

50W

1	2	W
●	●	30
●	○	40
○	●	50
○	○	/

● ON
↕ 1/2

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Packaging Information

Dimension	Inner Packing Size	Outer Packing Size	Net Weight	Gross Weight	Qty
0.6M	18W: 670*85*85mm	18W: 690*370*290mm	0.96Kg	12.2Kg	12pcs/box
1.2M	36W: 1270*85*85mm	36W: 1300*270*200mm	1.7Kg	11.1Kg	6pcs/box
1.5M	50W: 1570*85*85mm	50W: 1600*270*200mm	2.0Kg	13.1Kg	6pcs/box

Installation Requirement

◉ Please read the instructions carefully before installation
◉ Power off before installation;
◉ Open the lampshade and bottom shell;
◉ When connecting the emergency function lamp and the induction function lamp , pass the input cable through the waterproof connector on the bottom shell, and then insert it into the quick wiring terminal to ensure reliable contact, and tighten the crimping plate on the bottom shell;
◉ When wiring the conventional function and DALI dimming function, reserve enough cables, pass the cable through the waterproof connector on the bottom shell, and then connect it to the power AC terminal on the lampshade and ensure reliable contact, and tighten the crimoing plate on the bottom shell;
◉ Reassemble the lamp again;
◉ Choose ceiling installation, fix ceiling bracket on the installation surface via self-tapping screws and flat gasket,then snap the lamp body into bracket;
◉ If you choose suspension installation, please first fix the steel wire on the installation surface, and fix the wirelock on bracket with nut, then snap the lamp body into bracket, finally adjust the length of steel wire.
◉ CCT tunable lamps: through DIP switch to realize the adjustment between 3 kinds of CCT
◉ Default warm white before leaving the factory.

⚠ Notice

◉ Please first read the product specification carefully, make sure the using environment conform to specification, then it can be used;
◉ Please confirm input voltage,frequency before use;
◉ The lamp must be installed by professionals;
◉ If there is any damage to the power wire or shell of the product, it should be taken as defective product and do not use it;
◉ Dangerous high voltage,non-professionals are not allowed to maintain the product;
◉ If external soft cable or soft wire of the light is damaged, it should be replaced by manufacturer or service agent or personnel with similar qualification to avoid danger;
◉ When connect wire of AC, the terminal shouldn't press to external skin, ensure good contact;
◉ Please do not let water enter the internal, please do not knock against the LEDs' surface;
◉ Corrosivity in the using environment can't exceed the anti-corrosion grade regulation, if you have special requirecment, please first consult with our company.
◉ Working environment temperature of products with emergency function: 0℃-40℃ ;
◉ Side Installation on wall surface is not allowed.
◉ Outdoor site application is prohibited.

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