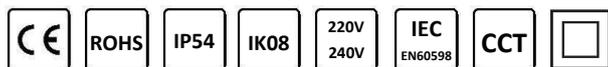


Pluto Sensor Photocell Advance CCT - Hvid



Product information

PLUTO er vores nye alsidige designlampe til montering på enten vægge eller lofter. PLUTO leveres med både direkte og indirekte lys, der ikke kun sikrer et stilfuldt design, men også minimerer blænding og skaber en behagelig atmosfære. Med sin alsidighed er denne lampe ideel til mange former for rum, lige fra kontorer til vådrum, gangarealer og trappeopgange. PLUTO har CCT switch med 3000K eller 4000K. Der er mulighed for kabeltilgang fra bagsiden og/eller fra siden af lampen. Sensorfunktionen i lampen justeres med dip-switch og giver mulighed for tryghedsbelysning på 10 eller 30% i en periode eller altid når der ikke registreres bevægelse. Lampens sensor kan styre flere eksterne lamper - eksempelvis et spejllarmatur på et toilet.

Product data

| General Informadon | |
|------------------------------------|---|
| Light source type | LED |
| Number of LED module | 5 Pcs |
| Beam angle of LED module | 88° |
| Color temperature | 3000K, 4000K |
| CRI | 80 |
| LED module replaceable | Yes |
| Number of LED driver | 1 Unit |
| Driver included | Yes |
| Driver replaceable | Yes |
| L90 life time of LED module | 53,000 hrs |
| L80 life time of LED module | 111,000 hrs |
| LED module lumen | 3000K: 2976lm 4000K: 3072lm |
| Operaring and Electrical | |
| Input Voltage | 220-240 Vac |
| Input frequency | 50 to 60 Hz |
| System wattage | 20W/21W/22W/24W/25W/ 26W/28W/29W/32W |
| Inrush current | 11.7A |
| Inrush time | 120 µs |
| Power factor | ≥0.6~0.97 |
| Surge protection | 2KV (L/N-Ground) |
| Ambient temperature range | -20°C to + 40°C |
| Performance ambient temperature Tq | +25 °C |
| SDCM | 3 |

| Diffuser type | Mikroprismatisk |
|---|------------------|
| Control and dimming | Photocell sensor |
| Connection type | 3 pole connector |
| Protection class IEC | Safety class II |
| Glow-wire test | 650°C |
| UGR | 19 |
| PstLM | ≤1 |
| SVM | ≤0.4 |
| CE Mark | Yes |
| EU RoHS compliant | Yes |
| Net weight (piece) | 1.72 Kg |
| Dimension | |
| Overall length | 400 mm |
| Overall width | 400 mm |
| Overall height | 60 mm |
| Mechanical and Housing | |
| Housing material | PP + Fiberglass |
| Diffuser material | PC |
| Housing color | Hvid |
| Ingress protection code | IP54 |
| Meeh, impact protection code | IK08 |
| Remarks | |
| LED driver failure rate at 50,000hrs@25°C | 5% |
| Power consumption tolerance | ±10% |

Specifications

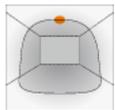
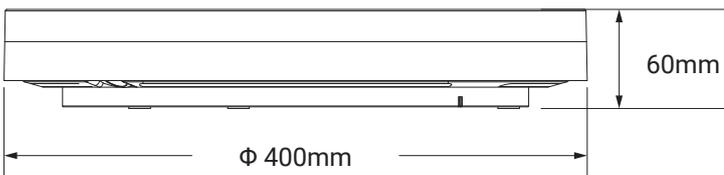
| Varenummer | LED Module Wattage* | Length mm | Width mm | Height mm | CCT (Kelvin)* | Rated Flux (Lm) * | CRI (Ra)* | Beam angle* | Energy Class | Dimming technology |
|---------------|---------------------|-----------|----------|-----------|---------------|-------------------|-----------|-------------|--------------|--------------------|
| 5740320740105 | 32 | 400 | 400 | 60 | 3000K | 2976 | 80 | 88° | D | NO |
| 5740320740105 | 32 | 400 | 400 | 60 | 4000K | 3072 | 80 | 88° | D | NO |

* Due to the special conditons of the manufacturing processes of LED, the typical data of technical parameters can only reflect statistical figures and do not necessarily correspond to the actual parameters of each single product which could differ from the typical value. A max 10% tolerance is deemed to be acceptable in any case.

Circuit Breaker

| Circuit breaker model No. | B10 | B13 | B16 | B20 | C10 | C13 | C16 | C20 |
|-------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|
| Product name | | | | | | | | |
| Pluto Master/Slave CCT - Hvid | 41 | 54 | 66 | 82 | 41 | 54 | 66 | 82 |

Dimension drawings



Sensitivity

Detection area can be adjusted by selecting the combination on the DIP switches to suit each application.
Sensitivity Option: 100% / 75% / 50% / 25% / 10%



Daylight Threshold

The daylight threshold can be set on DIP switches to suit each application.
Daylight Sensor Options: 2Lux / 10Lux / 50Lux / Disable



Hold-time

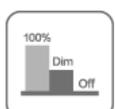
Hold-time is the period the lamp stays on 100% after the person has left the detection area.
Hold-time Options: 5s / 30s / 1min / 5min / 10min / 20min / 30min



Stand-by Period (Corridor Function)

This is the time period required at the low light level before it is switched off after the absence of people.
Stand-by period options: 0s / 10s / 1min / 5min / 10min / 30min / 1h / +∞

* Set stand-by time at infinity for bi-level control.

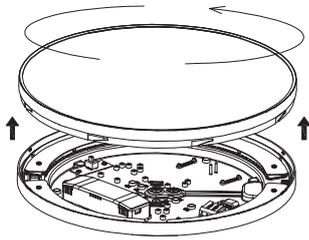


Stand-by Dimming Level

This is the dimmed low light output level you would like to have after the hold-time in the absence of people.
Stand-by dimming level options: 10% / 20% / 30% / 50%

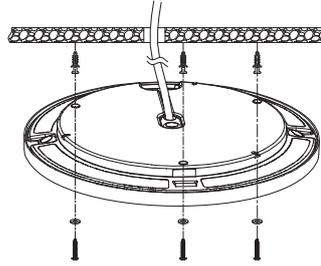
Installation manual

①



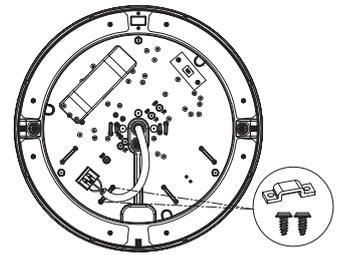
Twist the diffuser anticlockwise.
Vertically remove the diffuser and PCBA.

②



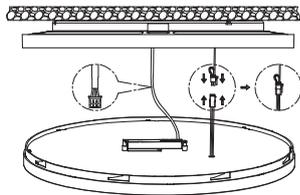
a. Cut off the power. Thread the input cable through the rubber plug to the fixture. Connect the N, Earth and L wire referring to the wiring diagram.
b. Knock the rawl plugs into the pre-drilled holes on ceiling /wall. Wear plastic washers on self-tapping screws and tighten them to fix the fixture on ceiling/wall.

③



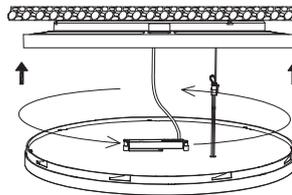
Install the cable clip.

④



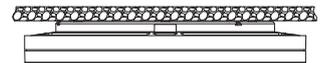
Connect the DC cable of PCBA and sensor.

⑤



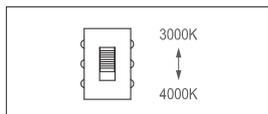
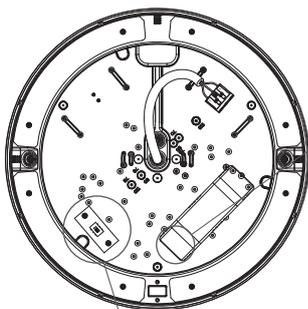
Mount the diffuser onto the base by twisting clockwise.

⑥



Installation finished.

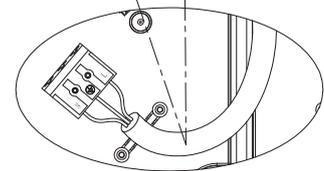
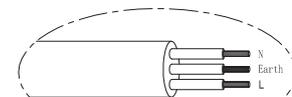
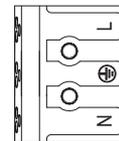
Installation **1**



CCT Setting

Wattage Setting

| Power | Current | 1 | 2 | 3 | 4 |
|-------|---------|---|---|---|---|
| 20W | 650mA | ○ | ○ | ○ | ○ |
| 21W | 700mA | ○ | ○ | ○ | ● |
| 22W | 750mA | ○ | ○ | ● | ○ |
| 24W | 800mA | ○ | ○ | ● | ● |
| 25W | 850mA | ○ | ● | ○ | ○ |
| 26W | 900mA | ○ | ● | ○ | ● |
| 28W | 950mA | ○ | ● | ● | ○ |
| 29W | 1000mA | ○ | ● | ● | ● |
| 32W | 1050mA | ● | ● | ● | ● |

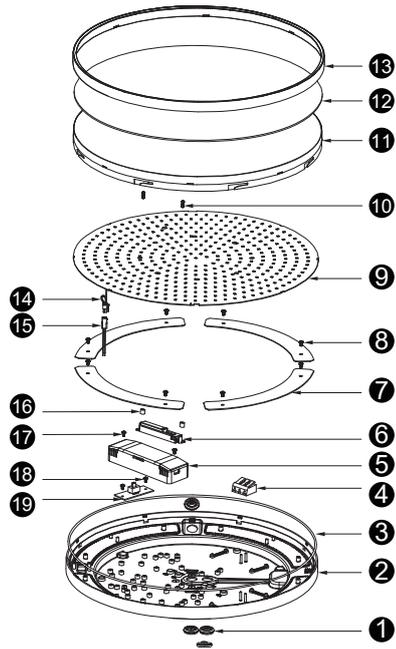


The min. diameter is $\geq 0.75\text{mm}^2$
Dimension: $\phi 8\text{mm} < \text{Cable} < \phi 9\text{mm}$

Wattage / CCT Setting **2**

Connecting Power Supply **3**

4 Explosion Drawing

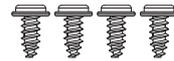


- | | |
|---------------------------------------|--------------------------------|
| ① Waterproof rubber plug | ⑪ Diffuser |
| ② Base | ⑫ UGR anti-glare film |
| ③ Waterproof ring | ⑬ Decoration ring |
| ④ Terminal block | ⑭ DC cable male plug |
| ⑤ Driver | ⑮ DC cable female plug |
| ⑥ Sensor controller | ⑯ Spacer |
| ⑦ LED PCBA-1 | ⑰ Screws for driver fixing |
| ⑧ Screws for PCBA fixing | ⑱ Screws for CCT switch fixing |
| ⑨ LED PCBA-2 | ⑲ CCT switch |
| ⑩ Screws for sensor controller fixing | |

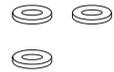
5 Accessory



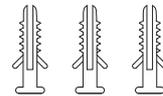
Cable Clip



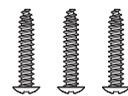
PB3x6mm Screws
(fix cable clip)



φ8 Waterproof
Silicone Washer



φ6x25mm Rawl plug



PA4x25mm Screws
(fix the fixture)



DK: Må kun installeres af autoriseret elinstallatør
EN: Only to be installed by an authorized electrician.

UGR(Unified Glare Rating) Table

| | | | | | | | | | | |
|---|------------------|------|------|------|--------------------------|----------------|------|------|------|------|
| Test:U:220.40V I:0.1480A P:31.400W PF:0.9570 Freq:50.00Hz | | | | | | | | | | |
| Lamp Flux:3026.37x1 lm | | | | | | | | | | |
| NAME: Pluto Sensor Photocell Advance CCT - Hvid | | | | | TYPE: | | | | | |
| MFR.: | | | | | DIM.: ϕ 400*60 (mm) | | | | | |
| | | | | | SUR.: ϕ 388 (mm) | | | | | |
| ceiling/cavity | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 |
| walls | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 |
| working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Room dimensions | Viewed crosswise | | | | | Viewed endwise | | | | |
| x = 2H y = 2H | 14.7 | 15.9 | 15.3 | 16.5 | 17.1 | 15.1 | 16.3 | 15.7 | 16.9 | 17.5 |
| 3H | 16.1 | 17.2 | 16.7 | 17.8 | 18.5 | 16.4 | 17.4 | 17.0 | 18.0 | 18.8 |
| 4H | 16.8 | 17.8 | 17.5 | 18.4 | 19.2 | 17.0 | 18.0 | 17.6 | 18.6 | 19.3 |
| 6H | 17.5 | 18.4 | 18.1 | 19.0 | 19.8 | 17.5 | 18.4 | 18.1 | 19.0 | 19.8 |
| 8H | 17.6 | 18.5 | 18.3 | 19.2 | 19.9 | 17.7 | 18.6 | 18.3 | 19.2 | 20.0 |
| 12H | 17.7 | 18.6 | 18.4 | 19.2 | 20.0 | 17.8 | 18.7 | 18.5 | 19.3 | 20.1 |
| 4H 2H | 15.2 | 16.2 | 15.8 | 16.8 | 17.5 | 15.5 | 16.5 | 16.1 | 17.1 | 17.8 |
| 3H | 17.0 | 17.8 | 17.7 | 18.5 | 19.2 | 17.1 | 18.0 | 17.8 | 18.6 | 19.4 |
| 4H | 17.9 | 18.6 | 18.5 | 19.3 | 20.1 | 17.9 | 18.6 | 18.6 | 19.3 | 20.1 |
| 6H | 18.6 | 19.3 | 19.3 | 20.0 | 20.8 | 18.6 | 19.2 | 19.3 | 19.9 | 20.7 |
| 8H | 18.9 | 19.5 | 19.5 | 20.2 | 21.0 | 18.8 | 19.4 | 19.5 | 20.1 | 20.9 |
| 12H | 19.0 | 19.5 | 19.7 | 20.2 | 21.1 | 19.0 | 19.6 | 19.8 | 20.3 | 21.1 |
| 8H 4H | 18.2 | 18.8 | 18.9 | 19.5 | 20.3 | 18.3 | 18.9 | 18.9 | 19.6 | 20.4 |
| 6H | 19.2 | 19.7 | 19.9 | 20.4 | 21.2 | 19.1 | 19.6 | 19.8 | 20.3 | 21.2 |
| 8H | 19.5 | 20.0 | 20.3 | 20.7 | 21.5 | 19.5 | 19.9 | 20.2 | 20.7 | 21.5 |
| 12H | 19.8 | 20.2 | 20.5 | 20.9 | 21.8 | 19.8 | 20.2 | 20.5 | 20.9 | 21.8 |
| 12H 4H | 18.3 | 18.8 | 19.0 | 19.5 | 20.3 | 18.3 | 18.8 | 19.0 | 19.6 | 20.4 |
| 6H | 19.3 | 19.7 | 20.0 | 20.4 | 21.3 | 19.2 | 19.7 | 20.0 | 20.4 | 21.2 |
| 8H | 19.7 | 20.1 | 20.4 | 20.8 | 21.7 | 19.7 | 20.1 | 20.4 | 20.8 | 21.7 |
| CIE190: 2010 | | | | | | | | | | |
| | | | | | | | | | | |

CIE190: 2010
Area: 0.118 m2

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-01-27

V(B) Range:-180 - 180DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:8.000m [K=0.7125]
Remarks: