Pluto PIR Sensor CCT - Hvid

A LED

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. PIR sensoren 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 spejlarmatur på et toilet.

5 YEAR WARRANTY

CE | ROHS | IP54 | IK08 | 220V 240V | IEC EN60598 | CCT | ☐

Product data

| General Informadon		Diffuser type	Mikroprismatisk
Light source type	LED	Control and dimming	PIR sensor & 3-step dimming level
Number of LED module	5 Pcs	Connection type	3 pole connector
Beam angle of LED module	88°	Protection class IEC	Safety class ll
Color temperature	3000K, 4000K	Glow-wire test	650°C
CRI	80	UGR	19
LED module replaceable	Yes	PstLM	≤1
Number of LED driver	1 Unit	SVM	≤0.4
Driver included	Yes	CE Mark	Yes
Driver replaceable	Yes	EU RoHS compliant	Yes
L90 life time of LED module	53,000 hrs	Net weight (piece)	1.77 Kg
L80 life time of LED module	111,000 hrs	**Dimension**	
LED module lumen	3000K: 2912lm 4000K: 3040lm	Overall length	400 mm
Operaring and Electrical		Overall width	400 mm
Input Voltage	220-240 Vac	Overall height	60 mm
Input frequency	50 to 60 Hz	**Mechanical and Housing**	
System wattage	16W/21W/23W/32W	Housing material	PP + Fiberglass
Inrush current	14.2A	Diffuser material	PC
Inrush time	10.4 µs	Housing color	Hvid
Power factor	≥0.9	Ingress protection code	IP54
Surge protection	2KV (L/N-Ground)	Meeh, impact protection code	lK08
Ambient temperature range	-20°C to + 40°C	**Remarks**	
Performance ambient temperature Tq	+25 °C	LED driver failure rate at 50,000hrs@25°C	5%
SDCM	3	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
5740320540101	32	400	400	60	3000K	2912	80	88°	D	YES
5740320540101	32	400	400	60	4000K	3040	80	88°	D	YES

* Due to the special conditons of the manufacturing processes of LED, the typical data of technical parameters can only relfect statistical figures and do not necessarily correspond to the actual parameters of each

single product wihch could differfrom the typical value. A max 10% tolerance is deemed to be acceptable in any case.

Circuit Breaker

Circuit breaker model No. Product name	B10	B13	B16	B20	C10	C13	C16	C20
Pluto PIR Sensor CCT - Hvid	42	54	67	83	42	54	67	83

Dimension drawings

60mm

Φ 400mm
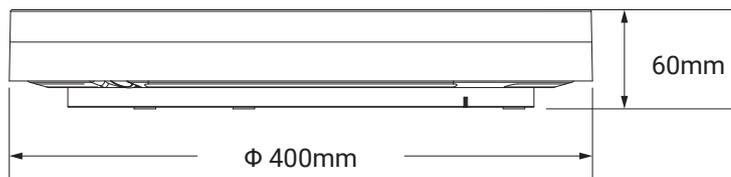
Sensitivity

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
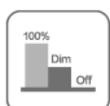
Hold-time

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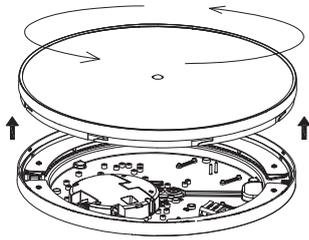
* Set stand-by time at infinity for bi-level control.

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.
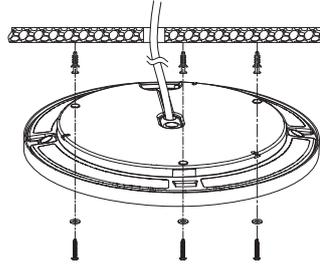Stand-by dimming level options: 10% / 20% / 30% / 50%
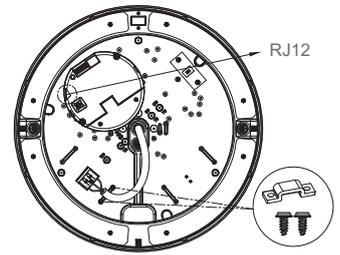
Installation manual

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.
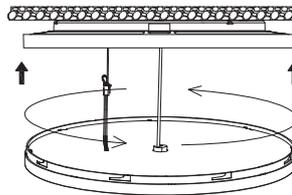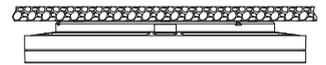
③

RJ12

Install the cable clip.

④
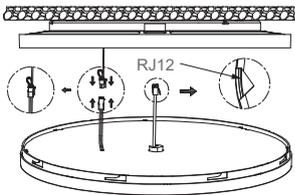
RJ12

a. Connect the DC cable.
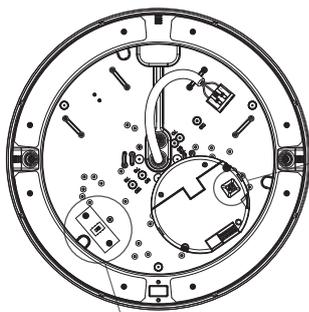b. Connect RJ12 with the driver DA320-D.
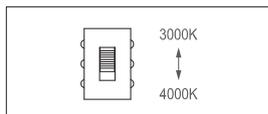
⑤

Mount the diffuser onto the base by twisting clockwise.
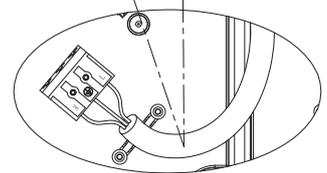
⑥

Installation finished.

Installation **1**

Wattage Setting

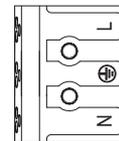| Power	Current	1	2	3
32W	720mA	○	○	○
23W	550mA	●	○	○
21W	500mA	○	●	○
16W	400mA	○	○	●

3000K
4000K

CCT Setting

Wattage / CCT Setting **2**

L
N

N
Earth
L
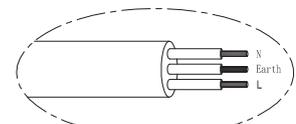
The min. diameter is ≥ 0.75mm^2
Dimension: φ8mm < Cable < φ9mm

Connecting Power Supply **3**

4 | Explosion Drawing
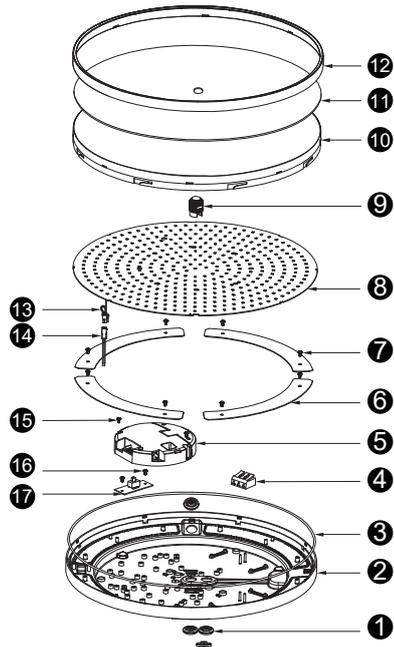
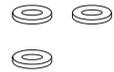|			
❶	Waterproof rubber plug	❿	Diffuser
❷	Base	⓫	UGR anti-glare film
❸	Waterproof ring	⓬	Decoration ring
❹	Terminal block	⓭	DC cable male plug
❺	Driver	⓮	DC cable female plug
❻	LED PCBA-1	⓯	Screws for driver fixing
❼	Screws for PCBA fixing	⓰	Screws for CCT switch fixing
❽	LED PCBA-2	⓱	CCT switch
❾	PIR sensor		

5 | Accessory

Cable Clip
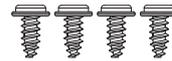
PB3x6mm Screws
(fix cable clip)

φ8 Waterproof
Silicone Washer
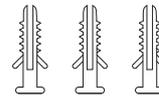
φ6x25mm Rawl plug
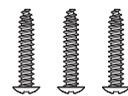
PA4x25mm Screws
(fix the fixture)

⚠ 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:0.1400A P:30.000W PF:0.9670 Freq:50.00Hz Lamp Flux:3091.06x1 lm			
NAME: Pluto PIR Sensor CCT – Hvid	TYPE:		
MFR.:	DIM.: Φ400*60 (mm)		
	SUR.: Φ388 (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	15.3	16.4	15.9	17.0	17.7	15.1	16.3	15.8	16.9	17.6
3H	17.0	18.0	17.6	18.7	19.4	16.8	17.8	17.4	18.5	19.2
4H	17.7	18.6	18.3	19.3	20.0	17.4	18.4	18.1	19.1	19.8
6H	18.4	19.3	19.0	19.9	20.7	18.0	18.9	18.6	19.5	20.3
8H	18.6	19.5	19.3	20.1	20.9	18.2	19.0	18.8	19.7	20.5
12H	18.8	19.6	19.4	20.2	21.0	18.3	19.1	19.0	19.8	20.6
4H 2H	15.4	16.3	16.0	17.0	17.7	15.2	16.2	15.9	16.9	17.6
3H	17.4	18.2	18.0	18.8	19.6	17.1	17.9	17.7	18.5	19.3
4H	18.2	18.9	18.9	19.6	20.4	17.8	18.5	18.5	19.2	20.0
6H	19.1	19.7	19.8	20.4	21.2	18.5	19.1	19.2	19.9	20.7
8H	19.4	20.0	20.1	20.7	21.5	18.8	19.4	19.5	20.1	20.9
12H	19.6	20.2	20.4	20.9	21.7	19.1	19.6	19.8	20.3	21.2
8H 4H	18.3	18.9	19.1	19.6	20.5	18.0	18.5	18.7	19.3	20.1
6H	19.4	19.9	20.1	20.6	21.4	18.8	19.3	19.5	20.0	20.8
8H	19.8	20.3	20.6	21.0	21.9	19.1	19.6	19.9	20.3	21.2
12H	20.2	20.6	20.9	21.3	22.2	19.5	19.9	20.3	20.6	21.5
12H 4H	18.4	18.9	19.1	19.6	20.5	18.0	18.5	18.7	19.2	20.1
6H	19.4	19.9	20.2	20.6	21.5	18.8	19.2	19.6	20.0	20.9
8H	19.9	20.3	20.7	21.1	22.0	19.2	19.6	20.0	20.4	21.3
CIE190: 2010										

CIE190: 2010
Area: 0.118 m2