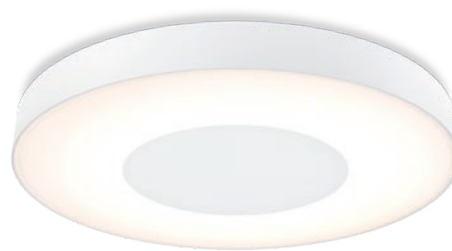# Ceiling luminaire

CCL-01 & CCL-01-S

CCL-01 is a smart LED ceiling lamp with tunable white and a built-in dimmer function. No external dimmer is to be used. It can be grouped wirelessly and controlled through the app, other products from Plejd, or wired push button. The product can also be controlled automatically with built-in time functions such as astro/time schedule. CCL-01 has adjustable color temperature and can be set to a fixed temperature or dim to warm. CCL-01-S has a motion sensor with support for orientation light and day light sensing.

| 2,000 lm | IP44 IP20 | Bluetooth® | 2,200–4,000 K | | F A↔G |

Light data

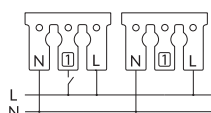|	
Luminous flux	2,000 lm
Tunable white	2,200–4,000 K
Beam angle	120°
Dimming	0.1–100 %
Ra	93
SDCM	3
L70/B50	100,000 h. Ta 35 °C
Light source	LED (non user replaceable)

Technical data

IP rating ceiling	IP44
IP rating wall	IP20
Protection class	Class II
Impact resistance	IK07
Protection	Overtemperature protection
Operating environment	Indoor
Permissible ambient temperature	-25 to +35 °C
Battery backup	Battery life up to 10 years
Maximum power consumtion	22 W
Energy efficiency class	F
Mains electricity	230 V~ 50 Hz
Power factor (PF)	0.9
Standby power	Psb, Pnet: 0.20 W
Maximum bypass current	16 A
Cable area	0.75–2.5 mm^2

Radio

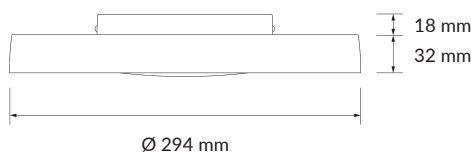|	
2.4 GHz mesh Bluetooth® <10 dBm	Radio range: Approx. 10 m indoors. The Plejd mesh technology extends the range by allowing the units to communicate with each other.

Article list

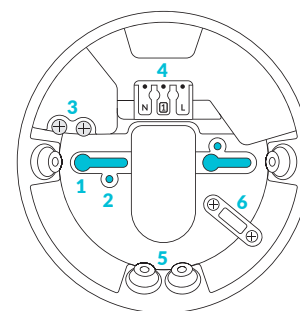|		
CCL-01-W	White (RAL 9003)	
CCL-01-B	Black (RAL 7016)	
CCL-01-S-W	White (RAL 9003)	Sensor
CCL-01-S-B	Black (RAL 7016)	Sensor

NOTE! Do not connect input 1 between several products. Use the app to configure the control and connection of several devices in a group.

Luminaire 1   Luminaire 2

18 mm
32 mm
Ø 294 mm

1. Holes for screw mounting, 52–80 mm (for example with ceiling junction box).
2. Hole for screw mounting, 60 mm (with, for example, appliance box).
3. Two M4 screws are included to be used with ceiling junction box.
4. Connection terminal N ① L.
5. Cable grommets.
6. Strain relief for connection with flexible cable.

CCL-01-S

Motion sensor*	PIR Sensor (Infrared sensor) HF Sensor (Doppler radar)
Range (PIR Sensor)	Mounted at 2.5 m: 5 m detection radius (up to 10 m tangential movement)
	Mounted at 3 m: 6 m detection radius (up to 11 m tangential movement)
	(According to IEC 63180)
Range (HF Sensor)	Adjustable up to 10 m (minor motion).
Daylight Sensor	Activate only in low light.
Radio	5.8 GHz radar

*The sensors work together for improved motion detection.

Height

A

B

A Detection radius

B Tangential movement