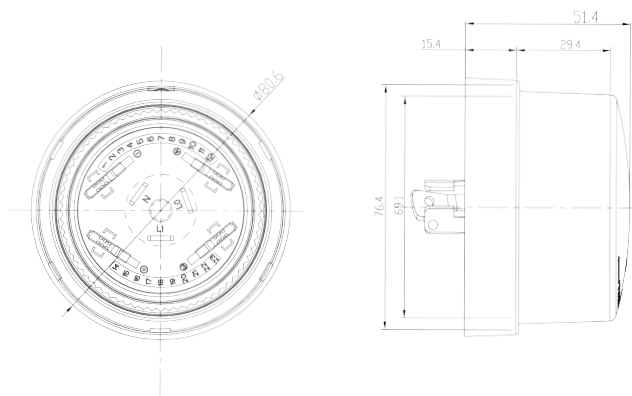


SYCRACON CBD2

Streetlight control with NEMA socket

The SycraCon CBD2 is a controller module designed for outdoor lighting. The lamp fixture can get wireless controlled over the radio connection network. Various variants of communication interfaces are available: Wireless Mesh, Lora, Z-Wave, SigFox. The module controls the LED driver of the lamp by powering it ON/OFF by a relays and dim via PWM, Dali-2 or 0-10V interface.

In OFF mode the power supply will be disconnected from the mains voltage by the relays. This avoids the standby power consumption and enables a longer lifetime of the power-supply. The socket of the module can easily get plugged into the NEMA standard socket for outdoor-lighting.



Features

a - Stand-alone

The Module's parameters, system time and its operation address can get set-up via a mobile app via Wireless link or by the wireless control network by the server.

The module can switch the light fixture time controlled in combination with a daylight harvesting feature which controls the brightness depending on the ambient light.

b - Control over the RF-network

Power ON/OFF and dimming can get controlled via the radio network. The module can set and return all parameters via the radio-network on request.

Different brightness threshold, prevent false trigger.

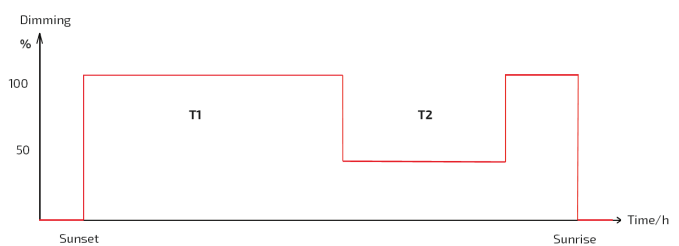
Applications

Widely used in streets, stations, airports, schools, parks and other places need energy-saving / automatic control applications.

Technical data

Connector Interface Standard	NEMA ANSI C136.41-2013 & UL773
Rated Voltage	100~277VAC/50~60Hz
Sensing Brightness	1 ~ 83k Lux
Dimming Brightness	1% ~ 100%
Power consumption	<1W
Output Signal	0-10V, PWM or DALI-2
Switch times	>10000 cycles at 230V/8A
Load current	max. 8A
Case Material	UV resistant PC
Operating temperature	-20°C ~ 70°C
Relative humidity	5%~95%
Protection class	IP66
Altitude	≤2000m
Wireless transmission power	max. 8 dBm
RF-Sensitivity	-3dBm
Certifications	CE, UL, CCC, FCC

Dimming options



Configuration options

1- Power

A8A 100-277VAC; max. 8A load

2- Controllable devices

L1R1 Dali-2 16 Channels and 1 Relay

P1V1 PWM/0-10V 1 channel and 1 Relay

3- Mounting

PL Pole (Nema Socket)

4- Connectivity

4 Wireless Mesh

5 Wireless Mesh + LoRa

6 LoRa

7 Z-Wave

8 SigFox

9 ZigBee

5- Cable

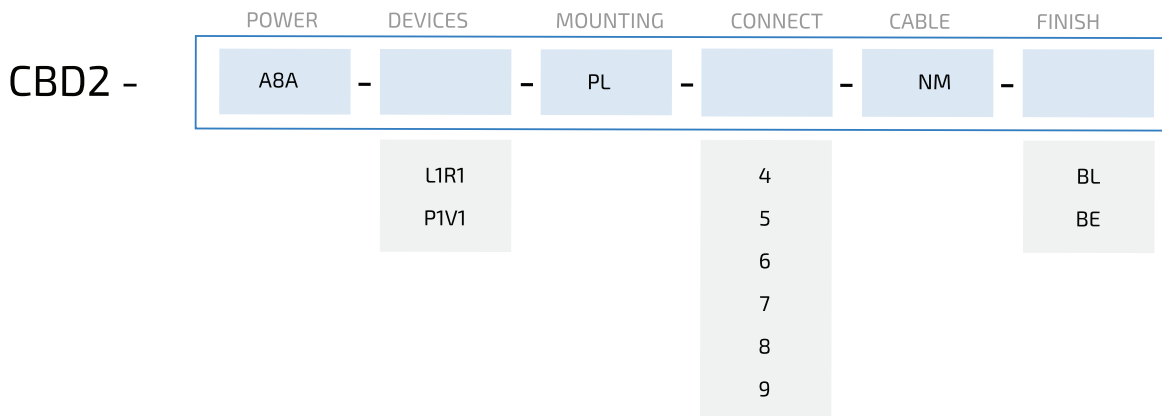
NM Nema ANSI 136.41 Socket (No Cable need)

6- Finish

BL Mate Translucent Black

BE Mate Translucent Blue

Configuration options



Software parameters

Operation Parameters:

- Operation Mode (Stand-alone / Network controlled)
- Max. Brightness
- Daylight harvesting factor
- Light threshold
- System Time
- On Time
- Off Time

System Parameters:

- Total Operation hours
- Software revision
- Serial Number
- Failure status

Sensor data:

- Ambient Brightness
- Ambient Temperature
- Supply Voltage
- Supply Current
- Accumulated power consumption

Operation parameters

Manual : ON/OFF light channel manually according to network command.

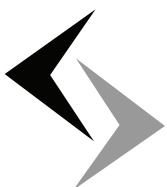
Schedule: ON/OFF light channel according to ON time and OFF time.

Auto: ON/OFF light channels according to occupancy report by radar/PIR

Ambient: ON/OFF light channels according to ambient light threshold

Auto ambient: Turn on light channel when occupancy is TRUE and ambient light level is above threshold.

Auto schedule: Turn on light when system time within ON time and occupancy is true



SYCRA
One Step Smarter.

Germany
Stahlgruberring 36
81829 Munich,
Germany
(49) 89 215522535

Hong Kong
No.1120, Level 11, Landmark North,
39 Lung Sum Avenue, Sheung Shui,
New Territories
(852) 6850 8634

China
7 Ganli 6th rd, 2F Building 2,
Longgang district, 518000
Shenzhen, China
(86) 755 2891 1623

Sycra reserves the right to make changes to this product at any time without prior notice and such modification shall be effective immediately. For more information and details, visit www.sycratech.com or contact info@sycratech.com.

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