LCD 18W Surface Mount

LED Selectable CCT / with Microwave Sensor or Emergency Battery Back-up

Project:	Date
Type:	
Model:	

DESCRIPTION

This LED surface-mount fixture offers field-selectable CCT, allowing on-site selection of 3000K, 4000K, or 5000K for versatile application. It includes an optional microwave sensor with tri-level dimming, an advanced motion detection system that adjusts light output in three stages: full brightness (100%) when motion is detected, a reduced dimmed level (30%) during standby, and off when no motion is present. An emergency battery backup is also available, but can only be selected if the microwave sensor is not used, and vice versa. Designed for durability, the fixture is IP65 rated for dust and water resistance and IK10 rated for high-impact protection, making it ideal for demanding indoor and outdoor environments.



FEATURES

- Die-cast aluminum housing, finished with powder coating.
- LED chip: standard 80 CRI.
- 120-277VAC 50/60Hz
- Built in Microwave sensor, (100%, Dim 30%, Off).
- 3 CCT Selectable allows for further customization based on your requirements.
- Built in 6Kv Surface Protector.
- IK10 & IP65 Rated.
- Knock-out for side power feed.
- UV-resistant diffuser
- Operating Temperature: -4ºF to 122ºF
- Average life (L70) 50,000 hrs.

White RAL9003 | Black RAL9005 | Anthracite RAL7016 | Gray RAL7045

ORDER INFORMATION

EXAMPLE: LCD-18W-Y-CCTS-BK-MS

3 CCT SELECTABLE · RoHS COMPLIANT · IK 10 · 80 CRI · IP65 Rated · 50,000 Hours · Limited Warranty 5 Year · ETL Listed · DLC LISTED Pending

Series	Wattage	Voltage	CCTS	Finish	Emergency BatteryBack-up	Sensor
LCD Surface Mount	**18W** 18 Watts	**Y** 120-277V	**CCTS** Selectable Color Temperature (3000K / 4000K / 5000K)	**BK** Black **WH** White **AG** Anthracite Gray **GR** Gray	**EB** Emergency Battery Back-up ** Not available with Microwave Sensor.*	**Microwave Sensor** Microwave sensor tri-level dimming (corridor function); Daylight sensor. ** Not available with Emergency Battery Back-up.*

Enter configuration: _____

**Special order 6-8 weeks

Dimensions and values shown are nominal. LuminosoLED continually works to improve products and reserves the right to make changes which may alter the performance or appearance of products.

PERFORMANCE DATA

Model	CCT Selectable	Lumens	Efficacy	Wattage	Power Factor	Beam Angle	Voltage
LCD	3000K	1,440	80 lm/W	18W	>0.9	110°	120-277V
	4000K	1,510	85 lm/W				
	5000K	1,590	90 lm/W				



Service-hinged PCB for easy access & installation.

Tri-level Control HF Sensor

HC403VRC-KD

Detached Version with Daylight Monitoring and Remote Control

Applications:

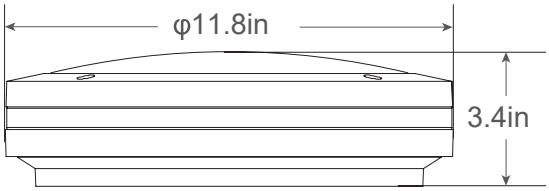
Occupancy detector with tri-level dimming control suitable for indoor use.

- Office / Commercial Lighting
- Classroom
- Warehouse

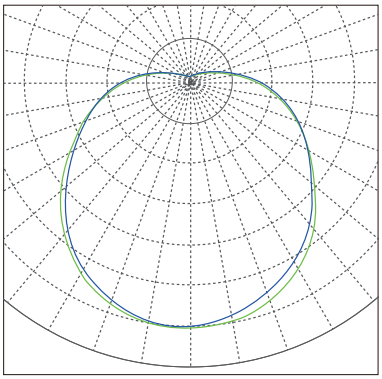
DIP Switch settings	
Sensitivity	10% / 50% / 75% / 100%
Hold-time	5s ~ 30min (Selectable)
Daylight threshold	2 ~ 50 lux, disabled
Stand-by period	0s ~ 1h, + ∞ (selectable)
Stand-by dimming level	10% / 20% / 30% / 50%

Environment	
Operation temperature	Ta: -4ºF to 140ºF
Case temperature (Max.)	Tc: 176ºF
IP Rating	IP20

DIMENSIONS



PHOTOMETRIC

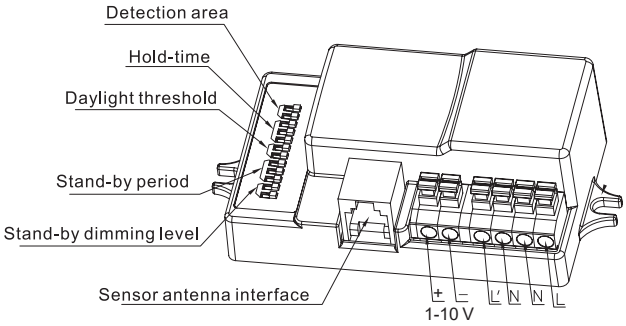


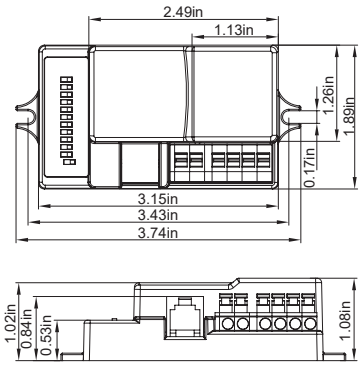
C0/C180: C90/C270:

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DIP Switch Settings

1 Detection Range

Sensor sensitivity can be adjusted by selecting the combination on the DIP switches to fit precisely for each specific application.

	1	2	
I	●	●	100%
II	●	○	75%
III	○	●	50%
IV	○	○	10%

I – 100%
II – 75%
III – 50%
IV – 10%

2 Hold-time

Choose the DIP switch position that sets how long the light stays at full brightness after presence is detected.

Note: This function is deactivated when ambient daylight exceeds the set daylight threshold for a continuous period of more than 5 minutes.

	1	2	3	
I	●	●	●	5s
II	●	●	○	30s
III	●	○	●	1min
IV	●	○	○	5min
V	○	●	●	10min
VI	○	●	○	20min
VII	○	○	○	30min

I – 5s
II – 30s
III – 1min
IV – 5min
V – 10min
VI – 20min
VII – 30min

3 Daylight Threshold

Adjust the level based on the fixture and surroundings. The light will remain off if ambient light is above the daylight threshold.

Please note that the ambient lux level refers to the internal light measured at the sensor.

When the daylight sensor is disabled, the device operates in occupancy detection only.*

	1	2	
I	●	●	Disable
II	●	○	50Lux
III	○	●	10Lux
IV	○	○	2Lux

I – Disable
II – 50Lux
III – 10Lux
IV – 2Lux

4 Stand-by period (corridor function)

This defines the period during which the fixture maintains a low light output before fully turning off in the extended absence of occupants.

Note: "0s" = on/off control;
" + ∞" = infinite stand-by time, the fixture remains on continuously.

	1	2	3	
I	●	●	●	0s
II	●	●	○	10s
III	●	○	●	1min
IV	●	○	○	5min
V	○	●	●	10min
VI	○	●	○	30min
VII	○	○	●	1H
VIII	○	○	○	+∞

I – 0s
II – 10s
III – 1min
IV – 5min
V – 10min
VI – 30min
VII – 1H
VIII – +∞

5 Stand-by dimming level

This setting controls how bright the light stays when the area is unoccupied, ensuring comfort and safety.

	1	2	
I	●	●	10%
II	●	○	20%
III	○	●	30%
IV	○	○	50%

I – 10%
II – 20%
III – 30%
IV – 50%