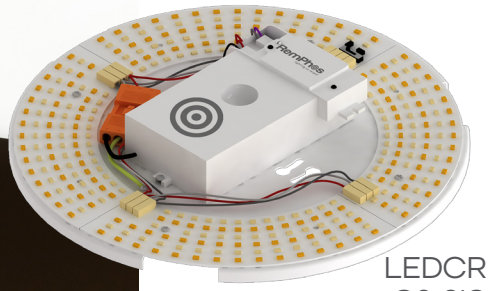
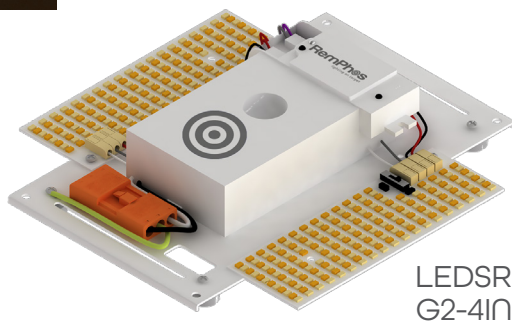
RemPhos

RETROFIT KITS

LEDCR G2 & LEDSR G2



LEDCR G2-9IN



LEDSR G2-4IN

- 12 retrofits in kits in 1 with flexWATT & flexCOLOR technology.
- flexCONTROL technology allows for adjustable sensitivity and control.
- Uses a replaceable and upgradeable light engine.
- Suitable for dry and damp locations.
- Adaptable mounting - flexible wiring accomodates various wiring configurations.
- Optional emergency battery backup.

flexWATT

LEDCR	6W	10W	16W	22W
LEDSR	6W	9W	12W	15W

flexCOLOR

- 3000°K NEUTRAL WHITE
- 3500°K NEUTRAL WHITE
- 4000°K NEUTRAL WHITE

10 YEAR WARRANTY

120/277V — ALSO WORKS ON 208V & 240V

0-10V DIM

130-150 LPW — EFFICACY

80+ — CRI

120° — BEAM ANGLE

<15% THD, >0.9 — PWR FACTOR

-20°C TO 60°C — OPERATING TEMP

L70 — 100,000hrs RATED LIFE

PART #	UPC	WATTAGE	LUMENS	FLEXCOLOR
RPT-P-LEDCR-G2-9IN-14L-840-FWFC	844006010676	6W/**10W**/16W/22W	**1370**	3000K/3500K/**4000K**
RPT-P-LEDCR-G2-9IN-14L-840-FWFC-OCC	844006010683	6W/**10W**/16W/22W	**1370**	3000K/3500K/**4000K**
RPT-P-LEDSR-G2-4IN-8L-840-FWFC	844006010690	**6W**/9W/12W/15W	**816**	3000K/3500K/**4000K**
RPT-P-LEDSR-G2-4IN-8L-840-FWFC-OCC	844006010706	**6W**/9W/12W/15W	**816**	3000K/3500K/**4000K**
RPT-P-LEDSR-G2-9IN-8L-840-FWFC	844006010713	**6W**/9W/12W/15W	**816**	3000K/3500K/**4000K**
RPT-P-LEDSR-G2-9IN-8L-840-FWFC-OCC	844006010720	**6W**/9W/12W/15W	**816**	3000K/3500K/**4000K**
RPT-P-LEDSR-G2-14INE-8L-840-FWFC	844006010737	**6W**/9W/12W/15W	**816**	3000K/3500K/**4000K**
RPT-P-LEDSR-G2-14INE-8L-840-FWFC-OCC	844006010744	**6W**/9W/12W/15W	**816**	3000K/3500K/**4000K**
RPT-P-LEDSR-G2-14INM-8L-840-FWFC	844006010751	**6W**/9W/12W/15W	**816**	3000K/3500K/**4000K**
RPT-P-LEDSR-G2-14INM-8L-840-FWFC-OCC	844006010768	**6W**/9W/12W/15W	**816**	3000K/3500K/**4000K**

ETL LISTED, RoHS Compliant, ENERGY STAR

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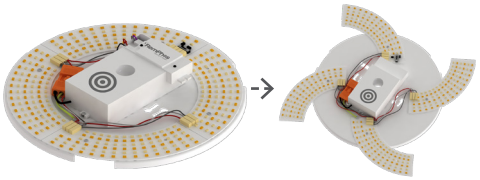
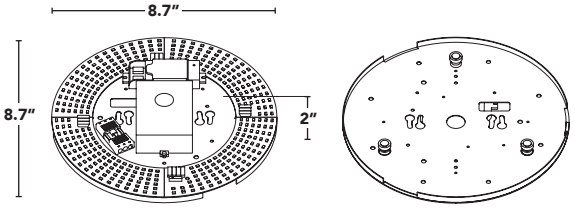
Light Efficient Design

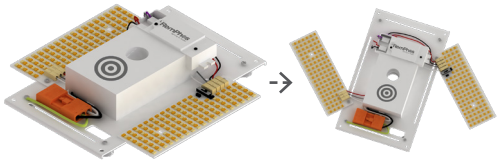
RETROFIT KITS

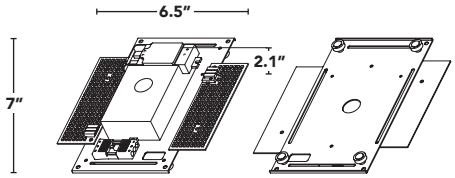
LEDCR G2 & LEDSR G2



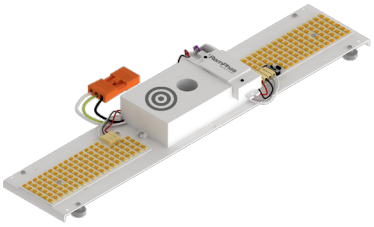


LEDCR-G2-9IN (EXPANDABLE LED BOARDS)

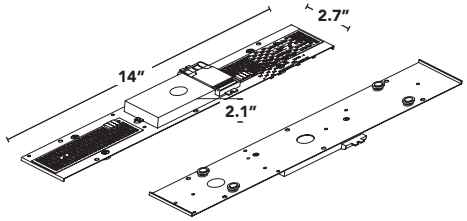




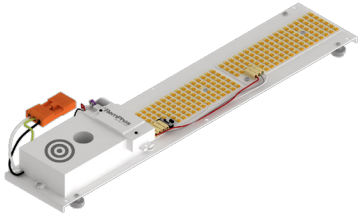
LEDSR-G2-4IN (EXPANDABLE LED BOARDS)



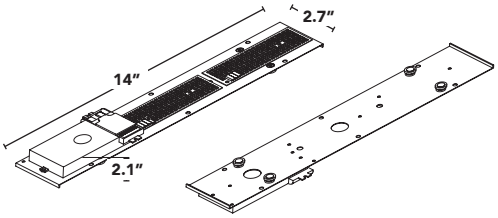
driver located in middle



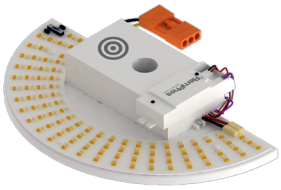
LEDSR-G2-14INM (FIXED LED BOARDS)

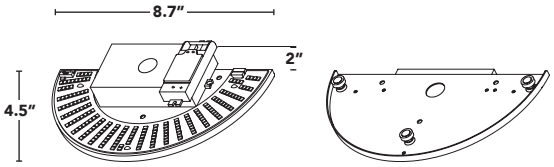


driver located at end



LEDSR-G2-14INE (FIXED LED BOARDS)





LEDSR-G2-9IN (FIXED LED BOARDS)

RETROFIT THESE FIXTURES & MORE

SURFACE MOUNTS

VANITIES/LINEARS

WALL MOUNTS

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RETROFIT KITS

LEDCR G2 & LEDSR G2

PART #	UPC	WATTAGE	LUMENS	LPW	COLOR	QUICK SHIP	ENERGY STAR
RPT-P-LEDCR-G2-9IN-8L-830-FWFC		6W	780	130	3000K		✓
RPT-P-LEDCR-G2-9IN-8L-835-FWFC		6W	780	130	3500K		✓
RPT-P-LEDCR-G2-9IN-8L-840-FWFC		6W	816	136	4000K		✓
RPT-P-LEDCR-G2-9IN-14L-830-FWFC		10W	1370	137	3000K		✓
RPT-P-LEDCR-G2-9IN-14L-835-FWFC		10W	1440	144	3500K		✓
RPT-P-LEDCR-G2-9IN-14L-840-FWFC	844006010676	10W	1370	137	4000K	✓	✓
RPT-P-LEDCR-G2-9IN-14L-840-FWFC-OCC	844006010683	10W	1370	137	4000K	✓	✓
RPT-P-LEDCR-G2-9IN-23L-830-FWFC		16W	2256	141	3000K		✓
RPT-P-LEDCR-G2-9IN-23L-835-FWFC		16W	2240	140	3500K		✓
RPT-P-LEDCR-G2-9IN-23L-840-FWFC		16W	2352	147	4000K		✓
RPT-P-LEDCR-G2-9IN-31L-830-FWFC		22W	2970	135	3000K		✓
RPT-P-LEDCR-G2-9IN-31L-835-FWFC		22W	3080	140	3500K		✓
RPT-P-LEDCR-G2-9IN-31L-840-FWFC		22W	3124	142	4000K		✓
RPT-P-LEDSR-G2-4IN-8L-830-FWFC		6W	780	130	3000K		✓
RPT-P-LEDSR-G2-4IN-8L-835-FWFC		6W	780	130	3500K		✓
RPT-P-LEDSR-G2-4IN-8L-840-FWFC	844006010690	6W	816	136	4000K	✓	✓
RPT-P-LEDSR-G2-4IN-8L-840-FWFC-OCC	844006010706	6W	816	136	4000K	✓	
RPT-P-LEDSR-G2-9IN-8L-840-FWFC	844006010713	6W	816	136	4000K	✓	✓
RPT-P-LEDSR-G2-9IN-8L-840-FWFC-OCC	844006010720	6W	816	136	4000K	✓	
RPT-P-LEDSR-G2-14INE-8L-840-FWFC	844006010737	6W	816	136	4000K	✓	✓
RPT-P-LEDSR-G2-14INE-8L-840-FWFC-OCC	844006010744	6W	816	136	4000K	✓	
RPT-P-LEDSR-G2-14INM-8L-840-FWFC	844006010751	6W	816	136	4000K	✓	✓
RPT-P-LEDSR-G2-14INM-8L-840-FWFC-OCC	844006010768	6W	816	136	4000K	✓	
RPT-P-LEDSR-G2-14INM-14L-830-FWFC		10W	1370	137	3000K		✓
RPT-P-LEDSR-G2-14INM-14L-835-FWFC		10W	1440	144	3500K		✓
RPT-P-LEDSR-G2-14INM-14L-840-FWFC		10W	1370	137	4000K		✓
RPT-P-LEDSR-G2-14INM-17L-830-FWFC		12W	1692	141	3000K		✓
RPT-P-LEDSR-G2-14INM-17L-835-FWFC		12W	1680	140	3500K		✓
RPT-P-LEDSR-G2-14INM-17L-840-FWFC		12W	1764	147	4000K		✓
RPT-P-LEDSR-G2-14INM-21L-830-FWFC		15W	2025	135	3000K		✓
RPT-P-LEDSR-G2-14INM-21L-835-FWFC		15W	2100	140	3500K		✓
RPT-P-LEDSR-G2-14INM-21L-840-FWFC		15W	2130	142	4000K		✓

If you require BAA (ARRA Section 1605) add -AA at end of part number.

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Light Efficient Design

RETROFIT KITS

LEDCR G2 & LEDSR G2

flexWATT

HOW DOES IT WORK?

Our exclusive LED driver is designed to operate at 90%+ efficiency at each wattage setting. Standard drivers would have much lower efficiency as low as 60% and would result in poor performance and reduced efficacy.

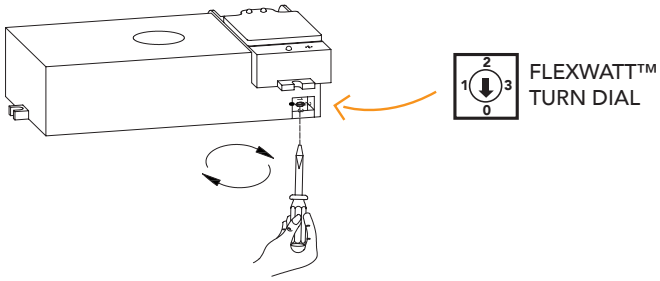
WHAT ARE THE WATTAGE CHOICES?

Please reference this table and the ordering guide on the last page of the cut sheet.

FLEXWATT TURN DIAL POSITION				
STYLE	0	1	2	3
LEDCR	6W (8L)	10W (14L)	16W (23L)	22W (31L)
LEDSR	6W (8L)	10W (14L)	12W (17L)	15W (21L)

HOW EASY IS IT TO SET?

Simply slide off the driver door, adjust the 4-position turn dial with a small, flat-head screw driver, and replace the door. Quick and easy. Can be "locked-out" to prevent field-adjustability if desired.



flexCOLOR

HOW DOES IT WORK?

We select the highest efficacy, multiple color LED diodes from quality suppliers, and mount them on the same circuit board. A proprietary LED binning process ensures color consistency between fixtures. The FlexColor technology controller ensures the correct color is selected, every time.

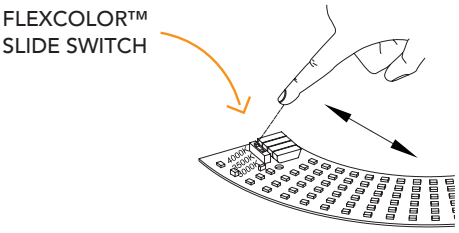
WHAT ARE THE COLOR CHOICES?

3000k, 3500k and 4000k. Please reference this table and the ordering guide on the last page of the cut sheet.

FLEXCOLOR SLIDE SWITCH POSITION		
TOP	MIDDLE	BOTTOM
3000K	3500K	4000K

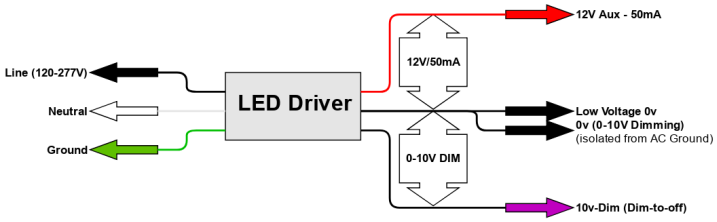
HOW EASY IS IT TO SET?

Adjust the 3-position slide switch with your finger. Quick and easy. Can be "locked-out" to prevent field-adjustability if desired.



flexCONTROL

12v Aux - 50mA
10V DIM-to-OFF



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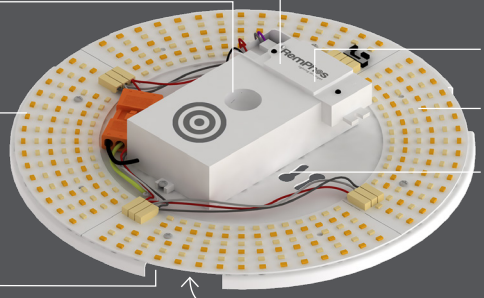
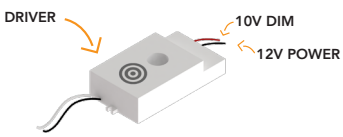
RETROFIT KITS

LEDCR G2 & LEDSR G2



CONTROL OPTIONS

CONTROL READY



All LEDCR/SR models come standard as factory enabled to add controls at the factory, in the field or at a later date. Driver comes with 10V dimming and 12V DC power wiring.

BASIC CONTROL

Integrated high frequency, high/low motion and daylight sensor. Can be mounted behind glass or plastic lens. Purchase optional remote control to adjust settings.

ORDERING CODES
SENSOR = OCC / RC = HNSIII REMOTE

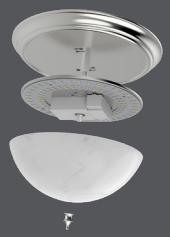
ADVANCED WIRELESS CONTROL

MAGNUM INNOVATIONS — Proudly Made In America
avi-on
PHILIPS
LUTRON

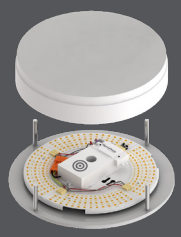
We partner with Magnum, avi-on, Philips, Lutron and other intelligent wireless lighting control systems. Allows for occupancy sensing, daylight harvesting, grouping, scheduling, high-end trim and more. Adjust settings via iPhone/Android apps. Contact us for

CONTACT US FOR ORDERING CODES

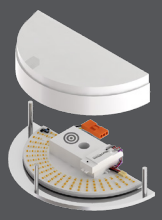
EASILY RETROFIT THESE FIXTURE STYLES, AND MORE!



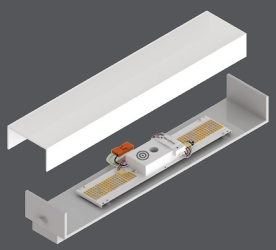
LEDCR-G2-9IN/SURFACE MOUNT



LEDCR-G2-9IN/SURFACE MOUNT

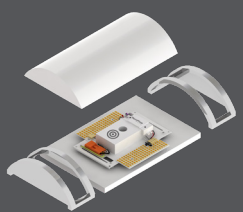


LEDSR-G2-9IN/SCONCE



LEDSR-G2-14INM/VANITY + LINEAR

LEDSR-G2-14INE/VANITY + LINEAR



LEDSR-G2-4IN/SCONCE

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08.23.23Information is subject to change without notice.

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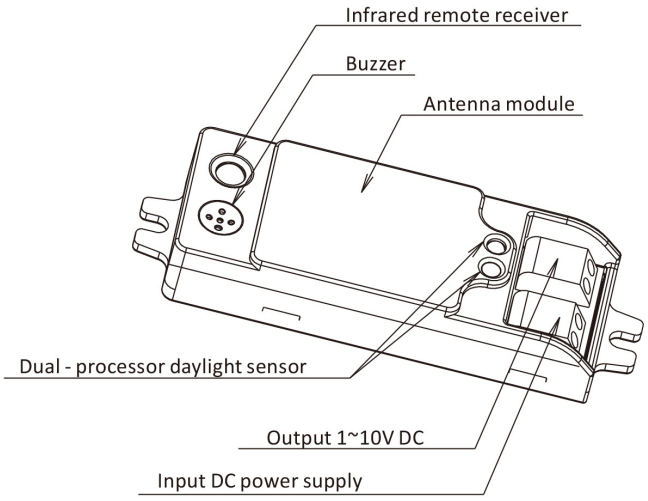
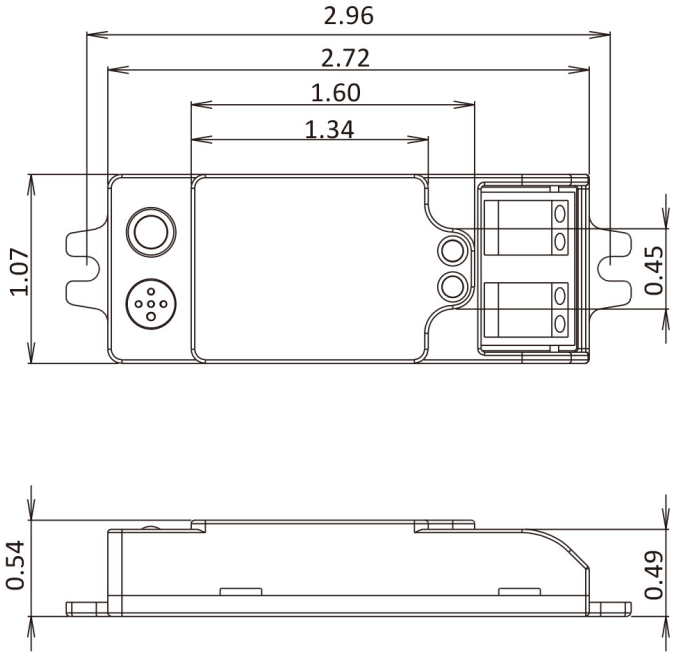
RETROFIT KITS

LEDCR G2 & LEDSR G2

SENSOR OPTIONS: OCC / OCCLR

- OCC - Standard high/low motion sensor.
  Remote: IR12
- OCCLR - Limited range high/low motion sensor.
  Remote: IR12





- Occupancy sensor w/ daylight hold-off.
- Powered by 12V DC LED driver from fixture - provided by the LED power supply.
- High frequency radar occupancy sensor.
- Infared remote control available (sold separately).
- Uses less than 0.1W in standby mode.

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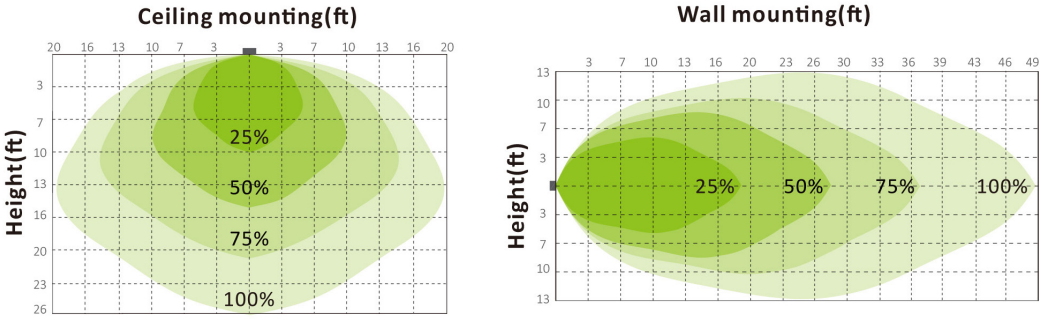
Light Efficient Design

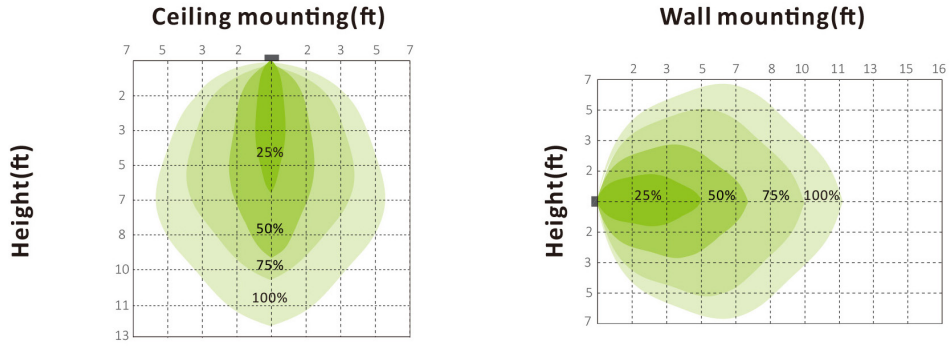
RETROFIT KITS

LEDCR G2 & LEDSR G2

DETECTION PATTER OCC (STANDARD OPTION)



DETECTION PATTER OCCLR (LIMITED RANGE)

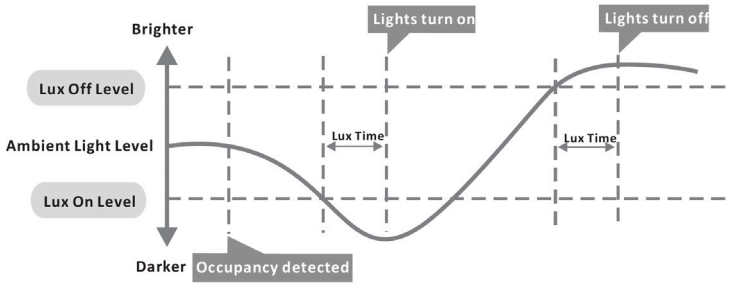


DAYLIGHT MONITORING FUNCTION

This sensor can tell the difference between natural light and artificial light (lamp) from behind the diffuser, switch on automatically (even without movements) when the ambient light is below the target value, and then switch off automatically whenever the artificial light is not required (ambient light is bright enough).

Note: Lux-Off sampling time - 30s; Lux-On sampling time - 10s

Lux-On function will only opperate without motion when standby is set to + ∞.



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Light Efficient Design

RETROFIT KITS

LEDCR G2 & LEDSR G2

SENSOR OPTIONS: OCC / OCCLR

Permanent ON/OFF function

Press “POWER” button, sensor is disabled.

*press “Auto”, “Reset” or “Ambient learn” to quit this mode.

Dim +/-

Press “Dim” button to automatically dim up or down the light brightness during hold-time from 10% to 100%. Another press to lock it down when desired brightness is achieved.

*after desired brightness is locked down, if user wants to dim again reversely, just press the “Dim” button again and then lock down the new brightness again.

IR12

Sensor mode

Press “Auto” button, the sensor starts to work and all settings remain the same as the latest status before the sensor was disabled.

Reset function

Press “Reset” button, all settings go back to factory default settings.

*Factory default settings--

Sensitivity=100%
Daylight sensor=disable
Hold time=5min
Twilight time=+∞
Twilight level=30%

Note:

- The buzzer short beeps(~0.5s) ONCE when sensor successfully receives RC signal after pressing any buttons except for “Ambient learn” .
- The buzzer short beeps(~0.5s) TWICE to start learning ambient lux after pressing “Ambient learn” Then followed by a long beep(~1s) to indicate the success of ambient learning.
- When “twilight level” set at 0%, it becomes ON/OFF control.

Ambient learn

Press “Ambient learn” button, the latest surrounding lux value overwrites previous lux value learned, and set as the daylight threshold. This feature enables the fixture to function well in any real application circumstance.

Test mode

“Test mode”is for testing purpose only, for users to check the functionality and choose the desired detection range. The sensor goes to test mode automatically after pressing this button.

Users can quit this mode by pressing “ON/OFF”, “Reset”, or any button of “Hold time”. The sensor settings are changed accordingly .

*Test mode defaulted settings--

Daylight sensor=disable
Hold time=3s
Twilight time=N/A
Twilight level=N/A

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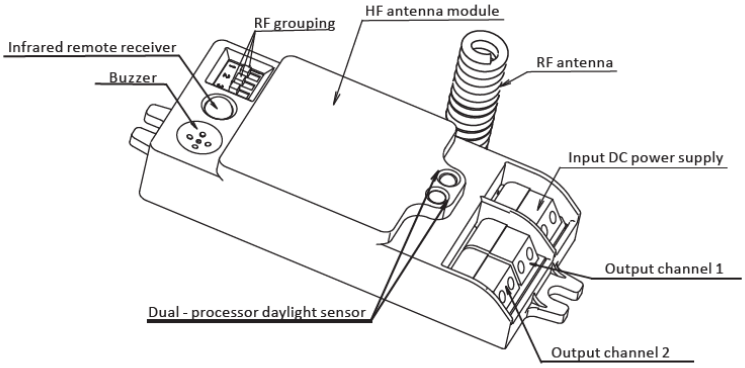
Light Efficient Design

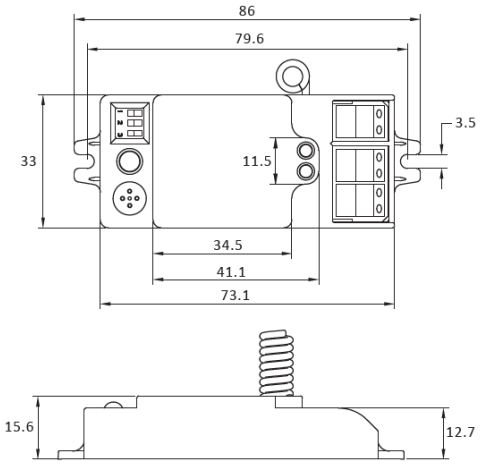
RETROFIT KITS

LEDCR G2 & LEDSR G2

SENSOR OPTIONS: OCCRF (SIMPLE GROUPING SENSOR)

- OCCRF - Standard high/low motion sensor.
  Remote: IR13





- Simple grouping motion sensor w/ daylight hold-off.
- Powered by 12V DC - provided by the LED power supply.
- Max 150 ft. grouping range.
- Ideal for stairways, parking garages & hallways.
- Grouping by remote or dip switch (infared remote control sold separately).
- Uses less than 0.1W in standby mode.

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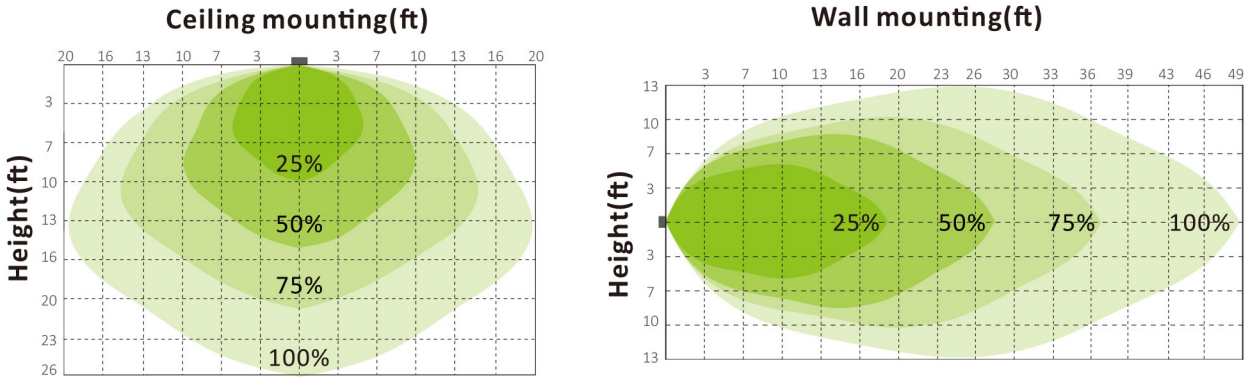
DETECTION PATTER OCCRF

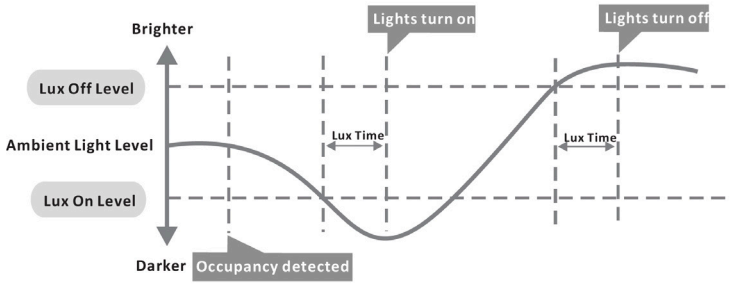


DAYLIGHT MONITORING FUNCTION

This sensor can tell the difference between natural light and artificial light (lamp) from behind the diffuser, switch on automatically (even without movements) when the ambient light is below the target value, and then switch off automatically whenever the artificial light is not required (ambient light is bright enough).

Note: Lux-Off sampling time - 30s; Lux-On sampling time - 10s

Lux-On function will only opperate without motion when standby is set to + ∞.



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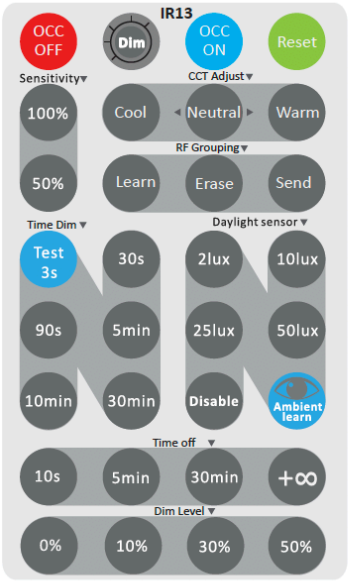
OCC OFF function

Press “OCC OFF” button, the motion sensor will be disabled.

*press “OCC ON” , “Reset” or “Ambient” to re-activate the motion sensor.



Dim

Press “Dim” button to automatically dim up or down the light brightness during hold-time from 10% to 100%. Another press to lock it down when desired brightness is achieved.

*After desired brightness is locked down, if user wants to dim again reversely, just press the “Dim” button again and then lock down the new brightness again.

OCC ON function

Press “OCC ON” button, the sensor starts to work and all settings remain the same as the latest status before the light was switched on / off.

Reset function

Press “Reset” button, all sensor settings go back to factory default settings.

* Factory default setting:

Sensitivity=100%
Daylight sensor=disable
Hold time=90s
Twilight time=5min
Twilight level=10%
CCT=Neutral

Ambient learn

Press “Ambient learn” button, the latest surrounding lux value overwrites previous lux value learned, and set as the daylight threshold. This feature enables the fixture to function well in any real application circumstance.

Note:

- The buzzer short beeps (~0.5s) ONCE when sensor successfully receives RC signal after pressing any buttons except for“Ambient learn”.
- The buzzer short beeps (~0.5s) TWICE to start learning ambient lux after pressing “Ambient learn” Then followed by a long beep (~1s) to indicate the success of ambient learning.
- When“twilight level”set at 0%, it becomes ON/OFF control.
- Function zone of “CCT Adjust” is invalid for this model.

Test mode

“Test mode”is for testing purpose only, for users to check the functionality and choose the desired detection range. The sensor goes to test mode automatically after pressing this button.

Users can quit this mode by pressing “ON/OFF”, “Reset”, or any button of “Hold time”. The sensor settings are changed accordingly.

*Test mode defaulted settings--
Daylight sensor=disable
Hold time=3s
Twilight time=N/A
Twilight level=N/A

In this mode, when used for on/off control, after motion detected, sensor enters into a cycle of 3s on and 2s off.

In this mode, when used for tri-level dimming control, after motion detected, sensor enters into a cycle of 3s on and 2s off (0.5s soft off + 1.5s off).

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RETROFIT KITS

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SENSOR OPTIONS: OCCRF (SIMPLE GROUPING SENSOR)

RF Grouping (via remote control)

Learn — Short press “Learn” button to the receiver unit to start grouping mode, the receiver unit will beep quickly (every second for 3min). This grouping mode will last for 3min, second short press on it will quit the grouping mode.

Send — Short press “Send” button to the commander unit, it will beep once to start a 5s RF signal sending, and then beep twice to indicate finish of it. After receiving the RF signal, the receiver unit will beep 1s to indicate the success of grouping.

Erase — Long press “Erase” button for 5s to the sensor unit, it will long beep once, to indicate the success of erasing.

Note:

1. If you want the sensor to work as both commander and receiver , you need to repeat the “learn” and “send” process again with the identification exchanged.
2. Each receiver can learn up to max. 32 commanders, commanders added beyond 32pcs will automatically substitute earlier ones.
3. Before using the remote control for grouping, you have to position the grouping DIP switch at OFF - OFF - OFF. (default from factory)

Steps for grouping with remote control:

Fast RF Grouping (via DIP switch)

By simply selecting the same channel on each sensor unit, the grouping is quickly and automatically completed. Totally 7 channels are available for fast grouping.

*Channel OFF - OFF - OFF is not for fast grouping, it is for remote control grouping only.

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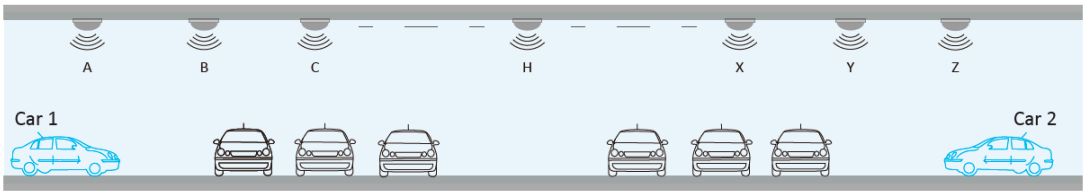
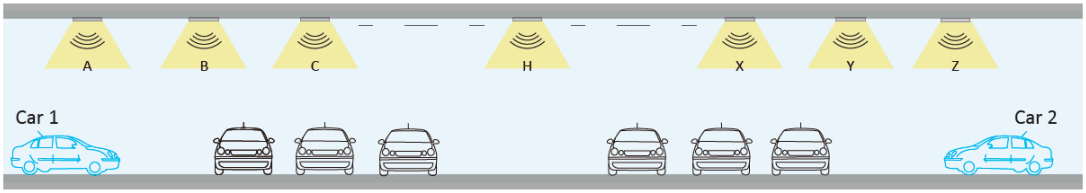
SENSOR OPTIONS: OCCRF (SIMPLE GROUPING SENSOR)

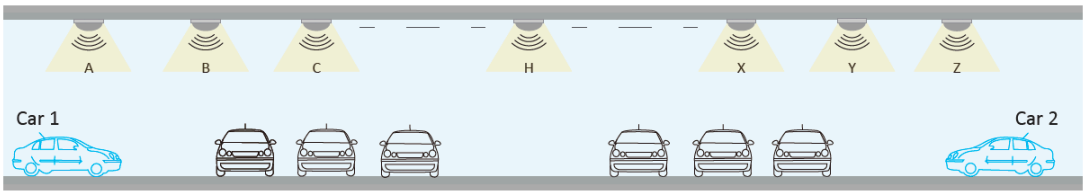
ILLUSTRATION FOR TYPICAL PARKING GARAGE APPLICATION



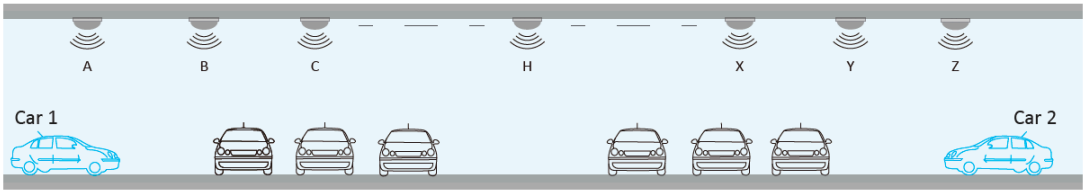
With sufficient daylight, sensor will not be triggered by motion, all lamps are off.



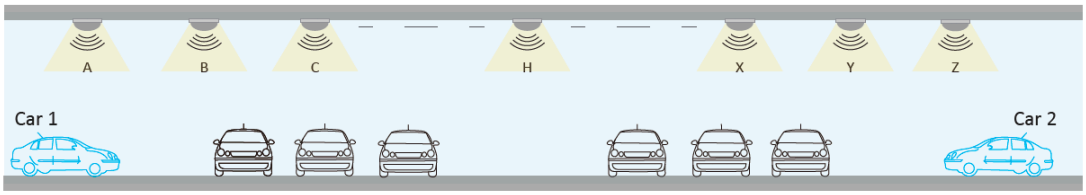
With insufficient natural light, either car 1 or car 2 enters the garage, sensor A or Z will be triggered on, and send RF signal simultaneously to all grouped sensors, all lamps will be 100% ON.



After the hold-time, the whole grouped lamps will dim to pre-defined dimming level (e.g., 10%) if no further movement detected.



The whole grouped lamps will switch off automatically after the stand-by period if no further movement detected.



Thanks to the daylight monitoring function, even no movement detected, the sensor will automatically switch on the lamp to pre-defined stand-by dimming level (e.g., 10%), as long as the natural light is below pre-defined lux threshold. (to achieve this unique function stand-by period of the sensor has to be set at +∞).

*Note:

1. The RF transmission is a triggering signal only to activate the grouped sensors, each sensor will act based on their own settings.
2. Thanks to the Dual-processor technology, the built-in daylight sensor will shut off the lamp in real time regardless of any movements as long as the detected natural light is higher than pre-defined lux threshold.

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