

SURFACE MOUNT DRUM FIXTURES G2 LED CR G2 LIGHT ENGINE



WARRANTY



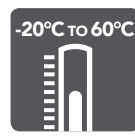
VOLTAGE



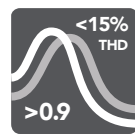
DIMMING



EFFICACY
(LIGHT ENGINE)



OPERATING TEMP



PWR FACTOR/THD



CRI



*OPTIONAL EMG
BATTERY BACKUP



RATED LIFE

future-proof & flexible drums



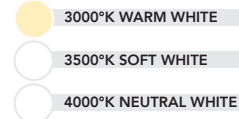
all powered by the
LED CR G2 light engine

- Choose from 5 fixture styles with multiple diameters.
- Flexible: FlexWatt allows you to select between 4 wattages & FlexColor between 3 colors... all in the same fixture!
- Future-proof: Powered by easily replaceable & upgradeable LED CR G2 light engine.
- Optional emergency battery back-up and/or control options.

flexWATT
STANDARD



flexCOLOR



flexCONTROL
OPTIONAL

ORDER CONTROL READY,
BASIC CONTROL OR LG
ADVANCED CONTROL

DEFAULT CONFIGURATIONS

PART #	UPC	DESCRIPTION	WATTAGE	LUMENS	LPW	CCT (K)
RP-DRU-11N-14L-40K-WC-G2-A	844006022617	11IN UTILITY DRUM	6/10/16/22	780-3124	130-142	3000/3500/4000
RP-DRU-11N-14L-40K-WC-G2-OC1-A	844006022631	11IN UTILITY DRUM WITH HIGH/LOW MOTION SENSOR	6/10/16/22	780-3124	130-142	3000/3500/4000
RP-DRU-14N-14L-40K-WC-G2-A	844006022624	14IN UTILITY DRUM	6/10/16/22	780-3124	130-142	3000/3500/4000
RP-DRU-14N-14L-40K-WC-G2-OC1-A	844006022648	14IN UTILITY DRUM WITH HIGH/LOW MOTION SENSOR	6/10/16/22	780-3124	130-142	3000/3500/4000
RP-DRD-14N-14L-40K-WC-G2-A	844006040673	14IN DESIGNER DRUM	6/10/16/22	780-3124	130-142	3000/3500/4000
RP-DRD-14N-14L-40K-WC-G2-OC1-A	844006040680	14IN DESIGNER DRUM WITH HIGH/LOW MOTION SENSOR	6/10/16/22	780-3124	130-142	3000/3500/4000
RP-DRD-18N-14L-40K-WC-G2-A	844006040697	18IN DESIGNER DRUM	6/10/16/22	780-3124	130-142	3000/3500/4000
RP-DRD-18N-14L-40K-WC-G2-OC1-A	844006040703	18IN DESIGNER DRUM WITH HIGH/LOW MOTION SENSOR	6/10/16/22	780-3124	130-142	3000/3500/4000

Default settings are above in bold. See pages 2 and 3 for additional styles, lumen packages, color temperatures and options.

* EMG is not available inside of DRT (tough drum) and DRG (glass drum)




Light Efficient Design

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SURFACE MOUNT DRUM FIXTURES G2 LED CR G2 LIGHT ENGINE

PART NUMBER BUILDER

MFR	PRODUCT	SIZE	LUMENS	COLOR	FUNCTION	GEN	OPTIONS	REV-A
RP					WC	G2		
	DRU=UTILITY DRUM DRD=DESIGNER DRUM DRO=OUTDOOR DRUM DRT=TOUGH DRUM DRG=GLASS DRUM	11N/14N 14N/18N 12N 13N 15N N = INCHES	8L 14L 23L 31L	30K = 3000K, 85CRI 35K = 3500K, 85CRI 40K = 4000K, 85CRI	WC= FlexWatt + FlexColor		OCC=high/low motion sensor EMG=90 min emergency battery backup* LVD=120-277V line voltage dimming †. * Not available on the Tough Drum and Glass Drum † Must specify wattage	

ORDERING EXAMPLE

RP-DRU-11N-8L-830-WC-G2

Default lumen package (wattage and CCT) are shown below in bold. There are two ways to achieve a non-default lumen package and/or CCT:

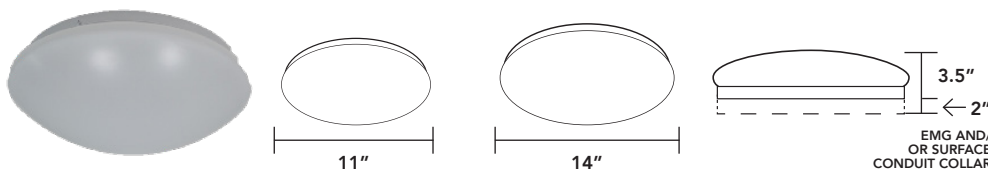
1. You can easily adjust in field via our FlexWatt and FlexColor internal switches. 2. Have us adjust the FlexWatt and FlexColor at the factory for an additional charge.

EFFICIENCY/ELECTRICAL DATA

LUMEN SELECTION	CCT SELECTION		
	830	835	840
8L	780LM, 6W	780LM, 6W	816LM, 6W
14L	1370LM, 10W	1440LM, 10W	1370LM, 10W
23L	2256LM, 16W	2240LM, 16W	2352LM, 16W
31L	2970LM, 22W	3080LM, 22W	3124LM, 22W

ORDERING GUIDE (Default part numbers listed below. Please Use the part number builder for additional configurations.)

DRU - UTILITY DRUM 11" OR 14"



- Flexible lens made from high transmission, UV blocking acrylic plastic.
- Thick metal, white painted base.
- Lens attaches to metal base via twist lock - no tools required.
- Available in 11in and 14in diameters.

CASE QTY	QUICK SHIP	ENERGY STAR	DEFAULT PART #	UPC	DESCRIPTION	WATTAGE	LUMENS	LPW	CCT (K)
1	●	●	RP-DRU-11N-14L-40K-WC-G2-A	844006022617	11IN UTILITY DRUM	6/10/16/22	780-3124	130-142	3000/3500/4000
1	●	●	RP-DRU-11N-14L-40K-WC-G2-OC1-A	844006022631	11IN UTILITY DRUM WITH HIGH/LOW MOTION SENSOR	6/10/16/22	780-3124	130-142	3000/3500/4000
1	●	●	RP-DRU-14N-14L-40K-WC-G2-A	844006022624	14IN UTILITY DRUM	6/10/16/22	780-3124	130-142	3000/3500/4000
1	●	●	RP-DRU-14N-14L-40K-WC-G2-OC1-A	844006022648	14IN UTILITY DRUM WITH HIGH/LOW MOTION SENSOR	6/10/16/22	780-3124	130-142	3000/3500/4000

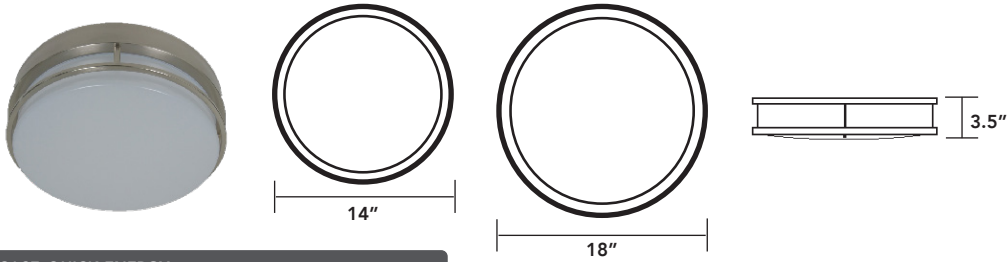
Default lumen package (wattage and CCT) are bold.



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SURFACE MOUNT DRUM FIXTURES G2 LED CR G2 LIGHT ENGINE

DRD - DESIGNER DRUM 14" OR 18"

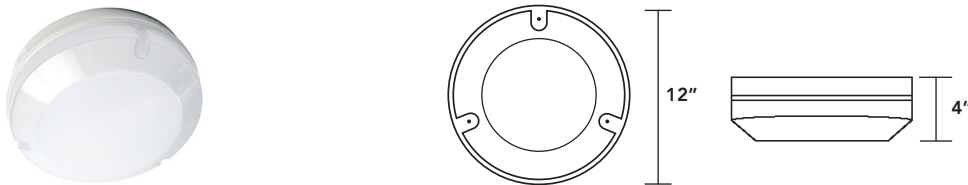


- Flexible lens made from high transmission, UV blocking acrylic plastic.
- Thick metal base, brushed nickel plated base, trim rings and hardware.
- Available in 14.5in and 18in diameters.
- Contact us for custom paint colors such as white, brass or bronze.

CASE QTY	QUICK SHIP	ENERGY STAR	DEFAULT PART #	UPC	DESCRIPTION	WATTAGE	LUMENS	LPW	CCT (K)
1	●	●	RP-DRD-14N-14L-40K-WC-G2-A	844006040673	14IN DESIGNER DRUM	6/10/16/22	780-3124	130-142	3000/3500/ 4000
1	●	●	RP-DRD-14N-14L-40K-WC-G2-OC1-A	844006040680	14IN DESIGNER DRUM WITH HIGH/LOW MOTION SENSOR	6/10/16/22	780-3124	130-142	3000/3500/ 4000
1	●	●	RP-DRD-18N-14L-40K-WC-G2-A	844006040697	18IN DESIGNER DRUM	6/10/16/22	780-3124	130-142	3000/3500/ 4000
1	●	●	RP-DRD-18N-14L-40K-WC-G2-OC1-A	844006040703	18IN DESIGNER DRUM WITH HIGH/LOW MOTION SENSOR	6/10/16/22	780-3124	130-142	3000/3500/ 4000

Default lumen package (wattage and CCT) are bold.

DRO - OUTDOOR DRUM 12"



- Vandal resistant and watertight/wet-rated.
- Strong rigid lens made from high transmission, UV blocking polycarbonate .
- Strong white polycarbonate base.
- Available in 12in diameter.

CASE QTY	QUICK SHIP	ENERGY STAR	DEFAULT PART #	UPC	DESCRIPTION	WATTAGE	LUMENS	LPW	CCT (K)
1	●	●	RP-DRO-12N-14L-40K-WC-G2	844006015763	12IN OUTDOOR DRUM	6/10/16/22	780-3124	130-142	3000/3500/ 4000
1	●	●	RP-DRO-12N-14L-40K-WC-G2-OC1	844006019983	12IN OUTDOOR DRUM WITH HIGH/LOW MOTION SENSOR	6/10/16/22	780-3124	130-142	3000/3500/ 4000

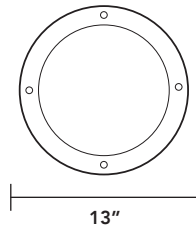
Default lumen package (wattage and CCT) are bold.



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DRT - TOUGH DRUM 13"

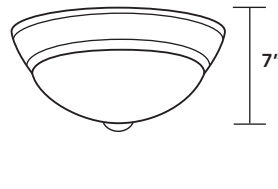
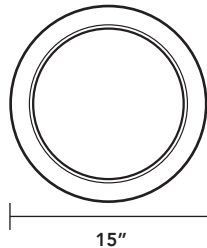


- Vandal resistant and watertight/wet-rated.
- Strong rigid lens made from high transmission, UV blocking polycarbonate.
- Thick metal, black painted base, trim rings and hardware.
- Available in 13in diameter. Contact us for custom paint colors such as white, brass or bronze.

CASE QTY	QUICK SHIP	ENERGY STAR	DEFAULT PART #	UPC	DESCRIPTION	WATTAGE	LUMENS	LPW	CCT (K)
1	•	•	RP-DRT-13N-14L-40K-WC-G2	844006015794	13IN TOUGH DRUM	6/10/16/22	780-3124	130-142	3000/3500/ 4000
1	•		RP-DRT-13N-14L-40K-WC-G2-OC1	844006010492	13IN TOUGH DRUM WITH HIGH/LOW MOTION SENSOR	6/10/16/22	780-3124	130-142	3000/3500/ 4000

Default lumen package (wattage and CCT) are bold.

DRG - GLASS DRUM 15"



- Diffused glass lens.
- Brushed aluminum finished base and hardware.
- Available in 15in diameter. Contact us for custom paint colors such as white, brass or bronze.

CASE QTY	QUICK SHIP	ENERGY STAR	DEFAULT PART #	UPC	DESCRIPTION	WATTAGE	LUMENS	LPW	CCT (K)
1	•	•	RP-DRG-15N-14L-40K-WC-G2	844006010508	15IN GLASS DRUM	6/10/16/22	780-3124	130-142	3000/3500/ 4000
1	•		RP-DRG-15N-14L-40K-WC-G2-OC1	844006010515	15IN GLASS DRUM WITH HIGH/LOW MOTION SENSOR	6/10/16/22	780-3124	130-142	3000/3500/ 4000

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SURFACE MOUNT DRUM FIXTURES G2 LEDCR G2 LIGHT ENGINE



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.

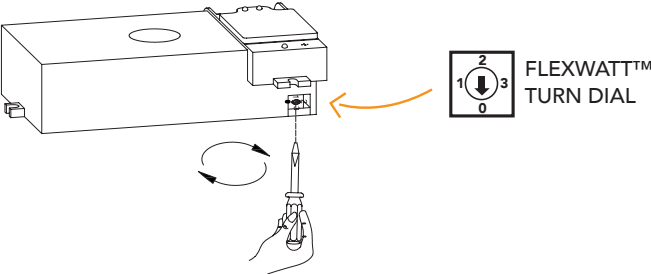
WHAT ARE THE WATTAGE CHOICES?

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.



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.

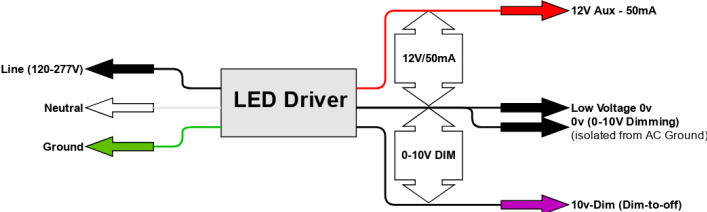
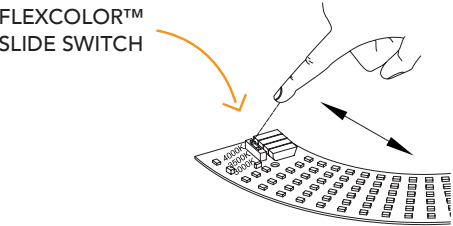
WHAT ARE THE COLOR CHOICES?

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.



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

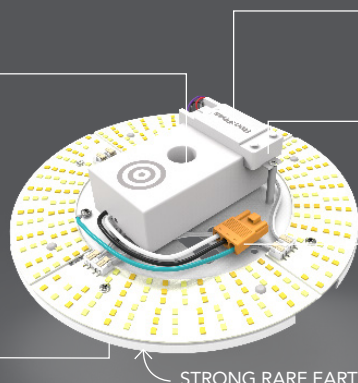


SURFACE MOUNT DRUM FIXTURES G2 LED CR G2 LIGHT ENGINE

CUT-OUT IN CENTER OF DRIVER
ALLOWS FOR THREADED RODS

INCOMING POWER QUICK DISCONNECT
LOCATED ON TOP OF CHASSIS FOR
EASY AND SAFE WIRING.

MULTIPLE CHASSIS CUT-OUTS FOR
FLEXIBLE WIRING OPTIONS



OPTIONAL INTEGRATED HIGH/LOW MOTION AND DAY-
LIGHT SENSOR. COMPLETELY ADJUSTABLE AND HIDDEN
BEHIND THE FIXTURE LENS

5KVA DRIVER HOUSING. MEETS UL1598C REGULATIONS

CURVED LED BOARDS CAN EXPAND TO
FIT SMALL TO LARGE FIXTURES

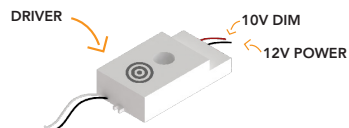
KEYHOLE SLOTS AND MULTIPLE HOLES FOR
FLEXIBLE MOUNTING OPTIONS

STRONG RARE EARTH MAGNETS FOR EASY INSTALLATION



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



We partner with Magnum, avion, 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

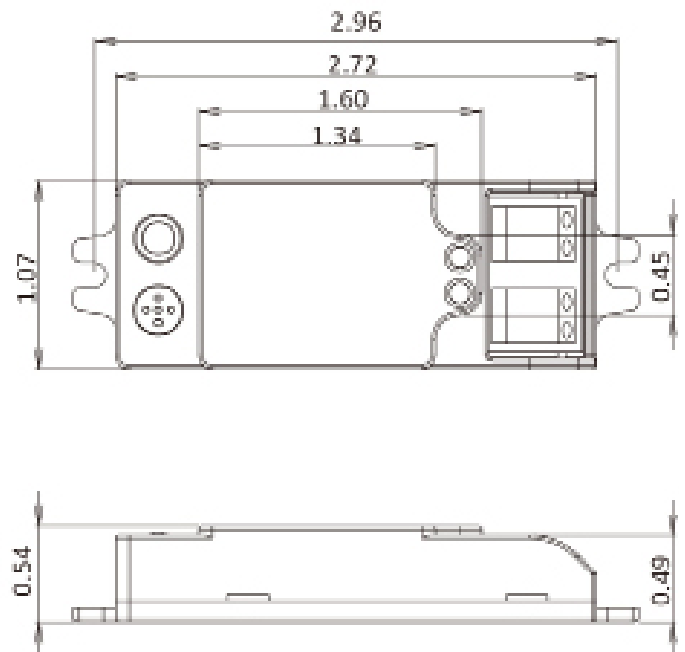
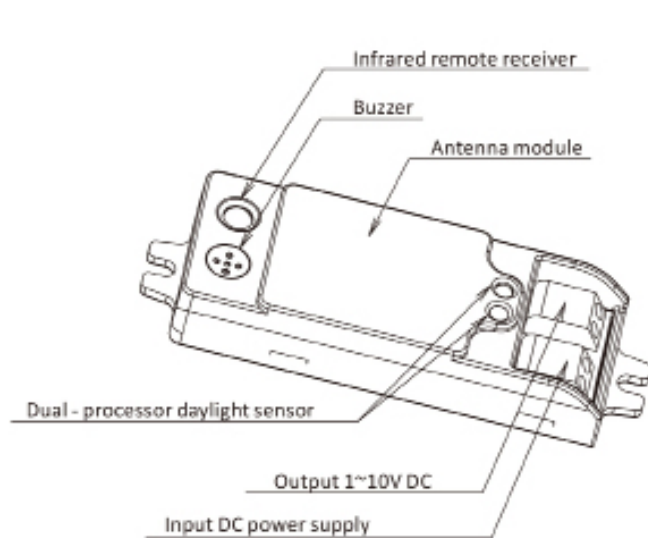


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SURFACE MOUNT DRUM FIXTURES G2 LEDCR G2 LIGHT ENGINE

SENSOR OPTIONS: OCC / OCCLR

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



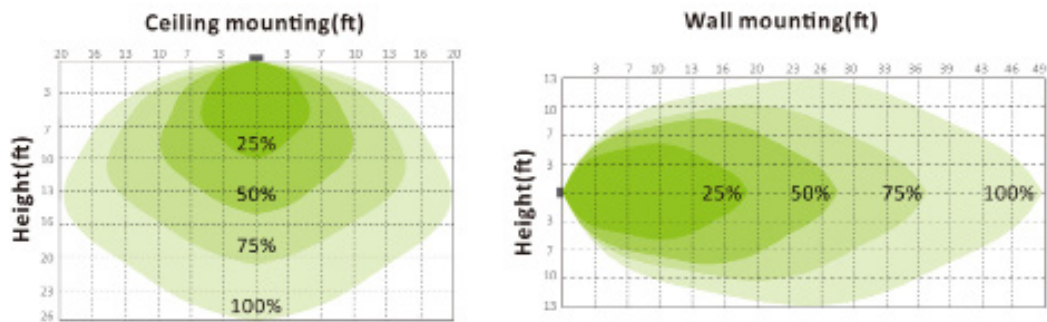
- occupancy sensor w/ daylight hold-off
- powered by 12V DC LED driver from fixture - provided by the LED poer supply
- high frequency radar occupancy sensor
- infrared remote control available (sold separately)
- uses less than 0.1W in standby mode



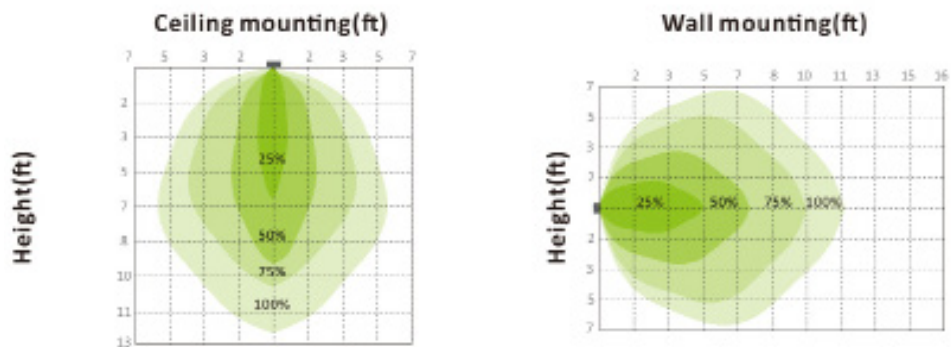
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SURFACE MOUNT DRUM FIXTURES G2 LEDCR G2 LIGHT ENGINE

DETECTION PATTERN OCC (STANDARD OPTION)



DETECTION PATTERN OCCLR (LIMITED RANGE)

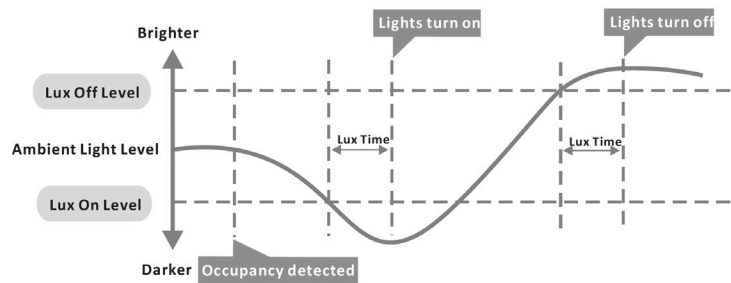


DAYLIGHT MONITORING FUNCTION

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 operate without motion when standby is set to + ∞.



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SURFACE MOUNT DRUM FIXTURES G2 LED CR G2 LIGHT ENGINE

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.



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%



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



Note: IR12

- 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.



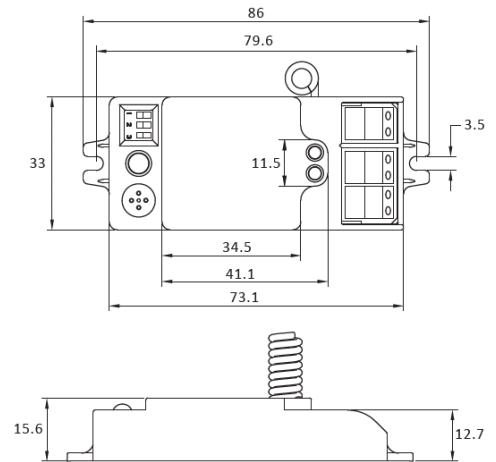
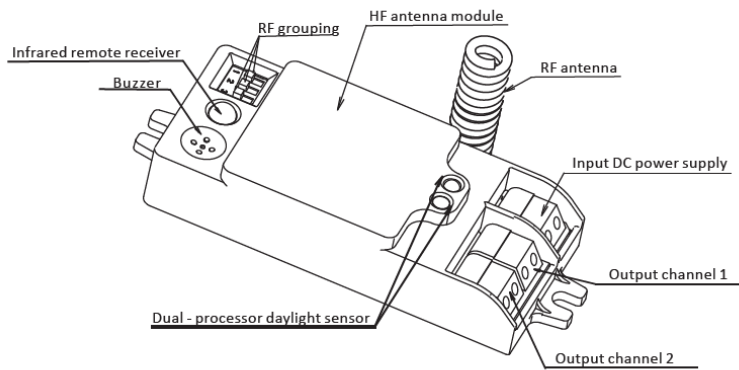
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SURFACE MOUNT DRUM FIXTURES G2 LED CR G2 LIGHT ENGINE

SENSOR OPTIONS: OCCRF (SIMPLE GROUPING SENSOR)

- OCCRF** Simple grouping high/low motion sensor
- Remote IR13



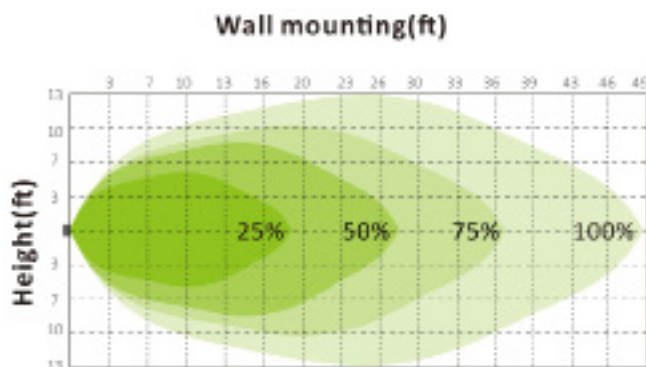
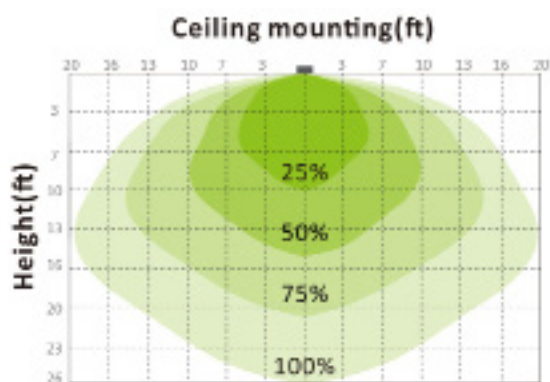
- simple grouping motion sensor w/ daylight hold-off
- powered by 12V DC - provided by the LED power supply
- max 150 ft grouping range
- ideal for stairways, parking garages and hallways
- grouping by remote or dip switch (infrared remote control sold separately)
- uses less than 0.1W in standby mode



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SURFACE MOUNT DRUM FIXTURES G2 LEDCR G2 LIGHT ENGINE

DETECTION PATTERN OCCRF

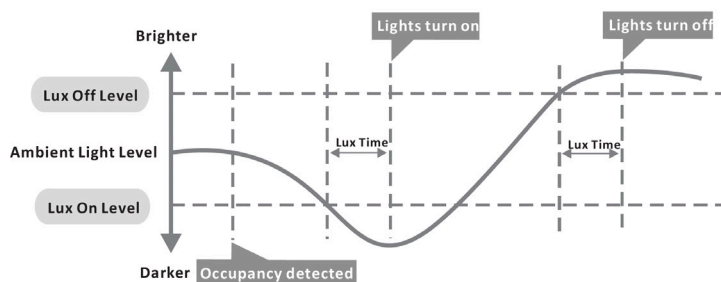


DAYLIGHT MONITORING FUNCTION

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 operate without motion when standby is set to $+\infty$.



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SURFACE MOUNT DRUM FIXTURES G2 LED CR G2 LIGHT ENGINE

SENSOR OPTION: OCCRF (SIMPLE GROUPING SENSOR)

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.

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).



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.

SURFACE MOUNT DRUM FIXTURES G2 LEDCR G2 LIGHT ENGINE



SENSOR OPTION: OCCRF (SIMPLE GROUPING SENSOR)

RF Grouping (via remote control)

-  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.
-  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.
-  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:

Step 1: Press “Learn” button on sensor A



Step 2: Press “Send” button on sensor B



Step 4: Press “Send” button on sensor A



Step 3: Press “Learn” button on sensor B

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.

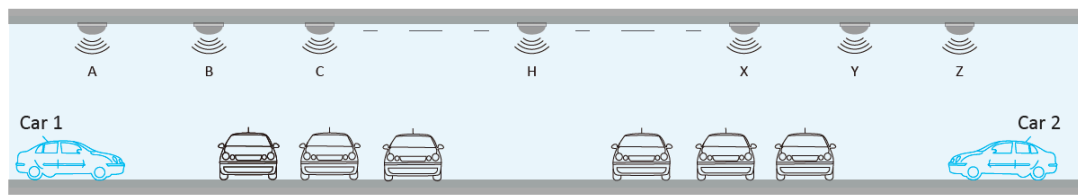


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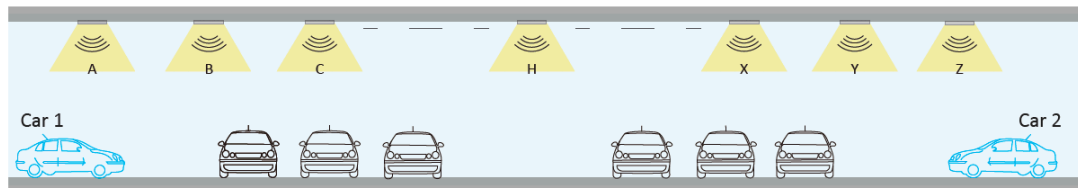
SURFACE MOUNT DRUM FIXTURES G2 LED CR G2 LIGHT ENGINE

SENSOR OPTION: OCCRF (SIMPLE GROUPING SENSOR)

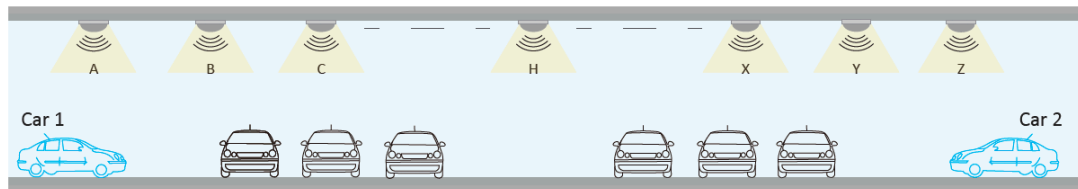
ILLUSTRATION FOR TYPICAL PARKING GARAGE APPLICATION



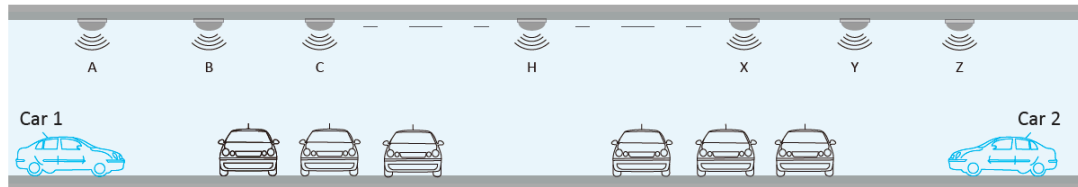
With sufficient daylight, sensor will not be triggered by motion, all lamps are off.



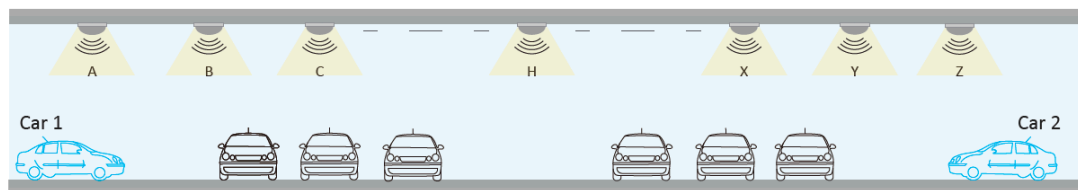
With insufficient natural light, either car 1 or car 2 enters the garage, sensor A or Z will be triggered on, and send RF signal simultaneously to all grouped sensors, all lamps will be 100% ON.



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 $+\infty$).

*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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