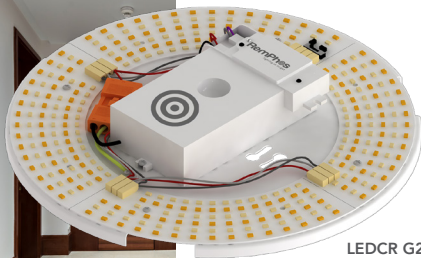




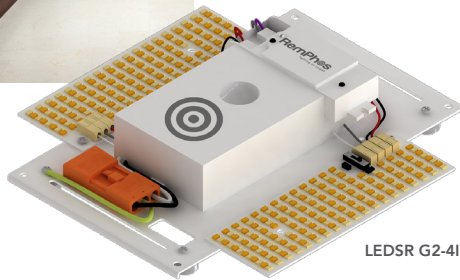
PART #

JOB NAME

TYPE



LEDCR G2-9IN



LEDSR G2-4IN

- Expandable LED Panels to fit larger fixtures (LEDSR-4IN + LEDCR-9IN only)
- Suitable for dry and damp locations
- Adaptable mounting – flexible wiring accommodates various wiring configurations
- Optional emergency battery backup
- Available standard (control-ready) or with **SIMPLE & NETWORK LIGHTING CONTROLS** (see pg. 2 & 6-9)

**SUPERFLEX** SWITCH BETWEEN  
4 WATTAGES & 3 CCTS



SENSOR READY

12V AUX OUTPUT

OPTIONAL NETWORK LIGHTING CONTROL

OPTIONAL SIMPLE OCC

OPTIONAL EMG BATTERY BACKUP

CRI

BEAM ANGLE

OPERATING TEMP

100,000hrs RATED LIFE

PART #	UPC	WATTAGE	LUMENS	CCT
RPT-P-LEDCR-G2-9IN-14L-840-FWFC	844006010676	<b>FLEXWATT</b> 6W/ <b>10W</b> /16W/22W	1370	<b>FLEXCOLOR</b> 3000K/3500K/ <b>4000K</b>
RPT-P-LEDSR-G2-4IN-8L-840-FWFC	844006010690	<b>FLEXWATT</b> <b>6W</b> /9W/12W/15W	816	
RPT-P-LEDSR-G2-9IN-8L-840-FWFC	844006010713			
RPT-P-LEDSR-G2-14INE-8L-840-FWFC	844006010737			
RPT-P-LEDSR-G2-14INM-8L-840-FWFC	844006010751			

DEFAULT WATTAGE AND CCT ARE SHOWN IN BOLD.





### PART NUMBER BUILDER

MFR	CLASS	PRODUCT	GENERATION	SIZE	LUMENS	CCT	FUNCTION	CONTROLS	EMG	AA
RPT	P		G2			8XX	FWFC		EMG	
		CR SR		4IN 9IN 14INE (DRIVER LOCATION, END) 14INM (DRIVER LOCATION, MIDDLE)	<b>8L,14L, 23L,31L (CR)</b> <b>8L,14L, 17L,21L (SR)</b>	8=85 CRI  XX=CCT 30=3000K 35=3500K 40=4000K	FWFC = FLEXWATT + FLEX COLOR	-OCC -OCLR -OCBT -BT -BTX	4W - 500 LUMENS @ 90 MIN - SHIPS SEPARATELY	-AA = AARA SECTION 1605  BLANK = STANDARD

ORDERING EXAMPLE: RPT-P-LEDCR-G2-9IN-14L-840-FWFC-OCC

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 the field via our FlexWATT and FlexCOLOR internal switches. 2. Have us adjust the FlexWATT and FlexCOLOR at the factory for an additional charge.



EMERGENCY BATTERY BACKUP OPTIONS CAN ALSO BE ORDERED SEPARATELY. SEE PAGES 7 & 8 FOR MORE INFORMATION. OR SCAN QR CODE FOR FULL FULHAM EMG SPEC SHEET.

### CONTROL OPTIONS

#### SIMPLE LIGHTING CONTROLS



#### NETWORK LIGHTING CONTROLS



#### -OCC

MICROWAVE AND  
DAYLIGHT HARVESTING  
OCCUPANCY SENSOR  
IR12 REMOTE



#### -OCLR

LIMITED-RANGE MICROWAVE  
AND DAYLIGHT HARVESTING  
OCCUPANCY SENSOR  
IR12 REMOTE



#### -OCBT

SILVAIR-READY BLUETOOTH  
MICROWAVE AND DAYLIGHT  
HARVESTING OCCUPANCY SENSOR  
IR12 REMOTE & SILVAIR APP



IR REMOTE SETS SENSOR RANGE

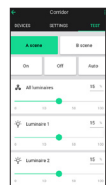
#### -BT

SILVAIR-READY  
BLUETOOTH  
CONTROL NODE  
SILVAIR APP



#### -BTX

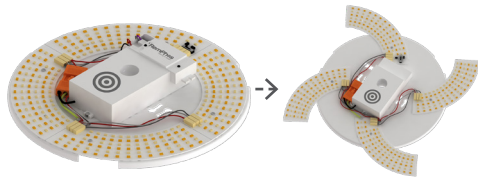
SILVAIR-READY BLUETOOTH  
CONTROL NODE W/  
EXTERNAL ANTENNA  
SILVAIR APP



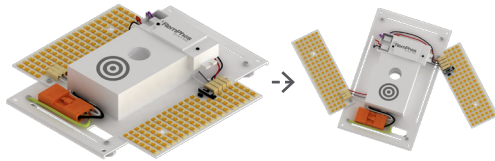
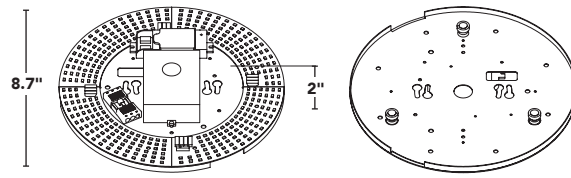
Light Efficient Design/RemPhos has partnered with Silair to offer fixtures and retrofits w/ a wireless Bluetooth-mesh eco-system. Silair is listed on the DLC NLC QPL certified to Technical Requirements Version 5.1. Our Silair controls meet all eligibility criteria of integral, fixture-mounted, addressable sensors with motion and photocell/ambient light-sensing capabilities, along with embedded programming that can be configured and networked. System can control motion response, illumination levels, and scheduling.



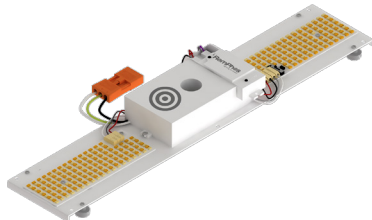
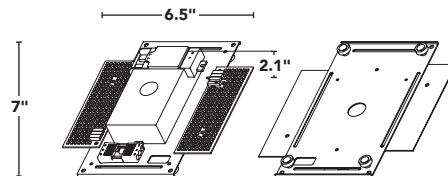
PART #	UPC	WATTAGE	LUMENS	LPW	CCT	QUICK SHIP	ENERGY STAR
RPT-P-LEDCR-G2-9IN-8L-830-FWFC		6W	780	130	3000K		✓
RPT-P-LEDCR-G2-9IN-8L-835-FWFC					3500K		✓
RPT-P-LEDCR-G2-9IN-8L-840-FWFC			816	136	4000K		✓
RPT-P-LEDCR-G2-9IN-14L-830-FWFC		10W	1370	137	3000K		✓
RPT-P-LEDCR-G2-9IN-14L-835-FWFC			1440	144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



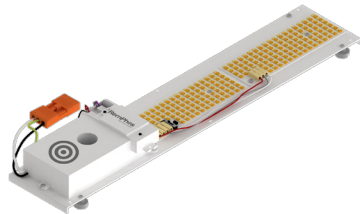
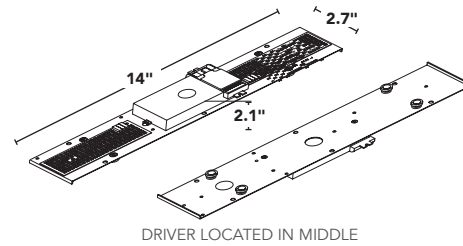
LEDCR-G2-9IN (EXPANDABLE LED BOARDS)



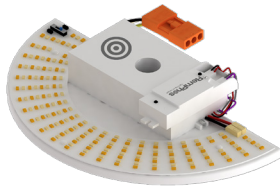
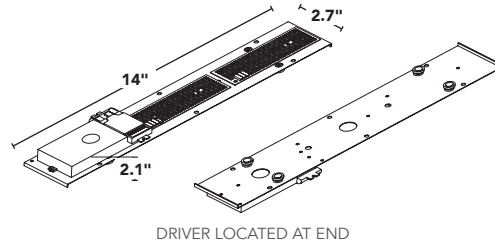
LEDSR-G2-4IN (EXPANDABLE LED BOARDS)



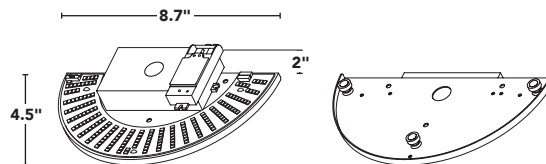
LEDSR-G2-14INM (FIXED LED BOARDS)



LEDSR-G2-14INE (FIXED LED BOARDS)



LEDSR-G2-9IN (FIXED LED BOARDS)



### RETROFIT THESE FIXTURES & MORE



SURFACE MOUNT



VANITY/LINEAR



WALL MOUNT





### FLEXWATT™ TECHNOLOGY

#### 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.

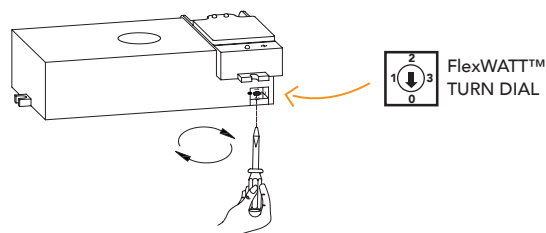


FLEXWATT TURN DIAL POSITION

STYLE	0	1	2	3
LEDCR	6W (8L)	10W (14L)	16W (32L)	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™ TECHNOLOGY

#### HOW DOES IT WORK?

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

#### WHAT ARE THE COLOR CHOICES?

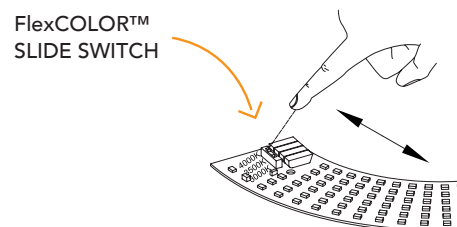
- 3000K, 3500K, and 4000K. Please reference this table and the ordering guide on the last page of the cut sheet.

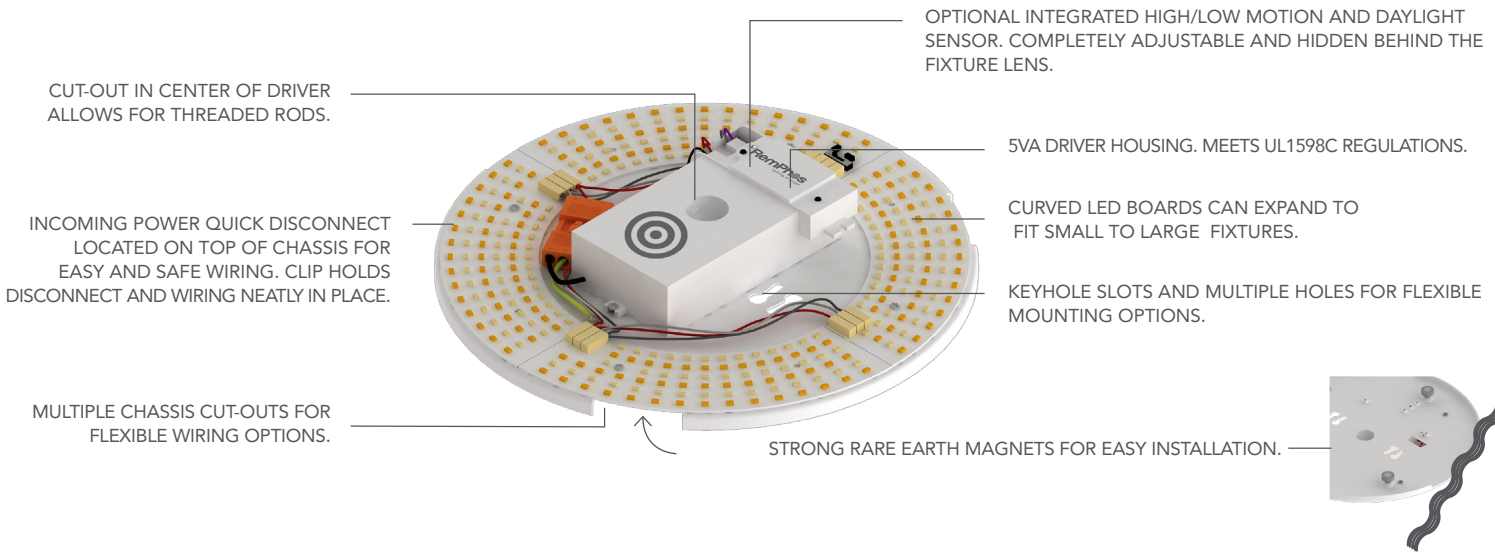


3000K	3000°K WARM - TOP
3500K	3500°K NEUTRAL - MIDDLE
4000K	4000°K NEUTRAL - BOTTOM

#### HOW EASY IS IT TO SET?

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





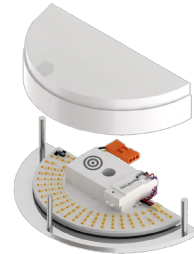
EASILY RETROFIT THESE FIXTURE STYLES AND MORE!



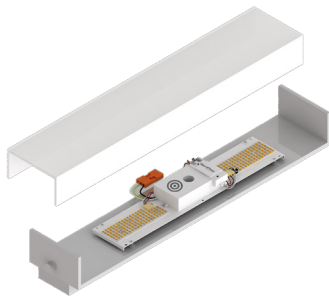
LEDCR-G2-9IN/SURFACE MOUNT



LEDCR-G2-9IN/SURFACE MOUNT



LEDSR-G2-9IN/SCONCE



LEDSR-G2-14INM/VANITY + LINEAR



LEDSR-G2-14INE/VANITY + LINEAR



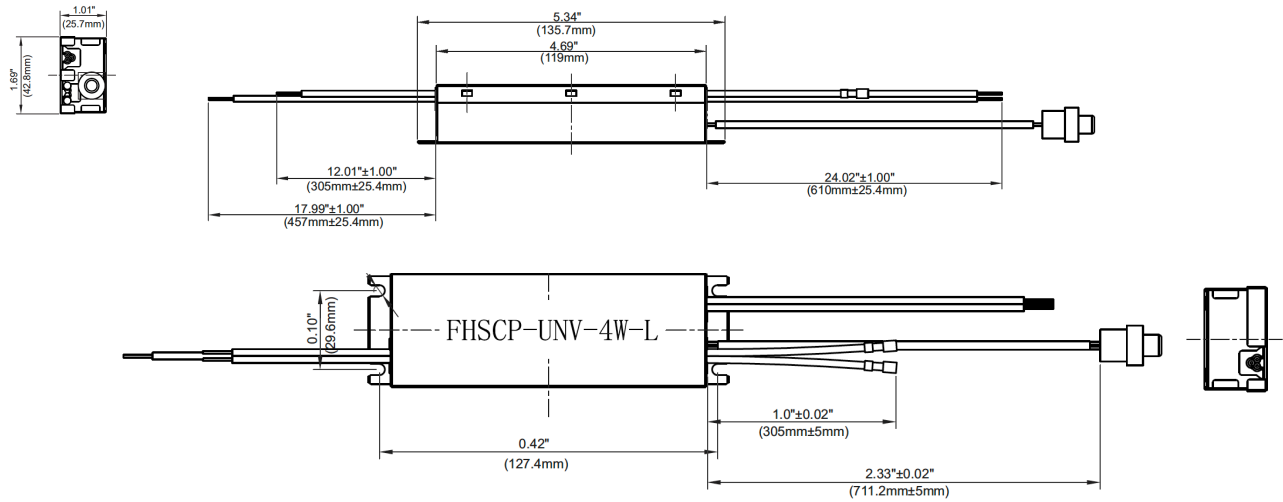
LEDSR-G2-4IN/SCONCE



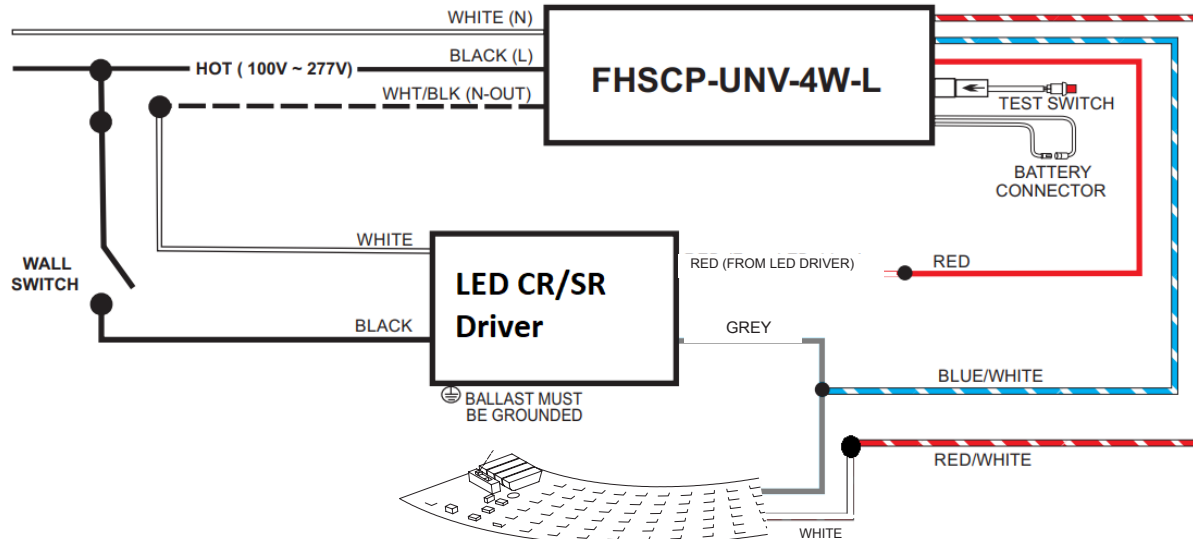
TURNS ON WHEN POWER GOES OFF



### EMG DRIVER DIMENSIONS



### EMG WIRING DIAGRAM





PRODUCT SPEC	INFORMATION
INPUT VOLTAGE / FREQUENCY	120-277V~ , 50/60Hz
INPUT CURRENT	100mA Max
INPUT POWER	3W
STANDBY POWER	<0.85W
DRIVER TYPE	Constant Power
CURRENT RATED	333mA@12V, 73mA@55V
OUTPUT VOLTAGE RANGE	12-55V
OUTPUT POWER	4W
OUTPUT CLASS	LED Class 2
NUMBER OF OUTPUT CHANNELS	1
TEST SWITCH	Included
PILOT LIGHT	Red Light
BATTERY ON/OFF	Wire + Connector
LOCATION TYPE	Dry Location
INPUT SURGE PROTECTION	Line-Neutral 1kV, Line & Neutral-Ground 2kV
EMERGENCY MODE PROTECTIONS	Battery Over Voltage Protection Battery Under Voltage Protection Battery Hot Plug at Normal Mode Protection Battery Hot Plug at Emergency Mode Protection
RFI/EMI	FCC Part 15 Class A
AMBIENT OPERATING TEMPERATURE RANGE	5°C To 55°C(41°F To 131°F)
BATTERY TYPE	LiFePO4
BATTERY VOLTAGE	6.4V
BATTERY CAPACITY	2Ah Max
BATTERY CHARGE CURRENT	165mA
BATTERY RECHARGE TIME	12 Hours
BATTERY DISCHARGE TIME	Minimum 90 Minutes
SERVICE LIFE	50,000 Hours
WARRANTY	5 Years



## MICROWAVE AND DAYLIGHT HARVESTING OCCUPANCY SENSOR

ADDING **-OCC** TO THE **CR** OR **SR** PART NUMBER UPGRADES THE FIXTURE W/ A FACTORY INSTALLED **SIMPLE CONTROL** UTILIZING A MICROWAVE MOTION SENSOR. IT ALSO COMES EQUIPPED W/ A DAYLIGHT HARVESTING SENSOR TO DIM AND/OR TURN OFF THE **CR** OR **SR** WHEN THE SPACE IS UNOCCUPIED OR SURROUNDING NATURAL LIGHT LEVELS ARE HIGH.



### ATTRIBUTES

DETECTION TECHNOLOGY	MICROWAVE
DETECTION TYPE	OCCUPANCY
SENSOR POWER	12VDC
GROUPABLE	NO
NETWORK LIGHTING CONTROL	NO
COMMISSIONING METHOD	IR REMOTE
REMOTE	IR12
DAYLIGHT HARVESTING	YES
HI OR LOW TRIM	NO
BI-LEVEL DIMMING	YES
NETWORK TECHNOLOGY	NONE
INSTALLATION TYPE	INTERNAL
DLC LISTED	YES
CONTROL CAPACITY	10 FIXTURES

### IR12 REMOTE



Permanent ON/OFF Function

Dim+/-

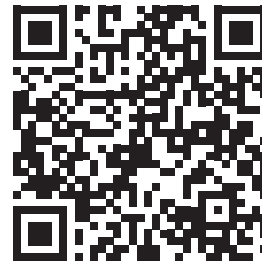
Sensor Mode

Reset Function

Ambient Learn

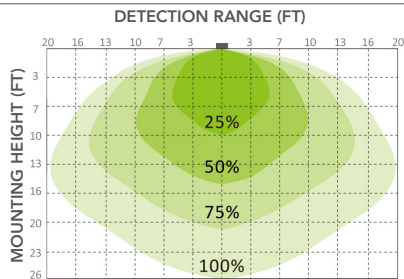
Test Mode

FOR MORE INFORMATION ON THE IR12 REMOTE SCAN BELOW

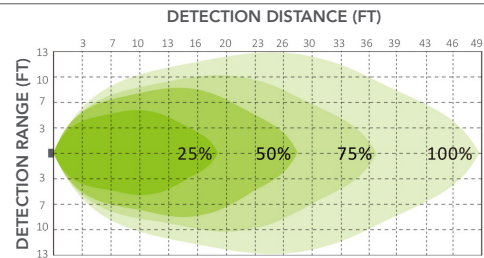


### DETECTION PATTERN / -OCC

#### CEILING MOUNTING



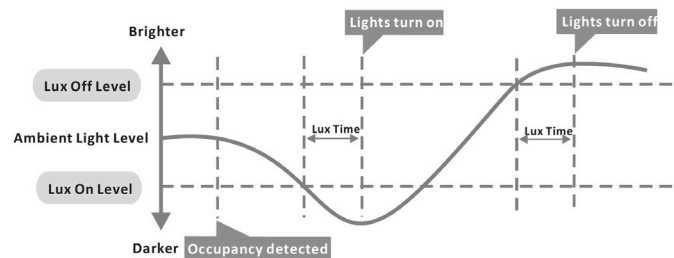
#### WALL MOUNTING



### DAYLIGHT HARVESTING / -OCC

Sensor detects the difference between natural light and artificial light (lamp) from behind the diffuser, switch on automatically (even w/o movements) when the ambient light is below the target value, and switch off automatically whenever the artificial light is not required (ambient light meets target level).

**NOTE** LUX-OFF SAMPLING TIME - 30S. LUX-ON SAMPLING TIME - 10S. LUX-ON FUNCTION WILL ONLY OPERATE WITHOUT MOTION WHEN STAND-BY IS SET TO + ∞.





## LIMITED-RANGE MICROWAVE AND DAYLIGHT HARVESTING OCCUPANCY SENSOR

ADDING **-OCLR** TO THE **CR** OR **SR** PART NUMBER UPGRADES THE FIXTURE W/ A FACTORY INSTALLED **SIMPLE CONTROL** UTILIZING A MICROWAVE MOTION SENSOR. IT ALSO COMES EQUIPPED W/ A DAYLIGHT HARVESTING SENSOR TO DIM AND/OR TURN OFF THE **CR** OR **SR** WHEN THE SPACE IS UNOCCUPIED OR SURROUNDING NATURAL LIGHT LEVELS ARE HIGH.



### ATTRIBUTES

DETECTION TECHNOLOGY	MICROWAVE
DETECTION TYPE	OCCUPANCY
SENSOR POWER	12VDC
GROUPABLE	NO
NETWORK LIGHTING CONTROL	NO
COMISSIONING METHOD	IR REMOTE
REMOTE	IR12
DAYLIGHT HARVESTING	YES
HI OR LOW TRIM	NO
BI-LEVEL DIMMING	YES
NETWORK TECHNOLOGY	NONE
INSTALLATION TYPE	INTERNAL
DLC LISTED	YES
CONTROL CAPACITY	10 FIXTURES

### IR12 REMOTE



Permanent ON/OFF Function

Dim +/-

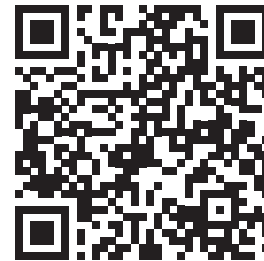
Sensor Mode

Reset Function

Ambient Learn

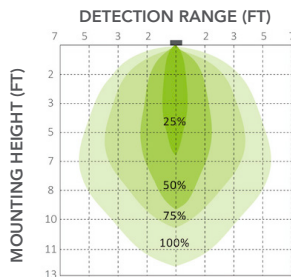
Test Mode

FOR MORE INFORMATION ON THE IR12 REMOTE SCAN BELOW

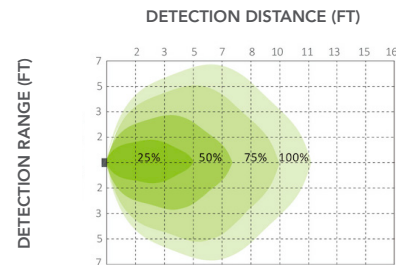


### DETECTION PATTERN / RC-OCLR

#### CEILING MOUNTING



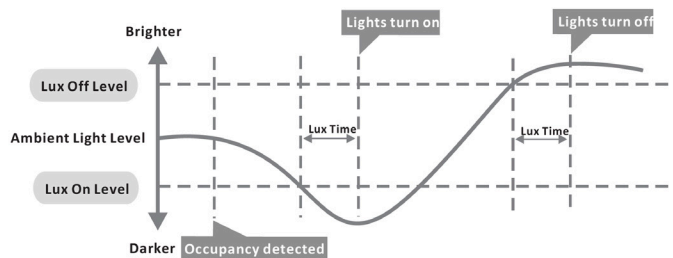
#### WALL MOUNTING



### DAYLIGHT HARVESTING / -OCLR

Sensor detects the difference between natural light and artificial light (lamp) from behind the diffuser, switch on automatically (even w/o movements) when the ambient light is below the target value, and switch off automatically whenever the artificial light is not required (ambient light meets target level).

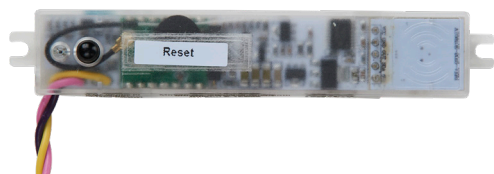
**NOTE** LUX-OFF SAMPLING TIME - 30S. LUX-ON SAMPLING TIME - 10S. LUX-ON FUNCTION WILL ONLY OPERATE WITHOUT MOTION WHEN STANDBY IS SET TO + ∞.





## SILVAIR-READY BLUETOOTH MICROWAVE AND DAYLIGHT HARVESTING OCCUPANCY SENSOR

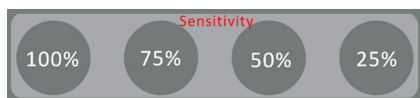
ADDING **-OCBT** TO THE **CR** OR **SR** PART NUMBER UPGRADES THE FIXTURE W/ A FACTORY INSTALLED **NETWORK LIGHTING CONTROL**. ONCE CONNECTED THROUGH THE SILVAIR APP, THE BLUETOOTH MICROWAVE MOTION SENSOR AND DAYLIGHT HARVESTING TECHNOLOGY CAN MAXIMIZE ENERGY SAVINGS.



### ATTRIBUTES

<b>DETECTION TECHNOLOGY</b>	MICROWAVE
<b>DETECTION TYPE</b>	OCCUPANCY / VACANCY
<b>SENSOR POWER</b>	12VDC
<b>GROUPABLE</b>	YES
<b>NETWORK LIGHTING CONTROL</b>	YES
<b>COMMISSIONING METHOD</b>	SILVAIR APP + IR REMOTE FOR RANGE SETTING
<b>REMOTE</b>	IR 12
<b>DAYLIGHT HARVESTING</b>	YES
<b>HI OR LOW TRIM</b>	YES
<b>BI-LEVEL DIMMING</b>	YES
<b>NETWORK TECHNOLOGY</b>	BLUETOOTH
<b>INSTALLATION TYPE</b>	INTERNAL
<b>DLC LISTED</b>	YES + DLC NLC
<b>CONTROL CAPACITY</b>	10 FIXTURES

### IR12 REMOTE

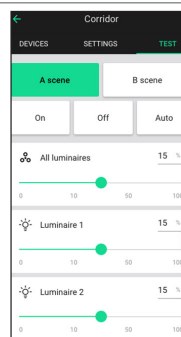


IR REMOTE FOR SENSITIVITY RANGE SETTING ONLY

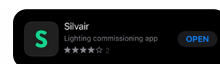


FOR MORE INFO SCAN ABOVE

### SILVAIR APP



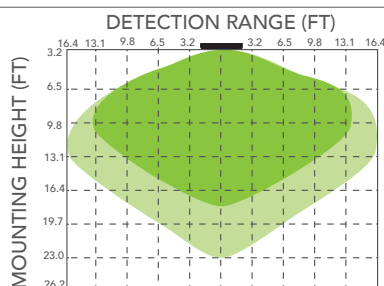
SILVAIR IS A SOFTWARE AND COMMISSIONING APP THAT CONNECTS AND CONTROLS LIGHTING FIXTURES USING BLUETOOTH MESH TECHNOLOGY.



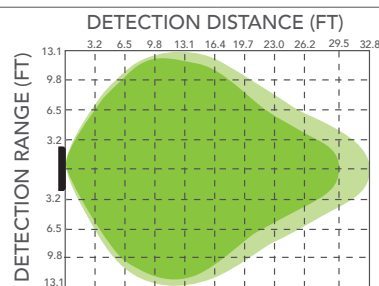
FOR MORE INFO SCAN ABOVE OR SEE PG. 14

### DETECTION PATTERN / -OCBT

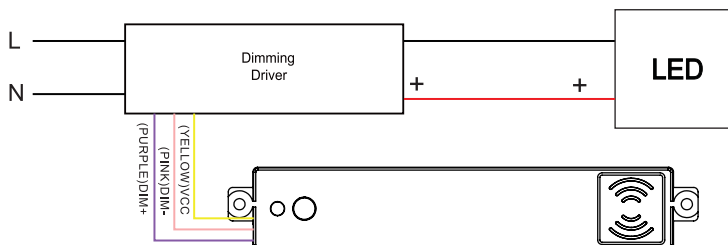
#### CEILING MOUNTING



#### WALL MOUNTING



### WIRING DIAGRAM / -OCBT



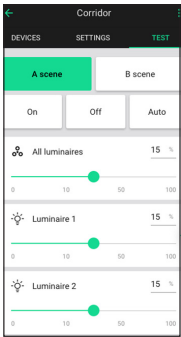
SILVAIR-READY BLUETOOTH CONTROL NODE

ADDING **-BT** TO THE **CR** OR **SR** PART NUMBER UPGRADES THE FIXTURE W/ A FACTORY INSTALLED **NETWORK LIGHTING CONTROL**. CONNECT THROUGH THE SILVAIR APP ON ROBUST BLUETOOTH MESH. CAN BE PAIRED W/ A SWITCH FOR WIRELESS DIMMING CONTROL OR CONNECT TO OTHER FIXTURES WITH SENSORS TO MAXIMIZE COST SAVINGS.

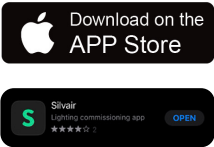


ATTRIBUTES	
DETECTION TECHNOLOGY	NONE
DETECTION TYPE	NONE
SENSOR POWER	12VDC
GROUPABLE	YES
NETWORK LIGHTING CONTROL	YES
COMISSIONING METHOD	NONE
REMOTE	SILVAIR APP
DAYLIGHT HARVESTING	NO
HI OR LOW TRIM	YES
BI-LEVEL DIMMING	NO
NETWORK TECHNOLOGY	BLUETOOTH
INSTALLATION TYPE	INTERNAL
DLC LISTED	YES + DLC NLC

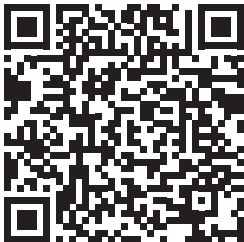
SILVAIR APP



SILVAIR IS A SOFTWARE AND COMMISSIONING APP THAT CONNECTS AND CONTROLS LIGHTING FIXTURES USING BLUETOOTH MESH TECHNOLOGY.



FOR MORE INFORMATION ON THE SILVAIR APP SCAN BELOW OR SEE PG. 14



SILVAIR-READY BLUETOOTH CONTROL NODE W/ EXTERNAL ANTENNA

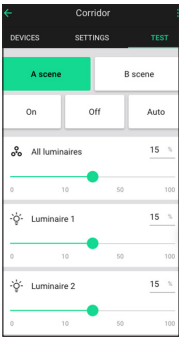
ADDING **-BTX** TO THE **CR** OR **SR** PART NUMBER UPGRADES THE FIXTURE W/ A FACTORY INSTALLED **NETWORK LIGHTING CONTROL**. CONNECT THROUGH THE SILVAIR APP WITH BLUETOOTH MESH TECHNOLOGIES. CAN BE PAIRED W/ A SWITCH FOR WIRELESS DIMMING CONTROL OR CONNECT TO OTHER FIXTURES WITH SENSORS TO MAXIMIZE COST SAVINGS.



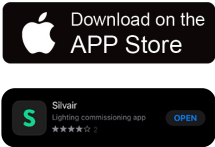
ATTRIBUTES

DETECTION TECHNOLOGY	NONE
DETECTION TYPE	NONE
SENSOR POWER	12VDC
GROUPABLE	YES
NETWORK LIGHTING CONTROL	YES
COMISSIONING METHOD	NONE
REMOTE	SILVAIR APP
DAYLIGHT HARVESTING	NO
HI OR LOW TRIM	YES
BI-LEVEL DIMMING	NO
NETWORK TECHNOLOGY	BLUETOOTH
INSTALLATION TYPE	INTERNAL
DLC LISTED	YES + DLC NLC

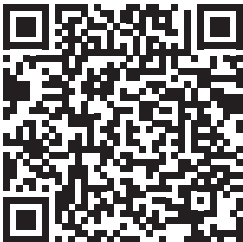
SILVAIR APP



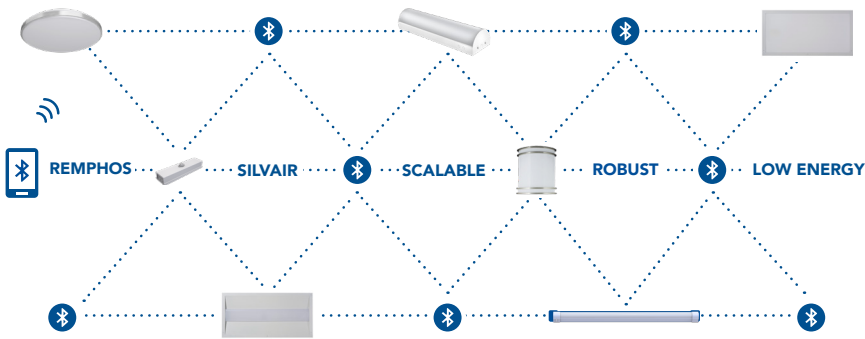
SILVAIR IS A SOFTWARE AND COMMISSIONING APP THAT CONNECTS AND CONTROLS LIGHTING FIXTURES USING BLUETOOTH MESH TECHNOLOGY.



FOR MORE INFORMATION ON THE SILVAIR APP SCAN BELOW OR SEE PG. 14



# RemPhos SILVAIR APP + COMMISSIONING OVERVIEW



## WHAT IS SILVAIR?

Sil vair is a software and commissioning app that connects and controls lighting fixtures using Bluetooth mesh technology.

## HOW DOES IT CONNECT?

Sil vair can be set up in advance through the cloud and the Sil vair portal. It can also be commissioned in the field with the IOS app.

## DOWNLOAD SILVAIR APPS



MOBILE APP Apple App Store  
or  
WEB APP [platform.silvair.com](https://platform.silvair.com)

