

DESCRIPTION

The RKCB Series LED Center Basket Retrofit Kit is the ideal solution for efficient and versatile lighting upgrades. These kits are designed with a two rail mounting system for effortless and quick installation, and are sensor ready with a built in AUX receptacle. They also feature both color and power selectability. The kit allows for power selection between 15W, 20W, and 25W for the 2' x 2' unit, and 30W, 40W, and 50W for the 2' x 4' kit. Both sizes provide CCT options of 3500K, 4000K, and 5000K, ensuring optimal lighting customization for any space from offices to retail. The RKCB Series combines simplicity and adaptability, making it the perfect choice for modern lighting needs.

SPECIFICATIONS

Construction:

- Cold rolled carbon steel enclosure in a white finish
- 2-Rail mounting system makes installation simple
- Retrofit design fits most existing recessed housings

Optics/LEDs:

- Switchable between 3500K, 4000K, and 5000K, switch located outside driver box
- CRI ≥80
- Efficacy up to 146 lumens per watt
- L70 > 50,000hrs

Electrical:

- Universal 120-277VAC, 50/60Hz
- Power Factor > 0.90
- 0-10V Dimming
- Power switchable, 2' x 2' configuration between 15W, 20W and 25W, 2' x 4' configuration between 30W, 40W and 50W. Switch located outside driver box behind the unit

Installation:

- 2-Rail mounting system – installs in minutes
- Fits in most 2' x 2' or 2' x 4' existing housings
- Easily set wattage and CCT during installation using the adjustment switches located outside the driver box
- AUX sensor receptacle built in behind removable lens to accommodate microwave controls

Options:

- Integral battery backup offers up to 1,000 lumens of emergency powered illumination for 90 minutes for path of egress. Rated for temperatures of 0°C to 45°C (32°F to 113°F)

Testing & Compliance:

- cETLus Listed for Damp Locations
- IP20 Rated
- DesignLights Consortium® PREMIUM Qualified
- Operating temperatures: -20°C to 45°C (-4°F to 113°C)

Accessories:

- Microwave motion sensor with daylight harvesting, white finish, 12VDC (SC-MS6M-AUX)
- Remote for SC-MS6M-AUX occupancy sensor (SC-MS6-REMOTE)

WARRANTY

- Five Year Warranty (Terms and Conditions Apply)

Model: _____ Date: _____
 Accessories: _____
 Job Name: _____ Type: _____



Specs At A Glance*		
Model	RKCB-22	RKCB-24
Wattage (W)	15W-20W-25W (Switchable)	30W-40W-50W (Switchable)
Lumens (lm)	2,159 - 3,417	3,987 - 6,686
Efficacy (LPW)	Up to 146	
CCT	3500K-4000K-5000K (Switchable)	
CRI	≥80	
Input Voltage	120-277VAC, 50/60Hz, 0-10V Dimmable	
Operating Temp	-20°C to 45°C (-4°F to 113°C)	
Certifications	cETLus Listed for Damp Locations, DLC PREMIUM	
Warranty	5 Years	

*Nominal Wattage. Tested at 3500K CCT, 125 Lm/W.
 See performance table for more detailed lumen information.

ORDERING INFORMATION (Example: RKCB-22-CP-BB)

Series	Description	Options
RKCB-22-CP	Retrofit Kit LED Center Basket, 2' x 2', Power Switchable 15W/20W/25W, Color Switchable 3500K/4000K/5000K CCT, 120-277VAC, 0-10V Dimming, White Finish	BB = Battery Backup
RKCB-24-CP	Retrofit Kit LED Center Basket, 2' x 4', Power Switchable 30W/40W/50W, Color Switchable 3500K/4000K/5000K CCT, 120-277VAC, 0-10V Dimming, White Finish	

LiteLogic Accessories ¹ (Field installed.)
SC-MS6M-AUX = Microwave Motion Sensor with Daylight Harvesting, White Finish, 12VDC
SC-MS6-REMOTE = Remote for Sensor (SC-MS6M-AUX)

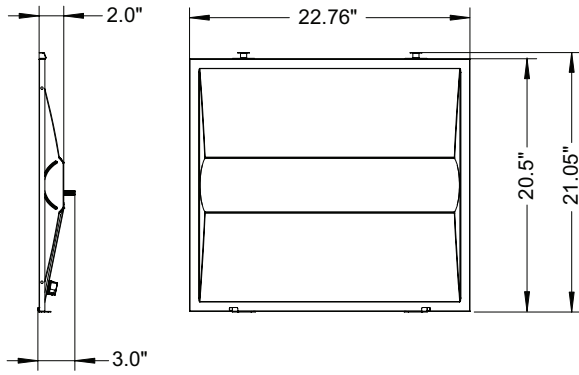
Notes
¹ Order as a separate line item, shipped in a separate box for installation in the field

PERFORMANCE DATA

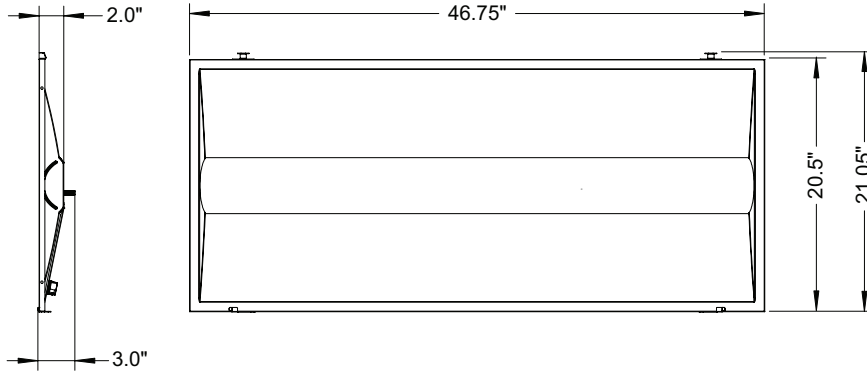
Model	Wattage	CCT	Lumens	LPW	CRI
RKCB-22-CP (15W, 3500K)	15W	3500K	2,159	144	≥80
RKCB-22-CP (15W, 4000K)	15W	4000K	2,196	146	≥80
RKCB-22-CP (15W, 5000K)	15W	5000K	2,166	144	≥80
RKCB-22-CP (20W, 3500K)	20W	3500K	2,699	135	≥80
RKCB-22-CP (20W, 4000K)	20W	4000K	2,799	140	≥80
RKCB-22-CP (20W, 5000K)	20W	5000K	2,739	137	≥80
RKCB-22-CP (25W, 3500K)	25W	3500K	3,336	133	≥80
RKCB-22-CP (25W, 4000K)	25W	4000K	3,417	137	≥80
RKCB-22-CP (25W, 5000K)	25W	5000K	3,325	133	≥80
RKCB-24-CP (30W, 3500K)	30W	3500K	3,987	133	≥80
RKCB-24-CP (30W, 4000K)	30W	4000K	4,116	137	≥80
RKCB-24-CP (30W, 5000K)	30W	5000K	4,198	140	≥80
RKCB-24-CP (40W, 3500K)	40W	3500K	5,229	131	≥80
RKCB-24-CP (40W, 4000K)	40W	4000K	5,406	135	≥80
RKCB-24-CP (40W, 5000K)	40W	5000K	5,476	137	≥80
RKCB-24-CP (50W, 3500K)	50W	3500K	6,460	129	≥80
RKCB-24-CP (50W, 4000K)	50W	4000K	6,686	134	≥80
RKCB-24-CP (50W, 5000K)	50W	5000K	6,726	135	≥80

Specifications are subject to change without notice.
 Installation must be performed in accordance with
 Barron Lighting Group installation instructions.

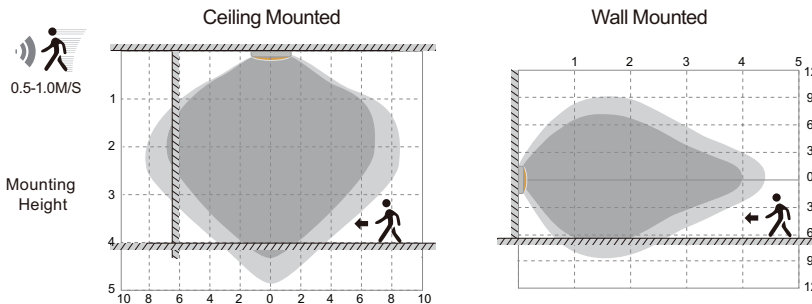
RKCB-22-CP



RKCB-24-CP



SENSOR DETAILS (SC-MS6M-AUX)



Highest mounting height is 4m
This figure indicates the maximum distance at the highest mounting height with 100% sensitivity.

Well Detected Area
Possibly Detected Area

Operation	Settings	Default Settings
Detection Area	25%/50%/75%/100%	100%
Hold Time	Remote control options: 5s/30s/1min/3min/5min/10min/20min/30min	1min
Daylight Threshold	Disable/400Lux/350Lux/300Lux/250Lux/200Lux/120Lux/80Lux/50Lux/30Lux/10Lux/2Lux	Disable
Standby Dimming Level	10%/20%/30%/50%	20%
Standby Period	Remote control options: 0s/10s/30s/1min/5min/10min/30min/60min/+∞	1min
Dusk/Dawn Sensing/Photocell	Daylight threshold as 30Lux/50Lux/80Lux/120Lux/200Lux/250Lux/300Lux/350Lux/400Lux Standby period as +∞ ; Standby dimming level as 10%/20%/30%	
Daylight Harvesting	1. Adjust "daylight" value higher than 50Lux 2. Preset "standby period" 0s 3. Press MW/PIR button 3 times until MW/PIR icons are both blinking, daylight harvesting function is enabled	

SENSOR DETAILS (SC-MS6-REMOTE)



Button	Description	Button	Description	Button	Description
ON/OFF	1. Turn on or off light 2. Exit sensor mode and enter into ON/OFF mode.	Auto	Press this button, enter into sensor mode and perform the last parameter, press this button and Auto Mode will show on LCD screen display, means commands received successfully.	Reset	Press the button to enter into factory settings, means sensor starts to detect motion and turn on light automatically and only keep 5S holdtime then turn off the light.
Scenes	Press the button to choose in 4 optional scenes; parameters can be saved into each scene and directly activate it.	Start	Press the button to start programming; the S icon will appear on the LCD screen, and disappear if no action within 10S, need to press it again.	Memory	Press the button to save the parameters, the M icon will appear on the LCD screen, means parameters saved successfully.
Apply	Press the button to deliver the saved parameters to target sensors.	M H Mounting Height	Press the button to relatively adjust sensitivity from the sensor according to real Pinstallation height, make sensors working more perfectly in the environment.	Send	Press the button to deliver the last parameters, instead of START-MEMORY-APPLY
Detection range	Press the button, the icon will flick on LCD screen display, then use +/- buttons to choose the wanted parameters.	Daylight sensor	Press the button, the icon will flick on LCD screen display, then use +/- buttons to choose the wanted daylight level; the max level is 400lux, --- means disable, LEN means learning ambient brightness.	Stand-by dimming	Press the button, the icon will flick on LCD screen display, then use +/- buttons to choose the wanted standby dim level.
Hold time	Press the button, the icon will flick on LCD screen display, then use +/- buttons to choose the wanted holdtime.	UP	Press the button, numbers on LCD screen display gets higher till the wanted one appears.	Stand-by period	Press the button, the icon will flick on LCD screen display, then use +/- buttons to choose the wanted standby period; the min is 0S, the max is infinite.
CCT	(Only supporting sensors with CCT tunable feature) Press the button, then icon will flick on LCD screen display, then use +/- buttons to choose from the saved CCT options(2700K, 3500K, 4000K, 5000K, 5700K, 6500K).	DOWN	Press the button, numbers on LCD screen display gets lower till the wanted one appears.	POWER	Press the button, the icon will flick on LCD screen display, then use +/- buttons to choose wanted brightness level. *In ON/OFF mode, output dimming range is 10%-100%; In SENSOR mode, output dimming range is 60%-100%.
Reserved	This is a reserved button for future updates with unexpected feature.	Daylight Harvesting	Make parameters according to daylight harvesting conditions, then press this button to activate this function; DH-ON will show on LCD screen display.	Test	Press the button to quickly perform testing function, keep only 2S ON then OFF, till motion gets detected and turn on light again.