

DESCRIPTION

The RKLP Series LED Flat Panel Retrofit Kit - the ultimate solution for hassle-free 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 20W, 25W, and 30W 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. Upgrade your lighting with the RKLP Series and experience the future of lighting with ease and efficiency.

SPECIFICATIONS

Construction:

- Cold rolled carbon steel enclosure in a white finish
- 2-Rail mounting system makes installation simple
- Backlit design, LEDs sit at the back of the enclosure aimed directly at the diffuser to evenly illuminate the entire surface of the panel

Optics/LEDs:

- Switchable between 3500K, 4000K, and 5000K, switch located outside driver box
- CRI ≥80
- Efficacy up to 135 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 20W, 25W and 30W, 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 at the edge of the panel 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 40°C (32°F to 104°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	RKLP-22	RKLP-24
Wattage (W)	20W-25W-30W (Switchable)	30W-40W-50W (Switchable)
Lumens (lm)	2,600 - 3,900	3,800 - 6,300
Efficacy (LPW)	Up to 135	
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, efficacy at 125Lm/W. See performance table for more detailed lumen information.

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

Series	Description	Options
RKLP-22-CP	Retrofit Kit LED Flat Panel, 2' x 2' Backlit, Power Switchable 20W/25W/30W, Color Switchable 3500K/4000K/5000K CCT, 120-277VAC, 0-10V Dimming, White Finish	BB = Battery Backup
RKLP-24-CP	Retrofit Kit LED Flat Panel, 2' x 4' Backlit, 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)

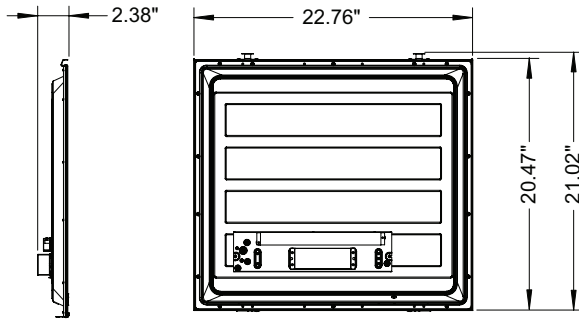
Notes
¹ Order as a separate line item, shipped in a separate box for installation in the field

PERFORMANCE DATA

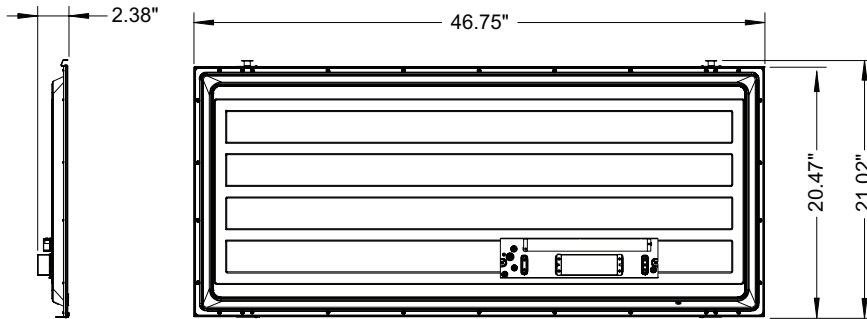
Model	Wattage	CCT	Lumens	LPW	CRI
RKLP-22-CP (20W, 3500K)	20W	3500K	2,600	130	≥80
RKLP-22-CP (20W, 4000K)	20W	4000K	2,700	135	≥80
RKLP-22-CP (20W, 5000K)	20W	5000K	2,600	130	≥80
RKLP-22-CP (25W, 3500K)	25W	3500K	3,200	128	≥80
RKLP-22-CP (25W, 4000K)	25W	4000K	3,300	132	≥80
RKLP-22-CP (25W, 5000K)	25W	5000K	3,200	128	≥80
RKLP-22-CP (30W, 3500K)	30W	3500K	3,692	123	≥80
RKLP-22-CP (30W, 4000K)	30W	4000K	3,900	130	≥80
RKLP-22-CP (30W, 5000K)	30W	5000K	3,800	127	≥80
RKLP-24-CP (30W, 3500K)	30W	3500K	3,800	127	≥80
RKLP-24-CP (30W, 4000K)	30W	4000K	3,900	130	≥80
RKLP-24-CP (30W, 5000K)	30W	5000K	3,800	127	≥80
RKLP-24-CP (40W, 3500K)	40W	3500K	4,900	123	≥80
RKLP-24-CP (40W, 4000K)	40W	4000K	5,100	128	≥80
RKLP-24-CP (40W, 5000K)	40W	5000K	4,900	123	≥80
RKLP-24-CP (50W, 3500K)	50W	3500K	6,260	125	≥80
RKLP-24-CP (50W, 4000K)	50W	4000K	6,300	126	≥80
RKLP-24-CP (50W, 5000K)	50W	5000K	6,100	122	≥80

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

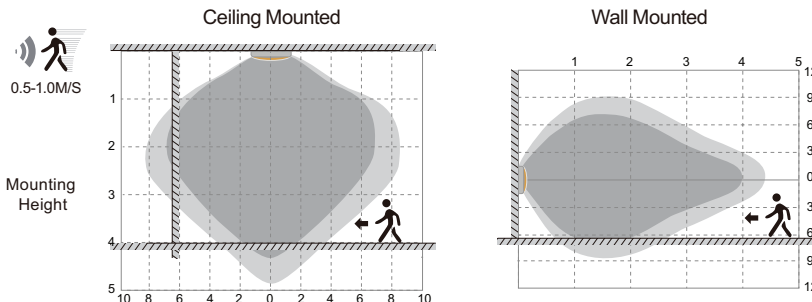
RKLP-22-CP



RKLP-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.

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.