

BRI823 SENSORS
HIGH/LOW BAY DAYLIGHT SENSOR



External Finish
Look



Internal Finish
Look



FEATURES:

- Provide Line voltage On/Off switching and 0-10VDC dimming control
- Works with ballast or LED drivers
- High and low modes fully adjustable from 0-10V
- Time delay from 10 sec to 60 mins
- Optional cut off delay
- Adjustable ramp up and fade down times
- IP65 rated - External Mount Model only. Integrated model needs to be installed in an IP-65 rated fixture, the PIR sensor module parts and lens are IP65 outdoor rated.

WARRANTY:


5-year standard warranty (further details available at www.maxlite.com/warranties)
Product may be eligible for a warranty extension to 10 years, for an additional fee. Contact MaxLite for details.

ORDER STRUCTURE

FAMILY	INSTALLATION	DISTRIBUTION	FINISH
BRI823= Daylight Sensor	X-D= External Mount	-L3= High Bay Lens 8-40ft	BRONZE BLACK WHITE
	B-D= ntegrated	-L4= Low Bay Lens 8-20ft	

Contact Maxlite for additional finishes.

ACCESSORY (SOLD SEPARATELY)

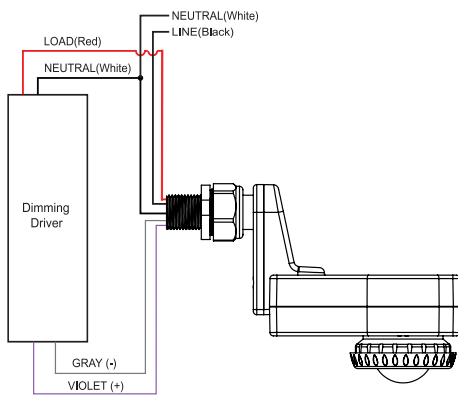
ORDER CODE	MODEL NUMBER	DESCRIPTION	IMAGE
104799	RMRC-100	REMOTE CONTROL	

SPECIFICATIONS	BRI823 SENSORS
DETAILS	
Power Supply	120-277VAC
Maximum load	Resistive/Halogen - 800W @ 120V/ 1200W @277V Fluorescent Ballast/CFL 660W @120V/ 1200W@277V Electronic Ballast (LED) - 5A @120V/5A @277V
Dim control output	0-10V, max. 25mA sinking current
Detection radius /angle	30ft @ 40ft Height/360°
Mounting height	Max 24ft. @ LW1 / Max 40ft. LS2
Remote Range	50ft (15m) indoor, no backlight
Humidity	Max. 95% RH
Temperature	-40°F to 158°F (-40°C to 70°C)

DEFAULT SETTING

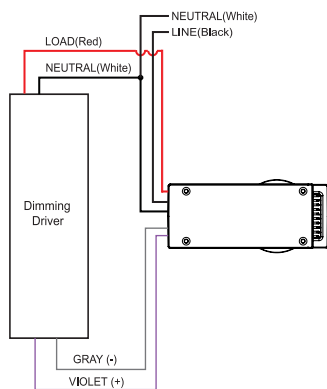
SERIES	SENSITIVITY	HOLD ON TIME	DAYLIGHT SENSOR	DIMMING LEVEL	DIMMING TIME
BRI823	100%	10S	30LUX	30%	60 Minutes

**WIRING DIAGRAM
(EXTERNAL FINISH MODEL)**

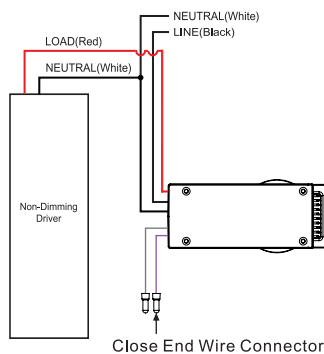


**WIRING DIAGRAM
(INTERNAL FINISH MODEL)**

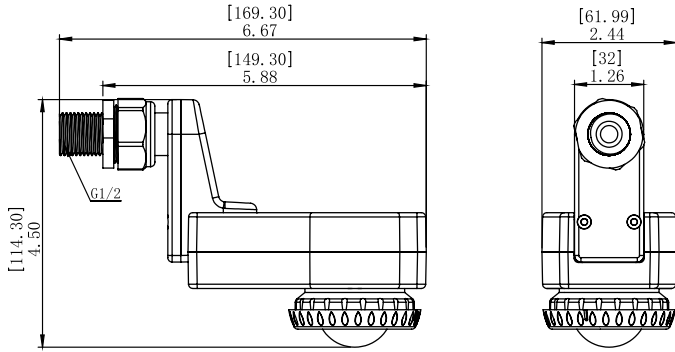
Wiring with dimming ballast or LED driver



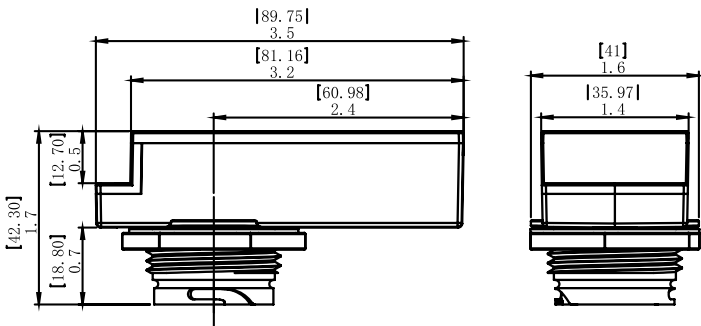
Wiring with non-dimming ballast or LED driver



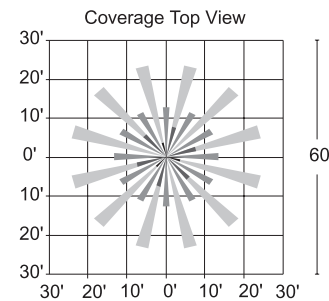
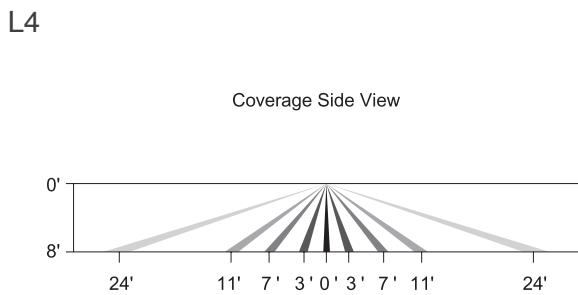
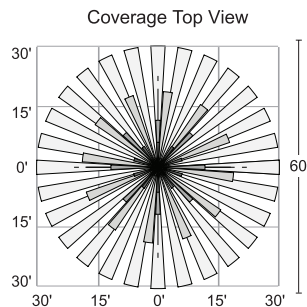
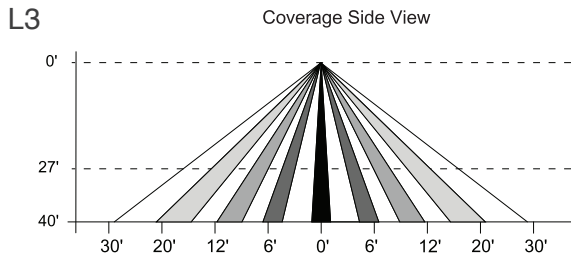
**DIMENSIONS
(EXTERNAL MODEL)**



**DIMENSIONS
(INTERNAL MODEL)**



COVERAGE

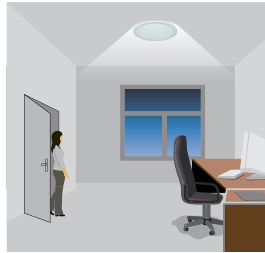


CORRIDOR FUNCTIONS

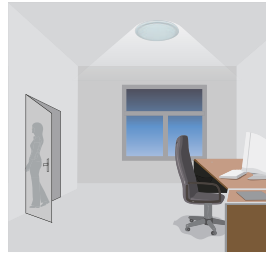
This function inside the motion sensor to achieve tri-level control, for some areas which require a light change notice before switch-off. The sensor offers 3 levels of light: 100%-->dimmed light (natural light is insufficient) -->off; and 2 periods of selectable waiting time: motion hold-time and stand-by period; Selectable daylight threshold and freedom of detection area.



With sufficient natural light, the light does not switch on when presence is detected.



With insufficient natural light, the sensor switches on the light automatically when presence is detected.



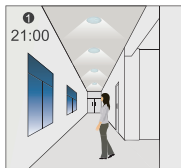
After hold-time, the light dims to stand-by level if the surrounding natural light is below the daylight threshold.



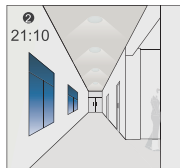
Light switches off automatically after the stand-by period elapses.

SMART PHOTOCELL FUNCTION

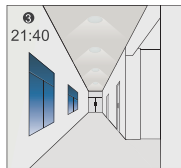
open the smart photocell sensor by push **Ⓜ** when remote control is in setting condition.



The light switches on at 100% when there is movement detected.

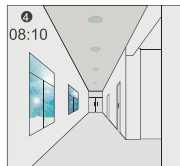
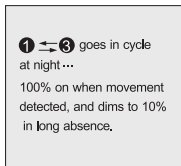


The light dims to stand-by level after the hold-time.



The light remains in dimming level at night.

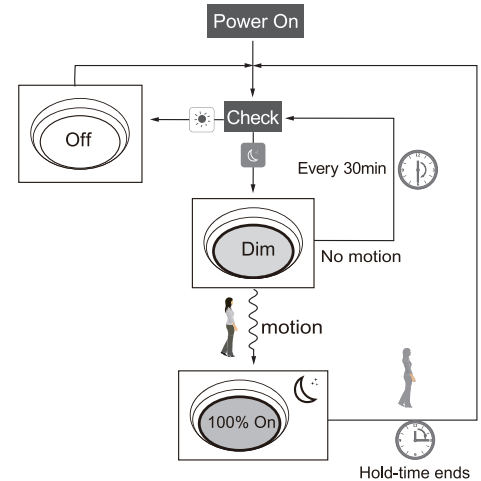
Settings on this demonstration:
Hold-time: 10min
Setpoint on:50lux
Setpoint off:300lux
Stand-by Dim: 10%
Stand-by period: +∞
(when the smart photocell sensor open, the stand-by time is only +∞)



When the natural light level exceeds setpoint off to light, the light will turn off even if when the space is occupied.



The light automatically turns on at 10% when natural light is insufficient (no motion).



Difference between Corridor Function and Smart Photocell Function

1. In corridor function, the daylight sensor as threshold to assist motion sensor, in Photocell function, the daylight sensor works independently to motion sensor.
2. Turn on light by detect motion when natural light is insufficient for corridor function, turn on light by natural light level exceeds setpoint on to light, do need to detect motion, for smart photocell function.
3. Turn off light by stand-by time for corridor function. Turn off light by natural light level lower than setpoint off of light for smart photocell function.