



SNOWBALL

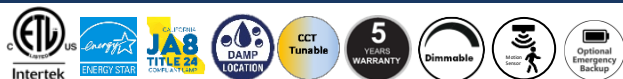
LIGHTING INCORPORATED



LED Surface Mount Downlight W/ Motion Sensor & Emergency Backup



Certification



Specifications

Model NO	HY-SMD-R5-10W-CCT(MS)	HY-SMD-R7-15W-CCT(MS)	HY-SMD-R7-15W-CCT(MS+EM)
Configuration	Motion Sensor (MS)	Motion Sensor (MS)	Motion Sensor + Emergency Backup (MS+EM)
Size	5"	7"	7"
Rated Input Voltage	120 VAC	120 VAC	120 VAC
Input Wattage	10W	15W	15W
Power Factor (PF)	0.9	0.9	0.9
Diming	Triac Dimmable	Triac Dimmable	Triac Dimmable
Lumen Output	830LM	1250LM	1250lm
CCT	5CCT Selectable: 2700K-3000K-3500K-4000K-5000K Or 2700K-3500K-4000K-5000K-6500K		5CCT Selectable: 2700K-3000K- 3500K-4000K-5000K
CRI	≥80	≥80	≥80
Beam Angle	120°	120°	120°
Motion Sensor	Integrated Motion Sensor	Integrated Motion Sensor	Integrated Motion Sensor
Emergency Backup	/	/	Integrated Emergency Backup
Battery	/	/	Rechargeable Lithium Battery(cell): 3.7V,2000mAh; Battery Pack (2 cells: 152P): 3.7V, 4000mAh.
Operating Temperature	-13°F ~ +113°F / -25°C ~ +45°C	-13°F ~ +113°F / -25°C ~ +45°C	32°F ~ +113°F / 0°C ~ +45°C
Protection Rating	IP20 (For Indoor Use Only)	IP20 (For Indoor Use Only)	IP20 (For Indoor Use Only)
Finish	White	White	White
Package Dimensions	12.8"x12.4"x6.8"	15.6"x12.8"x8.3"	15.6"x13.8"x8.3"
PC/Master Pack	20	20	12
Weight	14.04 LB / 6.37 KG	19.97 LB / 9.06 KG	27.36 LB / 12.41 KG
Certification	ETL Listed / ENERGY STAR Certified		
Life Span	Lumen Maintenance Over 70% @ 50,000+ Hours		



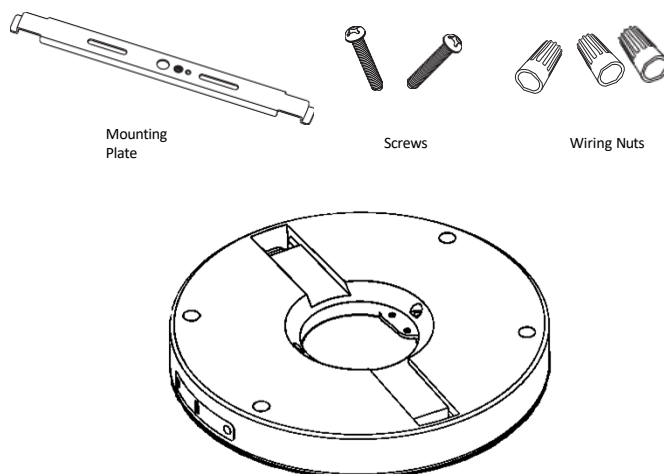
Application: Ideal for living rooms, bedrooms, hallways, administration offices, and commercial spaces.

Description

This compact, high-performance light is designed for reliable, energy-efficient illumination with flexible controls and smart sensing options. Ideal for various applications, it offers customizable lighting and enhanced convenience.

- **Configuration Options:** Available in Motion Sensor (MS) and Motion Sensor with Emergency Backup (MS+EM) configurations.
- **Built-in PIR Motion Sensor (On/Off + Bi-Level) & Photocell Sensor:** Automatically detect occupancy and ambient daylight for enhanced energy savings and automated lighting control.
- **5CCT Selectable:** Five color temperature options can be easily selected using built-in DIP switches.
- **MS Model:** Features integrated motion sensors with motion detection and ambient light sensing for intelligent lighting control.
- **MS+EM Model:** Combines built-in sensors with integrated emergency backup, delivering up to 90 minutes of emergency illumination after a 24-hour full charge.

Accessories





LED Surface Mount Downlight W/ Motion Sensor & Emergency Backup

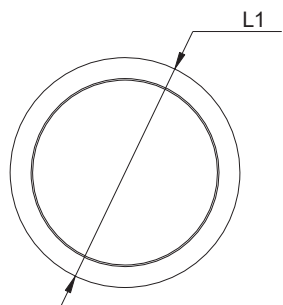
Ordering Code Definition

EXAMPLE: HY-SMD-R7-15W-CCT(MS+EM)

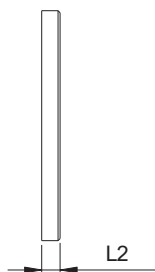
Company Code	Product	Size	Watt	CCT	Suffix
HY	SMD: Surface Mount Downlight	R5: Round 5"	10W	5CCT Selectable: 2700K-3000K-3500K-4000K-5000K Or 2700K-3500K-4000K-5000K-6500K	(MS): Motion Sensor
		R7: Round 7"	15W		(MS+EM): Motion Sensor + Emergency Backup

Product Dimensions

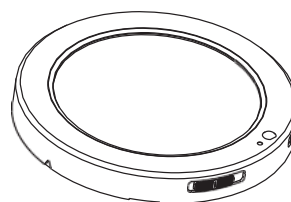
Motion Sensor Configuration (MS)



Front View

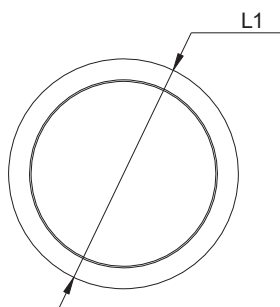


Side View

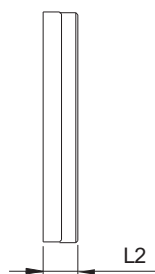


Model No.	HY-SMD-R5-10W-CCT(MS)	HY-SMD-R7-15W-CCT(MS)
Size		
L1	Φ146mm/Φ5.75"	Φ186mm/Φ7.32"
L2	23mm/0.91"	23mm/0.91"

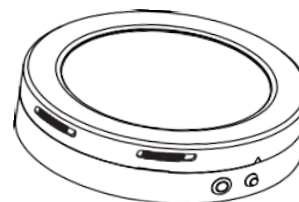
Motion Sensor with Emergency Backup configuration (MS+EM)



Front View



Side View

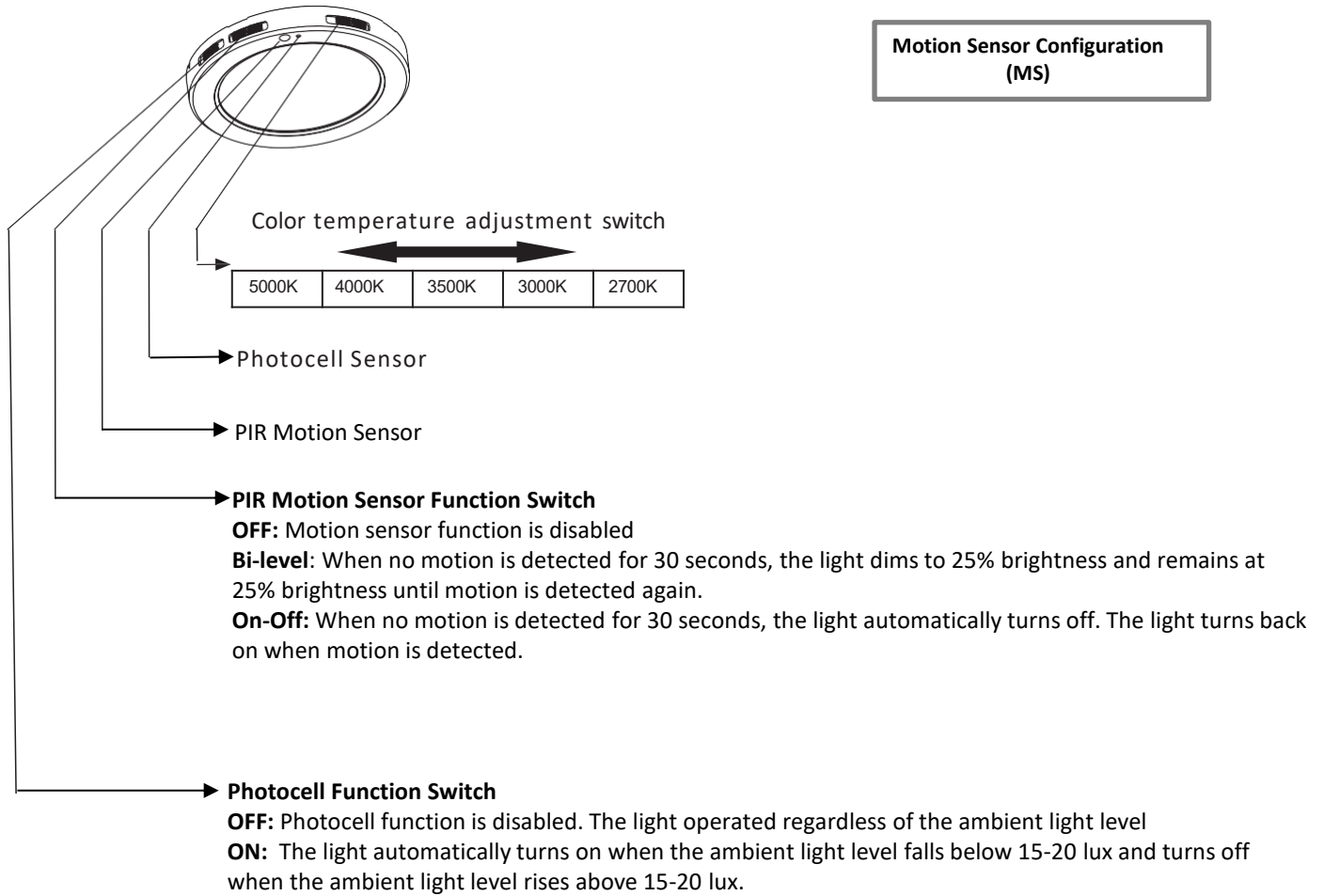


Model No.	HY-SMD-R7-15W-CCT(MS+EM)
Size	
L1	Φ186mm/Φ7.32"
L2	50.8mm/2"

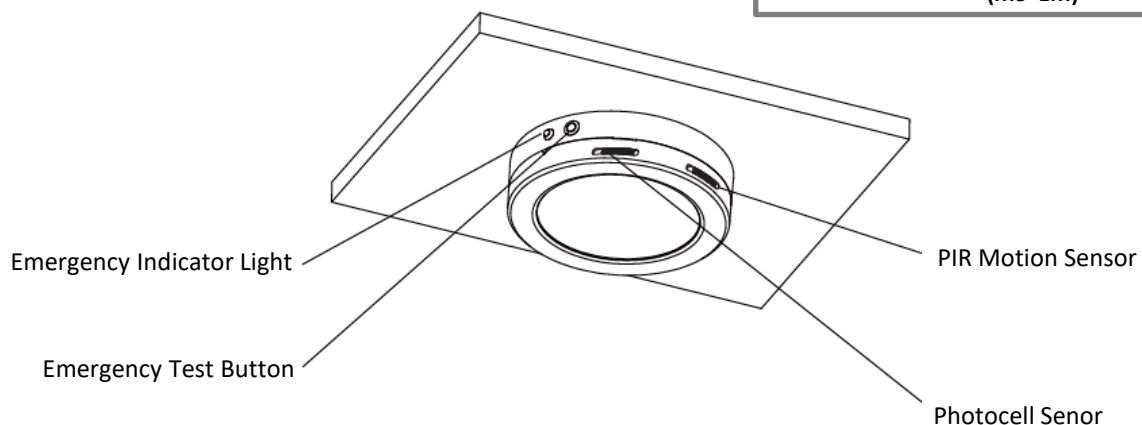


LED Surface Mount Downlight W/ Motion Sensor & Emergency Backup

Operating Guide



Motion Sensor with Emergency Backup configuration (MS+EM)





LED Surface Mount Downlight W/ Motion Sensor & Emergency Backup

Motion Sensor Setting

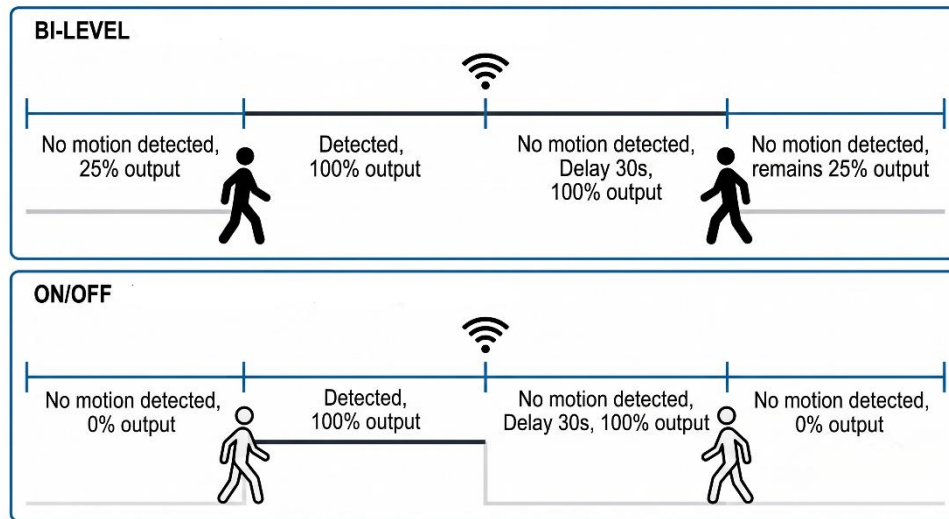
PIR Motion Sensor

PIR Motion Sensor Function Switch

OFF: Motion sensor function is disabled

Bi-level: When no motion is detected for 30 seconds, the light dims to 25% brightness and remains at 25% brightness until motion is detected again.

On-Off: When no motion is detected for 30 seconds, the light automatically turns off. The light turns back on when motion is detected.



Photocell Sensor

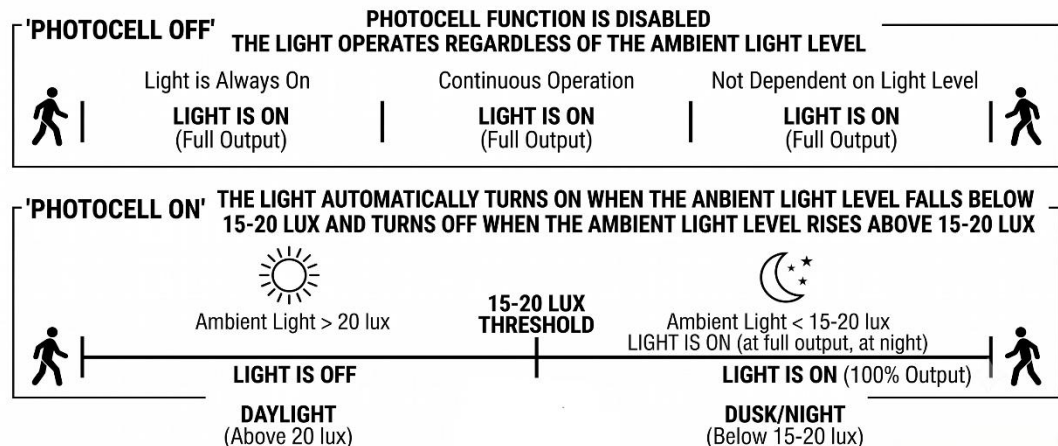
Photocell Function Switch

OFF: Photocell function is disabled. The light operated regardless of the ambient light level

ON: The light automatically turns on when the ambient light level falls below 15-20 lux and turns off when the ambient light level rises above 15-20 lux.



PHOTOCELL SETTINGS





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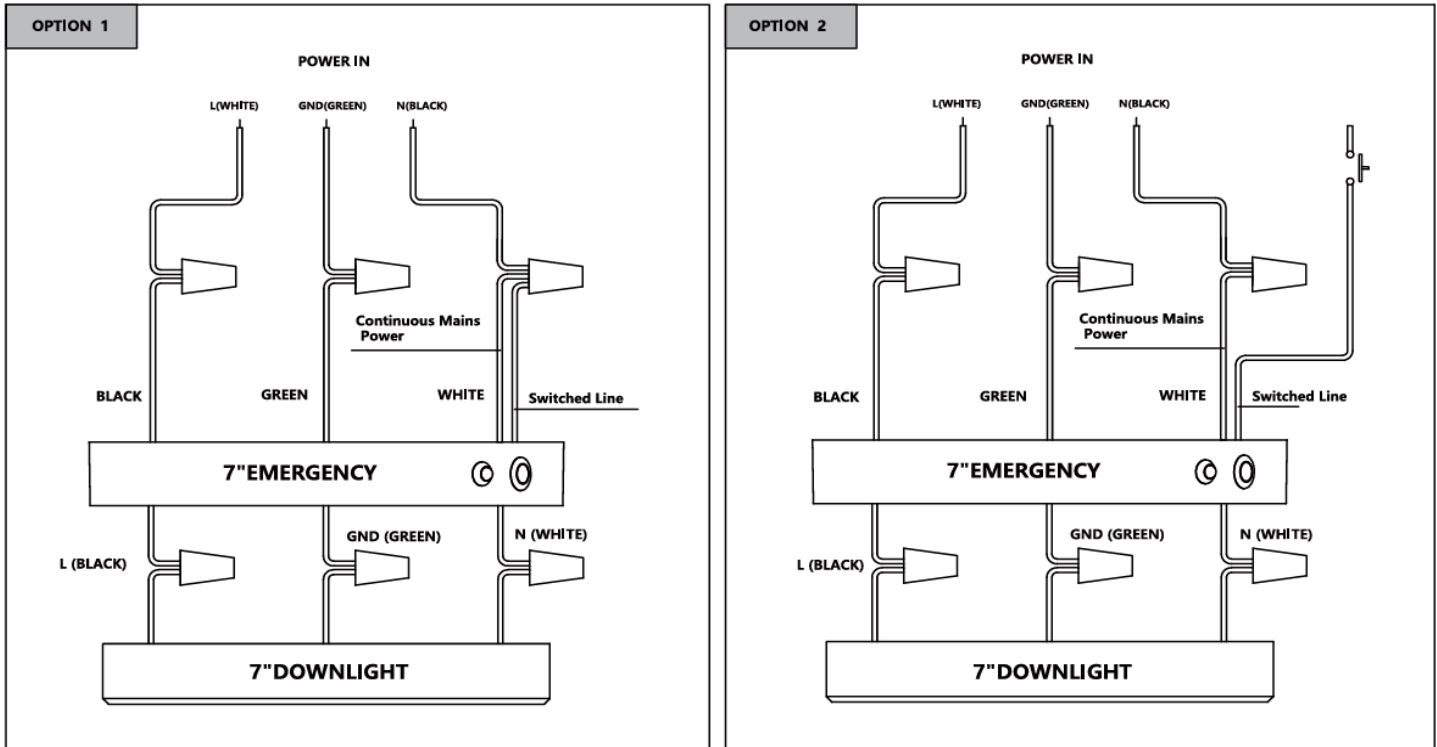


SIGNALUX

COMMERCIAL LIGHTING

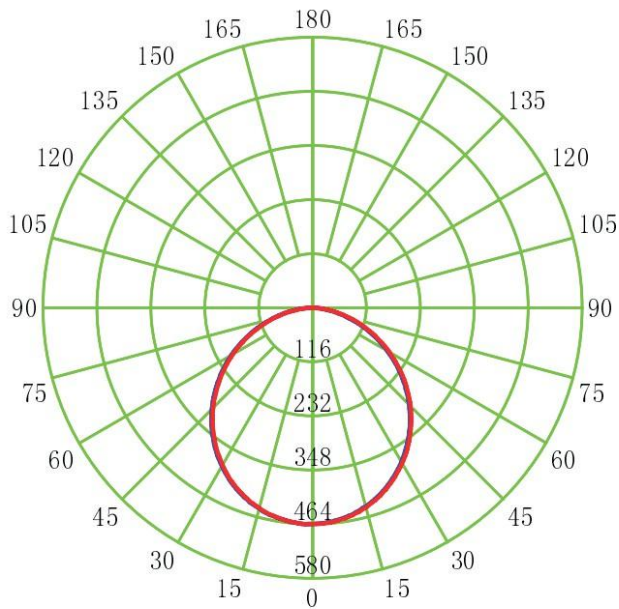
LED Surface Mount Downlight W/ Motion Sensor & Emergency Backup

Emergency Baseplate Wiring Diagram



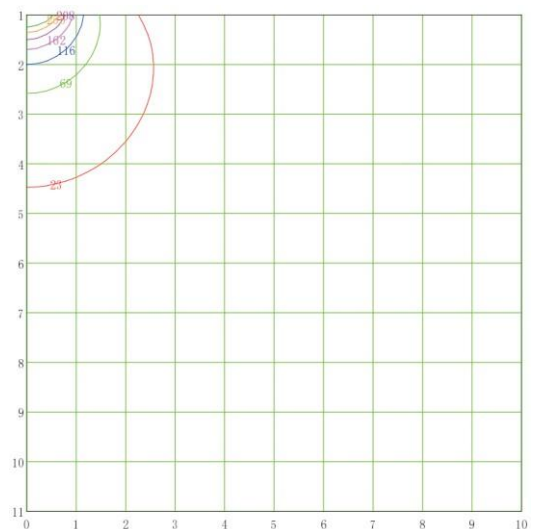
Photometric Report

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



— C0-C180 — C90-C270

VERTICAL EQUILUMINOUS CURVE



(5%): 23.2 lx (15%): 69.5 lx
(25%): 115.8 lx (35%): 162.1 lx
(45%): 208.5 lx (55%): 254.8 lx
(65%): 301.1 lx