



LED DOUBLE RING FLUSH MOUNT CEILING LIGHT (AC120-277V)



CERTIFICATIONS



Application: Ideal for drawing rooms, bedrooms, corridors, and administrative offices.

BI-LEVEL SENSOR & EMERGENCY BACKUP

ANT-1M-5T (Bi-level Daylight Harvesting Microwave Sensor)	
Emergency Backup	

FEATURES

The LED Double Ring Flush Mount Ceiling Light is versatile, efficient, and built to last. It features tunable white light (2700K–5000K), 0–10V dimming, high luminous efficiency, and excellent color rendering. Available in Bi-Level Motion Sensor and Bi-Level Motion Sensor + Emergency Driver versions, it combines a durable stainless steel body with a polycarbonate diffuser and comes with a 5-year limited warranty.

SPECIFICATIONS

Model No	HY-DR12-16WCCT(MS)	HY-DR14-22WCCT(MS)	HY-DR16-26W-CCT(MS)	HY-DR12-16WCCT(MS+EM)	HY-DR14-22WCCT(MS+EM)	HY-DR16-26WCCT(MS+EM)
Wattage	16W	22W	26W	16W	22W	26W
Size	12"	14"	16"	12"	14"	16"
Lumens	1600 LM	2200 LM	2600 LM	1600 LM	2200 LM	2600 LM
Rated Input Voltage(V)	120-277 VAC					
CCT	2700K/3000K/3500K/4000K/5000K					
Beam Angle	120°					
Dimming	0-10V dimmable					
Color Rendering Index	>80					
Power Factor	>0.90					
Working Temperature	-13°F ~ +113°F / -25°C ~ 45°C					
Environment Location	IP 20 – Indoor Only					
Lifespan	Lumen Maintenance over 70% @ 50,000+ Hours					
Body Finish	Brushed Nickel					
Charging Time	N/A			≥24 Hours		
Emergency Time	N/A			< 1.5 Hours		
Package Dimensions	27.2"X12.7"X12.9"	29.6"X14.6"X14.8"	33.1"X16.7"X16.9"	27.2"X12.7"X12.9"	29.6"X14.6"X14.8"	33.1"X16.7"X16.9"
Package Weight	19 LBS	24 LBS	28 LBS	19 LBS	24 LBS	28 LBS
PC/ Master Pack	6					



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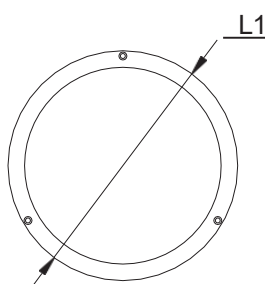
ORDERING CODE DEFINITION

HY-DR12-16WCCT(MS) / HY-DR12-16WCCT(MS+EM)

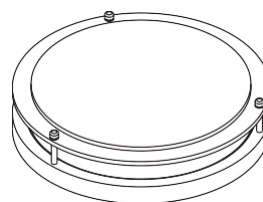
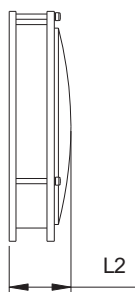
Company Code	Product	Size	Power	CCT	Suffix
HY	DR: Double Ring Flush Mount Ceiling Light	12" 14" 16"	12": 16W 14": 22W 16": 26W	5 CCT Selectable: 2700K/3000K/3500K/4000K/5000K	MS: Bi-level Daylight Harvesting Microwave Sensor; MS+EM: Bi-level Daylight Harvesting Microwave Sensor & Emergency Backup.

PRODUCT DIMENSIONS

Front View

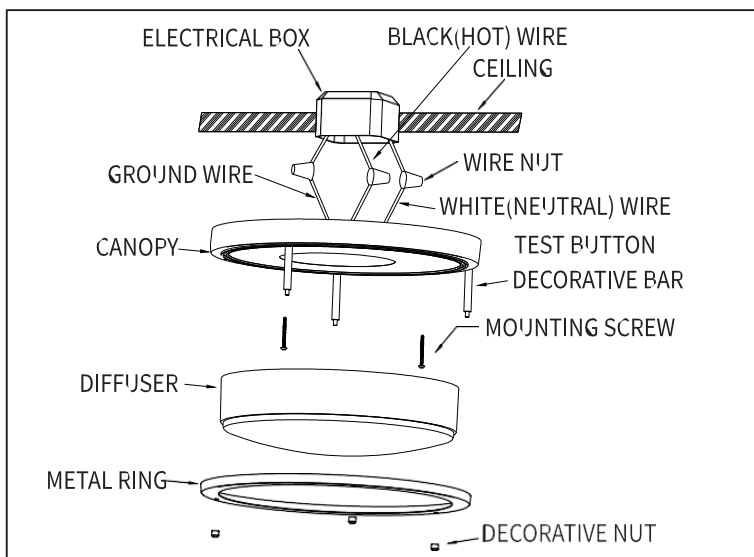


Side View



Model NO Size	HY-DR12-16WCCT(MS) HY-DR12-16WCCT(MS+MS)	HY-DR14-22WCCT(MS) HY-DR14-22WCCT(MS+EM)	HY-DR16-26WCCT(MS) HY-DR16-26WCCT(MS+EM)
L1	Φ305mm/Φ12"	Φ355mm/Φ14"	Φ405mm/Φ16"
L2	104mm/4.09"	114mm/4.49"	124mm/4.89"

INSTALLATION INSTRUCTION



Tools Needed:

Screwdriver, pliers, wire nuts, and electrical tape.

Safety:

- Wear rubber-soled shoes to prevent electric shock.
- Handle the fixture carefully to avoid cuts.
- Use a sturdy ladder if needed.

1. Mounting the Fixture:

Screw the long mounting screws into the electrical box about two full turns. (Included.)

2. Electrical Connection:

Turn off the power. Connect green/bare wire to ground, white to white, and black to black. Secure with wire nuts and tape.

3. Attach Canopy:

Place the canopy over the screws, align with the keyhole slots, rotate, and tighten until snug.

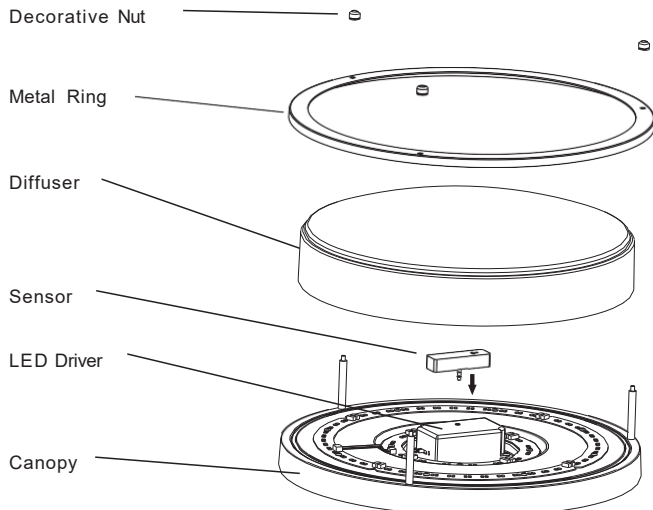
4. Install Diffuser:

Align the diffuser, place the metal ring, and secure with three decorative nuts.



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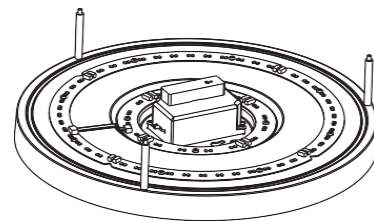
SENSOR INSTALLATION



Follow the diagrams in the manual to disassemble the lamp components and install the fixture as instructed. Connect the sensor to the LED driver, then reassemble the lamp in reverse order.

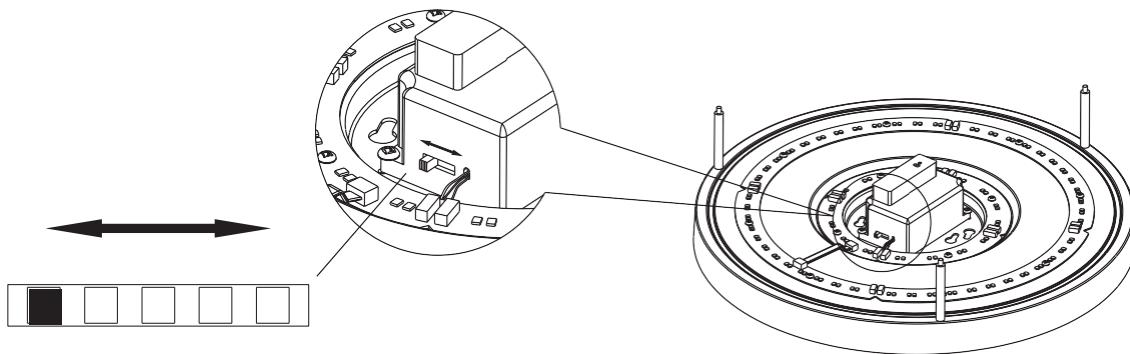
ANT-1M-5T(Sensor)
(3.5mm Audio Jack)

The motion sensor's functional description is provided in the following section of this specification.



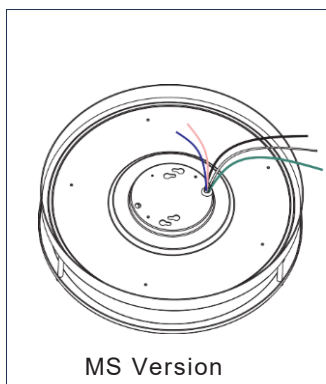
OPERATING GUIDE

CCT Adjustable

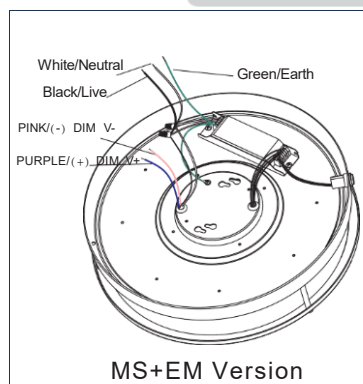


Wiring Guide

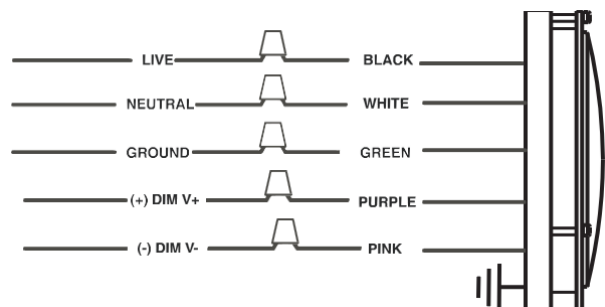
CAUTION: turn off electrical power at fuse or circuit breaker box before wiring fixture to power supply



MS Version



MS+EM Version

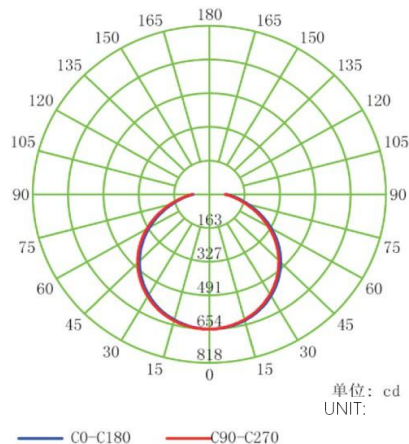




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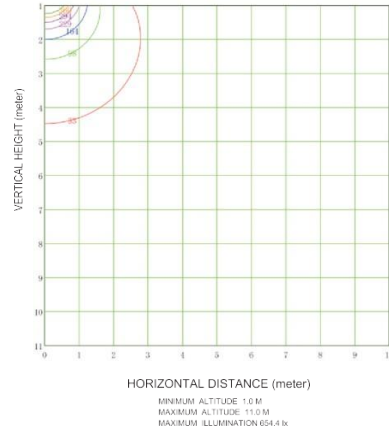
PHOTOMETRIC REPORT

16" LIGHT
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



— C0-C180 — C90-C270

VERTICAL EQUILUMINOUS CURVE



(5%) : 32.7 lx	(15%) : 98.2 lx
(25%) : 163.6 lx	(35%) : 229.1 lx
(45%) : 294.5 lx	(55%) : 359.9 lx
(65%) : 425.4 lx	

BI - LEVEL DAYLIGHT HARVESTING MICROWAVE SENSOR



ANT-1M-5T (sensor)
(3.5mm Audio Jack)



RC-100

Note:

1. Warm-up Time: 15 seconds.

When the sensor is powered on for the first time, the light will remain on for 15 seconds before dimming and entering normal operation.

2. Factory Default Settings:

Hold Time: 1 min

Standby Brightness: 30%

Standby Time: 30 min

Sensitivity: 100%

Daylight Sensor: Disabled (☀)



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



With insufficient natural light, the sensor switches on the light automatically when person enters room.



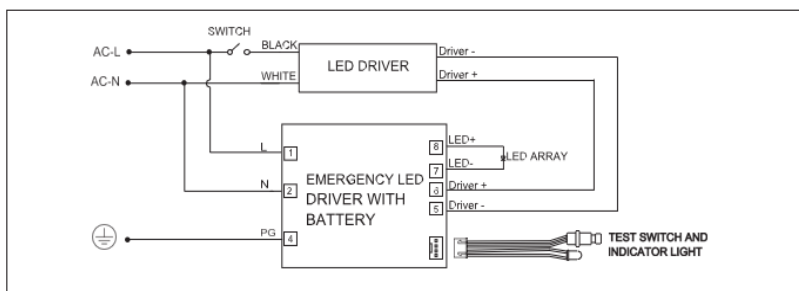
People left, light still dims to 0/10%/30%/50% (options) standby level after the hold time.



Light switches off automatically after after stand-by time elapsed.

Emergency LED Driver

Circuit Diagram:



* Output Power
2W,3W,4W

* Emergency Time:
1.5H

* Universal Input Voltage
100-277 Vac, 50/60 HZ

* AC Input Current
100mA Max

* AC Input Power Rating
5.0W Max

* Output Current & Voltage
300-400mA 10-60Vdc

* Full Warranty: 5-year

* Test Switch Indicator Light
Illuminated Test Switch,
Indicator Light

* Battery

Li-ion battery- 3.7V/2500mAh

* Battery Charging Current
250mA Max

* Charging Time ≥24 hours

* Temperature Rating (Ambient)
Li-ion 0°C to 50°C(32°F-120°F)