

Installation Instructions

Mitra: S-MI-_/CTS_



Unit 8 Gemini 8 Business Park
Charon Way
Apollo Park
Warrington
WA5 7AE

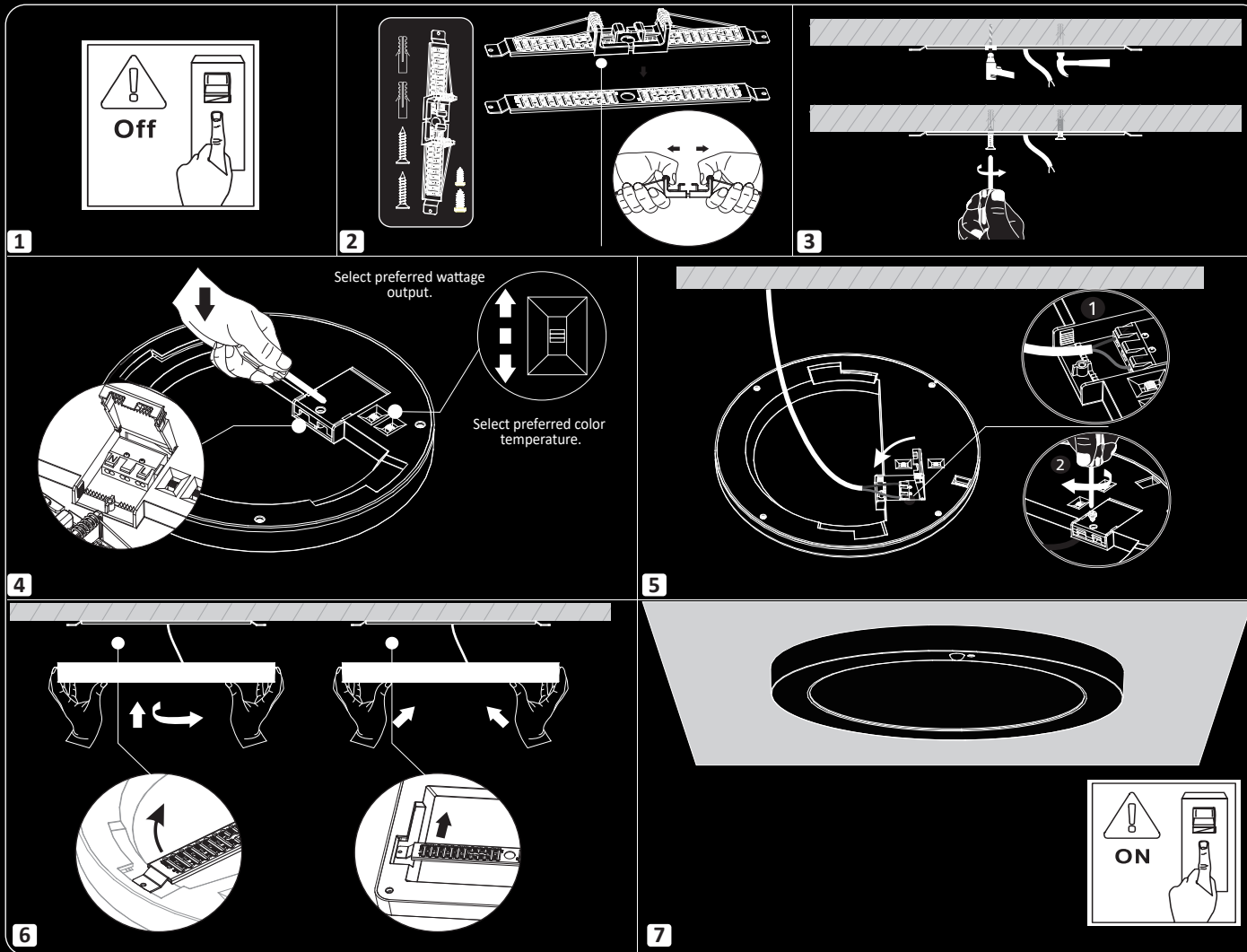
www.spectre-lighting.com

Safety Precautions.

- Power Isolation: Always disconnect the power supply before installing, removing, or servicing the product to prevent electric shock, injury, or damage.
- Qualified Installation: Luminaires should be installed by a certified electrician in accordance with current local wiring regulations.
- Damaged Components: Replace any broken or faulty parts promptly. Spectre Lighting cannot be held liable for issues resulting from poor installation practices.
- Ambient Temperature: Ensure the room temperature does not exceed 25°C during operation.
- Power Supply Compatibility: These products are intended for use with a mains supply of 230–240V~ at 50/60Hz.
- Inrush Current Consideration: You may need to upgrade your MCBs to accommodate higher inrush currents.
- Insulation Testing: Do not perform insulation resistance tests while the product is connected to the circuit.
- Preparation: Review all instructions thoroughly and confirm you have the necessary tools and accessories for proper installation.

5yrs
Warranty

Surface mounted



Installation Instructions

Fig 1. Ensure power supply is isolated before proceeding with installation.

Fig 2. Remove the spring clips for surface mounted installation.

Fig 3. Fix the installation bracket with screw.

Fig 4. Set product to desired CCT and Wattage output using dip switches located on the back of luminaire.

Fig 5. Connect supply cable to driver terminations ensuring correct polarity is observed. These products are intended for use with a mains supply of 110–240V~ at 50/60Hz for non-sensor version, and 220–240V~ at 50/60Hz for sensor version.

Fig 6. Rotate the lamp clockwise, slide the lamp to the end.

Fig 7. Reinstate power supply.

IP20

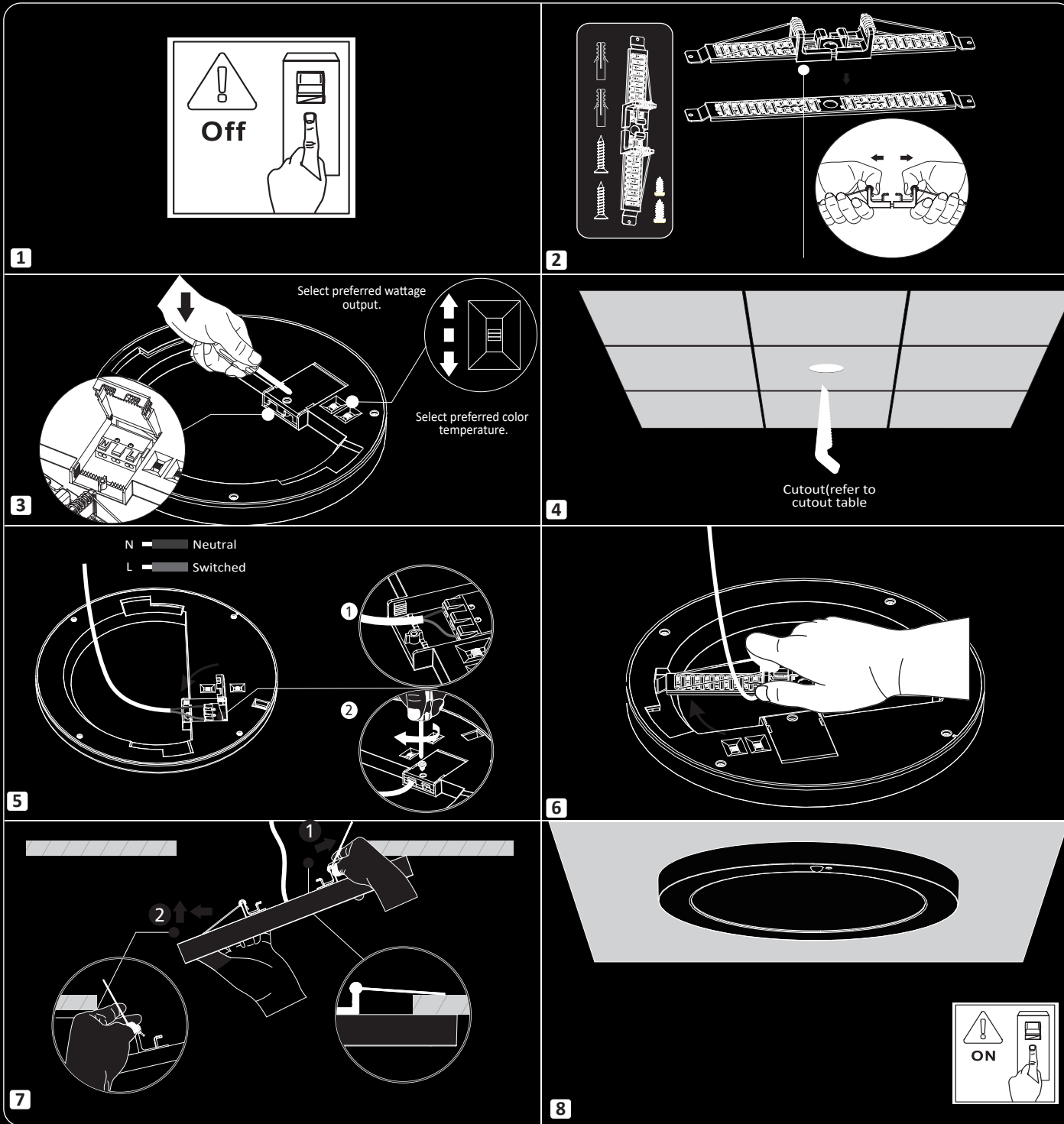


Recessed installation



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Fig 1. Ensure power supply is isolated before proceeding with installation.

Fig 2. Adjust the cutout to the desired size using the adjustable spring.

Fig 3. Set product to desired CCT and Wattage output using dip switches located on the back of luminaire.

Fig 4. Confirm the desired cutout and cut the hole according to the following cutout table.

Fig 5. Connect supply cable to driver terminations ensuring correct polarity is observed. These products are intended for use with a mains supply of 110–240V~ at 50/60Hz for non-sensor version, and 220–240V~ at 50/60Hz for sensor version.

Fig 6. Twist the bracket to the luminaire.

Fig 7. Push the spring and fit the luminaire into the ceiling.

Fig 8. Reinststate power supply.

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Functions Instruction (For specific function, please refer to actual model)



Sensor

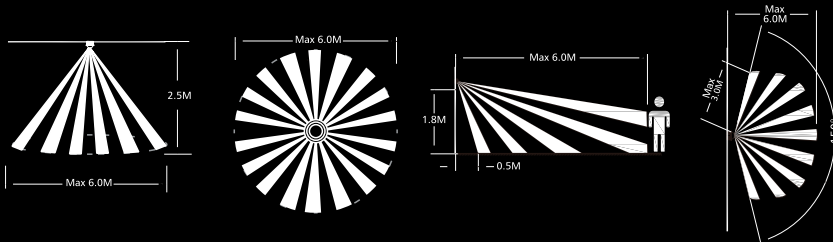
Detection area: 90 degree wide
detective beam angle with 2-3
meters distance.

Driver Datasheet (Sensor)

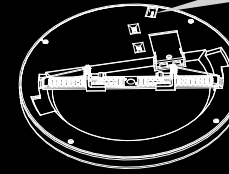
Sensor datasheet

Operating Voltage	DC6-10V
Power consumption	0.2Wmax
Microwave frequency	-
Transmission power	-
Detection angle	90°
Detection Area	3m (50%/100% Range adjustable)
Hold time	5s/60s/3min/10min adjustable
Daylight sensor	30Lux/Disable Mode adjustable
Stand-by DIM Level	0%/20% Mode adjustable
Stand-by Period	15min/∞ Adjustable
Dimming Range	-
Microw ave ON/OFF function	After powering on for 40 seconds, do ON-OFF-ON-OFF in 2 seconds, the lamp will flash once, the sensor function will be turned off and lamp will enter into normal constant light status (No memory function). If power off over 2 seconds under constant light mode, the lamp will back to sensor status.
Installation Height	Recommended wall installation height 1.8m, ceiling installation height 2.5m.
Operating temperature(°C)	0-25°C

Induction Range

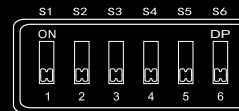


Daylight & Microwave Sensor



ON DIP	Detection Area		Hold Time		Daylight Sensor	Stand-by DIM Level	Stand-by Period
	1	2	3	4	5	6	
ON	100%	-	5S	-	disable	0%	∞
ON	50%	-	ON 60S	ON	30LUX	ON 20%	ON 15min
ON	-	ON	3min	ON	ON	ON	10min

Factory setting



Factory settings				
Detection Area	Hold Time	Daylight Sensor	Stand-by DIM Level	Stand-by Period
100%	5S	Disable	0%	∞

Sensor Setting

Detection Area
1
- 100%
ON 50%

Detection area:

Detection area can be reduced by selecting the combination on the DIP switches to fit precisely each application.
Notice 1 : The distance test is carried out under Ta25°C, 2.5 meters surface/1.8 meters wall mounting installation height. The test result is based on the movement along the tangential direction of the sensor, and the detect distance can be adjusted by the dial switch.
Notice 2 : Infrared sensor will be affected by temperature. Too high or too low temperature may affect the detect distance or even cause failure to sensor.

Hold Time
2 3
- - 5S
- ON 60S
ON - 3min
ON ON 10min

Hold time:

Refers to the time period the lamp remains at 100% illumination after no motion detected.
Notice 1: The hold time can be selected by the slide switch.
The hold time counting should be started after the sensor is powered on and initialized.

Daylight Sensor
4 -
- disable
ON 30lux

Daylight sensor:

The sensor can be set to only allow the lamp to illuminate below a defined ambient brightness threshold. When set to Disable mode, the daylight sensor will switch on the lamp when motion is detected regardless of ambient light level.
Notice 1: The light threshold can be selected through the slide switch, it may cause a large deviation in different lamps.

Stand-by DIM Level
5
- 0%
ON 20%

Stand-by dimming level:

This is the dimmed low light output level you would like to have after the hold-time in the absence of people.

Stand-by period
6
- ∞
ON 15min

Stand-by period:

This is the time period you would like to keep at the low light output level before it is completely switched off in the long absence of people.

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Specification

S-MI-235/CTS/B

- Voltage Range – AC 100-240V 50/60Hz
- CCT – 3000K /4000K / 6500K
- CRI80
- IP20/IK06
- 10W/13W/16W
- 1,250Lm – 1,500Lm / 100Lm/W
- Temp Range –20°C –45 °C

Specification

S-MI-235/CTS/W

- Voltage Range – AC 100-240V 50/60Hz
- CCT – 3000K /4000K / 6500K
- CRI80
- IP20/IK06
- 10W/13W/16W
- 1,450Lm – 1,600Lm / 110Lm/W
- Temp Range –20°C –45 °C

Specification

S-MI-300/CTS/B

- Voltage Range – AC 100-240V 50/60Hz
- CCT – 3000K /4000K / 6500K
- CRI80
- IP20/IK06
- 16W/20W/22W
- 1,900Lm – 2,200Lm / 110Lm/W
- Temp Range –20°C –45 °C

Specification

S-MI-300/CTS/W

- Voltage Range – AC 100-240V 50/60Hz
- CCT – 3000K /4000K / 6500K
- CRI80
- IP20/IK06
- 16W/20W/22W
- 2,200Lm – 2,500Lm / 120Lm/W
- Temp Range –20°C –45 °C

Specification

S-MI-235/CTS/PIR/B

- Voltage Range – AC 220-240V 50/60Hz
- CCT – 3000K /4000K / 6500K
- CRI80
- IP20/IK06
- 10W/13W/16W
- 1,250Lm – 1,500Lm / 100Lm/W
- Temp Range –0°C –25 °C

Specification

S-MI-235/CTS/PIR/W

- Voltage Range – AC 220-240V 50/60Hz
- CCT – 3000K /4000K / 6500K
- CRI80
- IP20/IK06
- 10W/13W/16W
- 1,450Lm – 1,600Lm / 110Lm/W
- Temp Range –0°C –25 °C

Specification

S-MI-300/CTS/PIR/B

- Voltage Range – AC 220-240V 50/60Hz
- CCT – 3000K /4000K / 6500K
- CRI80
- IP20/IK06
- 16W/20W/22W
- 1,900Lm – 2,200Lm / 110Lm/W
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Specification

S-MI-300/CTS/PIR/W

- Voltage Range – AC 220-240V 50/60Hz
- CCT – 3000K /4000K / 6500K
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- Temp Range –0°C –25 °C

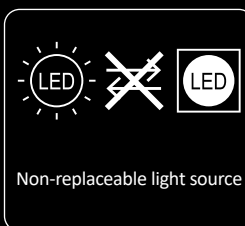
Dimensions

S-MI-235/CTS/B	S-MI-235/CTS/W	S-MI-300/CTS/B	S-MI-300/CTS/W
Ø235*H22mm cutout65-205mm		Ø300*H25.5mm cutout120-260mm	

S-MI-235/CTS/PIR/B	S-MI-235/CTS/PIR/W	S-MI-300/CTS/PIR/B	S-MI-300/CTS/PIR/W
Ø235*H22mm cutout65-205mm		Ø300*H25.5mm cutout120-260mm	



The light source of this luminaire is not replaceable, when the light source reaches its end of life the luminaire shall be replaced, utilising the existing driver



Important Disposal Information for Waste Electrical & Electronic Equipment (WEEE)

Please be aware that Waste Electrical and Electronic Equipment (WEEE), identified by the crossed-out wheelie bin symbol, must NOT be disposed of with regular household waste.

We encourage you to support reuse, recycling, and responsible recovery by returning this product—once it reaches the end of its life—to an appropriate collection point. This may include a designated waste equipment centre, a civic amenity site, or the retailer where you originally purchased the item or are buying a replacement.

Improper disposal of this equipment may release substances that are harmful to both human health and the environment. To prevent this, it is essential that WEEE is separated from general waste and processed through approved recycling channels.

The crossed-out wheelie bin symbol serves as a reminder that this product requires special handling in accordance with local WEEE regulations.

IP20

