

# Installation Instructions

## Power Ray: S-PR-\_/40/B



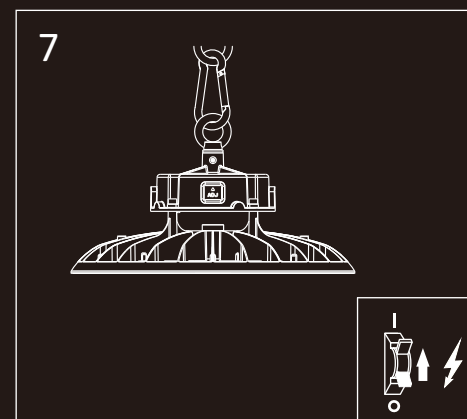
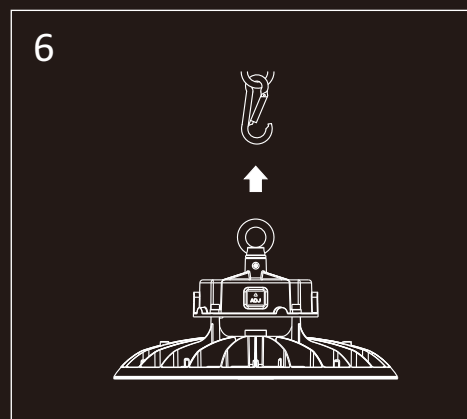
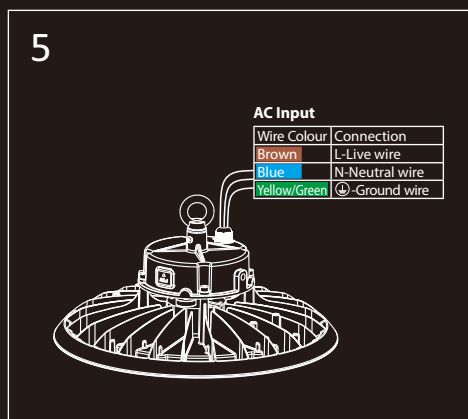
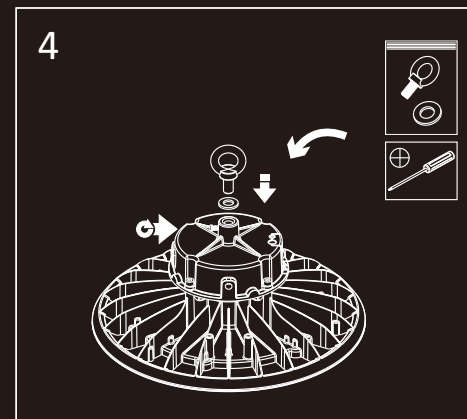
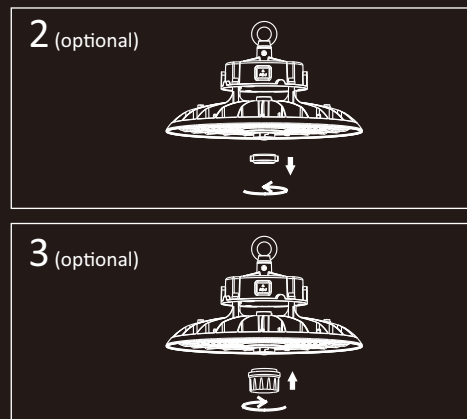
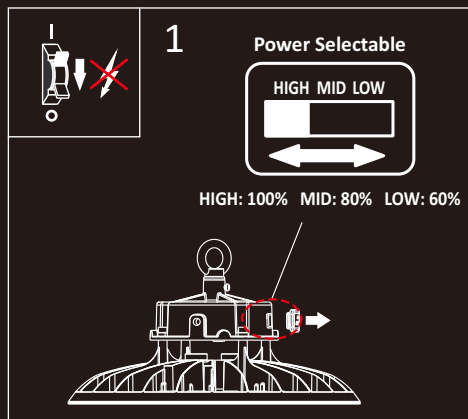
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Apollo Park  
Warrington  
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### Safety Precautions.

- 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 220–240V~ 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**



### Installation Instructions

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

Power Selection. Select the desired power output (HIGH: 100%, MID: 80%, LOW: 60%) using the power selectable switch on the fixture.

Fig 2. Optional – Sensor Accessory.

Zhaga Base Cover Removal. Rotate the base cover of the fixture counterclockwise to remove it.

Fig 3. Optional – Sensor Accessory

Sensor Installation. Align the PIR (S-PRMS/ IP65) or Microwave (S-PR-PIR/IP65) sensor with the mounting holes on the fixture base, then rotate clockwise to lock it securely in place.

Fig 4. Eyebolt Installation.

Align the eyebolt assembly with the fixture top, rotate and fasten firmly, then secure with retention screws.

Fig 5. The fixture if pre-wired with a supply cable.

Connect supply cables to appropriate termination point or junction box.

These products are intended for use with a mains supply of 220–240V~ at 50/60Hz. Ensure a permanent supply is utilised.

Fig 6. Attach product to desired suspension point.

Hook the fixture's and ensure it is secure.

It is recommended to use a Suspension / Hanging Clip dimensions of  $\varnothing 6 \times 60 \text{mm} / \varnothing 8 \times 80 \text{mm}$ .

Fig 7. Reinstall power supply.

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# Installation Instructions

## Power Ray: S-PR-\_/40/B



### Specification

#### S-PR-100/40/B

- Voltage Range - 220-240V 50/60Hz
- CCT - 4000K
- CRI80
- 100W(60W/80W)
- 16,000lm / 160Lm/W
- Temp Range -30°C to +45°C

#### S-PR-150/40/B

- Voltage Range - 220-240V 50/60Hz
- CCT - 4000K
- CRI80
- 150W(90W/120W)
- 24,000lm / 160Lm/W
- Temp Range -30°C to +45°C

#### S-PR-200/40/B

- Voltage Range - 220-240V 50/60Hz
- CCT - 4000K
- CRI80
- 200W(120W/160W)
- 3,200lm / 160Lm/W
- Temp Range -30°C to +45°C

#### S-PR-HB/\_/EM3

- Voltage Range - 220-240V 50/60Hz
- 3hr Maintained Emergency
- Temp Range 0C to +60°C

#### S-PR-HB/5/EM3

- Emergency power - Min.:4.5W nom.:5.0W

#### S-PR-HB/8/EM3

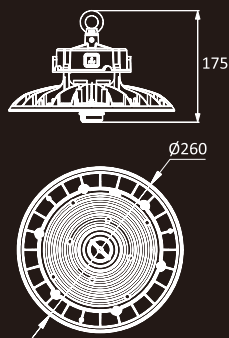
- Emergency power - Min.:7.5W nom.:8.0W

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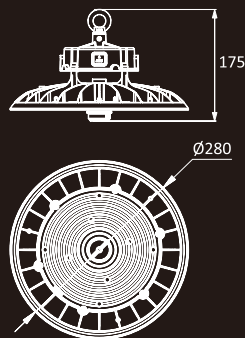
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### Dimensions (mm)

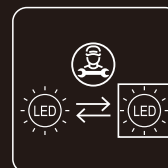
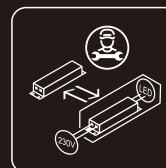
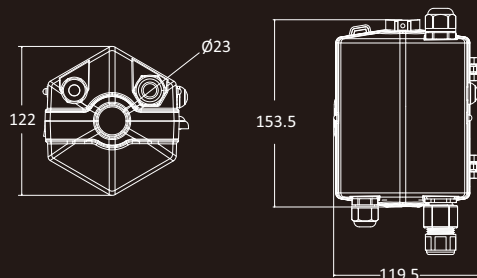
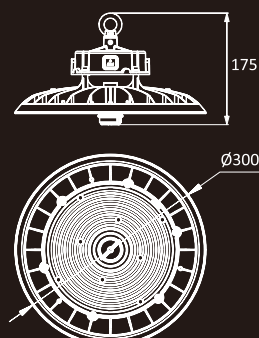
#### 100W



#### 150W



#### 200W



### ⚠ Important Disposal Information or Waste Electrical & Electronic Equipment (WEEE)

Please be aware that Waste Electrical and Electronic Equipment (WEEE), identified by the crossed-out wheellie 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 wheellie bin symbol serves as a reminder that this product requires special handling in accordance with local WEEE regulations.

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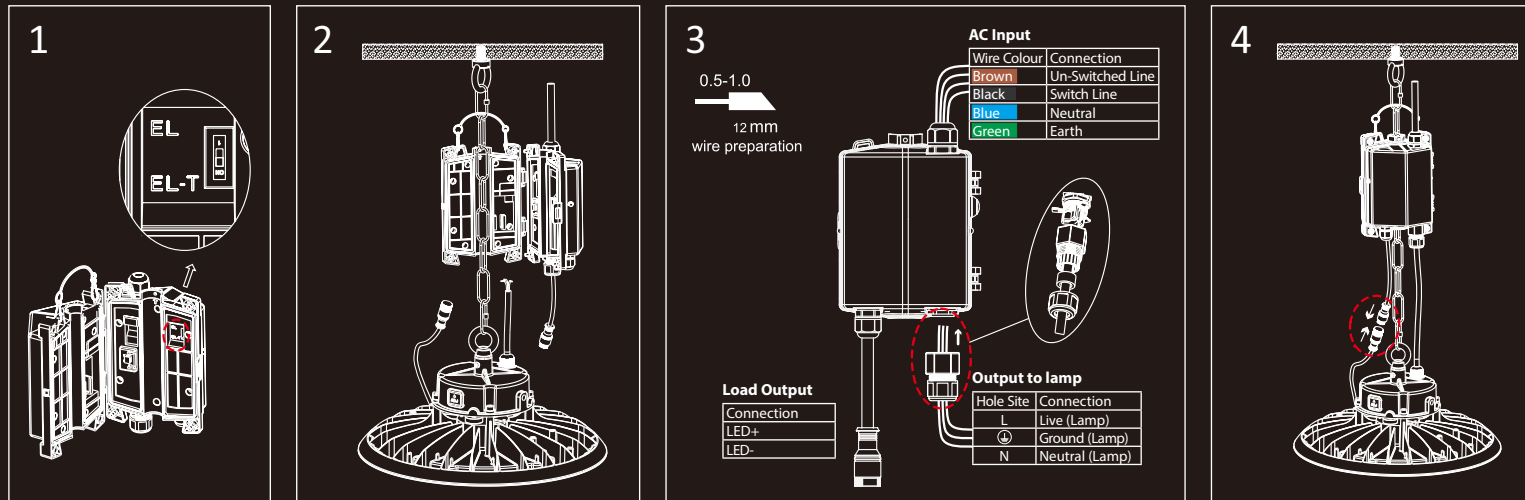
## Power Ray: S-PR-HB/\_/EM3



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### EM3 Instructions



### Installation Instructions

**Fig 1. Emergency Pack Mode Switching.**  
The factory default setting of the emergency pack is EL-T (Self-Test Operation). An alternative mode (EL – Manual Test Operation, manual operation of the emergency kit) is provided.  
To switch modes, loosen the screws of the emergency pack, open it, and perform the switch.

**Fig 2. Chain Installation.**  
Pass the accessory chain through the emergency pack and securely connect it in-line between the luminaire and the ceiling.

**Fig 3. AC Wire Connection to Emergency Pack.**  
In accordance with the diagram, connect the AC wires to the emergency pack.  
These products are intended for use with a mains supply of 220–240V~ at 50/60Hz. A permanent supply is required for operation. Ensure correct polarity is observed.

**Fig 4. DC Connector Connection.**  
Plug the exposed DC connector of the luminaire into the corresponding port on the emergency pack.

#### Self-test

The emergency kits carry out self-tests automatically to ensure its functionality. The self-test includes 3 types of tests:

#### Initial test

-As soon as mains supply is connected, the emergency kit will carry out a 3-seconds functional test automatically.  
- In case of a failure, the LED will turn permanent red. Otherwise, the charge mode will start.

#### Functional test

- Refers to charging, discharging and the functioning of load.  
- Carry out for 10 seconds automatically every 30 calendar days.

#### Duration test

- Refers to the test of batteries capacity.  
- Carry out every 180 calendar days.

#### Rest mode

Rest mode can be initiated during emergency mode by pressing test switch longer than 3 seconds. The rest mode will be exited automatically after reconnect AC mains.

#### Please note

If mains supply is off during self-test period, emergency conversion module would terminate self-test immediately and go into emergency mode.

Self-test is under the regulation of EN 62034.

### Explanation of LED indicator

	Color	LED indication	Status	Comment
	Green	Slow flashing green (3 sec on, 1 sec off)	Charging Mode	AC mode
	Green	Permanent green	Fully Charged	AC mode
	Green	Fast flashing green (0.1 sec on, 0.1 sec off)	Function test underway	
	Green	Slow flashing green (1 sec on, 1 sec off)	Duration test underway	
	Red	Permanent red	Load failure	Open circuit/ Short circuit Led failure (emergency mode)
	Red	Slow flashing red (1 sec on, 1 sec off)	Battery failure	Battery failed the duration test or function test / No battery
		Green and red off	DC mode	Battery operation (emergency mode)

#### Attention

- To guarantee the rated discharge time, please charge the battery for more than 12 hours.  
Please ensure that the voltage is 80% higher than the rated voltage, less than 110% of the highest rated voltage.  
- Charge and discharge cycle needs to be done at least once every three months, and the continuous charging time can not exceed 3 months.

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