



# Solar lowbay for places without access to electricity or with unreliable power supply.

# SmartBright Solar Lowbay

Solar lowbay do-it-yourself kit with integrated Lithium battery and controller. A separated solar panel inside the packaging. Adjust working mode by remote controller.

#### **Benefits**

- · Energy Savings & Environmentally Friendly
- · Easy Installation
- · Cost-Effective
- · Remote Control
- · Daytime Working
- External DC Charging

#### **Features**

- · Wide applications
- · Easy to installation
- Extra low volatge safe application.
- · PIR motion sensor
- $\cdot$  Metal housing with IP44 rating
- $\cdot$  Choose differnt working modes by remote controller
- $\boldsymbol{\cdot}$  Turn on the light at daytime by remote controller
- · External 24VDC charging available

# **SmartBright Solar Lowbay**

## **Application**

- Under Canopy
- Backyard
- Parking Shed
- Warehouse
- Amenity

## **Warnings and Safety**

 $\boldsymbol{\cdot}$  Charge the battery under Sunlight at least 8 hours before first use.

#### Versions

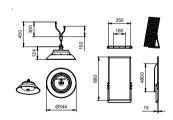


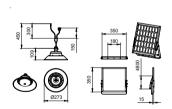


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## Dimensional drawing





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| Color rendering index (CRI)           | 70                |
|---------------------------------------|-------------------|
| Cotor rendering index (CRI)           | 70                |
| Operating and Electrical              |                   |
| Battery charging & discharging cycles | 800               |
| Battery type                          | LiFePO4           |
| Charge controller type                | PWM               |
| Panel type                            | Mono crystalline  |
| Panel voltage                         | 15 V              |
|                                       |                   |
| Temperature                           |                   |
| Ambient temperature range             | 0 to +50 °C       |
|                                       |                   |
| Controls and Dimming                  |                   |
| Dimmable                              | Preset Dimming    |
| Configurability                       | Not configurable  |
| Machanian and Hausine                 |                   |
| Mechanical and Housing                |                   |
| Housing Color                         | Aluminum          |
| Approval and Application              |                   |
| Ingress protection code               | IP44              |
|                                       |                   |
| Application Conditions                |                   |
| Battery location                      | Inbuilt luminaire |
| Grid connection type                  | Off grid          |
| Solar dimming profile                 | Dimming setting   |
|                                       | by remote         |
|                                       | controller        |

## Light Technical

| Order Code   | Full Product Name      | Correlated Color Temperature (Nom) |
|--------------|------------------------|------------------------------------|
| 911401800603 | BY010P LED16/740 Solar | 4000 K                             |
| 911401800803 | BY010P LED16/730 Solar | 3000 K                             |
| 911401886102 | BY010P LED16/765 Solar | 6500 K                             |
| 911401800703 | BY010P LED36/740 Solar | 4000 K                             |
| 911401800903 | BY010P LED36/730 Solar | 3000 K                             |
| 911401886202 | BY010P LED36/765 Solar | 6500 K                             |
|              |                        |                                    |

# Operating and Electrical

|              |                   | Battery     | Battery | Panel peak |
|--------------|-------------------|-------------|---------|------------|
| Order Code   | Full Product Name | ampere hour | voltage | wattage    |
| 911401800603 | BY010P LED16/740  | 3.3 Ah      | 12.8 V  | 15 W       |
|              | Solar             |             |         |            |
| 911401800803 | BY010P LED16/730  | 3.3 Ah      | 12.8 V  | 15 W       |
|              | Solar             |             |         |            |
| 911401886102 | BY010P LED16/765  | 3.3 Ah      | 12.8 V  | 15 W       |
|              | Solar             |             |         |            |

|              |                   | Battery     | Battery | Panel peak |
|--------------|-------------------|-------------|---------|------------|
| Order Code   | Full Product Name | ampere hour | voltage | wattage    |
| 911401800703 | BY010P LED36/740  | 9.9 Ah      | 9.6 V   | 32 W       |
|              | Solar             |             |         |            |
| 911401800903 | BY010P LED36/730  | 9.9 Ah      | 9.6 V   | 32 W       |
|              | Solar             |             |         |            |
| 911401886202 | BY010P LED36/765  | 9.9 Ah      | 9.6 V   | 32 W       |
|              | Solar             |             |         |            |

## Mechanical and Housing

| Order Code   | Full Product Name      | Overall height | Overall length | Overall width |
|--------------|------------------------|----------------|----------------|---------------|
| 911401800603 | BY010P LED16/740 Solar | 155 mm         | 273 mm         | 273 mm        |
| 911401800803 | BY010P LED16/730 Solar | 155 mm         | 273 mm         | 273 mm        |
| 911401886102 | BY010P LED16/765 Solar | 155 mm         | 273 mm         | 273 mm        |
| 911401800703 | BY010P LED36/740       | 170 mm         | 344 mm         | 344 mm        |
|              | Solar                  |                |                |               |

| Order Code   | Full Product Name      | Overall height | Overall length | Overall width |
|--------------|------------------------|----------------|----------------|---------------|
| 911401800903 | BY010P LED36/730 Solar | 170 mm         | 344 mm         | 344 mm        |
| 911401886202 | BY010P LED36/765 Solar | 170 mm         | 344 mm         | 344 mm        |

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