

## HIGH PERFORMANCE FLOODLIGHT INSTALLATION GUIDE



Please read these installation instructions carefully before installing or maintaining this equipment. The product is designed for installation and maintenance in accordance with relevant Australian standards (AS/NZS3000), by an authorised and licensed electrician. The installation instructions were correct at the time of print. To reflect changes in technology and Australian and New Zealand standards; Haneco reserves the right to amend the instructions without notice. Updated guidelines can be found on relevant brand web site.

### PRODUCT NAME: TERRALUX SP

#### Product Specification

Product code	TLSP06-A1740
IP Rating	IP66
Nominal Voltage/ Frequency	220-415Vac, 50/60Hz
Power Factor	> 0.90
Circuit Wattage	600W
Drive Current	1.95A
Inrush Current	16A
Leakage Current	0.7 mA
Dimming Technology	DALI2.0 (DMX optional)
Colour Temperature	4000K
Install Type	Mounting Bracket
Lumen Maintenance	Up to 90,000 lm
Warranty	7 Years



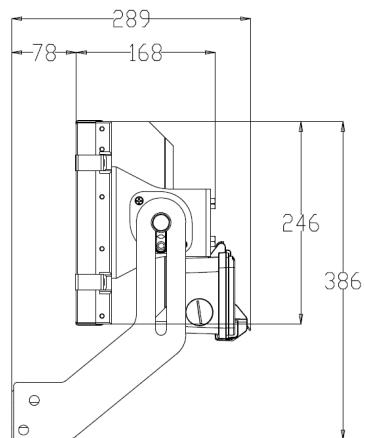
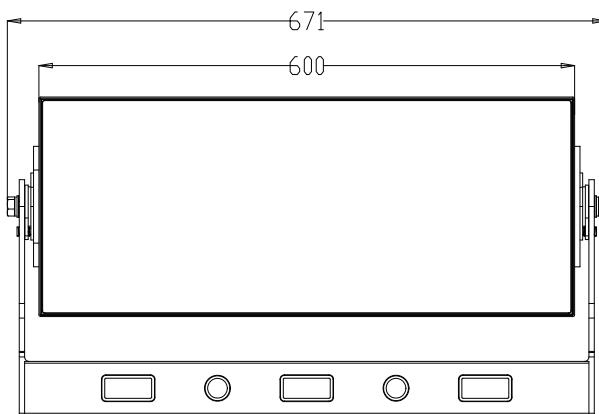
**APPROVALS:** The RCM marking of this product applies to AS/NZS CISPR15 (EMC) "Limits and methods of measurement of radiodisturbance characteristics of electrical lighting and similar equipment". This product is designed to conform to AS/NZS60598 Luminaires, general requirements and tests".

**STORAGE:** Prior to installation products are to be stored in cool and dry conditions.

**APPLICATION:** The installation application and orientation of the product is designed in accordance with the nominated product IP rating, class designation and these installation instructions, installation environments and operating conditions beyond these instructions are not recommended.

#### WEIGHT & DIMENSION

Product code	Dimensions (mm)	Weight (kg)
TLSP06-A1740	600 x 246 x 168 (not including trunnion)	16 kg (without driver)

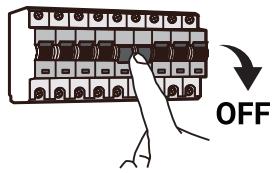


Service & Warranty



 **WARNING**

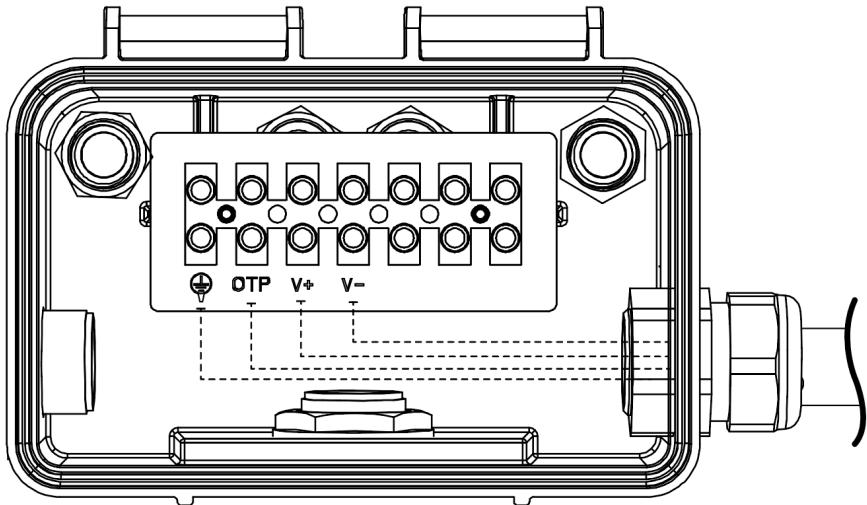
Turn off power supply before installation or before doing any maintenance work.



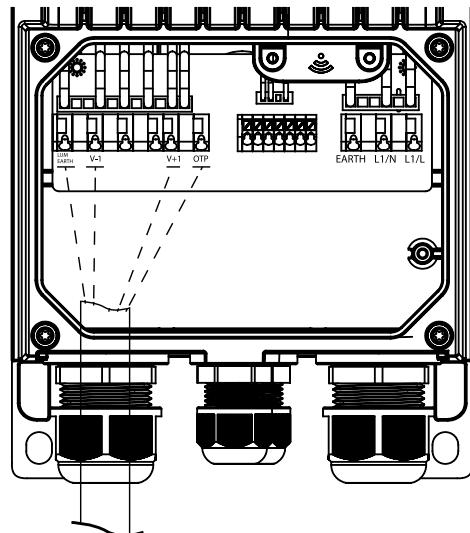
## 1. Electrical Installation

### Connecting the 600W Lamp to the Power Supply and Securing Wiring

**Floodlight Junction Box**

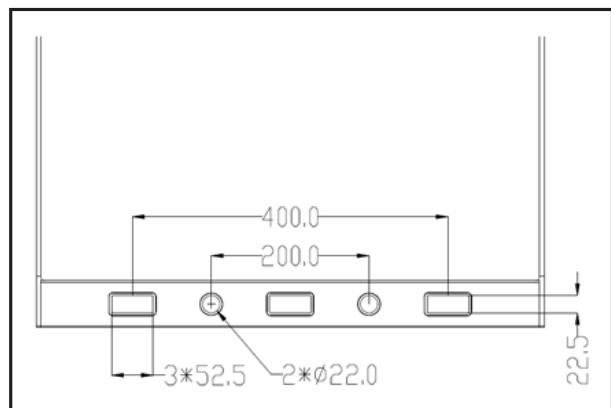
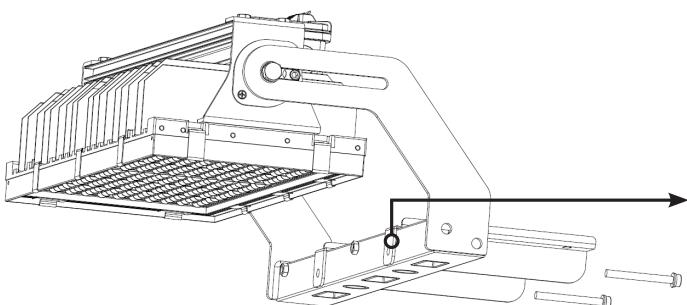


**Floodlight Driver Box**



600W lamps are directly connected to the **NFS-600S210BC Inventronics Power Supply**. Note that the wire labels must correspond to the terminal position labels. After connecting the wires, use cable ties to tie the wires to the bracket to prevent the wires from moving around.

## 2. Mounting Instructions



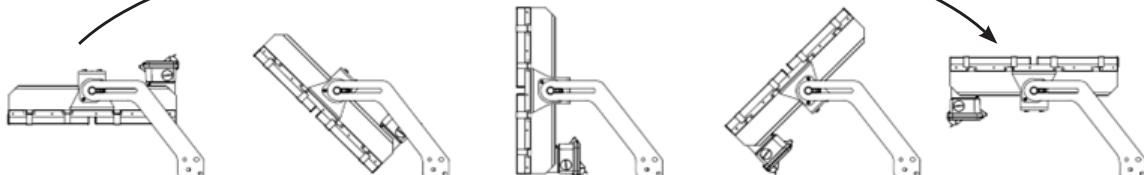
Use M20 screws with oversized washers to lock the bracket for installation. Screws are not provided in the package.

### Lighting direction

90°

0°

180°

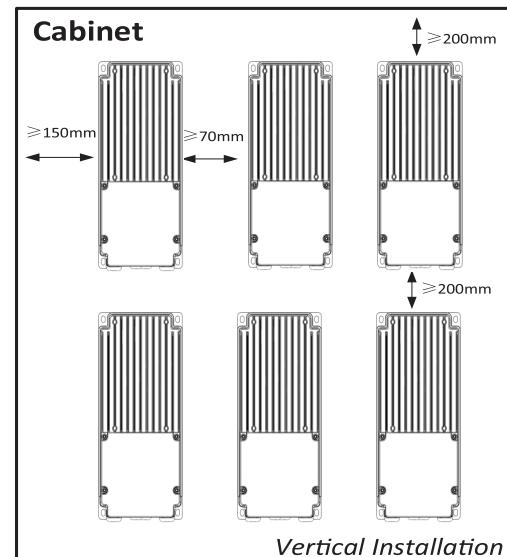
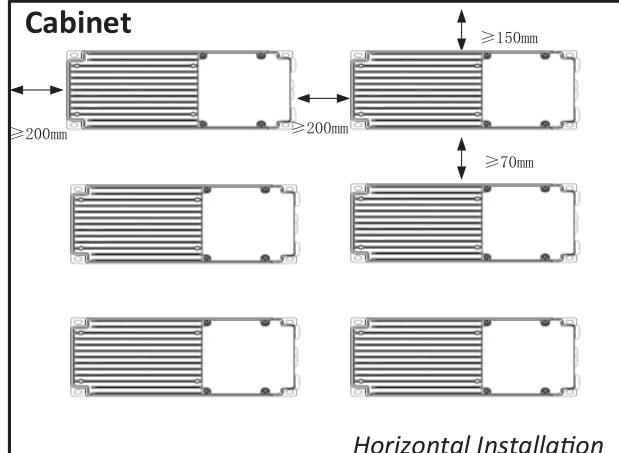


### 3. Thermal Clearance & Driver Spacing Guidelines

#### Installation Orientation and Thermal Management

The distance between drivers and side walls is recommended as shown in drawing, the thermal testing suggested to be evaluated under real installation and application conditions, and ensure its case temperature is lower than 80 C warranty Tc.

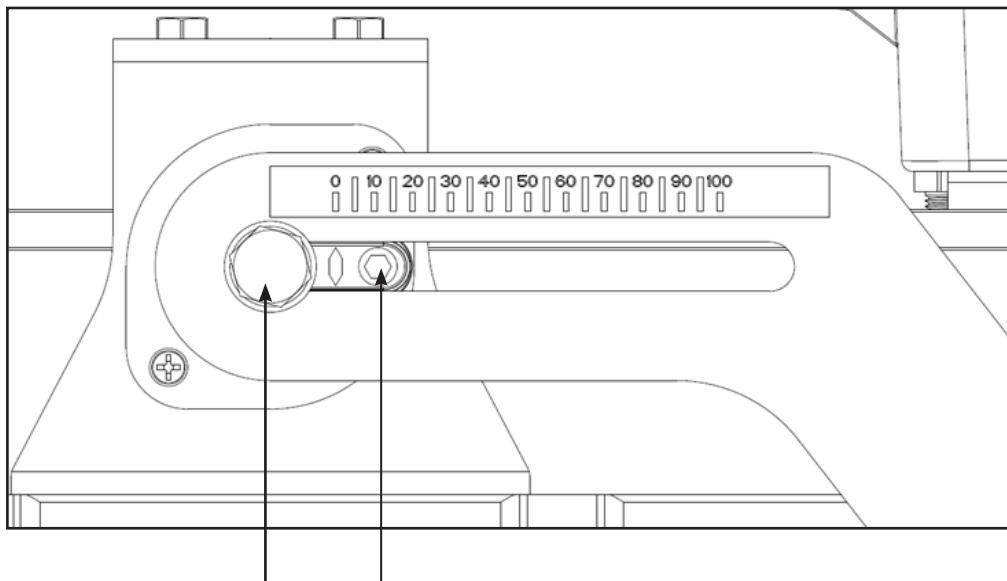
A painted cabinet enclosure suggested to be selected with high reflectance ratio to reduce solar radiant heat.



The installation orientations are not recommended for the outside exposure application as right illustration shown.



## 4. Tilt Angle Adjustment and Forward/Backward Positioning



**Torque 95NM**

Torque setting

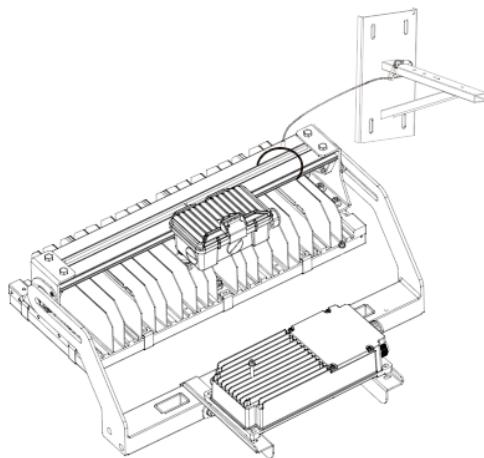
**Torque 20NM**

Torque setting

Slightly loosen the center M12 screw until the angle and position of the lamp can be adjusted. After adjusting to the appropriate angle according to the scene requirements, tighten the center screw according to the specified torque, and then tighten the limit screw according to the specified torque.

The floodlight can be adjusted 100mm forward and backward according to the needs of the site. The initial position of the product will be 100mm. If there are no special circumstances, the lamp should be locked at the front 0mm position as shown in the figure. After adjustment, make sure both sides are in the same position

### Installing the Safety Rope



The safety cable is included with the luminaire and must be secured around the cross arm using the snap buckle, as illustrated. This cable serves as a fall-protection measure during maintenance or replacement. Important: It is not intended to bear the weight of the luminaire for extended periods and should not be used as the primary support.

### Accessing the Junction Box



To access the internal wiring, open the junction box by releasing the latch located at the top of the cover. Once electrical connections are complete, close the cover and ensure the latch is securely engaged. This mechanism prevents unauthorized access and maintains proper sealing of the enclosure.



## 5. Aiming & Adjustment

After the luminaire is securely mounted and wired, adjust the beam angle according to site-specific lighting requirements.

### Set the Horizontal Orientation

Before adjusting the tilt, slightly loosen the mounting bolts that secure the trunnion bracket to the pole or cross arm and rotate the luminaire horizontally to align it with the target area or reference point on-site. Ensure the fixture is positioned according to the lighting layout or aiming plan. Use straight edge such as the heatsink for aiming reference.

### Loosen the Central M12 Bolt

Slightly loosen the center M12 bolt until the luminaire can be freely tilted. This enables adjustment of the vertical aiming angle.

### Set the Desired Angle

Adjust the luminaire to the appropriate tilt angle based on the lighting layout and target area. Aiming angles should be determined according to the photometric design or site simulation.

### Secure the Tilt Position

Once aligned, tighten the center M12 bolt to the recommended torque to lock the tilt angle in place. Then, tighten the angle limit screw (if equipped) to further secure the aiming position.

### Verify Symmetry

Ensure both mounting sides of the luminaire are positioned evenly. Uneven positioning may affect aiming precision and structural balance.

*Caution: Always re-check fasteners and ensure all adjustment points are securely tightened after aiming is complete.*

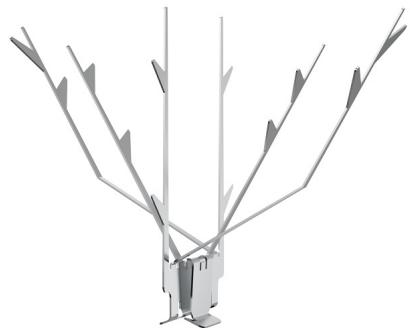
## 6. Installing the Bird Spikes - Accessory included

### Locate the Installation Points

Identify the heat sink fins on the top of the luminaire where the bird spikes will be installed.

### Attach the Bird Spikes

Align each bird spike with the designated fins and press firmly to push the spike base onto the fins until securely fitted. Ensure all spikes are evenly spaced and properly seated.



### Final Check

Confirm that all spikes are stable and not interfering with the aiming or ventilation of the luminaire.