

Operation Manual

SANlight EVO Compact

By purchasing a SANlight EVO Compact Series you have decided on a high quality product, which will give you much pleasure. Please read the operating instructions before using your EVO Compact LED, as incorrect use can cause damage to the lamp or plants. If the EVO Compact is not used properly, all warranty claims and the manufacturer's product liability expire.

ATTENTION photobiological safety advice: The EVO Compact Series is used exclusively for illuminating plants and is not intended for general lighting purposes. According to DIN EN 62471, the EVO Compact is classified in risk group 1. Nevertheless, avoid unnecessarily long irradiation or looking directly into the light source. The EVO Compact Series includes following models: EVO 2C, EVO 3C, EVO 4C, EVO 5C, EVO 6C, EVO 8C

Guarantee Policy

This device has been designed, manufactured and tested in accordance with the European safety standard (EN60598/CE). The guarantee for the LED-light and accessories is 3 years from the date of purchase. The guarantee does not apply to equipment that has not been installed and maintained as specified in this manual. The manufacturer assumes no responsibility for damage caused by unauthorized or incorrect use. In case of damage, the device (LED-light incl. power supply) must be returned to the respective SANlight sales partner, from whom the product was purchased. They send the defective goods to the manufacturer, SANlight GmbH. After repair by the manufacturer, the device is returned to the respective sales partner.

Work and repairs

Repairs and works may only be carried out by the manufacturer. If repairs, modifications and other works are not performed by the manufacturer, the manufacturer's warranty and product liability expire.

Scope of delivery

Figure 1+2 shows all components of your SANlight EVO Compact (depending on model). Please check the content of the packaging for completeness and damage. Never use damaged components.

Electrical connection of the EVO Compact

The LED module must be connected to the power supply unit for the power supply. To do this, connect the plug of the DC supply cable on the LED module to the socket of the DC cable on the power supply unit. For this purpose, the plug and the socket have printed arrows that must point towards each other.

Connection sequence

The connection sequence must be followed! First connect the DC cables and then the AC cable. If you disconnect the EVO Compact from the power supply, proceed in reverse order (disconnect the AC supply cable first and then the DC cable). Failure to comply with this instruction may result in the destruction of the EVO Compact. All guarantee and warranty claims will be invalidated. The EVO Compact has a hot-plug lock as a safety feature: If the connection sequence is not followed, it will not switch on. Always connect the driver to the light first, then connect it to the power supply! For a detailed guide see the installation guide on the following pages.

Laying the cables

When laying all cables, ensure a strain-relieved fixation. Cabling should not be exposed to tensile load. All cables must be completely unwound. The LED-module and the power-supply unit must not be operated with coiled cables.

Power supply

When using several EVO Compact modules, a distance of at least 10mm must be maintained between the individual power supplies. Stacking the power-supply units is not permitted.

Technical data

For technical data, please refer to the separate data sheet for the EVO Compact Series.

	Attention: Do not look directly into the light source.		Attention: Do not cover the light source.		Attention: Risk of shock. Disconnect power before working on the light.
	Attention: Keep a safety distance of at least 15cm to surrounding objects.		Dust tight, protection against water jets from any direction.		The LED must not be disposed in household waste! It can be handed back to the manufacturer. Disposal costs are borne by the manufacturer.



Figure 1



Figure 2

Handling the LED module and general warnings

To clean the secondary optics of your EVO Compact, please use a soft, non-abrasive cloth with distilled water. Under no circumstances should you use other aids such as cleaning agents, damp cloths, etc. For cleaning, the luminaire must be disconnected from the mains. Make sure that the secondary optics are not scratched by cleaning. Scratched or damaged secondary optics result in reduced light output and poor light control. To clean the heat sink, please also use a soft, non-abrasive cloth with distilled water. For very heavy soiling, you can use a mild soapy water solution.

Hazard warnings

ATTENTION: Avoid direct contact of the LED module with plant parts.

ATTENTION: The EVO Compact may be operated up to a maximum ambient temperature of 35 °C. The minimum ambient temperature is 5 °C.

ATTENTION: Avoid unnecessary mechanical stress on the LED-module, the power-supply, and all cables.

ATTENTION: Carefully secure the LED-module against falling and mechanical stress of any kind.

ATTENTION: The LED-module can become up to 65 °C hot depending on the ambient temperature. Make sure there is sufficient ventilation at the place of use and keep a safety distance of at least 15 cm from surrounding objects. The LED-module must not be operated in closed rooms without air supply.

ATTENTION: Use the EVO Compact only with the provided power-supply. The use of other power-supplies will destroy the LED-module.

ATTENTION: If damage can be seen on the power-supply unit, on the LED-module, on the cables or on the suspension, the EVO Compact must no longer be operated. In this case, disconnect the EVO Compact from the general power-supply immediately. To do this, pull the mains connection cable out of the socket.

Installation guide for EVO 2C, EVO 3C, EVO 4C and EVO 5C:



Step 1: Make sure you have all necessary parts at hand.



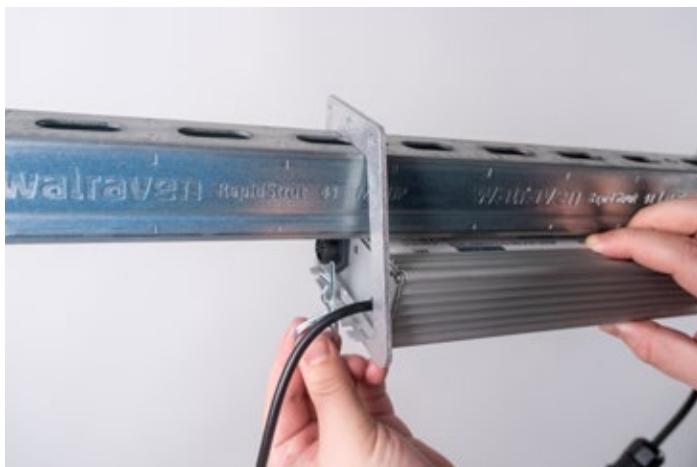
Step 2: Place the driver hanging brackets on the support beam.



Step 3: Place LED driver between the hanging brackets.



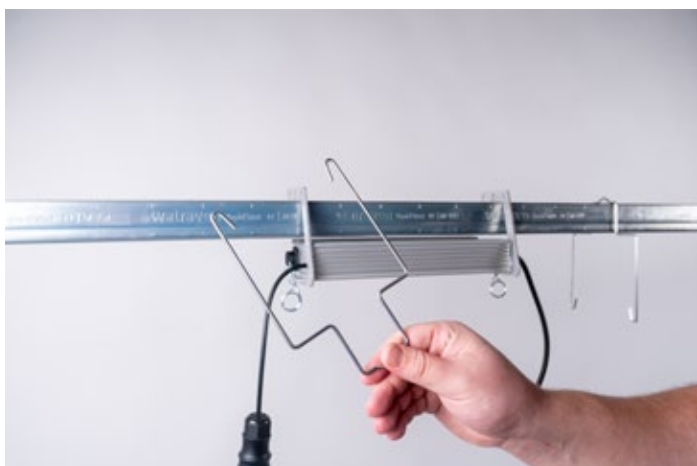
Step 4: Slide the LED driver support into the corresponding slot in the hanging brackets.



Step 5: Secure front and back end of the driver with the splints in the slot of the hanging brackets.



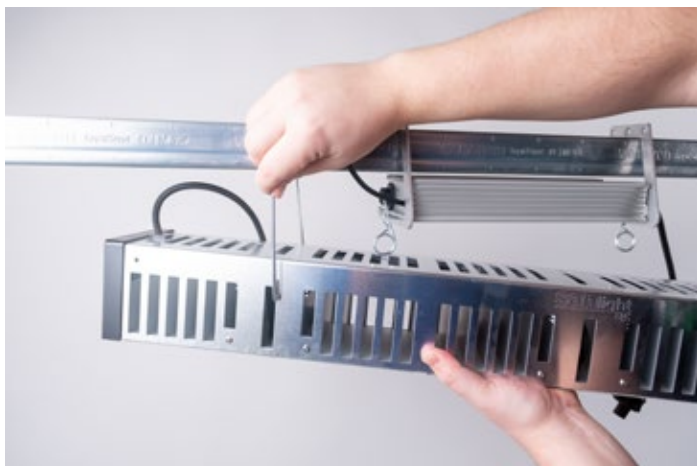
Step 5: Secure front and back end of the driver with the splints in the slot of the hanging brackets.



Step 6: Take the LED hanging brackets and place them left and right of the driver.



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Step 7: Secure the LED with the LED hanging brackets in the front and back.



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Step 7: The LED hanging brackets should always be mounted in the middle slot of the front e.g. back module.



Step 8: Take the DC cable and make sure the orientation matches with the plug on the LED driver.



Step 8: Plug in the DC cable into the plug on the LED driver.



Step 8: Make sure the DC cable is plugged in right. The blue collar will make a „click“ sound.



Step 9: Get the cable binders.



Step 10: Place them on the LED driver hanging brackets



Step 10: Place them on both sides.



Step 10: Now you can secure the dimming signal plug.



Step 1: Also attach the AC plug.



Step 11 (optional): If the dimming signal plug is not needed close it with the enclosed protection cap.



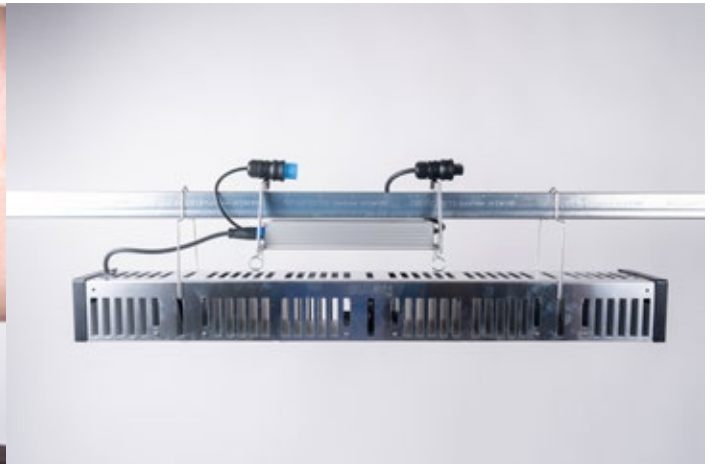
Step 11 (optional): Make sure the plug and the protection cap have the same orientation for the safety pin.



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Step 11 (optional): When the protection cap is plugged in right it will make a „click“ sound. Now the connection is IP65 sealed.

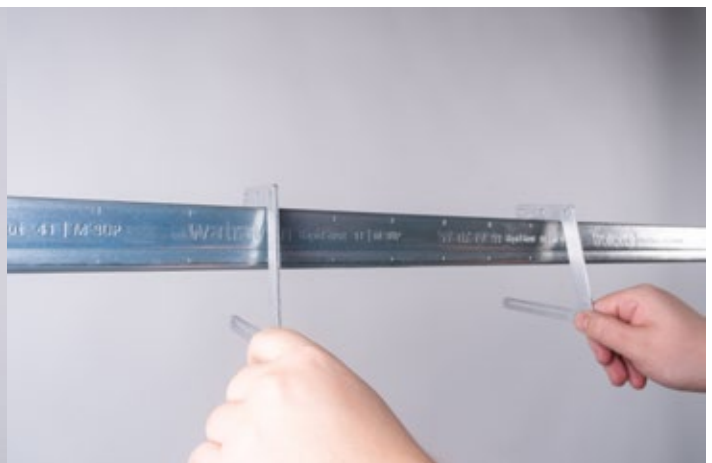


Step 12 Now the EVO Compact is ready to be connected to a power source (black/green plug) and dimming signal (blue plug).

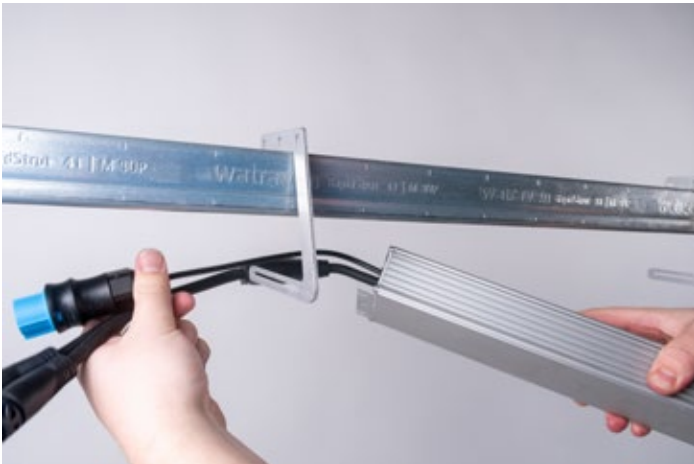
Installation guide for EVO 6C and EVO 8C:



Step 1: Make sure you have all necessary parts at hand.



Step 2: Place the driver hanging brackets on the support beam.



Step 3: Place LED driver between the hanging brackets.



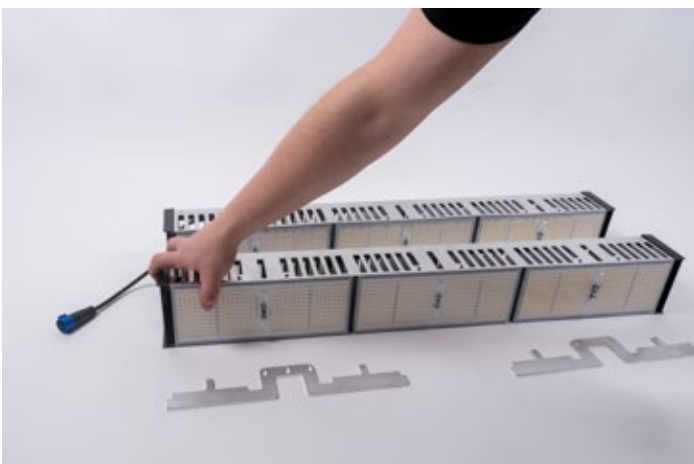
Step 4: Slide the LED driver support into the corresponding slot in the hanging brackets.



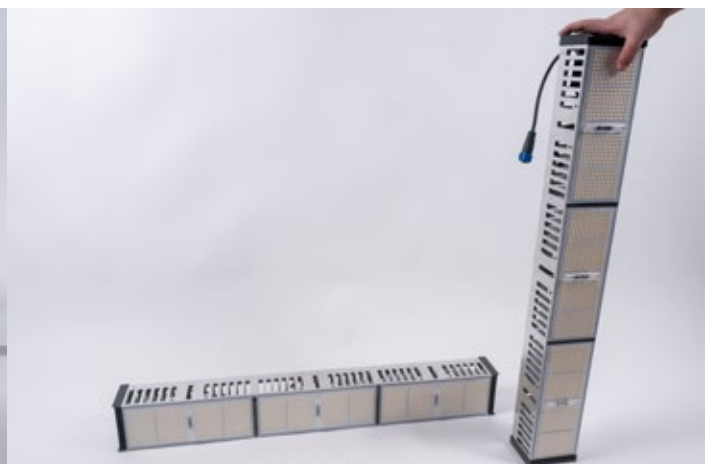
Step 5: Secure front and back end of the driver with the splints in the slot of the hanging brackets.



Step 5: Secure front and back end of the driver with the splints in the slot of the hanging brackets.



Step 6: Position both luminaires and LED hanging brackets.



Step 7: Place one luminaire in an upright position.



Step 7: Insert the LED hanging bracket in the second slot after the middle of the module (9 slot overall from the right e.g left).



Step 7: Make sure the LED hanging bracket is inserted all the way in.



Step 7: Make sure the LED hanging bracket is inserted all the way in and comes out the same slot on the other side.



Step 7: Make sure the LED hanging bracket is inserted all the way in and comes out the same slot on the top side. Here secure it with a splint.



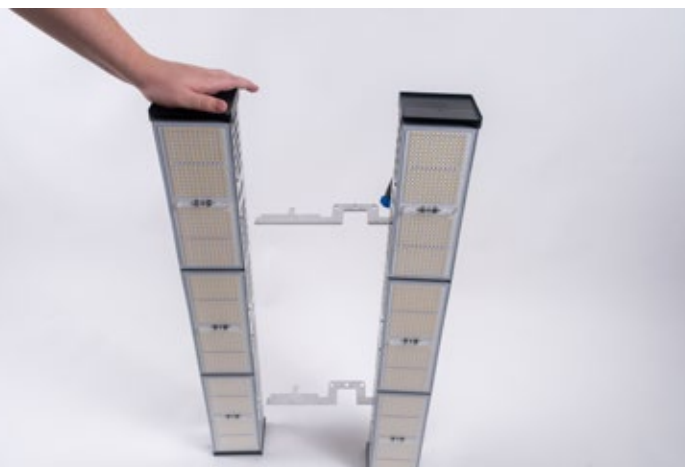
Step 8: Repeat the process on the other end of the luminaire.



Step 8: Make sure the LED hanging bracket is positioned the right way.



Step 8: Secure the second LED hanging bracket also with a splint.



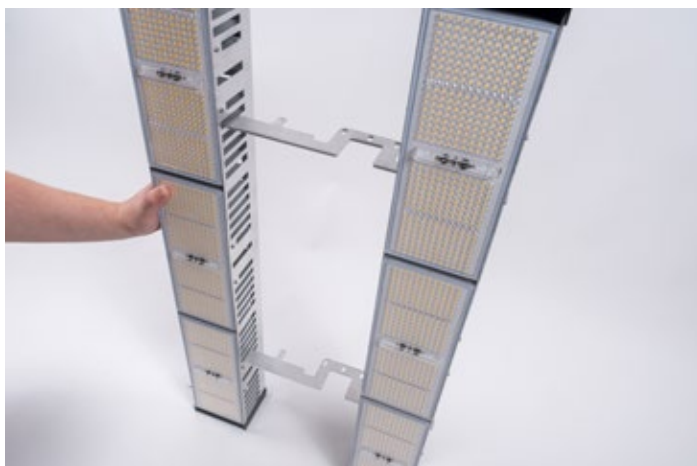
Step 9: Now you can place the second luminaire next to the one with the attached LED hanging brackets.



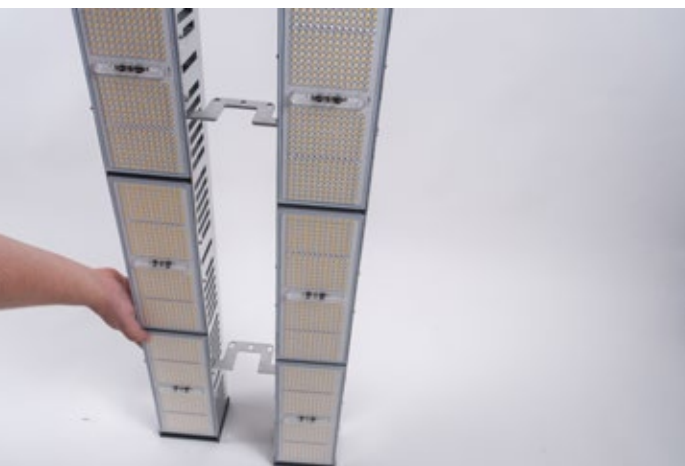
Step 9: Make sure both hanging brackets are positioned at the corresponding slot of the opposite luminaire.



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Step 9: Now you can slide the luminaire closer so the LED hanging brackets are in the right position on both luminaires.



Step 9: Make sure both LED hanging brackets are at the right position.



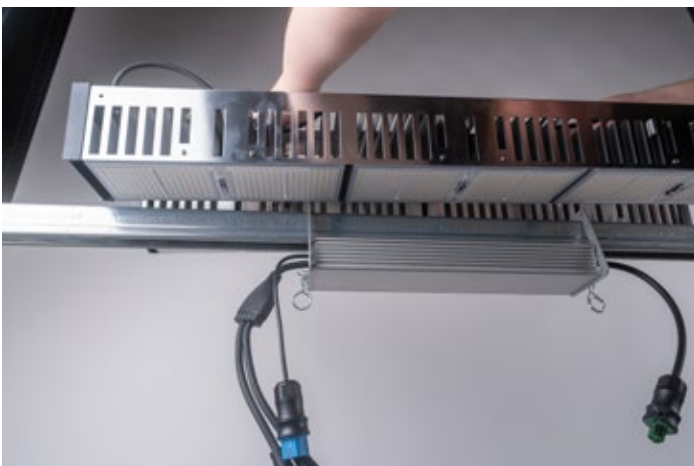
Step 9: Now secure the front and back LED hanging brackets with the splint.



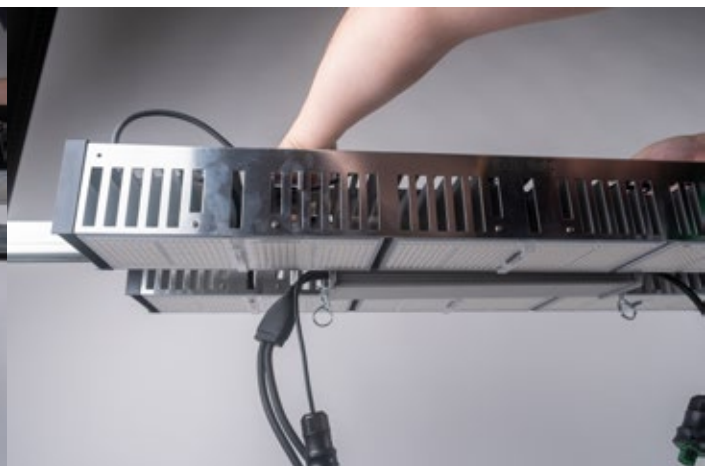
Step 9: Now secure the front and back LED hanging brackets with the splint.



Step 10: Now you can securely lift the assembled luminaire.



Step 10: Place the assembled luminaire above the support beam. Make sure the driver is between the LED hanging brackets.



Step 10: Slowly lower the assembled luminaire onto the support beam. Attention: Don't put your fingers between the beam and the hanging brackets.



Step 11: Take the two DC cables from the driver and route them over the carrier, between the carrier and the lights.



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Step 11: Connect both DC cables. Make sure the plugs are orientated correctly! You will hear a 'click' sound.



Step 11: The 'click' sound indicates a secure connection. The correct plug orientation is indicated by arrow symbols.



Step 12: Now the DC cables must be secured with cable ties.



Step 12: Depending on the model, you can attach the DC cables either to the support or to the luminaire suspension.



Step 12: Attach the enclosed cable ties to the suspension brackets. Take the dimming cable (blue plug) and attach it.



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Step 12: Attach the enclosed cable ties to the suspension brackets. Take the AC cable (green plug) and attach it.



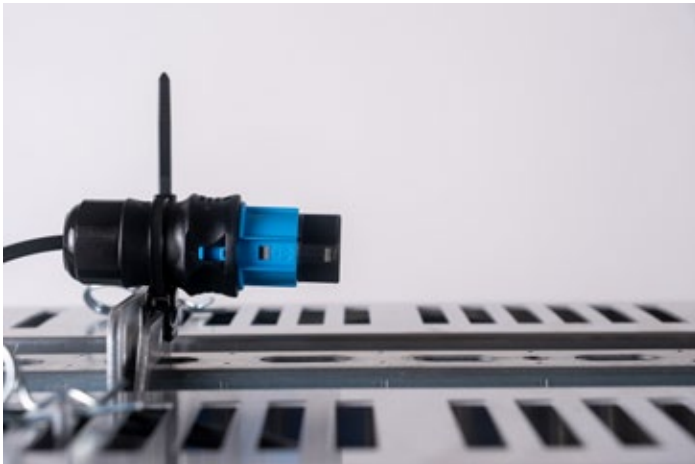
Step 12: Attach the enclosed cable ties to the suspension brackets. Take the AC cable (green plug) and attach it.



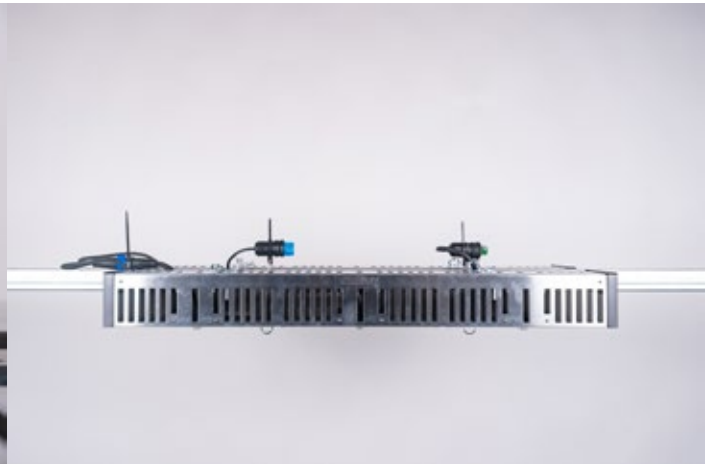
Step 13 (optional): If the dimming signal plug is not required, close it with the enclosed protective cap.



Step 13 (optional): Ensure that the plug and the protective cap have the same orientation for the safety pin.



Step 13 (optional): When the protective cap is correctly inserted, you will hear a 'click' sound. The connection is now sealed to IP65.



Step 14: The EVO Compact is now ready to be connected to a power source (green plug) and a dimming signal (blue plug).

Alternative mounting:

The EVO compact lights offer an alternative suspension option. Thanks to the holes in the suspensions, both the luminaire and the driver can be attached to chains or similar fasteners. Please note that the luminaire and driver each require separate fixings.

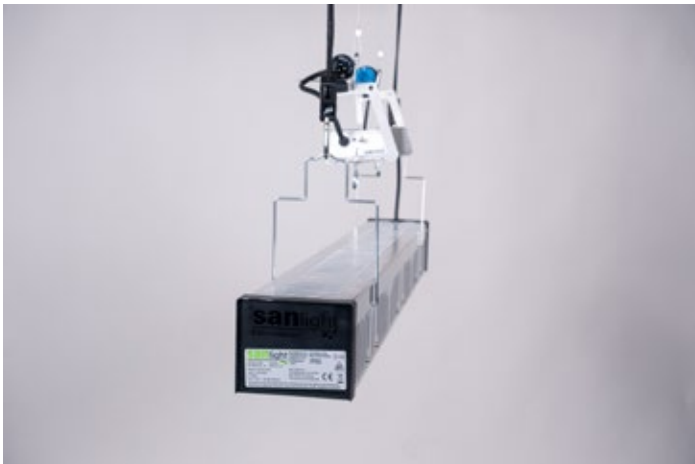
This flexible mounting option makes it possible to adapt the luminaire to a wide variety of mounting situations. Whether on fixed structures or mobile mounts, the EVO compact luminaire can be easily installed in a variety of environments.



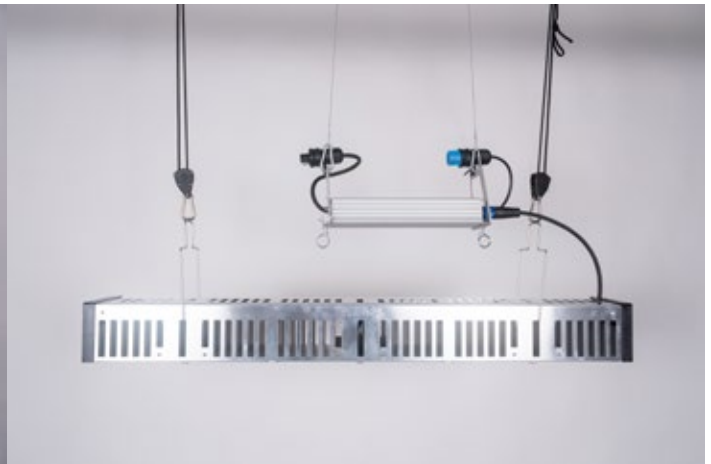
Single luminaires: The suspension allows a carabiner or similar to be attached in the centre. The light can be suspended from this.



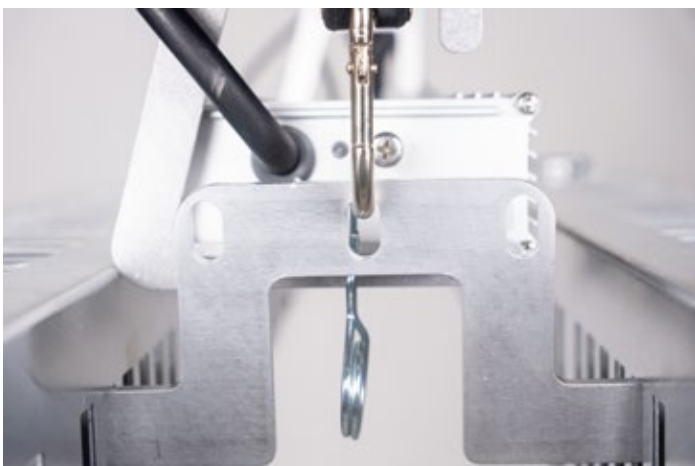
Single luminaires: The holes in the driver also allow it to be suspended.



Single luminaires: This suspension allows flexible positioning of the light.



Single luminaires: Driver and luminaire can hang at different heights. Only the cable length needs to be taken into account here.



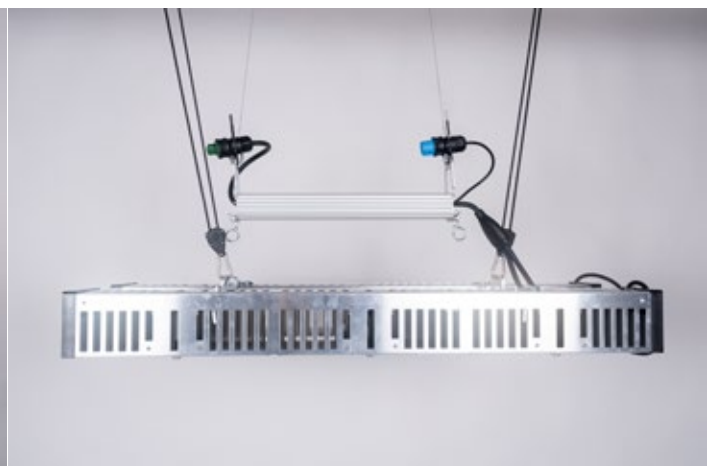
Double luminaires: The suspension allows a carabiner or similar to be attached in the centre. The light can be suspended from this.



Double luminaires: The driver can also be suspended through the holes.



Double luminaires: This suspension allows flexible positioning of the light.



Double luminaires: Driver and luminaire can hang at different heights. Only the cable length needs to be taken into account here.