

Hyperion ONE

Infrared illuminator



Installation manual



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DESCRIPTION

The **Hyperion ONE** is a compact infrared LED illuminator.

It provides optimal image quality with low consumption even at the longest distances. It's supplied in 3 different versions (S=short, M=medium and L=long) and 4 beam angles, including a new elliptical lens, which lights up the whole scene evenly, delivering a more homogenous illumination. The installation is extremely easy with no need of an external junction box. It's available also in low voltage (S and M versions are supplied in 24VUC, the L version is available in 24V~) and POE (S and M versions).

GENERAL & MECHANICAL

| | |
|--------------------------|---|
| Dimensions | See drawings page 7 |
| Wavelength | 850nm semi-covert |
| Temperature range | -50°C +50°C |
| Construction | Aluminium die cast moulding and techno polymers |
| Finish | RAL9002 Polyester powder coating |
| Mount | Wall/housing mount bracket included |
| Cabling | 1 power cable, 2 m (pre-wired) |
| Weight | 2,3 Kg |

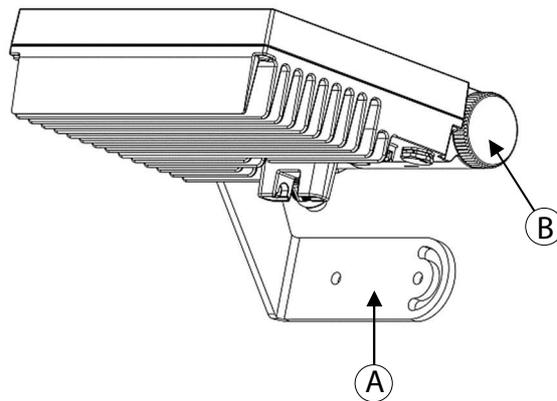
ELECTRICAL

| | |
|--------------------------------|--|
| Integrated power supply | 115/230V~ 24VUC (LV Series: S, M versions) 24V~ (LV Series: L version) |
| Power consumption | 8W (S version) 16W (M version) 24W (L version) |

PRELIMINARY REMARKS

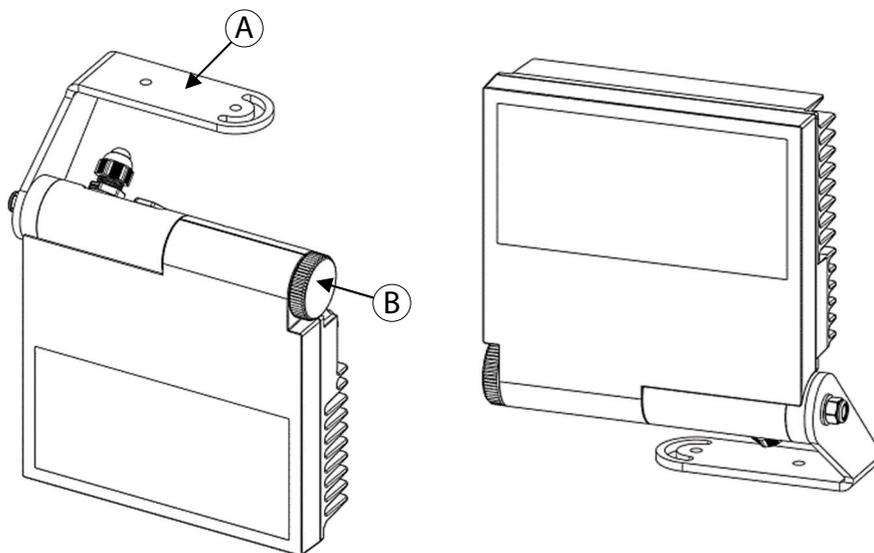
| | |
|---|--|
|  | Prior to installation and operation, read carefully all instructions in this manual and heed all warnings. |
| | Unpack this equipment and handle it carefully. If the package appears to be damaged, notify the shipper immediately. |
| | Use the original packaging to transport the unit. Disconnect power supply before moving it. In case of returning the equipment, the original packaging must be used. |
| | Make sure that the installation surface can support at least four times the weight of the unit in normal operating conditions. In case of excessive external stress (e.g. vibration, strong winds or impact), the equipment may need additional means of protection. |
| | Proper hardware should be carefully chosen to fasten the unit to the surfaces. |
| | Use caution when lifting and assembling the unit. It is recommended that non-slip protective gloves be worn during installation. The unit could bear sharp edges. |
| | To maintain the IP rating of the unit, it must be tightly closed when operating. |
| | For security reasons, do not install the unit in the proximity of water containers and never push objects or pour liquids into the unit. The unit can be safely used in damp environments or outdoors, as long as the connectors are properly sealed. |
| | Whenever EMC is an issue, adequately shielded cables must be used. |
| | When the illuminator is on, it could be hot. Before touching the illuminator or making any maintenance, turn off the device and wait until it gets cool. |
|  | This equipment has been designed to require little or no maintenance. Suggested inspection interval is 6 months, but extremely harsh environments may require more frequent inspection and maintenance checks. Check cables, electrical connections and mounting hardware for integrity and tightness. Replace or tighten any damaged/loose part. |
| | For a correct installation, it is not necessary to open the device. Opening and/or tampering the device will void the warranty. |
| | To clean plastic parts, use only water. |
| | Before performing any operation, turn off the power. The installation of the unit can be performed only by qualified personnel in accordance with the regulations in force. Do not connect the unit to a supply circuit unless the installation is completed. |
|  | Check carefully the supply voltage marked on the label. Incorrect Power Supply Voltage may damage the unit. Do not overload the terminal connection, as it may cause a fire or electrical shock hazard. |
| | An all-pole mains switch with an opening distance between the contacts at least 3mm in each pole must be incorporated in the electrical installation between the equipment and the main supply. Isolating switches, circuit breakers or any equivalent device can be used as a disconnection switch. Such switch must be very quickly recognizable and readily accessible. |
| | Electrical connections (such as plugs and cords) must be protected from potential hazardous environmental factors (e.g. foot traffic, hitting objects). |
|  | When leaving the unit unused for long periods, disconnect supply cables. |
| | When the illuminator is working, it emits an infrared radiation which is not visible to the human eye; do not look directly the radiant side (front side of the device) from a distance less than 2 meters. |
| | The device emits infrared radiation through LED. Use of controls, regulations or proceedings, different from those stated in this manual, can cause dangerous exposures to infrared radiation. Protective eyewear must be wore. |
| | Please follow safety precautions given in IEC 60825-1 and IEC 62471. |

WALL MOUNTING



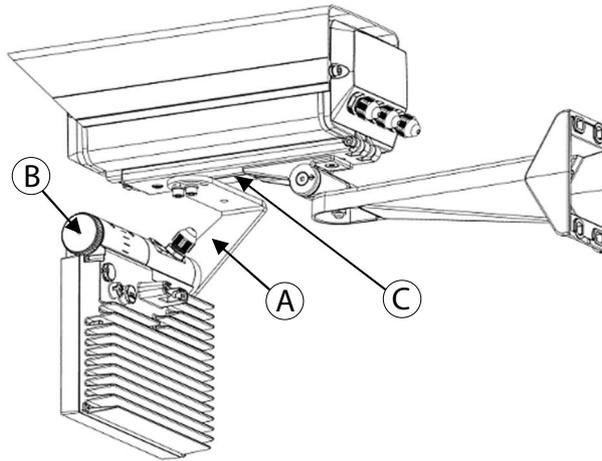
1. Place the bracket **(A)** in the desired position.
2. To make this operation easier, it is possible to loosen the knob **(B)** and/or the nut opposite to it and rotate the bracket **(A)**.
3. Mount the bracket **(A)** to the wall.
4. If the knob **(B)** and/or the nut opposite to it has been loosened, tighten them in the desired position.
5. **Remove the cover protective film after the unit installation.**

CEILING OR FLOOR MOUNTING



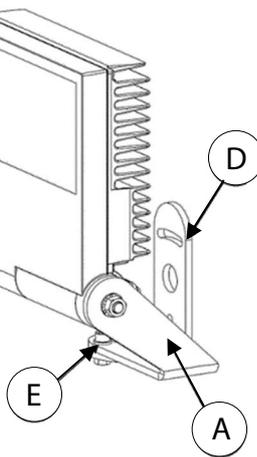
1. Place the bracket **(A)** in the desired position.
2. To make this operation easier, it is possible to loosen the knob **(B)** or in case the nut opposite to it and rotate the bracket **(A)**.
3. Mount the bracket **(A)** to the ceiling or to the floor.
4. If the knob **(B)** and/or the nut opposite to it has been loosened, tighten them in the desired position.
5. **Remove the cover protective film after the unit installation.**

CAMERA HOUSING MOUNTING



1. Loosen the housing fastening screws and remove the body from the external slide (C).
2. Place the illuminator bracket (A) in the desired position under the external slide (C).
3. To make this operation easier, it is possible to loosen the knob (B) or in case the nut opposite to it and rotate the bracket.
4. Mount the illuminator to the external slide (C).
5. Place back and close the housing body, set the illuminator to the desired position and fix the whole assembly.
6. If the knob (B) and/or the nut opposite to it has been loosened, tighten them in the desired position.
7. **Remove the cover protective film after the unit installation.**

MOUNTING BWHYP1 BRACKET



1. Mount the BWHYP1 bracket (D) to the bracket (A), using the screw and the nut (E).
2. Place the bracket (D) in the desired position.
3. To make this operation easier, it is possible to loosen the knob (B) or in case the nut opposite to it and rotate the bracket.
4. Mounting BWHYP1 bracket (D) to the wall.
5. If the knob (B) and/or the nut opposite to it has been loosened, tighten them in the desired position.
6. **Remove the cover protective film after the unit installation.**

ELECTRICAL WIRING

The illuminator is provided with integrated power supply and twilight control.

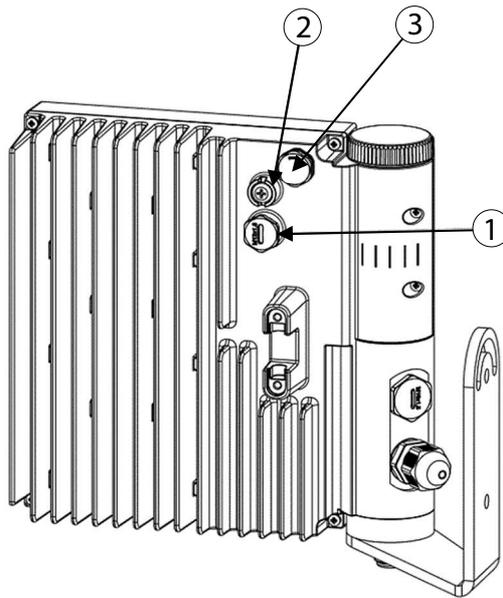
HYPERION ONE

| Function | Wire colour | Description |
|----------------------------------|--------------|-------------|
| Main power supply (100-240V~) | Brown | Line |
| | Blue | Neutral |
| | Yellow/Green | GND |

HYPERION ONE LV

| Function | Wire colour | Description |
|---|-------------|-------------|
| 24VUC (S, M versions) 24V~ (L version) | Brown | V1/V+ |
| | Black | V2/V- |
| | Gray | GND |

BACK SIDE



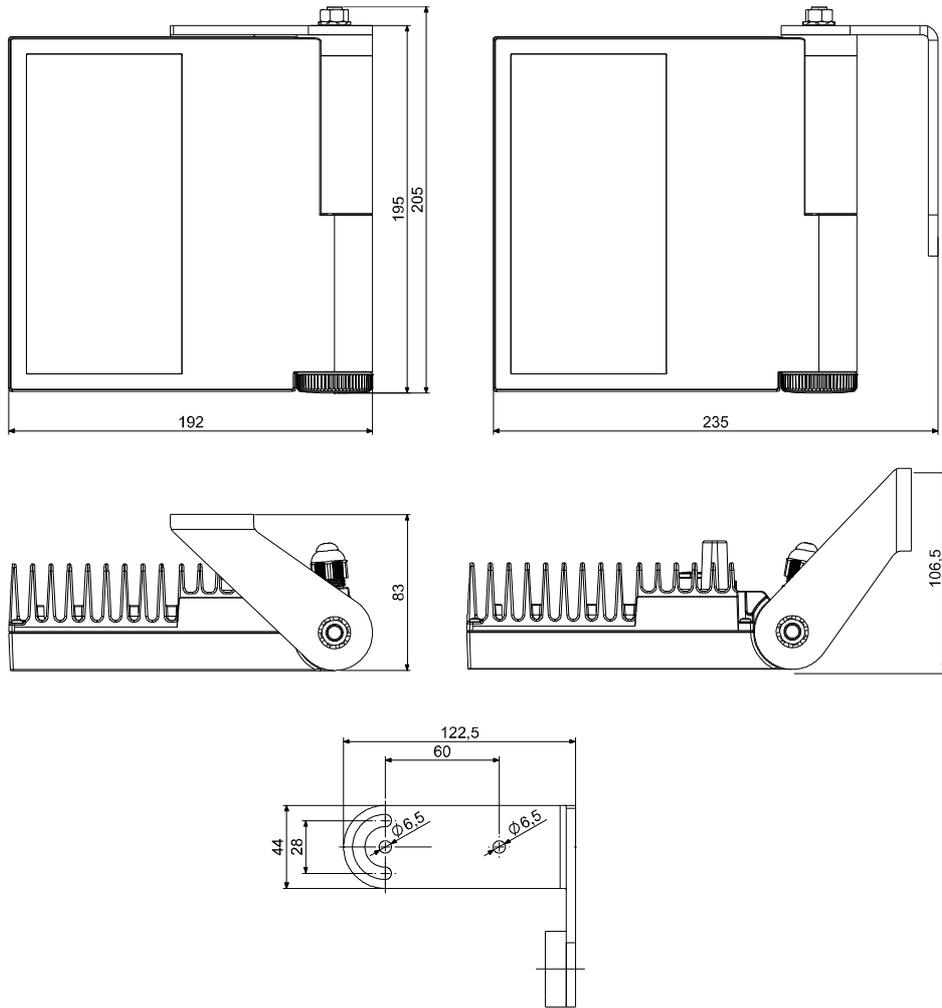
1. On the back of the device it is possible to find:

- (1) Protection cap for the photocell sensitivity adjustment trimmer
- (2) Environmental luminosity sensor window
- (3) Pressure equalizer filter: DO NOT TOUCH

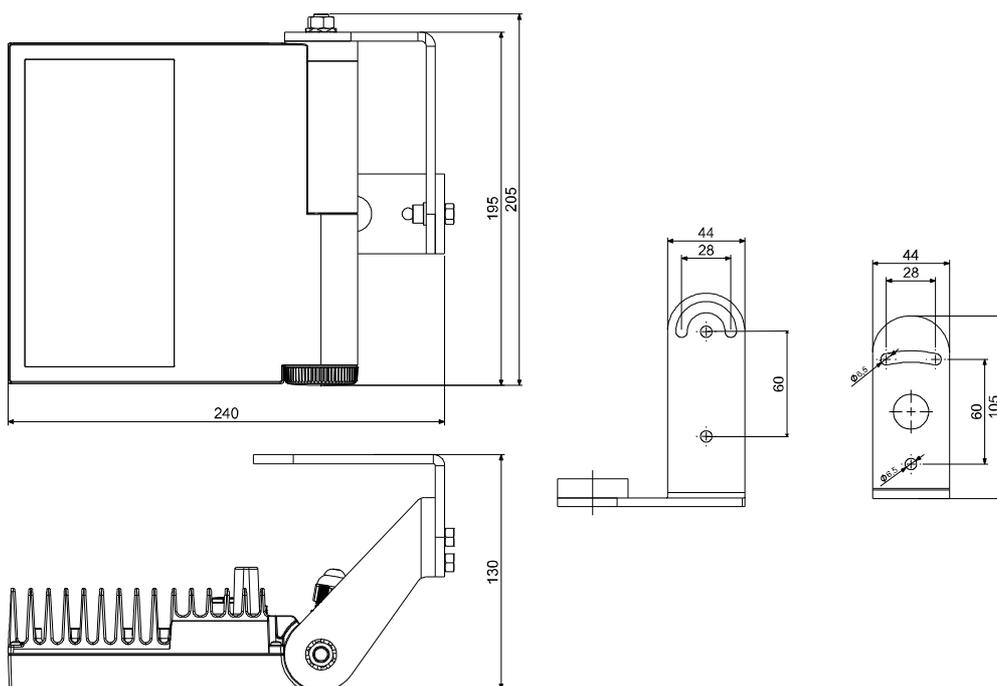
2. Adjustment of the integrated twilight.

- The illuminator is factory adjusted to switch on at about 20 lux.
- To change this setting, the protection cap (1) must be opened.
- Using a screw driver, adjust the photocell sensitivity to turn the illuminator on.
- Rotating clockwise the trimmer will decrease the light sensitivity. Rotating counter-clockwise will increase the light sensitivity.
- When the red LED inside the illuminator turns on, it means that activation threshold has been reached.
- Close the protection cap (1). Make sure of the correct O-Ring position.

HYPERION ONE DIMENSIONS



HYPERION ONE DIMENSIONS WITH BWHP1 OPTIONAL BRACKET



Preserve this manual as a reference for future needs.



Used electrical, electronic and stainless steel products should not be mixed with general waste.

For proper treatment, recovery and recycling of old products, please take them to applicable collection points, in accordance with your national legislation and the Directives 2002/95/EC and 2002/96/EC.

By disposing of these products correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment which could otherwise arise from inappropriate waste handling.

For more information about collection and recycling of old products, please contact your local municipality or your waste disposal service.

Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.

The manufacturer declines all liability for any consequence resulting from improper installation practices, tampering or improper uses of the product.

The descriptions and illustrations contained in this manual are not binding. The manufacturer reserves the right to make any alterations deemed appropriate for the technical, manufacturing and commercial improvement of the product, while leaving the essential product features unchanged, at any time and without undertaking to update the present publication.

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