DATASHEET

NYX ELI 160WL-HT
white light led illuminator
with liquid/air cooling

- High efficiency, low consumption white light LED illuminator
- IP66 protection rating
- Distances: up to 160 meters (see the performance chart below)
- Power supply 110-230Vac, 24Vac-dc
- Integrated and adjustable twilight sensor
- Adjustable light intensity
- White light emission
- Lighting angles: 10°, 30°, 60°
- Double chamber for liquid/air cooling
- Suitable for environments with temperatures up to +300°C (+600°C with high temperature glass VHF150)
- AGF150 air filtering unit (optional)
- Wide range of accessories

up to +300°C

High efficiency white light infrared illuminator for high-temperature environments

The **NYX ELI160WL-HT** white light illuminator is made of sturdy AISI 316L and equipped with a double weatherproof chamber through which water, a cooling liquid, or gas (the choice has to be made taking into consideration the external temperature) can circulate and cool down the housing. Suitable for external/internal installation, it allows adequate lighting thanks to the excellent performance of the white light LEDs which always guarantee perfect illumination of the scene.
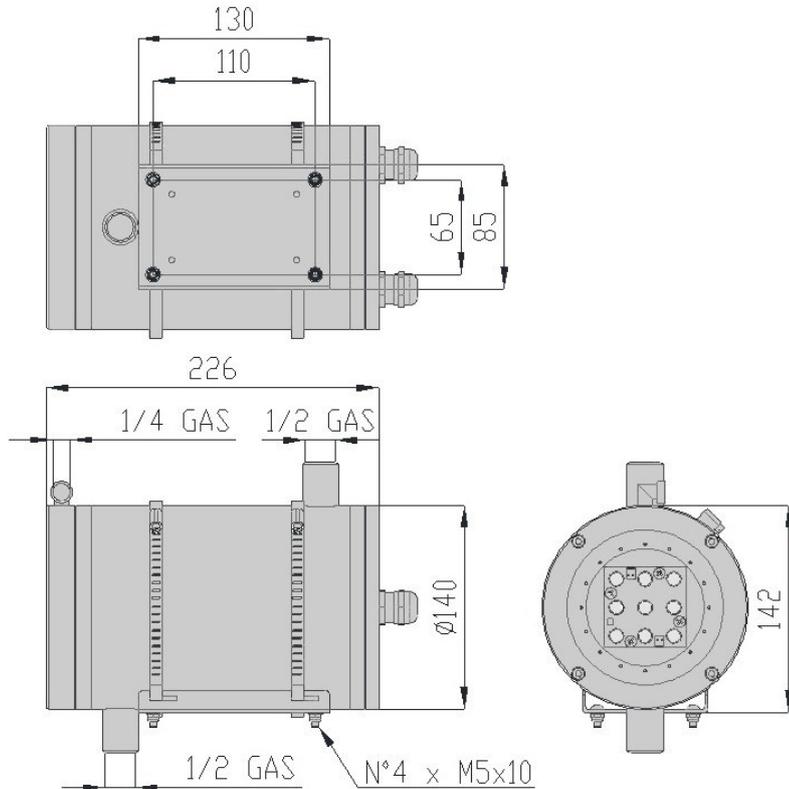
With the integration of the adjustable twilight sensor, it is possible to set in on the on-off threshold of the illuminator, thus optimising consumption. The innovative LED technology with optical collimator allows obtaining a very high-power light beam, in addition to the advantage of significantly reducing consumption and at the same time increasing the life of the illuminator.

Specifications are subject to change without notice, weights and dimensions are indiative.   *rev. 2445*

DATASHEET

TECHNICAL DRAWINGS

130
110
65
85

226
1/4 GAS   1/2 GAS
Ø140
142
1/2 GAS   N°4 x M5x10

the values are in millimeters

TECHNICAL DATA

GENERALE
- AISI316L stainless steel body
- stainless steel bolts and screws
- double chamber for liquid/air cooling
- front cover with air barrier (included)
- white light emission
- lighting angles: 10°, 30°, 60°
- integrated and adjustable twilight sensor
- adjustable light intensity
- supplied with instruction manual
- according to RoHS compliance

ELECTRICAL
- Several models:110Vac-230Vac or 24Vac-dc
- Consumption: max. 31W

MECHANICAL
- weatherproof rating: IP66
- indoor/outdoor installations
- operating temperature from –20°C to +300°C
- average life hours: >50.000
- dimensions (BxHxL): 142x200x226 mm.
- weight 6,3Kg.

ACCESSORIES
VHF150/B high temperature glass (up to +600°C)
AGF150   air filtering group

RELATED PRODUCTS
SP/C   AISI316L pole adaptor
SA/C   AISI316L corner adaptor
ST160   wall bracket and joint

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GLOBAL PROOF S.r.l.
Via dell'Industria, 10   36013 Piovene Rocchette (VICENZA)   -ITALY-
phone +39.0445.396190   fax +39.0445.395000   email: **info@globalproof.it**   home page : **www.globalproof.it**

Table indicating the water flow rate that is required to maintain a max. temperature of +45°C inside the housing

T° ambient (°C)	Water flow rate (l/m.)	T° inside the housing (°C)
200	2	31
300	2,4	42
400	6,8	45

If the ambient temperature is not higher than +80°C, it is possible to use compressed air instead of the water.
The cooling rates are described here below:

Compressed air pressure (Bar)	Compressed air temperature (°C)	Compressed air flow rate (m3/h)	T° inside the housing (°C)
1	18	10	46
2	18	15	38

PERFORMANCES CHART		
Angle	**Angle**	**Distanza (metri) ***
NYX ELI160WL-HT	10°	160
NYX ELI160WL-HT	30°	120
NYX ELI160WL-HT	60°	90

***typical distance in meters depends of the reflection coefficient of the illuminated scene, camera sensitivity, lens combination, etc.*

model	unit weight (Kg.)	package dimensions (cm.) WxHxL	package weight (Kg.)
NYX ELI160WL-HT	6,3 (tot.)	19,0 x 15,0 x 46,0	6,8 (tot.)

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