



LED hand-lamp LHL-...P series

The hand-lamp LHL-...P series for LED tubes of 9/17 Watt have been designed for the work of inspection and maintenance in all those potentially explosive places for the presence of gas and dust as petrochemical industries, off-shore facilities, the areas of tank control and the process areas.

They are robust and easy to handle at the same time with a high degree of IP protection and excellent performance in light output. The LED modules used for LHL-...P series hand-lamp allow to get an excellent color spectrum thanks to the type of light emitted by the LED.

Application sectors:



Oil refineries



Gas Chemical and petrochemical plants



Onshore plants



Offshore plants



Oil loading/unloading jetties



Fuel liquid depots



Fuel tanker loading/unloading areas



Perimeter lighting

CERTIFICATION DATA

Classification:

Group II

Category 2GD

Installation: EN 60079.14

zona 1 - 2 (Gas)

zona 21 - 22 (Dust)

Marking:

CE Ex II 2 G Ex e mb IIC T5/T4 (Gb)

CE Ex II 2 D Ex mb IIIC T95°C/T130°C (Db) IP66

Certification:

ATEX CEC 13 ATEX 043

TR CU AVAILABLE

All TR CU certification data contact comm@antideflagranti.gce.com

Standards:

CENELEC EN 60079-0: 2009; EN 60079-7: 2007; EN 60079-18: 2009; EN 60079-31: 2009

Class temperature:

135°C (T4)

100°C (T5)

Ambient temperature:

-20°C +50°C

Special -20°C +60°C

Degree of protection:

IP66

comm@antideflagranti.gce.com



ORIGINAL PRODUCT

MECHANICAL FEATURES

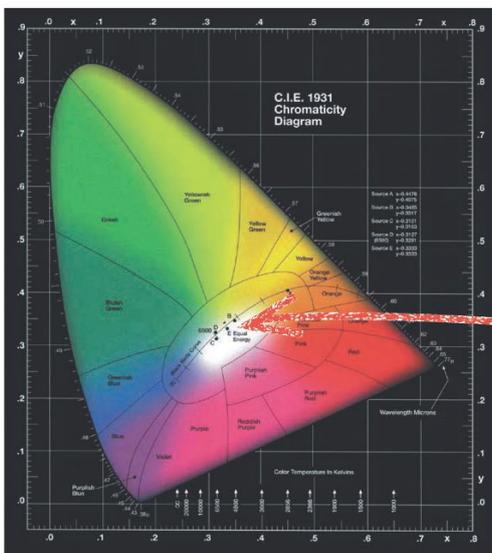
- Body:** Transparent tube in polycarbonate, V0 (UL94) resistant to shock and UV rays
- Handle:** Non-slip P.V.C. (polyvinyl chloride plasticized with non-toxic plasticizers)
- Mounting:** Hand-held lamp with stainless steel hook
- Cable gland:** Model UNI01 in polyamide

ELECTRICAL FEATURES

- Power supply:** 24 Vdc
- Cable:** H07RN-F 2x1 mm² lenght 5 m
- LED source:** Module with 72 LED)
- Lifetime:** > 50.000 hours

ACCESSORIES AVAILABLE / SPECIAL REQUESTS

Different cable lengths



	LHL-10P	LHL-20P
Luminous flux (lm)	790	1580
Colour rendering index (Ra)	80	80
Luminous efficiency (lm/w)	87,78	92,94

The color temperature of the light produced is around 5500 K, almost the color temperature of day-light.
The pure white, also called achromatic point of reference corresponding to the point of equal energy in the C.I.E. diagram, is placed between 5455 K and 5500 K.



LHL-...P series selection chart

Code	Dimensions mm L	Type Lamp	Power supply	Watt	Class Ta =+40°C	Class Ta =+50°C	Class Ta =+60°C	Weight kg	 mm
LHL-10P	475	LED	24 Vdc	9	T5	T5	T4	1,4	
LHL-20P	760	LED	24 Vdc	17	T5	T5	T4	2,3	

DIMENSIONAL DRAWING

