NERI

Light Hydra
Cod. **PNHYDL** xx yyy zz

Fixing: Head post
Source: LED-D

Technical sheet
Rev. 00 - 2018/03/09

DESCRIPTION

Compliance
- In compliance with EN60598-2-3; EN60598-1; EN62031; EN55015; EN61547; EN 61000-3-2; EN 61000-3-3.

Mechanical information

Height	Width	Length	Weight	IP	IK	Area
605mm	420mm	610mm	19.5Kg	43	06	0.155 m^2

Electrical characteristics

Voltage	Frequency	Cos φ	Insulation class	Operative Temp.
120-277V	50/60Hz	> 0.9	CL II ⧈	-30°... +40°C

- Classe I of insulation (on request).

Fixing
- Suitable for head post mounting on tube with Ø 60mm.

Materials
- Cast aluminun (UNI EN 1706).
- Hot galvanized steel sheet.
- Phosphor treated transparent flat glass.
- Stainless steel fasteners.

Structure – Main components
- Upper frame semi-oval with central support of the LED module.
- Lower frame semi-oval with tube for mounting on Ø 60 mm pipe.
- Inside part made in hot galvanized sheet steel painted.
- Module LED (based on remote phosphor technology) with heat sink directly on the frame for a optimal dissipation.

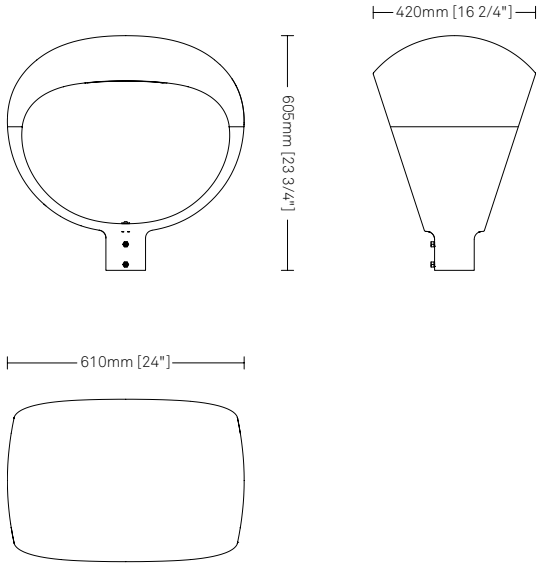
Electrical auxiliaries
- Automatic electrical disconnector when opening.
- Pre-installed power cable 1m long, with quick connector IP66.
- Connector for wires with a max. section of 2,5 mm^2.

Operations and maintenance
- During maintenance operations no screw or component is separated from the structure.
- Replaceable components in full (complete cover of LED module, wiring plate with driver).
- Please refer to the installation and maintenance manual of the product.
- It is responsibility of the installer the correct installation and electric connection in accordance with applicable regulations.

Painting
- Standard colour: black RAL 9005.
- Standard colour (inside frame): white RAL 9010.
- Colour on request (inside frame): black RAL 9005.
- Paint system (see specific technical sheet).

Code costruction
To create the complete code of the configuration, insert sequential parts of the code on the configuration of the:
xx - Optic
yyy - Luminous flux
zz - Driver
Example: **PNHYDL** xx yyy zz → PNHYDL041H102

DRAWINGS



NERI

Light Hydra
Cod. **PNHYDL** xx yyy zz

Category: decorative
Optics: 04

Technical sheet
Rev. 00 - 2018/03/09

DESCRIPTION

Optic

Cod. XX	Lighting distribution	LOR	IES Class
04	Roadways with sidewalk (Type III)	90%	Cutoff

- LOR: optical efficiency appliance due to the physical shielding.
- Reflector with mixing chamber and screen with remote phosphor technology.
- Screen shock resistance: IK06.
- Optic system with IP66 protection rating.
- Max installation height: 5 meters.

Luminous flux

3000K	System*			LED module		
Cod. YYY	lm	W	lm/W	n.LED	mA	W
1H1	3,000	35	77	25	440	31
1H2	4,000	48	75	25	570	42
1H3	5,000	63	71	25	770	56

Luminous flux

4000K	System*			LED module		
Cod. YYY	lm	W	lm/W	n.LED	mA	W
3H1	3,000	32	84	25	400	28
3H2	4,000	44	82	25	520	39
3H3	5,000	57	79	25	700	51

* The energetic values in the table are referred to the complete system.
- Power LEDs module on printed circuit board with metal core plate.
- NTC sensor on LED plate for control of dangerous temperatures.
- Estimated life: 80,000h L85B50 (Ta = 25°C).
- Colour Rendering Index: Ra > 70.
- Chromatic selection within 5 SDCM (5 ellipses of Mac Adam).
- LED efficiency: > di 100 lm/W.
- No photobiological risk (EN 62471).

Driver

Cod. ZZ	Driver functions
02	1-10V + NCL (Analogic control + Neri costant lumen)
06	DALI + NCL (Digital control + Neri costant lumen)
14	NVL6H + NCL (autodimming -30% x 6h + Neri costant lumen)

- Programmable electronic power supply with auto self diagnostics functions.
- Standard surge protection for differential/common mode 6kV/10kV (CL I, CL II) and 10kV/10kV (CL I, CL II) in presence of additional protections (on demand).
- Estimated life B10 at 100,000 h.

PHOTOMETRIC CURVES

Type III (NLG 04)
Roadways with sidewalk