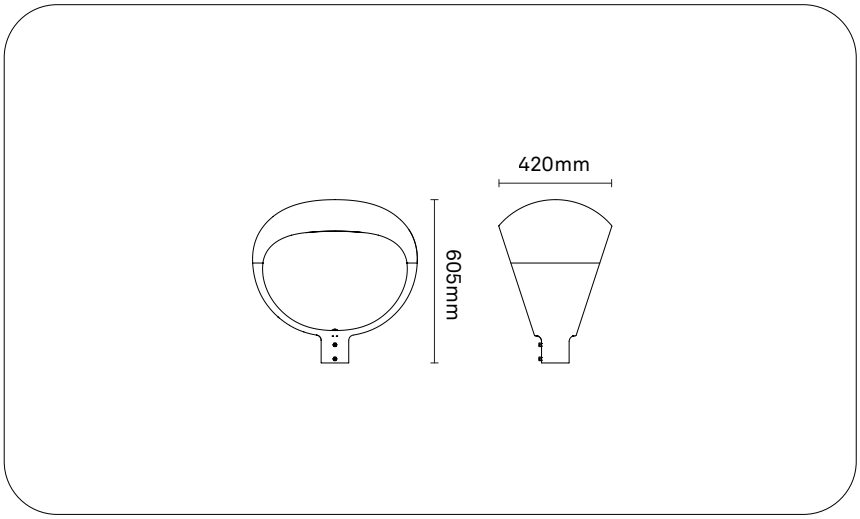
NERI

Project location:	Fixture type: Qty:
Project name:	Notes:

HYDRA | LUMINAIRE





CE IP66 IK08 Classe II

ORDERING INFORMATION / GUIDE

Example: **PNHYD-N-D45-830-L030-SO-V1-F02-M2-CN0**

OPTIQUE	RA+K	LUMINOUS FLUX	SCREEN FINISH	POWER SUPPLY	DRIVER FUNCTION	ISO CLASS	FINISH
D45 Type V	**830** Ra80 3000 K	**L030** 3000 lm	**SO** Opal	**V1** 220V-240V	**F02** 1-10V+CLO	**M2** Class II	**CN0** Grey [Neri] Textured
	840 Ra80 4000 K	**L040** 4000 lm			**F06** DALI+CLO		
					F14 NVL6H+CLO		

Generated code: **PNHYD - N** - _ _ _ - _ _ _ - _ _ _ _ - _ _ - _ _ - _ _ _ - _ _ - _ _ _

ON REQUEST
Non-standard variants and configurations available upon request. Please contact Neri for further information.

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SOURCE

High-power LED matrix.

Energy-efficiency class: D
LED forward current: 300-600 mA
Power rating: 28-42 W
Nominal Flux: 3000-4000 lm
Nominal CCT (Colour temperature): 3000 K, 4000 K
Color Rendering Index (Ra): 80
Standard Deviation Colour Matching: ≤5
ANSI/IES TM-30: Rf = 83-85 Rg = 95-96
Rated lifetime: L90B10 100000 h @ Tq = 25 °C

LIGHTING CHARACTERISTICS

Modular 2x2 refractive lenses in PMMA.

Optique: Type V
Optical efficiency: LOR = 90% ULOR = 13%
LED quantity: 25
Cutoff Angle: Cutoff C = 90° γ = 24°
Luminous flux: 2703-3604 lm
Luminous efficacy: 75-84 lm/W
Maximum luminous intensity γ 90°: ≤40.43 cd/klm
Luminous intensity class: G*1
IPEA: Road C / C, Urban C / B, Ped C / C, Park C / C, Art B / A
BUG: B=1, U=3, G=1
Photobiological safety: RG1 - Low risk

ELECTRICAL CHARACTERISTICS

Compliant with standards EN 60598-1; EN 60598-2-3; EN 62031; EN 55015 EMC; EN 61547 EMC; EN 61000-3-2/3; IEC/TR 62778.

Luminaire power: 32-48 W
Power supply: 220V-240V~ 50/60Hz
Insulation class: Class II
Control type - driver: 1-10V+CLO, DALI+CLO, NVL6H+CLO
Ambient temperature: -35 °C / +50 °C
Driver included: No
Cable type: H07RN-F 2X1.5mm², H07RN-F 4X1.5mm²

MECHANICAL CHARACTERISTICS

Structure made of cast aluminium (UNI EN 1706) with semi-oval upper and lower frames, for housing the LED module and fitting onto Ø60 mm poles, respectively.
Internal part in galvanized and painted steel sheet.
LED module integrated into the upper frame with mixing chamber and flat remote-phosphor glass screen for optimal thermal dissipation.
Stainless steel screws.

Length: 610 mm
Width: 420 mm
Height: 605 mm
Weight: 19.5 kg
Wind-exposed area: 0.15 m²
Protection degree: IP66
Mechanical resistance: IK08
Finish: Grey [Neri] Textured

INSTALLATION

Pole-top mounting on Ø 60 mm tubes (with reducing ring) and on Ø 76 mm tubes (without reducing ring).
Flush-mounted on Ø 89 mm tubes.

WARNINGS

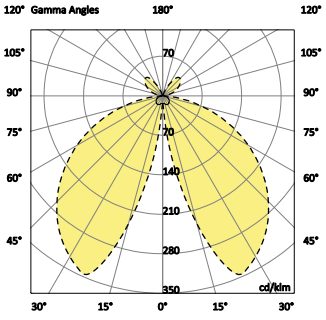
Luminaire designed for disposal/recycling at end-of-life.
Replaceable (LED only) light source by a professional.
Replaceable control gear by a professional.
Protection of surfaces: please refer to the specification on painting procedures of the materials.

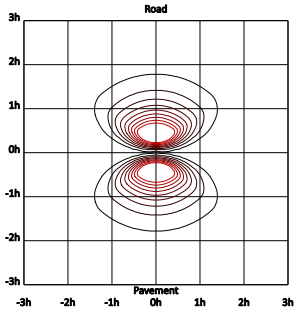
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HYDRA | LUMINAIRE

Optic: Type V

Screen finish: Opal





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HYDRA | LUMINAIRE

Optic: Type V

Screen finish: Opal

System					Source			IPEA				
Luminous Flux	**Nominal CCT**	**W**	**lm/W**	**n° led**	**mA**	**W**	**lm/W**	**Road**	**Urban**	**Ped**	**Park**	**Art**
3000 lm	3000 K	35	77	25	410	31	97	C	C	C	C	B
3000 lm	4000 K	32	84	25	300	28	107	C	B	C	C	A
4000 lm	3000 K	48	75	25	600	42	95	C	C	C	C	B
4000 lm	4000 K	44	82	25	500	39	103	C	C	C	C	A

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