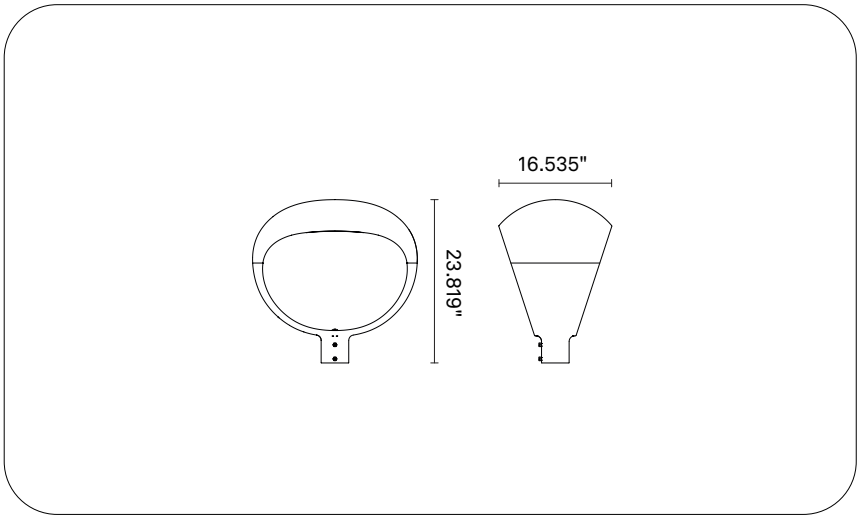
NERI

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

HYDRA | LUMINAIRE





IP66 IK08 cULus

ORDERING INFORMATION / GUIDE

Example**: PNHYD-U-D45-830-L030-SO-V0-F02-MU-CN0**

OPTICS	RA+K	LUMINOUS FLUX	LENS	VOLTAGE	DRIVER FUNCTION	ISO CLASS	FINISH
D45 T5	**830** Ra80 3000 K	**L030** 3000 lm	**SO** Opal	**V0** 120V-277V	**F02** 1-10V+CLO	**MU** UL	**CN0** Grey [Neri] Textured
	840 Ra80 4000 K	**L040** 4000 lm					

Generated code: **PNHYD - U** - _ _ _ - _ _ _ - _ _ _ _ - _ _ - _ _ - _ _ _ - _ _ - _ _ _

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 (Color 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: L90 = 100000 h (Ts = 85 °C, 700 mA)

LIGHTING CHARACTERISTICS

Modular 2x2 refractive lenses in PMMA.

Optics: T5
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
BUG: B=1, U=3, G=1
Photobiological safety: RG1 - Low risk

ELECTRICAL CHARACTERISTICS

Luminaire power: 32-48 W
Voltage: 120V-277V~ 50/60Hz
Insulation class: UL
Control type - driver: 1-10V+CLO
Ambient temperature: -31 °F / +122 °F
Driver included: No

Cable type: 5GAWG18 SJTW

MECHANICAL CHARACTERISTICS

Structure made of cast aluminium (UNI EN 1706) with semi-oval upper and lower frames, designed respectively for housing the LED module and for mounting on Ø 2.36 in poles.
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: 24.016 in
Width: 16.535 in
Height: 23.819 in
Weight: 42.99 lb
EPA: 1.61 ft²
Protection degree: IP66
Mechanical resistance: IK08
Finish: Grey [Neri] Textured

INSTALLATION

Pole-top mounting on Ø 2-3/8″ tubes (with reducing ring) and on Ø 3″ tubes (without reducing ring).
Flush-mounted on Ø 3-1/2″ tubes.

WARNINGS

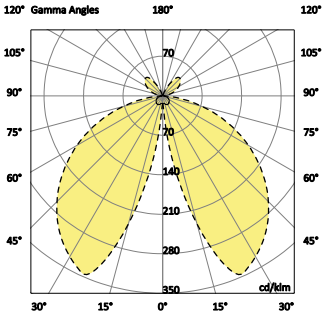
Luminaire designed for disposal/recycling at end-of-life.
Replaceable (LED only) light source by a professional.
Replaceable control gear by a professional.
Protection of surfaces: please refer to the specification on painting procedures of the materials.

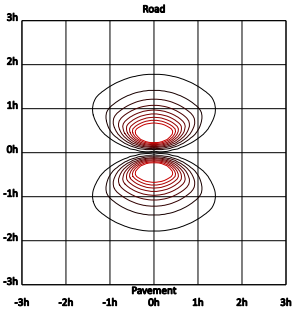
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HYDRA | LUMINAIRE

Optic: T5

Lens: Opal





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HYDRA | LUMINAIRE

Optic: T5 **Lens:** Opal

System					Source			BUG		
Luminous Flux	**Nominal CCT**	**W**	**lm/W**	**n° led**	**mA**	**W**	**lm/W**	**Backlight**	**Uplight**	**Glare**
3000 lm	3000 K	35	77	25	410	31	97	1	3	1
3000 lm	4000 K	32	84	25	300	28	107	1	3	1
4000 lm	3000 K	48	75	25	600	42	95	1	3	1
4000 lm	4000 K	44	82	25	500	39	103	1	3	1

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