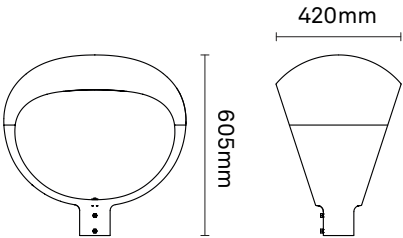


Hydra | Luminaire



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** - _ _ _ - _ _ _ - _ _ _ - _ _ _ - _ _ _ - _ _ _ - _ _ _ - _ _ _

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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.

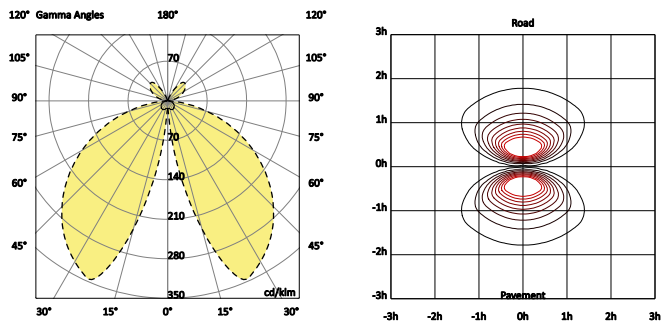
Replaceable control gear by a professional.

Protection of surfaces: please refer to the specification on painting procedures of the materials.

Hydra | Luminaire

Optic: Type V

Screen finish: Opal



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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