

HYDRA



Luminaire in a modern design, appropriate for different urban lighting applications thanks to the different optical groups.

Materials

- Base: cast aluminium
- Optical group: diffuser in high impact resistant transparent methacrylate (ARI)

Lamps

- HPS/MH ovoid 1x50W to 150W (E27 and E40)
- Versions RXU-RCU-RXD come with: MH 1x70W / 150W (G12)
- HPS/MH tubular 1x50W / 70W (E27)

Control gears

Control gears for HPS, MH and MV lamps.
In HPS and MH versions use MH lamps according to intensity table (A), page 23

Installation

- Column 60mm diameter with 100mm length.

Certificates

EN-60598 - Parts 1, 2 and 3.



Remarks

Optical group and lampholder supplied in separate cartons.




TECHNICAL SHEET

PROTECTION LEVEL

IP 65
Class  or 
IK09

REFLECTOR


 BASIC-CXU-CCU: E3
SXU-SXD: E4
CXD: E2
RXU-RCU-RXD: E1

TECHNICAL SPECIFICATIONS

230V-50Hz

 0,14 m²
 10 kg

COLOURS

standard:  GYDECO
other colours DECO: consult quantity and price

CERTIFICATES



VERSIONS

HYDRA BASIC



HYDRA SXU



HYDRA SXD



HYDRA CCU



HYDRA CXU



HYDRA CXD



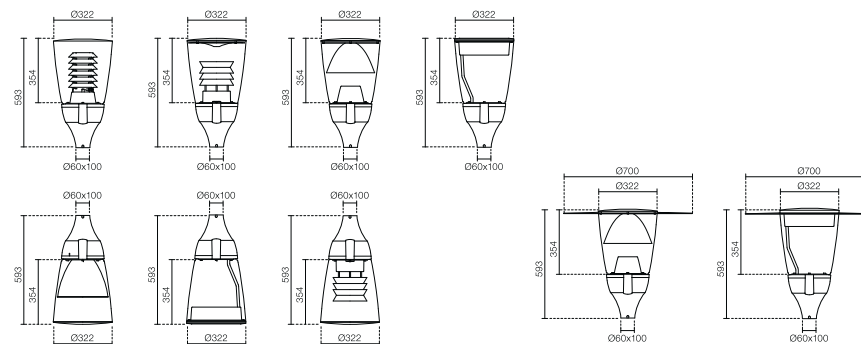
HYDRA RCU



HYDRA RXU



HYDRA RXD



HYDRA SOLAR

LIGHT POINT

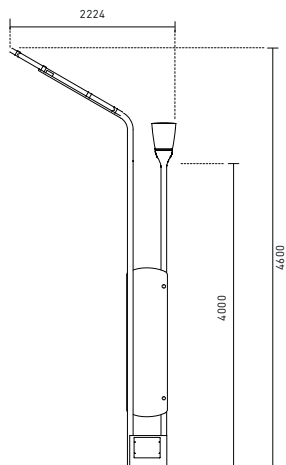
Light point formed by a cylindrical column and IP65 HYDRA RXU luminaire, suitable for urban applications, elliptical solar panel and energy storage batteries.

Simon Lighting has developed two light points that use solar energy during the day to charge the batteries that supply electrical energy to keep the luminaire lit during the night. These two light points represent an innovative bet by Simon Lighting in the sustainable growing and energy efficiency. These are values that the brand applies to all its designs and proposals. And which are the base of the development of new products and concepts, always more and more respectful with the environment.

The first version is formed by the luminaire LAYNA, which uses 48 high power LEDs of 115-130 lumen as a light source. It counts with a squared solar panel of 175Wpic that charges two batteries of 1vV-100Ah.

The second version is formed by the luminaire HYDRA RXU with a 50W HPS lamp, installed on a cylindrical conical pole. In this case, the electrical energy is produced thanks to an elliptical solar panel of 165Wpic that charges two batteries of 1vV-100Ah.

For both versions and for their gears, the minimum charging time is 8 hours, with a maximum autonomy of 16 hours. Nevertheless, as for other solar projects, it is necessary to do a study before installing the product, in order to calculate the charging period depending on the atmospheric characteristics of the region where the installation will be done.



Materials

- Base with batteries and control system:
- Steel sheet with security locks.
- Shaft
- Structural steel tube.
- Beautifying element between columns:
- Stratifying plate simulating wood.
- Support for solar panel:
- Steel sheet (detachable).

Finishing of the pole
Galvanised through hot immersion and painted.

IP/IK of the pole
IP 3X.
IK 10

Characteristics of the Luminaire
See HYDRA RXU Luminaire (pag. 114).
Equipped with electronic gear of 24V dc.

Solar panel
Panel of 165Wpic adjustable in its vertical axis, inclined 30° in respect to the horizontal axis.

Gel batteries
2 x 12V dc -100Ah connected in series (24V dc 100Ah)

Autonomy
3 days (*)

Observations
Supplied with ground bolts and plate mount.

TECHNICAL SHEET

FINISHING	
	galvanised and painted
COLOURS	
standard:	BKCLAS -classical black-
SHAFT	
	cylindrical
HEIGHT OF THE LIGHT POINT	
	4 m
CERTIFICATES	
Luminaire	Luminaire: UNE EN 60598 – Parts 1, 2 and 3
according to:	
Pole	Pole: NORME EN 40-5
according to:	

TECHNICAL DATA				
	FLANGE PLATE		BOLTS	
	A	B	Metric	Length
VERSION	285	400	M22	600



(*) Functioning nominal values. Depending on the location of the installation, the values can be affected by the real solar radiation peak hours. It is recommendable to ask for previous study to know the real functioning values.

REFERENCES

HEIGHT (mm)	COLOUR	GEAR (W)	LAMPHOLDER	CLASS	DIFFUSEUR	CODE	DESCRIPTION
4.000	BKCLAS	HPS-MH 50	E27	CI	ARI T	5-630855	SOLAR HYDRXU 4 ASEX50 E27 BKCLAS M22x600STD1