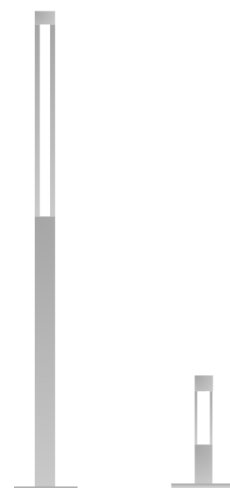


OBELIX

Datasheet

LED luminaire for urban furnishing, architectural lighting and cycle paths



PRODUCT FEATURES

Application	Urban furnishing lighting, architectural lighting, cycle paths
Insulation class	II
Protection rating	IP66
Impact resistance	> IK08
Mounting	With fixing plate
Dimensions and weight	Obelix H: 330 x 15 x 15 cm; Obelix S: 100 x 15 x 15 cm; body section 335 x 150 mm; max. 18 kg; plate 10 kg
Color	RAL on request: Corten / Silver / Dark Grey; epoxy powder coating
Certifications	Components compliant with applicable CE and ENEC standards

MECHANICAL FEATURES

Body and cover	Die-cast aluminium with epoxy powder coating
Screen	4 mm thick PMMA
Heat sink	Internal V-shaped aluminium fins
Wiring	Double silicone cable and PG7 cable gland
Fixing system	Dedicated fixing plate
Finish	Epoxy powder coating

OPTICAL UNIT FEATURES

Optical unit	Modular LED modules with LEDiL or similar optics
LED	CREE XP-G3
Minimum efficiency	>172 lm/W @85°C; >187 lm/W @25°C
CCT	4000 K; other color temperatures on request
CRI	Ra >= 70; other values on request
Optics	2x2VSM rotationally symmetric or 2x2ME/DWC asymmetric
Optical material	PMMA, RoHS compliant
LED lifetime	>353,000 h L90B20 @55°C
Temperatures	Operating -40°C/+55°C; ambient -25°C/+50°C

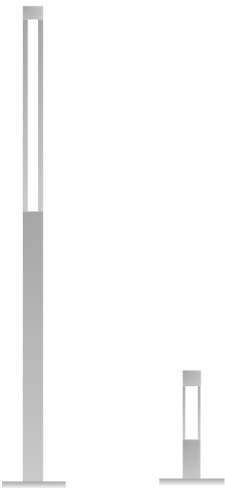
ELECTRICAL FEATURES

Voltage	220/240 V - 50/60 Hz
Driver	Dimmable electronic Class II driver, IP67/IP40, Meanwell / Inventronics or equivalent
Driver efficiency	Up to 95%
Power unit	Class II
Power factor	cos Phi > 0.95
Protections	Short circuit, overvoltage and overcurrent protections
SPD	6 kV line-line; 10 kV line-earth
Dimming / Smart	1-10V, PWM, resistor, DALI, timer on request
Enclosure	Plastic/aluminium material

OBELIX

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Dimensions and Optics

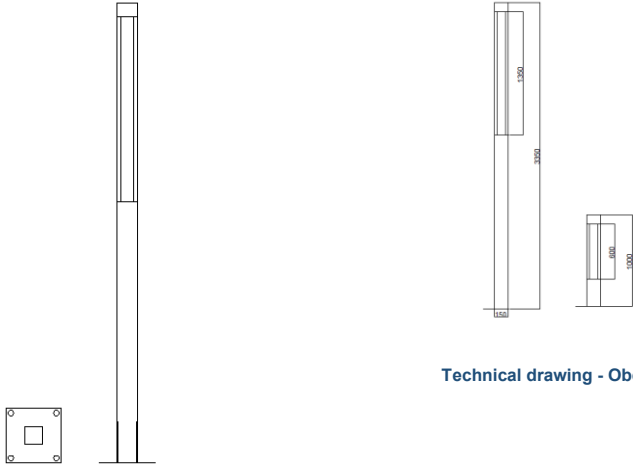


DIMENSIONS

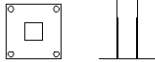
Model	H [cm]	L [cm]	D [cm]	Mounting	Max. weight
OBELIX H	330	15	15	Fixing plate	18 kg + 10 kg plate
OBELIX S	100	15	15	Fixing plate	according to configuration



RAL colors on request



Technical drawing - Obelix S

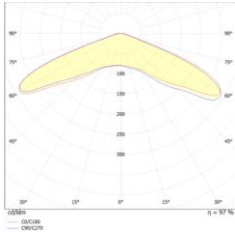


Technical drawing - Obelix H

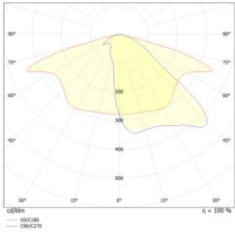
OPTICAL UNIT

Standard optics	2x2VSM rotationally symmetric or 2x2ME/DWC asymmetric depending on the application / lighting calculation
Applications	Urban furnishing, pedestrian paths, cycle paths, parks, outdoor areas and architectural lighting
Material	PMMA RoHS compliant
Lens format	Square 50 x 50 mm
Intensity class	According to photometric configuration
Variants	Alternative photometries available on request

PHOTOMETRIC CURVES AND APPLICATIONS



VSM photometric curve



ME/DWC photometric curve

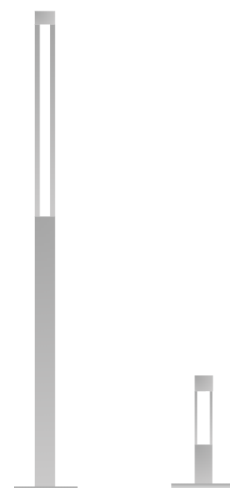


Application example

OBELIX

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Technical Data & Code Structure



LUMINOUS PERFORMANCE

Values are to be considered with a +/- 5% tolerance. The nominal source flux varies according to CCT and driving current.

Version	Gross power	LED	Source flux	Dimensions	Optics	Source eff.
Obelix H 30W - 8 LED	30 W	8	>4750 lm	330 x 15 x 15 cm	VSM / ME / DWC	~158 lm/W
Obelix S 12W - 4 LED	12 W	4	>1800 lm	100 x 15 x 15 cm	VSM / ME / DWC	~150 lm/W

PERFORMANCE NOTES

Color temperature	4000 K; other color temperatures available on request.
Color rendering	Ra >= 70; higher values available on request.
IPEA index	Variable depending on configuration, optics and power supply.
Configuration	The nominal luminous flux varies according to the driving current and the LED/optics combination.

PROPOSED PRODUCT CODE STRUCTURE

The following structure is an ordered proposal for configuring the OBELIX family consistently with the available technical variants.

Pos.	Field	Values	Description
1	Family	OBELIX	Urban furnishing / architectural LED luminaire
2	Version	H / S	Height 330 cm / 100 cm
3	Power	012 / 030	Nominal gross power
4	No. LEDs	4 / 8	Number of installed LEDs
5	CCT	30K / 40K / 57K	3000 K / 4000 K / 5700 K on request
6	CRI	70 / 80	Standard or optional CRI
7	Optics	VSM / ME / DWC / ALT	Rotationally symmetric, asymmetric or alternative
8	Color	CORTEN / SILVER / DG / RAL	Finish and RAL color on request

CONFIGURATION EXAMPLE

EXAMPLE	OBELIX-H-030-8-40K-70-VSM-DALI-CORTEN
Description	Obelix H 30 W, 8 LEDs, 4000 K, CRI 70, VSM optics, DALI driver, Corten finish.

DIMMING AND SMART CONTROL

StepDim	Flux reduction after a defined number of hours from switch-on.
AstroDim	Reduction based on virtual midnight, if supported by the selected driver.
Smart	Prepared on request for Smart and remote-control solutions.
Driver	Configurations available on request: 1-10V, PWM, resistor, DALI or timer.

