

ZENITH LIGHT

Technical Datasheet

Urban furnishing LED luminaire for pathways and cycle lanes



PRODUCT FEATURES

Application	Decorative and architectural lighting for pathways and cycle lanes
Insulation class	II
Protection rating	IP66
Impact resistance	> IK08
Installation	Ground plate with anchors or direct embedding in concrete
Dimensions/weight	Section 335 x 150 mm; max 18 kg; plate 10 kg; profiles according to model
Color	RAL 8017 / RAL 7016 / RAL 9006; other RAL colors on request
Certifications	Components compliant with applicable CE and ENEC standards

OPTICAL UNIT FEATURES

Optical unit	Modular LED modules with LEDiL or similar optics
LED	CREE XP-G3
Minimum efficacy	>194 lm/W @55°C; >202 lm/W @25°C
CCT	2200 K / 3000 K / 4000 K / 5700 K; other color temperatures on request
CRI	Ra >= 70; other values on request
Optical material	PMMA, RoHS compliant
LED lifetime	>353,000 h L90B20 @55°C
Temperatures	Operating -40°C/+55°C; ambient -25°C/+50°C
Optic	2x6VSM rotationally symmetrical or 2x6ME/DWC asymmetric
Lens format	Rectangular 71.4 x 173 mm

MECHANICAL FEATURES

Body	Epoxy powder-coated aluminium; 80 x 40 mm profile
Screen	4 mm thick PMMA
Wiring	3 x 1.5 mm² power cable
Fixing	Galvanized steel plate with anchors or recessed installation
Finish	Epoxy powder coating
Material	Painted aluminium

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
SPD	6 kV line-line; 10 kV line-earth
Dimming / Smart	1-10V, PWM, resistor, DALI or timer on request
Enclosure	Plastic/aluminium material

ZENITH LIGHT

Technical Datasheet

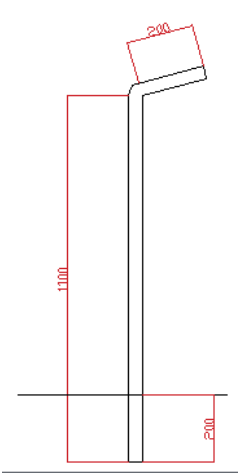
Dimensions and Optics



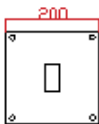
DIMENSIONS

Model	Gross power	LED	Source luminous flux	Profile dimensions	Max above-ground height
Zenith Light H110W - 12 LED	20 W	12	>3300 lm	110 x 4 x 8 cm	90 cm
Zenith Light H250W - 12 LED	40 W	12	>6300 lm	250 x 4 x 8 cm	210 cm
Zenith Light H250W - 24 LED	60 W	24	>9600 lm	250 x 15 x 15 cm	210 cm

TECHNICAL DRAWING



Side view



Fixing plate

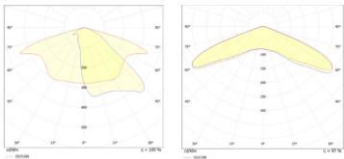


RAL colors

OPTICAL UNIT

Standard optic	2x6VSM rotationally symmetrical or 2x6ME/DWC asymmetric according to application / lighting calculation
Applications	Pathways, cycle lanes, green areas, pedestrian routes, urban furnishing and architectural lighting
Material	RoHS-compliant PMMA
Lens format	Rectangular 71.4 x 173 mm
Intensity class	According to photometric configuration
Variants	Alternative photometries available on request

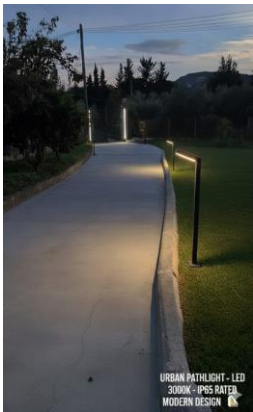
PHOTOMETRY AND APPLICATIONS



Standard photometry



Night-time application example



Pedestrian route / urban green area

ZENITH LIGHT

Technical Datasheet

Technical Data & Code Structure



LUMINOUS PERFORMANCE

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

Version	Gross power	LED	Source luminous flux	Profile dimensions	Indicative eff.
Zenith Light H110W - 12 LED	20 W	12	>3300 lm	110 x 4 x 8 cm	~165 lm/W
Zenith Light H250W - 12 LED	40 W	12	>6300 lm	250 x 4 x 8 cm	~158 lm/W
Zenith Light H250W - 24 LED	60 W	24	>9600 lm	250 x 15 x 15 cm	~160 lm/W

PERFORMANCE NOTES

Color temperature	2200 K / 3000 K / 4000 K / 5700 K; other color temperatures on request.
Color rendering	Ra >= 70; higher values available on request.
Configuration	The nominal luminous flux varies according to the drive current and the LED/optic combination.
Installation	Ground fixing with plate and anchors or recessed installation in concrete.

PROPOSED PRODUCT CODE STRUCTURE

The following structure is a proposed format for configuring the ZENITH LIGHT family consistently with the available technical variants.

Pos.	Field	Values	Description
1	Family	ZENITH LIGHT	Linear LED luminaire for urban furnishing
2	Height / profile	110 / 250 / 290 / CUSTOM	Profile size or series
3	Power	020 / 030 / 040 / 060 / 040X2	Nominal gross power
4	No. of LEDs	12 / 24 / 12X2	Number of installed LEDs
5	CCT	22K / 30K / 40K / 57K	2200 K / 3000 K / 4000 K / 5700 K
6	CRI	70 / 80	Standard or optional CRI
7	Optic	VSM / ME / DWC / ALT	Rotationally symmetrical, asymmetric or alternative
8	Installation	BASE / RECESSED	Installation / fixing method

CONFIGURATION EXAMPLE

EXAMPLE	ZENITH-LIGHT-250-040-12-40K-70-VSM-DALI-RAL7016
Description	Zenith Light H250 40 W, 12 LED, 4000 K, CRI 70, VSM optic, DALI driver, RAL 7016 finish.

DIMMING AND SMART CONTROL

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