



PRODUCT FEATURES

Application	Street and architectural lighting
Insulation class	II
Ingress protection	IP66
Impact resistance	> IK08
IPEA index	up to A8+
Installation	Suspension
Dimensions and weight	Ø516 mm; H 138 mm; max overall size 550 mm; max 5 kg
Photobiological risk	RG0 - Exempt, depending on configuration
Certifications	Components compliant with applicable CE and ENEC standards

MECHANICAL FEATURES

Body and upper cover	Die-cast aluminium with epoxy powder coating
Diffuser	Transparent glass, 4 mm thickness
Coating	RAL 9023 grey; other colours on request
Heat sink	Internal V-shaped aluminium fins
Wiring	Double silicone cable and PG7 cable gland
Disconnecter	Manual with 0.5 A - 240 V fuse
Inspection	Inspectable body through a slotted screw covered by the fixing hook

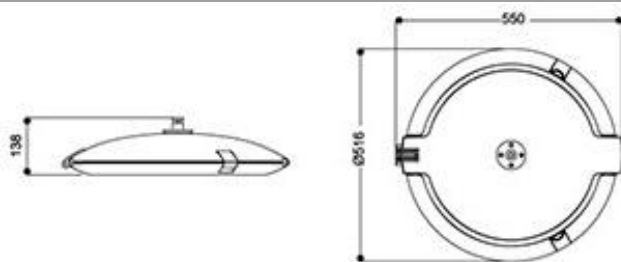
OPTICAL UNIT FEATURES

Optical unit	Modular LED boards with LEDiL or equivalent optics
LED	CREE XP-G3 / XP-G4 S6/S7 series, ceramic package
Minimum efficiency @ 350 mA	>188 lm/W @85°C, 205 lm/W @25°C at 4000K and 5700K >180 lm/W @85°C, 196 lm/W @25°C at 3000K >156 lm/W @85°C, 170 lm/W @25°C at 2200K
CCT	4000 K / 3000 K / 2200 K / 5700 K; other CCTs on request
CRI	Ra >= 70; other values on request
Optic	LEDiL C13499_STRADA-IP-2X2-ME or equivalent according to application
Optical material	PMMA, RoHS compliant
LED lifetime	L90B20 > 353,000 h
Temperatures	Operating -50°C/+55°C; ambient -25°C/+50°C

ELECTRICAL FEATURES

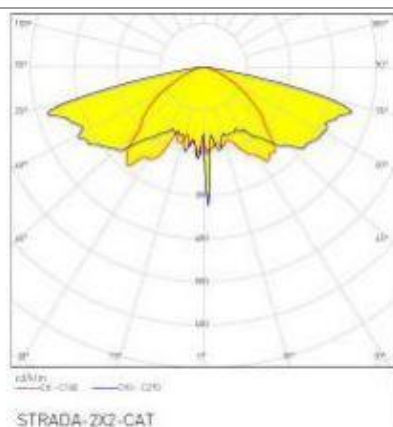
Voltage	220/240 V - 50/60 Hz
Power supply	Dimmable electronic Class II, IP67/IP40, Meanwell / Inventronics or equivalent
Driver efficiency	Up to 95%
Power factor	cos Phi > 0.95
Protections	Short circuit, overvoltage and overcurrent
SPD	6 kV line-line; 10 kV line-earth
Dimming / Smart	1-10V, PWM, resistor, DALI, timer; compartment for Smart solutions
Power supply lifetime	> 120,000 h @ case temperature 70°C

DIMENSIONS



Model	Overall size [mm]	Ø [mm]	H [mm]	Max weight
DELTA SUSP	550	516	138	5 kg

AVAILABLE OPTICS

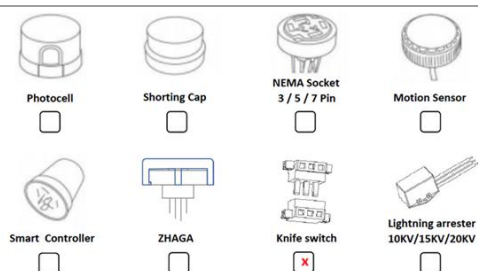


STD photometric curve. Other photometries available on request according to the application.

OPTICAL UNIT

Standard optic	LEDiL C13499_STRADA-IP-2X2-ME crossed or equivalent according to the application / lighting calculation
Applications	Street, architectural, urban, outdoor areas, pedestrian paths
Material	PMMA RoHS compliant
Lens format	Square 50 x 50 mm
Intensity class	According to photometric configuration
Variants	Alternative photometries available on request

ACCESSORIES AND PROVISIONS



ACCESSORIES

Remote control	Compartment arranged for dedicated hardware for Smart solutions
NEMA Socket	3 / 5 / 7 pin on request
Sensors	Photocell, motion sensor, smart controller
Disconnecter	Manual with 0.5 A - 240 V fuse
Surge arrester	10 kV / 15 kV / 20 kV on request
Wiring	Double silicone cable and PG7 cable gland

LIGHTING PERFORMANCE

Values are to be considered with +/- 5% tolerance. Source flux values vary according to CCT and drive current. Indicative efficiency is calculated on the luminaire output flux and net power.

Version	Gross P.	Net P.	LED	Source flux	Luminaire flux	Indicative eff.
Delta Susp 30W - 12 LED	30 W	28.5 W	12	>5200 lm @4000K/5700K >4992 lm @3000K >4368 lm @2200K	>4500 lm	~158 lm/W
Delta Susp 40W - 12 LED	40 W	38 W	12	>6400 lm @4000K/5700K >6144 lm @3000K >5376 lm @2200K	>5600 lm	~147 lm/W
Delta Susp 40W - 24 LED	40 W	38 W	24	>7400 lm @4000K/5700K >7104 lm @3000K >6216 lm @2200K	>6500 lm	~171 lm/W
Delta Susp 50W - 12 LED	50 W	47.5 W	12	>7500 lm @4000K/5700K >7200 lm @3000K >6300 lm @2200K	>6600 lm	~139 lm/W
Delta Susp 60/80W - 24 LED	60...80 W	57...76 W	24	>10500...12700 lm @4000K/5700K >10080...12192 lm @3000K >8820...10668 lm @2200K	>9240...11176 lm	~147-162 lm/W
Delta Susp 60/80W - 36 LED	60...80 W	57...76 W	36	>11500...13540 lm @4000K/5700K >11040...12998 lm @3000K >9660...11374 lm @2200K	>10120...11915 lm	~157-177 lm/W
Delta Susp 110W - 36 LED	110 W	104.5 W	36	>18720 lm @4000K/5700K >17971 lm @3000K >15725 lm @2200K	>16473 lm	~158 lm/W

PERFORMANCE NOTES

Colour temperature	4000 K / 3000 K / 2200 K / 5700 K; other CCTs on request.
Colour rendering	Ra >= 70; higher values available on request.
IPEA index	up to A8+, variable according to configuration, optics and power supply.
Configuration	The nominal luminous flux varies according to the drive current and the LED/optic combination.

DELTA SUSP

Code Structure

PROPOSED PRODUCT CODE STRUCTURE

The following structure is a proposed format to configure the DELTA SUSP family consistently with the available technical variants.

Pos.	Field	Values	Description
1	Family	DELTA SUSP	Suspension street luminaire
2	Power	030, 040, 050, 060, 075, 080, 110	Nominal gross power
3	No. of LEDs	12 / 24 / 36	Number of LEDs installed
4	CCT	22K / 30K / 40K / 57K	2200 K / 3000 K / 4000 K / 5700 K
5	CRI	70 / 80	Standard or optional CRI
6	Optic	ST2 / ALT	STRADA-IP-2X2-ME or alternative photometry
7	Control	FIX / 1-10 / PWM / DALI / TIM / SMART	Fixed, dimming or smart control
8	Installation	SUSP	Suspension installation

CONFIGURATION EXAMPLE

EXAMPLE	DELTA-SUSP-080-36-40K-70-ST2-DALI-SUSP
Description	Delta Susp 80 W, 36 LED, 4000 K, CRI 70, STRADA-IP-2X2-ME optic, DALI power supply, suspension installation

NIGHT DIMMING AND SMART CONTROL

StepDim	Flux reduction after a defined number of hours from switch-on. Example: after 4h 80%, after 5h 70%, after 6h 60%, after 7h 50%.
AstroDim	Reduction based on virtual midnight. Example: 22:00 80%, 00:00 70%, 02:00 60%, 04:00 50%.
Smart	Compartment suitable for hardware parts for Smart solutions and remote control.
Driver	Configurations available on request: 1-10V, PWM, resistor, DALI/DALI2 or timer.