

PLAF ART 35X35

Technical Datasheet



PRODUCT FEATURES

Application	Decorative lighting
Insulation class	II
Protection rating	IP65; IP67 optics
Impact resistance	> IK08
Mounting	Post-top / with bracket and gas-thread connection
Tilt	-5° / +10°, continuous external adjustment without opening the luminaire
Dimensions and weight	350 x 350 x 640 mm; max 6 kg; 3/4 gas-thread connection
IPEA index	from A3+ to A6+ in accordance with DM 27/09/2017 (C.A.M.)
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, ceramic package
Minimum efficiency @ 350 mA	>122 lm/W @85°C, 133 lm/W @25°C at 2200K >156 lm/W @85°C, 170 lm/W @25°C at 3000K >164 lm/W @85°C, 179 lm/W @25°C at 4000K and 5700K
CCT	4000 K; other color temperatures on request
CRI	Ra >= 70; other values on request
Optic	LEDiL CS12862_STRADA-IP-2X6DWC or similar according to application
Optic material	PMMA, RoHS compliant
LED lifetime	> 353.000 h L90-B10
Temperature	Operating -40°C/+55°C; ambient -25°C/+50°C

MECHANICAL FEATURES

Body and cover	Die-cast aluminum with epoxy powder coating
Color	Gray, epoxy powder coating
Impact resistance	> IK08
Heat sink	Internal V-shaped aluminum fins
Wiring	Double silicone cable and PG7 cable gland
Maintenance	Inspectable body, openable with hex key

ELECTRICAL FEATURES

Voltage	220/240 V - 50/60 Hz
Power supply	Class II dimmable electronic driver, IP67/IP40, Meanwell / Inventronics / Osram 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/DALI2, timer; compartment prepared for Smart solutions
Driver lifetime	> 120.000 h

PLAF ART 35X35

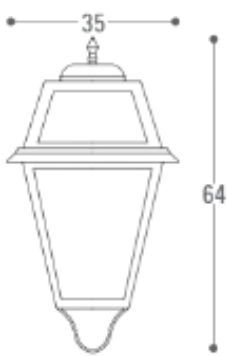
Dimensions and Optics



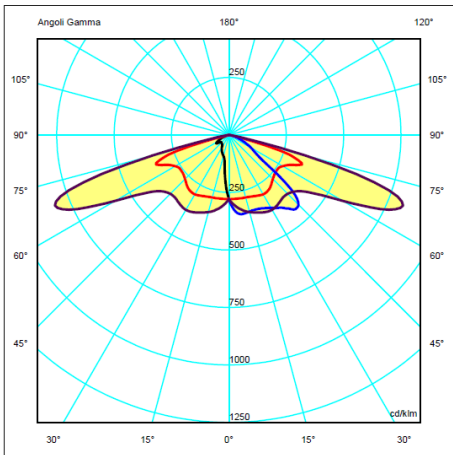
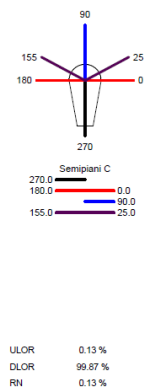
DIMENSIONS

Model	L [mm]	W [mm]	H [mm]	Connection	Max. weight
PLAF ART 35x35	350	350	640	3/4 gas thread	6 kg

TECHNICAL DRAWING AND PHOTOMETRIC CURVE



Technical drawing



Photometric curve with CS12862_STRADA-IP-2X6DWC lens

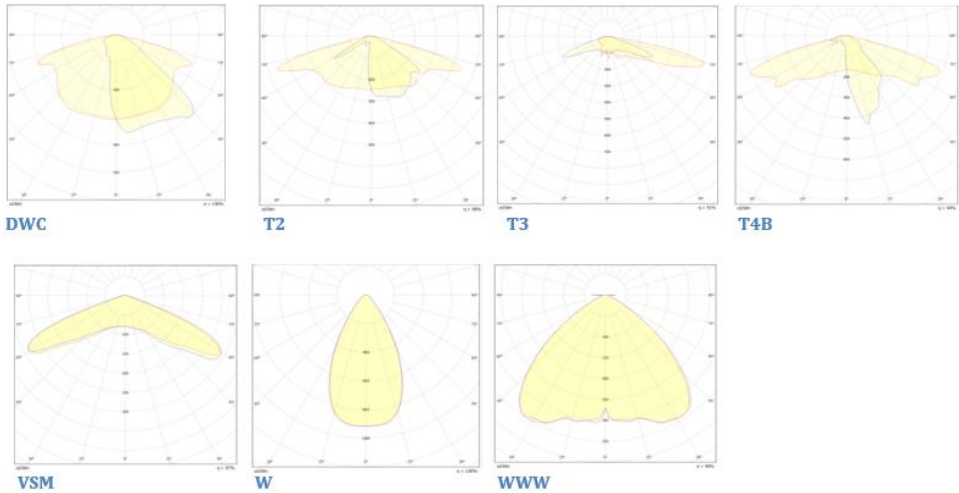
OPTICAL UNIT

Standard optic	CS12862_STRADA-IP-2X6DWC or similar according to application / lighting calculation
Applications	Decorative, urban, historical centers, outdoor areas, pedestrian routes
Material	PMMA RoHS compliant
Lens format	Square 50 x 50 mm
Intensity class	According to photometric configuration
Variants	Alternative photometries available on request

PROVISIONS

Installation	Post-top / bracket with 3/4 gas-thread connection
Adjustment	N/A
Maintenance	Inspectable luminaire body, openable with hex key
Wiring	1.5 mm² silicone cable and PG7 cable gland
Driver	Dimmable driver in plastic/aluminum enclosure
Control	1-10V, PWM, resistor, DALI/DALI2, timer; Smart ZigBee/WiFi

Ex. Other Optics:



PLAF ART 35X35

Technical Data & Code Structure



LUMINOUS PERFORMANCE

The indicated values are to be considered with a +/- 5% tolerance. Flux values are nominal at the source and vary according to the driving current and selected optical configuration.

Version	Gross power	Net power	LED	Source flux	Luminaire flux	Indicative eff.
PlafArt_35X35 30W - 12 LED	30 W	28.5 W	12	>5200 lm @4000K/5700K >4992 lm @3000K >4368 lm @2200K	>4500 lm	~158 lm/W
PlafArt_35X35 40W - 12 LED	40 W	38 W	12	>6400 lm @4000K/5700K >6144 lm @3000K >5376 lm @2200K	>5600 lm	~147 lm/W
PlafArt_35X35 40W - 24 LED	40 W	38 W	24	>7400 lm @4000K/5700K >7104 lm @3000K >6216 lm @2200K	>6500 lm	~171 lm/W
PlafArt_35X35 50W - 12 LED	50 W	47.5 W	12	>7500 lm @4000K/5700K >7200 lm @3000K >6300 lm @2200K	>6600 lm	~139 lm/W
PlafArt_35X35 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

PERFORMANCE NOTES

Color temperature	4000 K standard; other color temperatures available on request.	Configuration	The nominal luminous flux varies according to the driving current, LED combination and optic.
Color rendering	Ra >= 70; higher values available on request.	Installation	Post-top or bracket with 3/4 gas-thread connection, according to support configuration.
IPEA index	from A3+ to A6+, variable according to configuration, optic and power supply.	Adjustment	N/A

PROPOSED PRODUCT CODE STRUCTURE

The following structure is an ordered proposal to configure the PLAF ART 35x35 family consistently with the available technical variants.

Pos.	Field	Values	Description
1	Family	PLAF-ART	Decorative 35x35 luminaire
2	Power	040 / 060	Nominal gross power
3	N. LED	12 / 24	Number of installed LEDs
4	CCT	22K / 30K / 40K / 57K	2200 K / 3000 K / 4000 K / 5700 K
5	CRI	70 / 80	Standard or optional CRI
6	Optic	DWC / ALT	STRADA-IP-2X6DWC or alternative photometry
7	Control	FIX / 1-10 / PWM / DALI / TIM / SMART	Fixed, dimming or smart control
8	Installation	GAS34	3/4 gas-thread connection

CONFIGURATION EXAMPLE

EXAMPLE	PLAF-ART-060-24-40K-70-DWC-DALI-GAS34
Description	PLAF ART 35x35 60 W, 24 LED, 4000 K, CRI 70, STRADA-IP-2X6DWC optic, DALI power supply, 3/4 gas-thread connection

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 able to accommodate hardware parts for Smart and remote-control solutions.
Driver	Configurations available on request: 1-10V, PWM, resistor, DALI/DALI2 or timer.