ALL IN ONE SLIGHT

Technical Datasheet

PRODUCT FEATURES

Description	All-in-one solar LED street luminaire made of die-cast aluminium, epoxy powder coated
Application	Solar street and outdoor lighting
Insulation class	NA
Protection rating	IP66
Certifications	CE, RoHS, IP66
Mounting	Ø60 mm pole connection
Dimensions	832 x 345 x 115 mm
Weight	8 kg

SOLAR AND STORAGE SYSTEM

Solar panel	Maximum power 75 W; high-efficiency polycrystalline silicon cells
Panel lifetime	>25 years
Batteries	EVE / CATL / CALB 32 Ah - 3.2 V prismatic LiFePO4 cells or similar
Storage	4S1P - 12.8 V 32 Ah - approx. 409 Wh with BMS and active balancer
Battery lifetime	>10 years; 3500 charge/discharge cycles
Controller	MPPT
Sensor	PIR / RADAR with spherical range up to 7 m
Autonomy	≥20 h at full output with traffic; ≥24 h in energy-saving mode

MECHANICAL FEATURES

Body	Die-cast aluminium, epoxy powder coated
Tilt	Adjustable tilt -15° / +15° ~ 90°
Connection	Ø60 mm pole
Operating temperature	-10°C / +60°C
Recommended mounting height	6 - 8 m
Pole spacing	20 m / 25 m recommended
Packaging	880 x 390 x 170 mm

LED AND CONTROL FEATURES

LED lamp	With integrated sensor
Maximum power	40 W / 60 W / 80 W
Chip LED	CREE XP-G3 S6/S7, >188 lm/W
LED lifetime	>353.000 h L90-B10
CCT	3000 K / 4000 K / 5700 K; other on request
CRI	Ra >= 70
Control	IRDA / WiFi parameter programming

The company reserves the right to update product components and specifications without prior notice.
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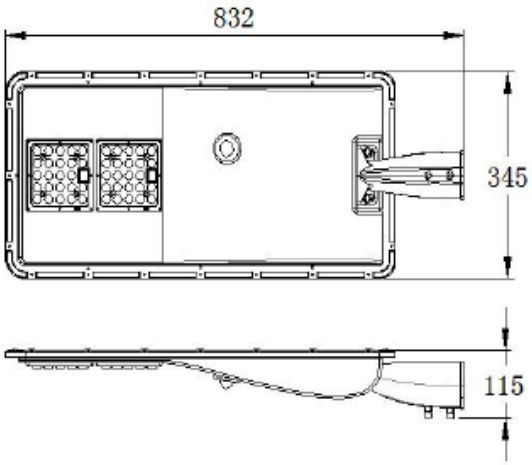
ALL IN ONE SLIGHT

Dimensions and Solar System

DIMENSIONS



Model	L [mm]	W [mm]	H [mm]	Packaging [mm]	Pole	Weight
ALL IN ONE SLIGHT	832	345	115	880 x 390 x 170	Ø60 mm	8 kg

SOLAR CONFIGURATION

Parameter	Description	Default
S-C POWER	Power during passage (vehicles / pedestrians)	100%
S-D TIME	Maximum switch-on duration	60 sec
S-L POWER	Power with no obstacles detected (vehicles / pedestrians)	20% standard; 50% for SOLAR_ALL_IN_ONE 40W_12LED 2P

PROGRAMMING

Function	Description
Programmer	Programmer for IRDA / WiFi parameter settings
Operating modes	Power configuration, switch-on duration and energy-saving level

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ALL IN ONE SLIGHT

Technical Data & Code Structure

LUMINOUS PERFORMANCE

Values are to be considered with +/- 5% tolerance. Source flux values vary according to CCT and driving current. Autonomy depends on dimming profile, detected traffic, solar irradiation and environmental conditions.

Version	Gross power	Net power	LED	Source flux	Storage with BMS
SOLAR_ALL_IN_ONE 40W - 12 LED LiFePO4	40 W	38 W	12	>6400 lm	4S1P - 12.8 V 32 Ah - 409 Wh
SOLAR_ALL_IN_ONE 60/80W - 24 LED LiFePO4	60/80 W	57/76 W	24	>10500...12700 lm	4S1P - 12.8 V 32 Ah - 409 Wh

PERFORMANCE NOTES

Color temperature	3000 K / 4000 K / 5700 K; other color temperatures on request.
Autonomy	≥20 h at full output only when traffic is detected; ≥24 h in energy-saving mode.
Installation	Recommended mounting height 6-7 m; recommended pole spacing 20/25 m.
Configuration	Solar panel, battery, sensor and operating profiles can be configured according to the project.

PRODUCT CODE STRUCTURE

The following structure is an ordered proposal for configuring the ALL IN ONE SLIGHT family consistently with the available technical variants.

Pos.	Field	Values	Description
1	Family	SOLAR-ALL-IN-ONE	All-in-one solar street luminaire
2	Power	040 / 060 / 080	Nominal gross power
3	No. LEDs	12 / 24	Number of installed LEDs
4	CCT	30K / 40K / 57K / ALT	3000 K / 4000 K / 5700 K / other
5	Battery	LIFEPO4	LiFePO4 battery with BMS
6	Sensor	PIR / RADAR	Proximity sensor
7	Control	IRDA / WIFI	Parameter programming
8	Installation	POLE-60	Ø60 mm pole connection

CONFIGURATION EXAMPLE

EXAMPLE	SOLAR-ALL-IN-ONE-040-12-40K-LIFEPO4-RADAR-WIFI-POLE60
Description	All In One Slight 40 W, 12 LED, 4000 K, LiFePO4 battery, RADAR sensor, WiFi programming, Ø60 mm pole connection.

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