



SOLAR LIGHT COLUMN

lukida 8000 twin P200-215

PRELIMINARY DATA SHEET

An aesthetic solar light column with vertically integrated photovoltaics and luminaire, with an award-winning design, ideal for outdoor lighting applications, where design matters, such as gardens, parks, boulevards.

Light source	8 high-efficiency LEDs
Max. LED power	35 Watt
SOP Solar operating power	35 Watt
Max. luminous flux @ SOP	2x 2,500 lm
Luminaire efficacy	145 lm/W
Nominal power of solar cells	205 Watt peak
SPR System Power Ratio	6
Autonomy	3 nights (36h)
Pole height	8.0 / 10.0 / 12.0 m
Light spot height	7.95 / 9.95 / 11.95 m

PRODUCT INNOVATION AWARD @



**URBAN DESIGN &
LANDSCAPING
EXPO**



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LUMINAIRE

SOP Solar Operating Power	35 Watt
Max. luminous flux @ SOP	2x 2,500 lm
Luminaire efficacy	145 lm/W
Correlated Colour Temperature (CCT)	5,000 K (cool white) 3,000 K (warm white) - optionally 4,000 K (neutral white) - optionally
Colour rendering index (CRI)	≥ 70
Life time of LEDs (L70/B10)	> 90,000 hours
Material (housing)	Aluminium
Finishing (housing)	Powder-coated
Weight	10.3 kg

COLUMN

Wind class acc. EN 40	45 m/s
Pole height	8.0 / 10.0 / 12.0 m
Light spot height	7.95 / 9.95 / 11.95 m
Pole diameter	215 mm (8.0 m pole)
Pole weight	177 kg (8.0 m pole)
Foundation	Flange plate Sleeve foundation - optionally
Material	Steel
Finishing	Hot-dip galvanized Paint-coated RAL 9006 (white aluminium) Powder-coating, other RAL colours - optionally
Corrosion class	C4

POWER TUBE P200-215

Technology	Silicon solar cells
Number of solar cells (array)	48 pcs (4 strings x 12 pcs / string)
Nominal power of solar cells	205 Watt peak
Dimensions (mm)	L1,997 x Ø215
Weight	17.0 kg

POWER CONTROL

Programmable microcontroller	✓
Controller location	Pole
Dynamic light profile	Customer-specific
Motion detector	In preparation
Hybrid power supply (AC back-up)	Optionally

BATTERY

Technology	VRLA, cycle type	
Location	earth pit	inside pole
Capacity	105 Ah / 12 V	5 x 23 Ah / 12 V
Dimensions (mm)	L407 x W177 x H225	5 pcs: L181 x W77 x H167
Weight	35.0 kg	30.0 kg

SYSTEM

SPR System Power Ratio	6
Autonomy	3 nights (36h)

STANDARDS AND COMPLIANCES

ISO	ISO 9001-2015
Illumination	According to EN 13201, IESNA RP-8-00
Light pole	EN 40
Power tube impact protection rating	IK06
Photovoltaics	EN 61215 (adapted)
Temperature range	-40 °C to +50 °C (battery in earth pit)
CE	✓
RoHS	✓

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