



# SOLAR LIGHT COLUMN

# lukida 8000 twin

P400-215

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.

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





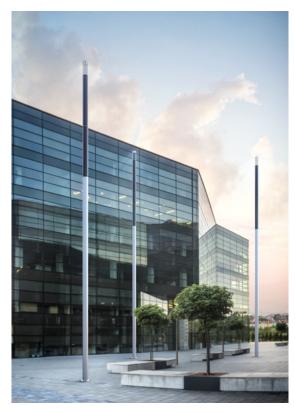


© DT INTERNATIONAL SA 2019 11 Rue d'Italie, CH-1204 Geneva, Switzerland www.dti-energies.com / info@dti-enegies.com / +41 22 752 50 41

TECHNICAL DATA SUBJECT TO CHANGE WITHOUT NOTICE. MISPRINTS RESERVED. JANUARY 2019















Lukida 8000 twin P400-215 Preliminary Data Sheet Data as of: 2019-01-25

#### **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)

≥ 70

3,000 K (warm white) - optionally 4,000 K (neutral white) - optionally

Colour rendering index (CRI)

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 160 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

#### 2X 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)	L522 x W240 x H223	5 pcs: L181 x W77 x H167
Weight	65.0 kg	30.0 kg

#### **SYSTEM**

SPR System Power Ratio 11

**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