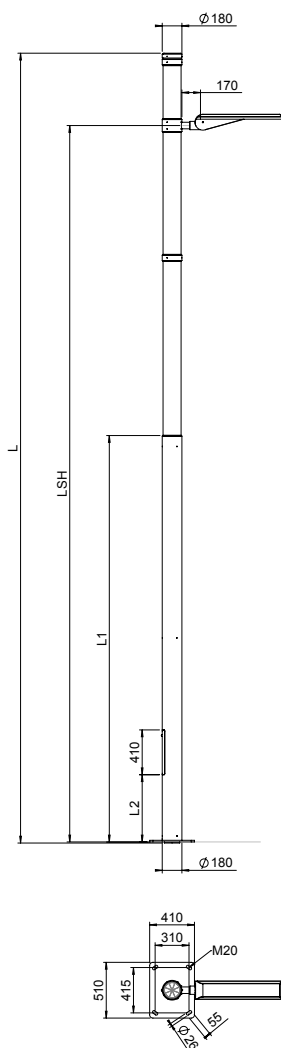


DATA SHEET

TOUCHÉ - COLUMN

TOUCHÉ



PRODUCT DESCRIPTION

TOUCHÉ is a stand-alone, self-sufficient solar cell column for professional exterior LED lighting systems. TOUCHÉ is flexible and accommodates the most common LED luminaires.

The integrated controller management system [CMS] allows management of the individual lighting profile and the tracking of operating data, alarms and capacity performance.

The cylindrical column is covered by solar cells 360° and ensures maximum uptake of direct and reflected sunlight all day long with a high level of operating reliability due to the PMMA coverage.

MATERIALS

Due to the choice of materials such as a steel cone, recyclable aluminum bases and impact-resistant polycarbonate cover, TOUCHÉ is a clean, eco-friendly product:

- 100% carbon-neutral operation
- 18% polycrystalline solar cells
- 100% recyclable materials
- UV-resistant and impact resistant PMMA cover. Class IK08
- Integrated CMS light control
- Remote access and monitoring [optional]

CUSTOMIZE YOUR TOUCHÉ

The TOUCHÉ can be customized to meet your requirements. From 1 to 6 solar panels. Total height from 3-12 meters.

TOUCHÉ - SOLAR CELL LIGHTING COLUMN - EXAMPLES

TYPE	LSH MM	L MM	L1 MM	L2 MM	SOLAR MODULE	WEIGHT KG
3500	3500	4170	660	110	2	103
5000	5100	5770	610	110	3	134
6500	6550	7220	3710	600	2	166
8000	8000	8660	5150	600	2	200

COLUMN	
Total height	Flexible 3 to 12 m
Diameter	Ø180
Bracket	Flexible from 180 mm. Top mounting optional
Total weight	From 100 kg.
Installation	Mounted on base plate
Steel parts (recyclable)	Hot dip galvanized, EN 1461. S235 – 355
Aluminum parts (recyclable)	Natural Anodized 20my (25 my opt.). Aluminum EN AW 6063-T6.
Service hatch	85 x 140 mm, security lock optional
EC Certificate of Conformity	EN 40-5 /CE
Patent	Patent design. Pat.pending inside ventilation system
BATTERY	
Model	AGM Gel, 12 volt, 100 AH. VRLA
Dimensions/ weight	330x172x222 mm /31,6 kg.
Temperature	-15°C (min.) to 50°C (max.)
Expected lifetime / Functional Warranty	5/4 years
Depth of discharge	Calculated to max. 25% pr. cycle
Certificate	CE 1188 / 29410
Recyclability	97% recyclable (EC 2006/66)
Optional technologies	Li-on, Li-fi, AGM, Lead-Acid, Lead-gel, Ni-Mh.
Autonomy	3-10 days
CONTROL UNIT AND POWER MANAGEMENT SYSTEM	
Operation mode	“Stand alone”, “Safe” or “Active”*
Dimming	0-100%
Battery Voltage, supported	10,8 – 14 volt. Cut off at 10.8 volt
Operation Temperature	-40°C (min.) to 85°C (max.)
LED Driver:	12 volt driver for LED luminaires built in
Output current max.	200-350-500 mA DC
Output Voltage	70 (min.) to 130 (max.) volt DC
Maximum wattage supported	65 W
Certification electronics	IP66
GPRS WEB Connection	850/900/1800/1900 MHz
Control unit access	USB port. Web connection optional
Light management	Astronomical clock, 365 days pre-programmed
*Stand Alone: 100% battery, *Safe: Combined battery and grid connection *Active: 100% grid connection	
SOLAR MODULES	
Solar module pr. column	1-6
Dimensions of solar modules	1700 mm / 1000 mm / 700mm
Technology	Polycrystalline, 18 % Silicium solar cells
Peak power output pr. panel	95 W
Lifetime	20 years functional warranty (80%)
Solar cell cover, protection class	PC/PMMA (UV-resistant), IK08
Certificates	IEC 61215/ IEC 61730 1 and 2
Operating temperature	-40°C (min.) to 85°C (max.)
FOUNDATION	
Weight	650 kg.
Dimensions	500 x 600 x 1000 mm
Material	Concrete