

DESIGNED AND MANUFACTURED IN SLOVENIA

PORTABLE LIGHTING TOWER

Luminos ambiente® PORTABLE LIGHTING TOWER with built-in 6 LED reflectors, each 75W or 150W, with manual rotary mechanism extendable telescope mast and compact body represents the most efficient system of its kind on the market. We use a composition of LED diodes developed in Slovenia, where we achieve an extremely high efficiency on the LED panel, namely 210 lm/W at 4000K, 5000K or 6000K. In the 900W system our luminous output is 3330 lm/kg.

Due to the use of the portable lighting tower in emergency situations (fires, accidents,...), the active elements - LEDs and power supply units are oversized. The design itself enables quick installation of the lighting tower, namely 30 - 60 seconds. 6 pcs of LEDs reflectors can be manually arranged so that they shine in a 360° circle or only in one direction 180°. After initial installation, the whole reflector 90 degree set can also be rotated manually. It is also possible to tilt the reflectors (up/down). The control part of the led power supply is made in such a way that it is possible to manually set the electric power from 20 - 450W (or 40 - 900W).

Dimension of standard wheels on the tower is DIA 120mm. Larger wheels with dimensions (DIA150, DIA 160 or DIA 180 mm) can also be installed

The entire system is made of aluminum, where the casing is anodized in matte black and the telescope is anodized in matte dark brown. In case of illumination of the system it does not reflect light and reveal its position unnecessarily.

The lighting part of this system consists of 6 LED reflectors in which the standard mounted optics is 60°. Other possible optics combinations are: 30°, 60° and 90°. Due to different needs the optics can also be changed later on. The PLT device can be connected via male plug CEE16A or SCHUKO IP68.

AREA OF USE:

- fire and police interventions,
- use for military purposes,
- illumination of larger event areas,
- illumination of work spaces, open-pits,
- interventions in communal and electrical maintenance jobs,
- temporary illumination of all kinds of sports events, ...



160 lm/W
HIGH EFFICIENCY
LED REFLECTOR

CLOSED PORTABLE LIGHTING TOWER,
READY FOR FIELD TRANSPORT



Technical data : LA-PLT-450W-6000K-R1

Luminaire type	PORTABLE LIGHTING TOWER
Angle of illumination	optics 60°
Net luminous flux	72.000 lm (at 450 W and 6000K)
Luminous efficacy	160 lm/W
Color temperature (T _{cp})	6000 K (optional 4000 - 6000K)
Color rendering index (CRI)	> 80
Nominal electrical power	20-450 W (dimable) (up to 900W)
Power consumption	450 kWh/1000h (at 450 W)
Input voltage AC	AC 110/230 V
Electricity connection	CEE16A or SCHUKO , IP65
Height of tower telescope	min 1,2 m - max 4,5m
Temperature range	-20 / +50 °C
Housing	Drawn aluminum
IP protection	IP 65
Housing color / cover	Black / clear difusser 3 mm
Tower dimensions	1220 x 410 x 410 mm
Weight	42 kg
Wind resistance	10 m/s without anchor
Wind resistance	30 m/s with anchor
Energy efficiency class	A++, EEI<0,1
Lamp survival factor	1
Lifetime of LED die (L80/B10)	100.000 hours
Warranty	5 years
Certificates	CE certificate, SIQ

REFLECTORS IN 360 DEGREE POSITION



REFLECTORS IN 180 SEGREE POSITION



300°
rotation



Lifetime of the complete device is 15 years.

EXAMPLE OF PORTABLE LIGHTING TOWER ORDER:

LA-PLT-xxxW-xxxxK-Rxx

LUMINOS
AMBIENTE

PORTABLE
LIGHTING TOWER

Light color [K]
(4000, 5000 ali 6000)

Max. connection power
(up to 450W or 900W)

Angle of illumination
- (1) - 100% R60,
- (2) - 100% R90,
- (3) - 100% R30,
- (4) - 40% R30, 40% R60, 20% R90,
- by agreement with buyer.

MANUFACTURED AND SOLD BY:
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"LED lights LUMINOS ambiente"

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