



SEAK



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Félix BUSINESS AWARD 2022



BRITISH EMBASSY GREEN TECH AWARDS 2021

LUMiCHARGER LP 4 EV Charging Light Column

THE SUSTAINABLE SOLUTION FOR A GREENER CITY

Integration with smart public lighting

Utilizing existing lighting power grid for cars

LUMiCHARGER LP 4 is EV charger integrated into public lighting, which can work independently or communicate with Seak lighting control system to negotiate the power available for electric vehicle (EV) charging. During the day, street lighting remains in standby mode and we use full line capacity for EV charging. At night part of line capacity is used for lighting and the rest for cars. Further, the power saved by dimming of luminaires is used to increase the charging rate we can deliver to the EVs.

Payment and Authentication variability

RFID, Contactless card, QR code & Smart phone via



Connectivity

GSM/LAN/RS485 connection

OCPP 1.6j

E-roaming support

Optional contactless payments



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Schedule a call with a member of our sales team.

Casing	
Material	Aluminium
Dimensions	4-8 metres
Finish	Untreated, coated and anodised
Protection	Double-insulated
Input values	
Standby power	5 watts
AC incoming	400V AC with 3 phase, neutral and earth
Voltage and current consumption	400V AC at 32A
Maximum connected load	32A (limited to 30A by software)
Output values	
AC output power max	22 kW
Communication	
RFID reader	Complies with ISO 15693 and ISO 14443
Connection	
Connection to vehicle	Type 2 connector in accordance with IEC 62196
Installation parts	
Circuit breaker	4 pole 32A
Residual-current device	Residual-current device 30mA
Main switch	40A 4 pole
Ambient conditions	
Operating temperature	Ambient temperature from -30 to +50 degrees Celsius
Humidity	Up to 95% non-condensing
Software	
Firmware	Remote firmware update
Backoffice	Cloud backoffice (via LMS)
Protocols	OCCP 1.2, 1.5, 1.6, 2.0
Optional Controller	
Type	LUMIMASTER (4G Modem)
Standards	
Charging mode	Mode 3 in accordance with IEC 61851
Safety standards	Complies with IEC 61851, IEC 62196 and IEC 61439

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Charging
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