A.S.P. Electronic

LUX420S1- C-100/200

Features

- Reliable and accurate twilight ambient IP lux light meter for both indoor and outdoor conditions.
- ModBus RTU RS485 communications output.
- Easy installation and orientation.

Applications

- Lighting control for streetlights and outdoor and indoor luminaires

Description

The LUX420S1 IP outdoor lux light meter measures the illuminance (lux) of ambient light and converts it into a communication bus ModBus RTU RS485. It was specifically developed for twilight ambient light measurement (0-100/200 lux). It is widely used in streetlight control systems.
This luminaire's 4-20 mA output signal is provided by the same power cable, offering easy wiring during installation.
It is based on a Si photosensor, which offers sensitivity close to visible light and stable performance.
High degree of outdoor protection and robust stainless steel construction.

Outdoor Luxmeter Technical Specifications.	
Parameters	
Power supply	24 Vdc (± 10%)
Output signal	ModBus RTU RS485 , Half duplex (A,B)
Bus speed	9600, 19200 y 38400 bauds
Bus Slave	0-64
Illuminance Range	0-100 lux (Ev=100lux), 0-200 lux (Ev=200lux)
Linearity	<2%
Accuracy	<± 5% FS (0-100 lux), <± 5% FS (0-200 lux)
Spectral Senstitivity	Max. at 570 nm
Degree of protecction	IP65
Exterior material	Stainless Steel
Working temperature	-30º - +60º
Working humidity	30%-80% without condensation
Conexion	2 m. cable

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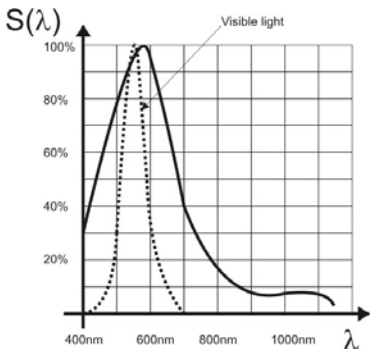
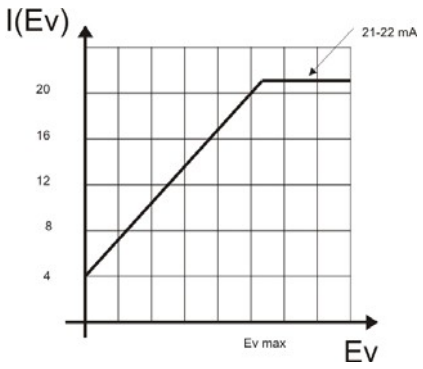
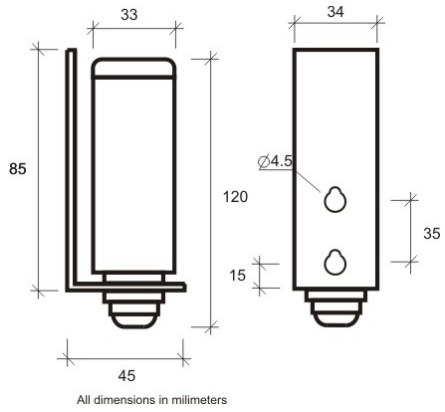
Sensitivity



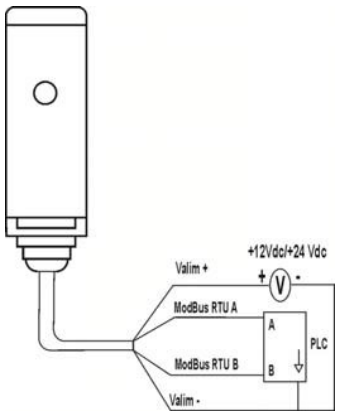
Output



Dimensions



Connection



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