

Features

- Reliable and accurate twilight ambient light meter for both indoor and outdoor conditions.
- 4-20 mA current loop output via the same power cable.
- 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 current loop signal. 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.

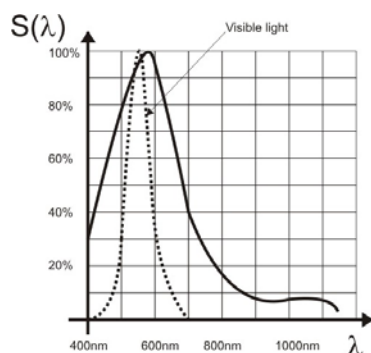
High degree of outdoor protection and robust stainless steel construction.

Outdoor Luxmeter Technical Specifications.

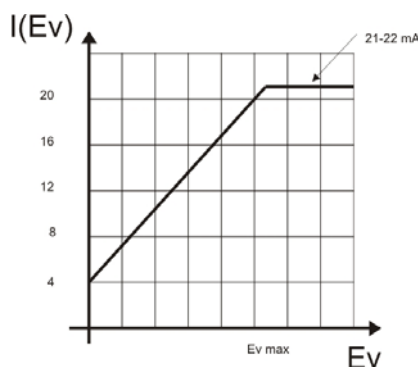
Parameters

Power supply	24 Vdc ($\pm 10\%$)
Output signal	4- 20 mA
Illuminance Range	0-100 lux ($E_v=100\text{lux}$), 0-200 lux ($E_v=200\text{lux}$)
Linearity	<2%
Accuracy	< $\pm 5\%$ FS (0-100 lux), < $\pm 5\%$ FS (0-200 lux)
Spectral Sensitivity	Max. at 570 nm
Degree of protection	IP65
Exterior material	Stainless Steel
Working temperature	-30° - +60°
Working humidity	30%-80% without condensation
Conexion	2 m. cable

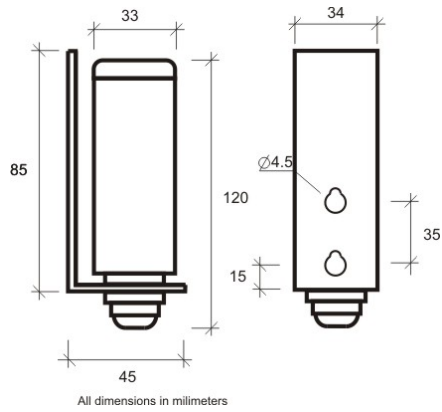
Sensitivity



Output



Dimensions



Connection

