

**TRILUX**  
SIMPLIFY YOUR LIGHT.



## SOLAR-POWERED OUTDOOR LUMINAIRES FOR SUSTAINABLE CITIES

CUVIA 40 / LUMEGA IQ 50N

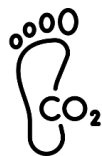
Solar-powered outdoor luminaires are not only an environmentally friendly alternative, but also a step towards intelligent and efficient lighting. Their use helps to make towns and cities safer, greener and more energy-efficient – an investment in the sustainable future of our urban areas.

### Benefits



#### ENVIRONMENTALLY FRIENDLY CITYSCAPES

Solar lighting sustainably reduces the ecological footprint of urban lighting systems. The solar-powered lighting solution saves costs compared to mains powered lighting and reduces energy consumption.



#### LOW INSTALLATION COMPLEXITY AND SUSTAINABILITY

The combination of high functionality and attractive design makes solar-powered outdoor luminaires a forward-looking solution. With low installation effort, solar-powered outdoor luminaires are ideal for remote locations as well as urban areas without a power supply. Installing a lighting solution with solar energy requires no additional construction work.



#### WEATHER-INDEPENDENT LIGHTING

Thanks to the integration of efficient battery storage, continuous illumination output is guaranteed (even in less favourable weather conditions) to ensure reliable lighting.



#### SMART AND EFFICIENT

The luminaires are intelligently controlled. Motion sensors ensure that the lighting is only activated when actually needed.



## Portfolio



CUVIA 40



LUMEGA IQ 50N

Technical data	CUVIA 40	LUMEGA IQ 50N
Photovoltaic module output	80 W	80 W
Luminous flux	1200 lm	1200 lm
Light colour	3000 K (others on request)	3000 K (others on request)
Protection rating	IP65	IP65
System voltage	12 V DC	12 V DC
System power consumption	9 W	9 W
Battery capacity	27 Ah	27 Ah
Backup time	approx. 5 days	approx. 5 days
Recommended mounting height	4-5 m	4-5 m

## Efficiency calculation using a 60 W luminaire

	Conventional luminaire	Solar luminaire
<b>Prices</b>		
Post	€ 500	€ 500
Luminaire	€ 250	€ 250
Solar components		€ 3,200
Total investment	<b>€ 750</b>	<b>€ 3,950</b>
<b>Ongoing costs</b>		
Energy (0.35 €/kWh)	€ 84	
Maintenance costs	€ 200 / year	
<b>Payback calculation</b>		
Break-even	<b>12 years</b>	
Total costs 20 years	<b>€ 6,430</b>	<b>€ 3,950</b>
Savings over 20 years		<b>€ -2,480</b>

