



Energy savings - powered by the sun



Plug and play **all-in-one solar streetlight**



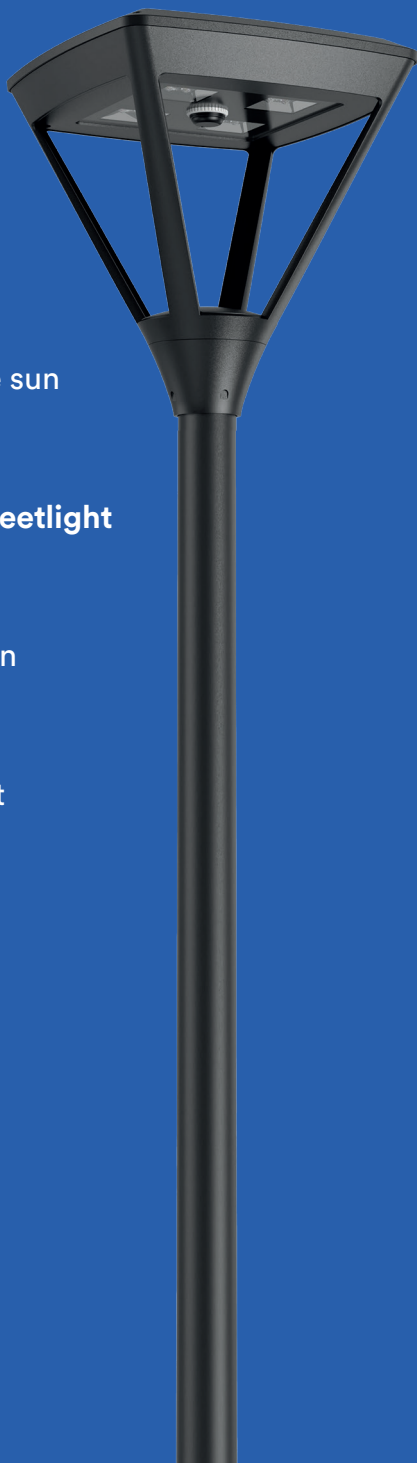
Stylish and contemporary design



Intelligent lighting management

 **OMNILIGHT**

Arkos

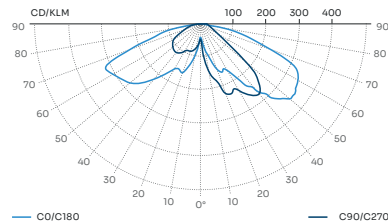


Arkos

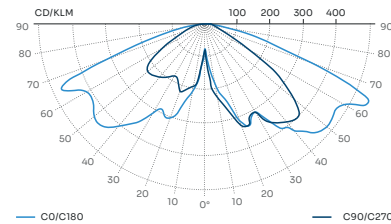
ALL-IN-ONE SOLAR STREETLIGHT

LIGHT DISTRIBUTION

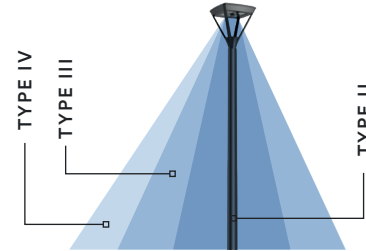
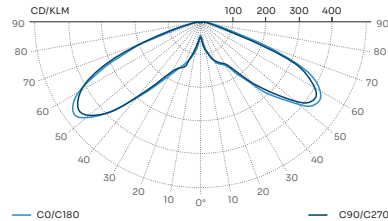
TYPE II (roadway/walkway)



TYPE III (large roadway/area)



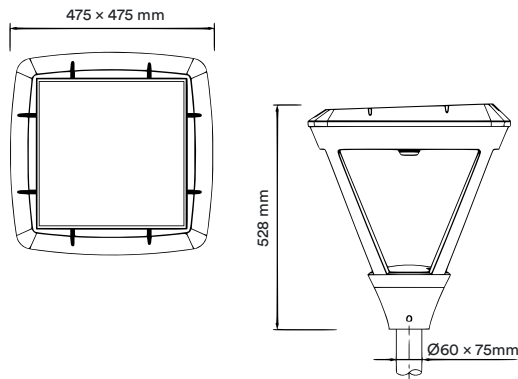
TYPE IV (parc /parking)



COLORS TEMPERATURES



DIMENSIONS



	IP65	IK07(PV)	IK08	CE
LED	High-efficiency LED Module	56 LEDs 3030		
	Initial luminous flux Tj=25°C (up to)	1920 lumens *		
	Power consumption(up to)	12W *		
	Initial luminaire efficacy Tj=25°C (up to)	160 lm/W (4000 K)		
	Real luminous flux Tj=85°C (up to)	1800 lumens *		
	CRI	>70		
	Optic system	PMMA lenses & tempered glass protection		
	IK rating	IK08		
	Upward light output ratio ULOR	0%		
	Color temperature	3000 K, 4000 K		
SOLAR	LEDs module thermal dissipation	Passive dissipation by convection through the aluminium luminaire body		
	Technology	Monocrystalline silicon		
	Power	18 Wp / 18 Vdc		
	Lifetime	> 25 years at 80% of initial power		
	Tilt	Horizontal (0°)		
	Structure	Frameless		
	Battery technology	High grade LiFePO4 Battery (resistance to extreme temperatures, maintenance-free)		
	Capacity	154Wh (12.8V 12Ah)		
	Operating temperature	-35°C to +60°C		
	Protection	BMS protection in the battery		
BATTERY	Battery recharge time in sunny conditions	3 to 4 h		
	Autonomy (up to)	3 nights*		
	Lifetime	10 years		
	Charge controller technology	MPPT charge controller with programmable lighting levels		
	Electrical protection	Reverse polarity protection, over-voltage protection, overcharge and overdischarge protection, over temperature protection, open circuit and short circuit protection		
	Connectors	Quick connectors (easy maintenance & components replacement)		
	Protection class	Class III		
	Housing material	High pressure die-cast aluminium		
	Fixing elements	Stainless steel		
	Anti-condensation valve	-		
ELECTRICAL	Paint and finishes	Polyester powder paint coating. Resistant to corrosion.		
	IP rating	IP66		
	IK rating	IK08		
	Operating temperature	-35°C to +60°C		
	Dimensions	475x475x600 mm		
	SCx	-		
	Mounting Top mount	Ø60 mm (Ø76 mm in option)		
	Weight (excluding pole)	12 kg		
	Maintenance	Replaceable modules: LEDs, battery and charge controller.		
	Options	Motion detector		
GENERAL	Recommended mounting height	3 - 7 m		
	Warranty	3 years (extension to 5 years available)		

* consult us for possible power settings



OMNILIGHT
EFFICIENT SOLAR LIGHTING