



Hansagreen
LED

ARC DOME DC

ARCDDC-PTS-80W-XXXXK

*Dark Sky
Logo*



+971 65 260 706

sales-me@hansagreen.com

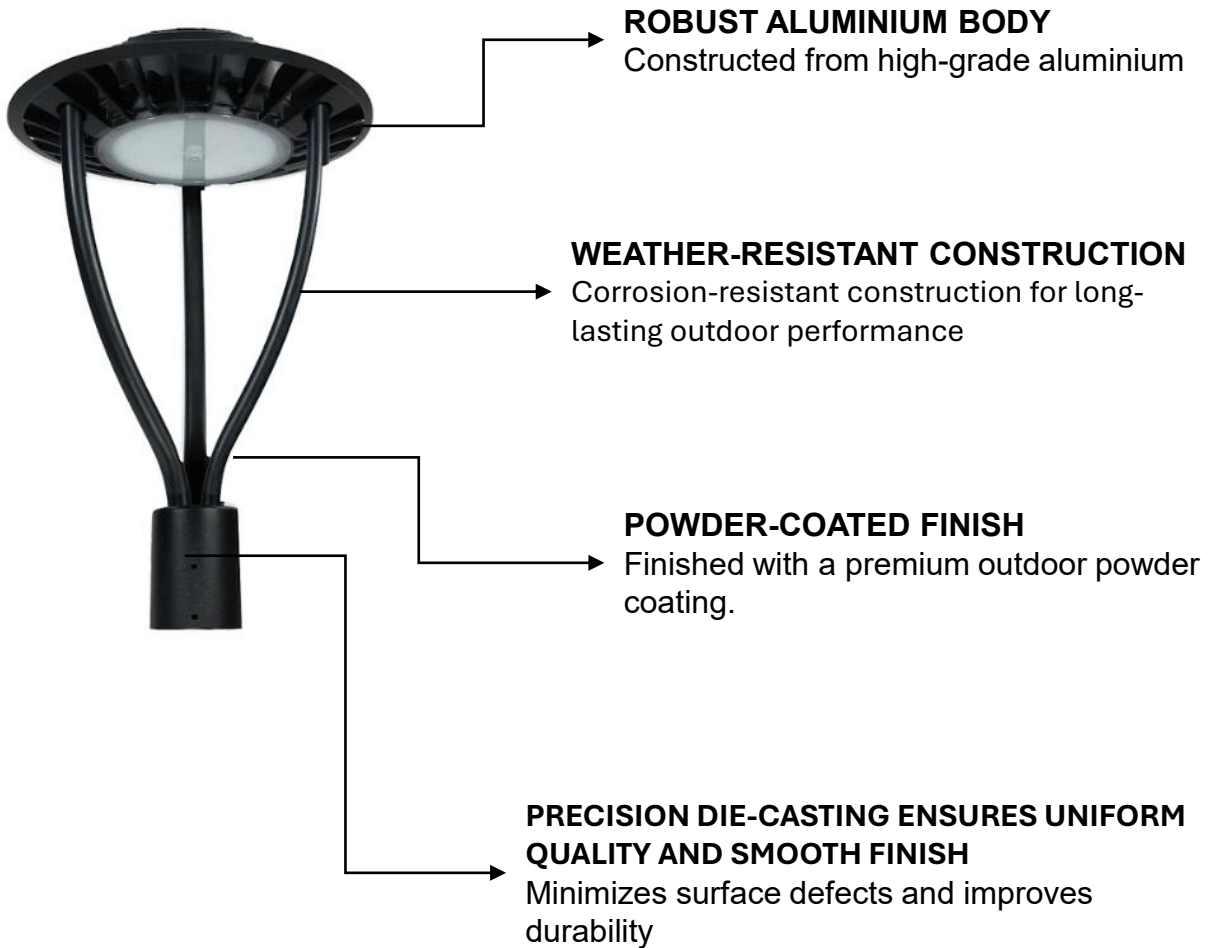
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ARCDDC-PTS-80W-XXXXK



PRODUCT HIGHLIGHTS



FEATURES



Thermal Management



Corrosion Resistance



Vibration Resistance



Easy Maintenance



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DESCRIPTION

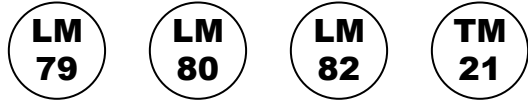
Arc Dome DC is a high-performance DC pole top light designed for efficient and uniform outdoor illumination. It is ideal for solar-powered, battery-based, and off-grid lighting applications. Suitable for roads, parking areas, and community spaces, it delivers reliable performance, energy savings, and low maintenance.



Conformity



Compliant with



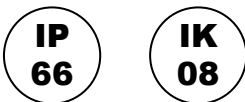
Tested for Safety



Insulation Class



Protection Class



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ARC DOME DC

ARCDDC-PTS-80W-XXXXX



ORDERING CODE

ARCDDC-PTS-80W-XXXXX-xx-xxxxx

PRODUCT NAME	CATEGORY	ELECTRICAL TYPE	PRODUCT FAMILY	POWER	CCT	BODY COLOUR	CONTROL OPTIONS
ARC	D	DC	PTS	XXW	XXXXK	xx	xxxxx
ARC	DOME	DC LIGHT	POLE TOP	UP TO 80W	2700K	BL (BLACK)	12V60-80-120-160-200
					3000K	SP (SPECIAL)	24V120-160-180

Example: For the Pole top model ARC DOME DC with a power rating of 80W, CCT 2700K, Black body colour and a height of 700 mm, diameter of 462mm , Pole diameter of 76mm the ordering code will be ARCDDC-PTS-80W-2700K-GR-12V80

TECHNICAL SPECIFICATION

LUMINAIRE DETAILS	
PRODUCT NAME	ARC DOME DC
PRODUCT TYPE	LED POLE TOP LIGHT
PRODUCT CODE	ARCDDC-PTS-80W-XXXXX
MAXIMUM HOUSING POWER	UP TO 80W

HOUSING DETAILS	
BODY MATERIAL	CORROSION-RESISTANT ALUMINIUM DIE-CAST
OPTICAL COVER TYPE	UV-STABILIZED POLYCARBONATE (PC) DIFFUSER
OPTICS	SYMMETRIC
BODY COLOUR	BLACK / SPECIAL

CHIP DETAILS	
LIGHT SOURCE	SMD LEDES
AVAILABLE CCT	2700K – 3000K
MACADAM BINNING	STEP 3
CRI	≥80



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TECHNICAL SPECIFICATION

OPTICAL DETAILS

BEAM ANGLE	109.8°
OPTICS	IES Type V (Very Short)
BUG RATING	B3-U0-G1
ULOR(Upward Light Output Ratio)	0% (U0 – Zero Uplight)

LUMINAIRE PERFORMANCE

LUMINAIRE FLUX	8,277 lm (@ 78.67 Tested)
EFFICACY	105.22 lm/W

ENVIRONMENTAL CONDITIONS

AMBIENT TEMPERATURE (TA)	-20°C TO +50°C
HUMIDITY	RH 10–95%

PROTECTION & DURABILITY

IP RATING	IP66
IK RATING	IK08

ELECTRICAL DETAILS

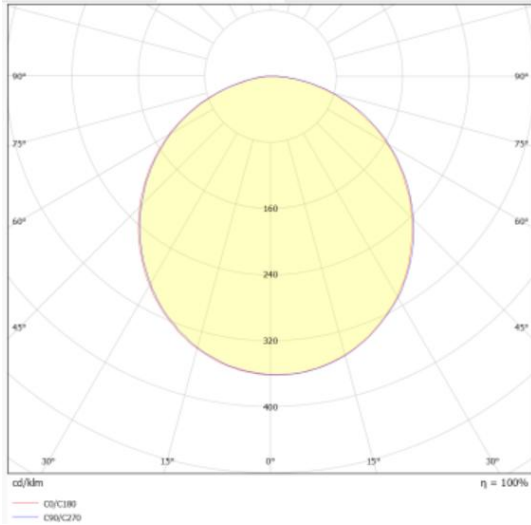
NOMINAL VOLTAGE	24 VDC
RATED POWER	80W
CONTROLLER TYPE	MPPT (Maximum Power Point Tracking) Solar Charge Controller



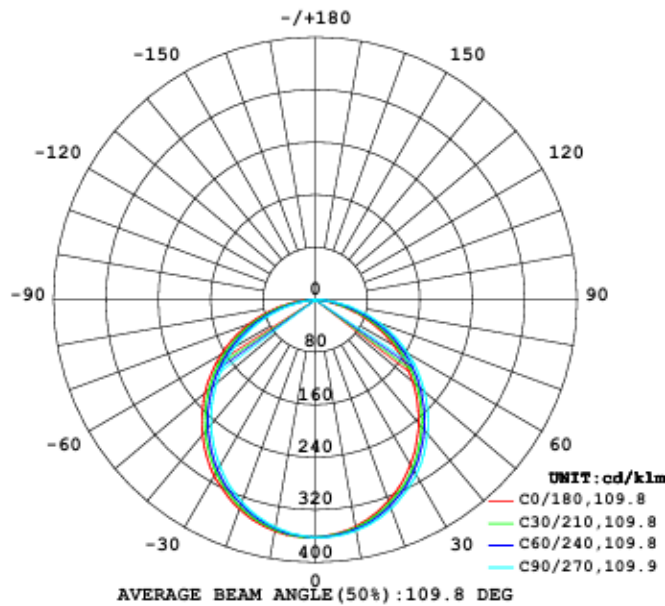
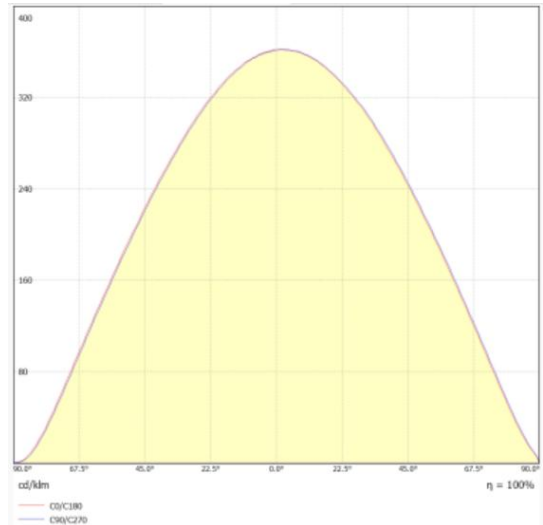


OPTICS & PHOTOMETRIC DETAILS

Polar Plot



Linear Plot

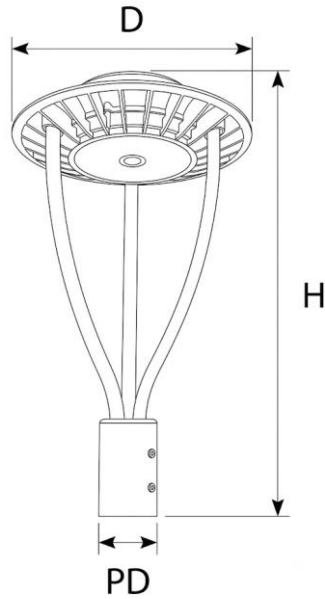


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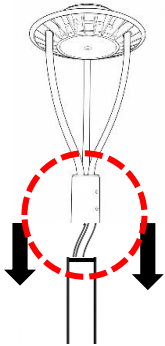
DIMENSIONAL DETAILS



DIMENSIONS	
HEIGHT	580 mm
DIA	385 mm
POLE DIA	64 mm
WEIGHT	3.82 Kg



GENERIC INSTALLATION STEPS

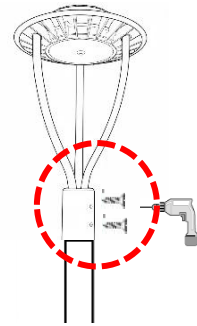


1. Pole Preparation

Remove the M7×20 Allen key fasteners from the mounting arm. Carefully route the supply cable through the pole and ensure it is positioned correctly to prevent damage during installation.

2. Fixture Mounting

Route the cable through the pole and align the luminaire with the mounting arm. Reinstall the M7×20 Allen key fasteners and tighten them securely to ensure proper fixture attachment.



3. Wiring & Test

Connect the power cables securely and switch on the supply to test the luminaire operation.



Don't touch the LED



Do not dispose with normal waste



Ambient Temperature
Ta 50°

IP66

