

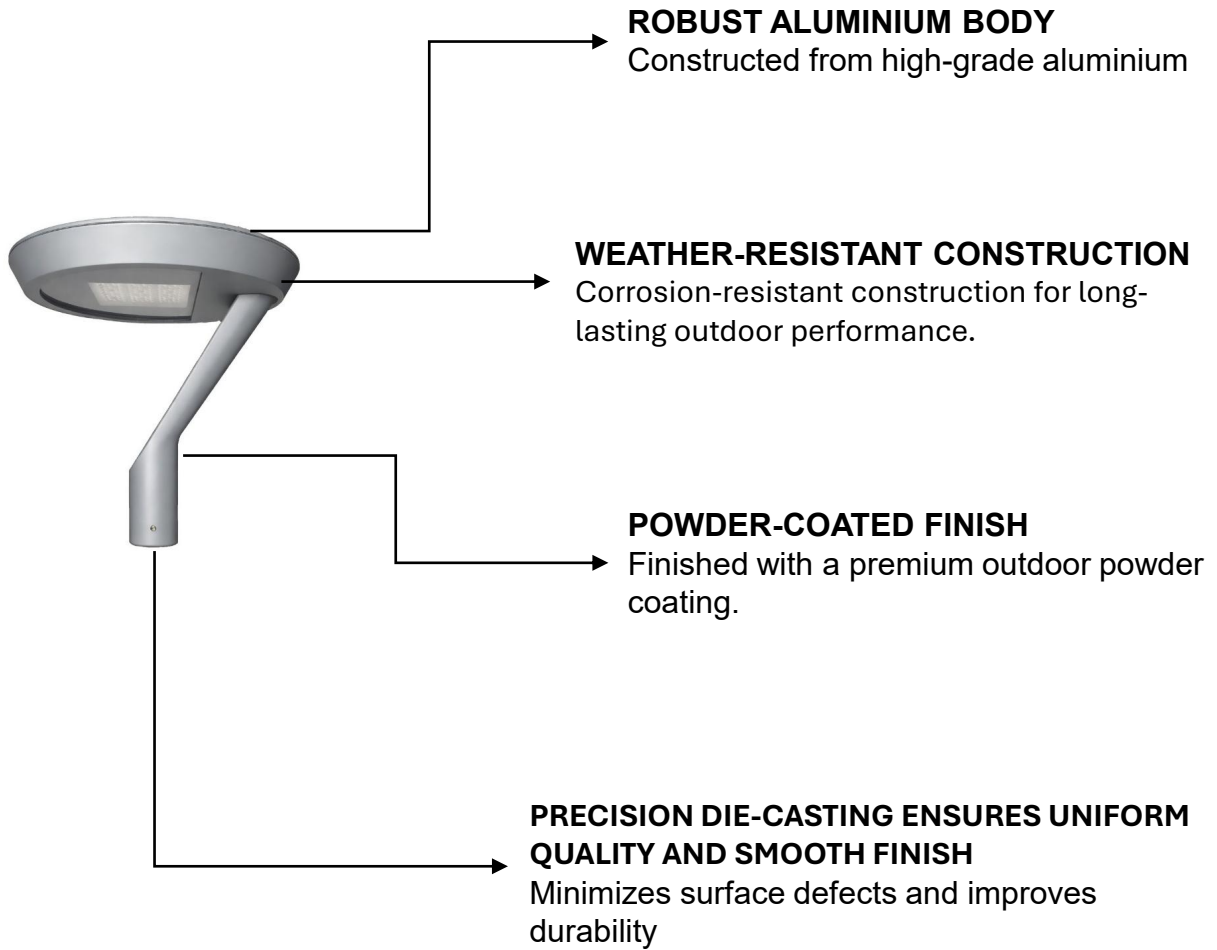
ARC 7 DC

ARC7-PTS-80W-XXXXK

*Dark Sky
Logo*



PRODUCT HIGHLIGHTS



FEATURES



Thermal Management



Corrosion Resistance



Vibration Resistance



Easy Maintenance



ARC 7 DC

ARC7DC-PTS-80W-XXXXK



DESCRIPTION

Arc 7 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 parks and gardens, pedestrian pathways, parking areas, residential communities, and recreational spaces, where consistent and efficient lighting is essential.



Conformity

CB



مجلس أبوظبي
للجودة والمطابقة
Abu Dhabi Quality &
Conformity Council



Compliant with



Tested for Safety



Salt
Spray



3G
Vibration



Photobiological
Safety

Insulation Class



Protection Class





ORDERING CODE

ARC7DC-PTS-80W-XXXXK-xx-xxxxx

PRODUCT NAME	CATEGORY	ELECTRICAL TYPE	PRODUCT FAMILY	POWER	CCT	BODY COLOUR	CONTROL OPTIONS
ARC	7	DC	PTS	XXW	XXXXK	xx	xxxxx
ARC	SERIES	DC LIGHT	POLE TOP	UP TO 80W	2700K	GR (GREY)	12V60-80-120-160-200
					3000K	SP (SPECIAL)	24V120-160-180

Example: For the Pole top model ARC 7 DC with a power rating of 80W, CCT 2700K, Grey body colour and a height of 700 mm, diameter of 462mm , Pole diameter of 64mm the ordering code will be ARC7DC-PTS-80W-2700K-GR-12V80

TECHNICAL SPECIFICATION

LUMINAIRE DETAILS	
PRODUCT NAME	ARC 7 DC
PRODUCT TYPE	LED POLE TOP LIGHT
PRODUCT CODE	ARC7DC-PTS-80W-XXXXK
MAXIMUM HOUSING POWER	UP TO 80W

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

CHIP DETAILS	
LIGHT SOURCE	SMD LEDs
AVAILABLE CCT	2700K – 3000K
MACADAM BINNING	STEP 4
CRI	≥80





TECHNICAL SPECIFICATION

OPTICAL DETAILS

BEAM ANGLE	97.9°
OPTICS	IES Type II (Very Short)
BUG RATING	B3-U0-G0
ULOR(Upward Light Output Ratio)	0% (U0 – Zero Uplight)

LUMINAIRE PERFORMANCE

LUMINAIRE FLUX	8,616 lm(@ 78.16W Tested)
EFFICACY	110.24 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

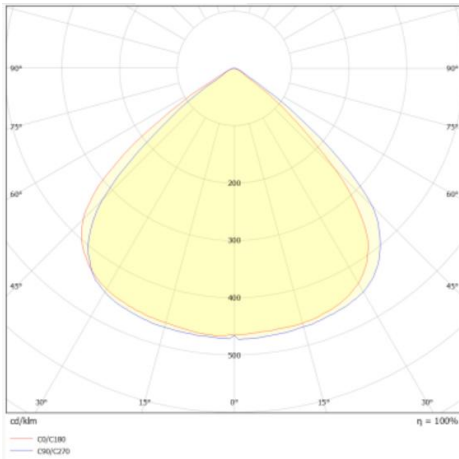
NOMINAL VOLTAGE	24 VDC
RATED POWER	80W
CONTROLLER TYPE	MPPT (Maximum Power Point Tracking) Solar Charge Controller



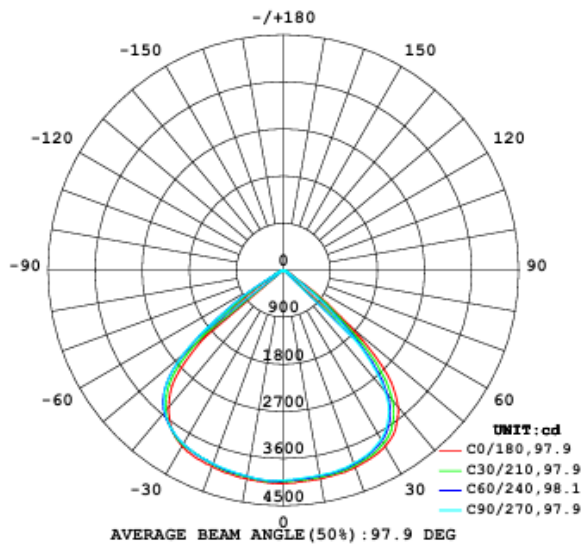
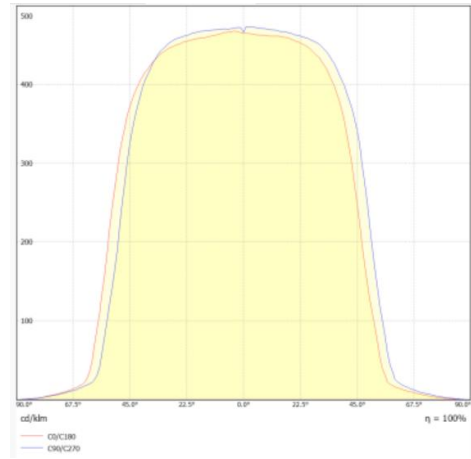


OPTICS & PHOTOMETRIC DETAILS

Polar Plot



Linear Plot

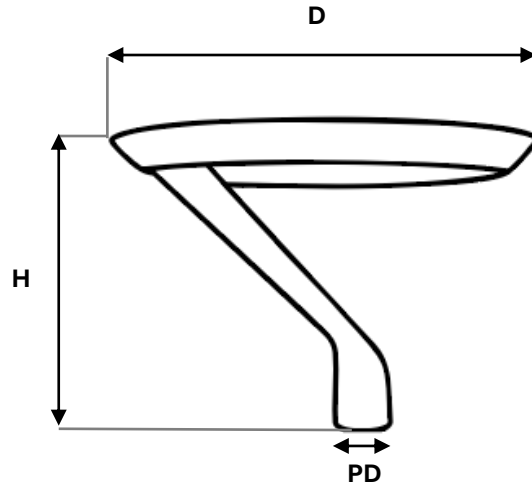


ARC 7 DC

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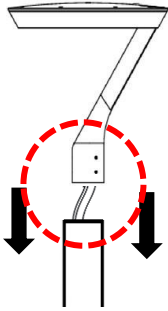
DIMENSIONAL DETAILS



DIMENSIONS	
HEIGHT	700 mm
DIA	462 mm
POLE DIA	60 mm
WEIGHT	9.17 Kg



GENERIC INSTALLATION STEPS

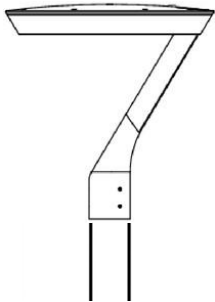
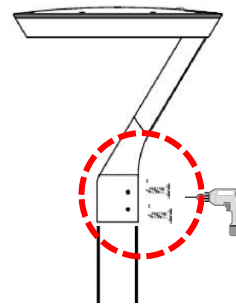


1. Pole Preparation

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

