

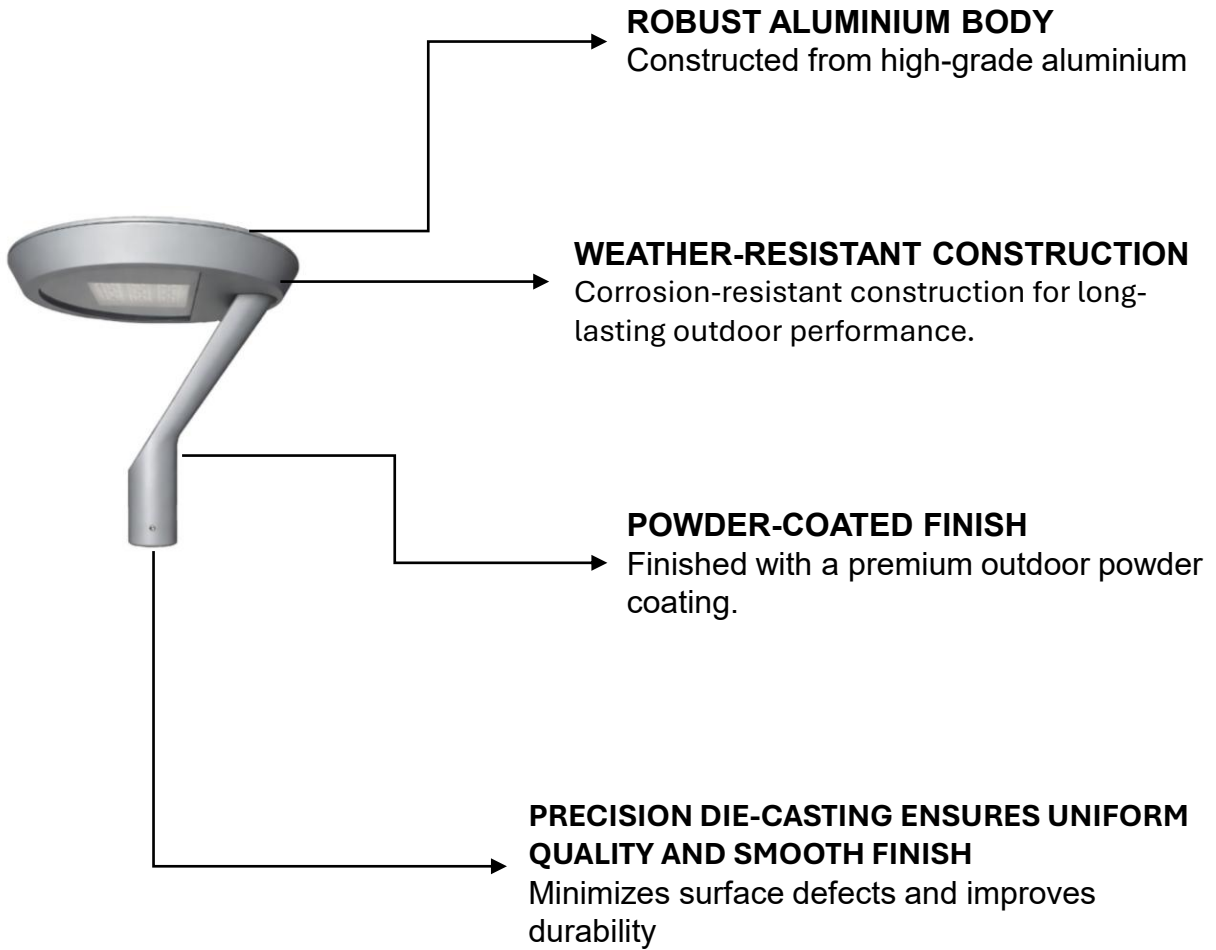
# ARC 7

ARC7-PTS-80W-XXXXK

*Dark Sky  
Logo*



## PRODUCT HIGHLIGHTS



## FEATURES



Thermal Management



Corrosion Resistance



Vibration Resistance



Easy Maintenance

# ARC 7

ARC7-PTS-80W-XXXXK



## DESCRIPTION

ARC 7 is an LED pole-top light designed to deliver powerful and uniform illumination, enhancing visibility in outdoor environments. It offers a wide range of wattages and color temperatures, making it suitable for applications such as parks and gardens, pedestrian pathways, parking areas, residential communities, and recreational spaces, where consistent and efficient lighting is essential



## Conformity



## Compliant with



## Tested for Safety



## Insulation Class



## Protection Class



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## ORDERING CODE

ARC7-PTS-80W-XXXXK-xx-xxx-XxxXx

PRODUCT NAME	CATEGORY	PRODUCT FAMILY	POWER	CCT	BODY COLOUR	CONTROL OPTIONS	ACCESS
ARC	7	PTS	XXX	XXXXK	xx	xxx	XxxXx
ARC	SERIES	POLE - TOP	UP TO 80W	2700K	GR - GREY	DAL - (DALI)	S(ne/zh)C(i/p) Smart Socket(S) (ne - nema /zh - zhaga) Controller(C) (i - IoT /p - photocell)
				3000K	SP - SPECIAL	10V - 1-10V	

Example: For the Pole top model ARC 7 with a power rating of 80W, CCT 2700K, Grey body colour, DAL dimmable controller, and a height of 700 mm, diameter of 462mm , Pole diameter of 64mm the ordering code will be ARC7-PTS-80W-2700K-GR-DAL-SneCp

## TECHNICAL SPECIFICATION

LUMINAIRE DETAILS	
PRODUCT NAME	ARC 7
PRODUCT TYPE	LED POLE TOP LIGHT
PRODUCT CODE	ARC7-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 3
CRI	≥80





## TECHNICAL SPECIFICATION

### OPTICAL DETAILS

BEAM ANGLE	98°
OPTICS	IES Type V (Very Short)
BUG RATING	B3-U0-G0
ULOR(Upward Light Output Ratio)	0% (U0 – Zero Uplight)

### LUMINAIRE PERFORMANCE

LUMINAIRE FLUX	7,930 lm (@ 77.39 W Tested)
EFFICACY	102.47 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

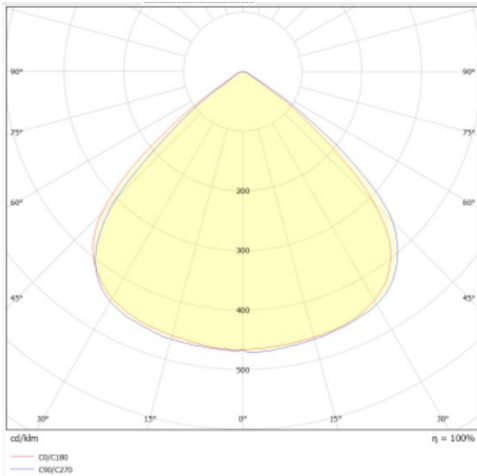
NOMINAL VOLTAGE	100–240 VAC
FREQUENCY	50/60 HZ
LED DRIVER CURRENT	700 mA
POWER FACTOR	≥0.90
RATED POWER	80W
THD	≤20%
CONTROL OPTIONS	DALI, 1–10V DIMMING



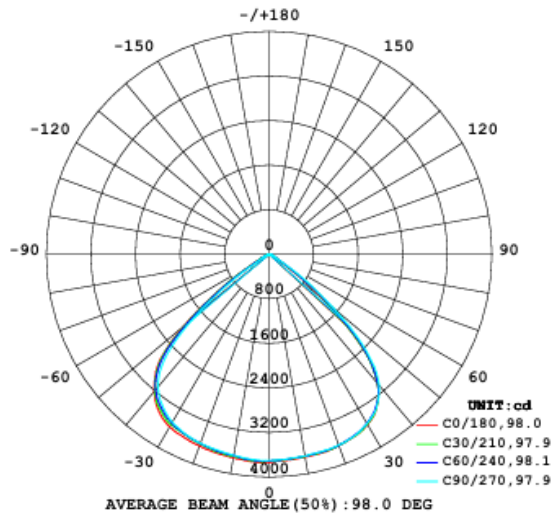
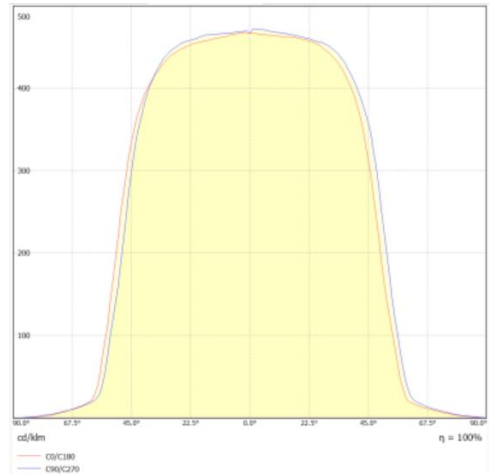


## OPTICS & PHOTOMETRIC DETAILS

Polar Plot



Linear Plot





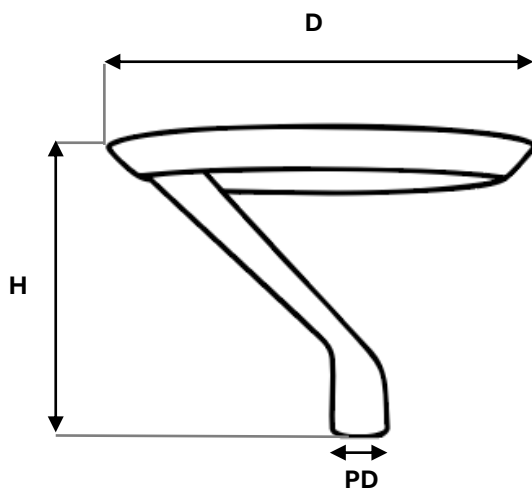
## CUSTOM DIMMING PROFILE

The Pole top luminaire supports 1–10 V dimming as well as DALI dimming, allowing smooth and reliable adjustment of light output according to the required ambiance or energy-saving needs. By integrating with compatible lighting control systems, the brightness can be adjusted from full output to lower levels while maintaining stable performance.

- 1–10 V dimming: Simple analog dimming.
- DALI dimming: Digital, programmable dimming for advanced control.

This feature is ideal for pathways, landscapes, and architectural outdoor applications where lighting levels may need to be adjusted at different times of the night, improving visual comfort while reducing energy consumption

## DIMENSIONAL DETAILS

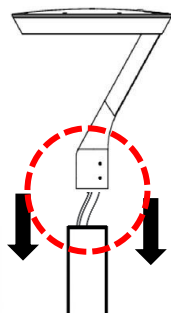


DIMENSIONS	
HEIGHT	700 mm
DIA	462 mm
POLE DIA	64 mm
WEIGHT	9.17 Kg





## GENERIC INSTALLATION STEPS

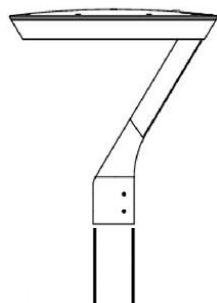
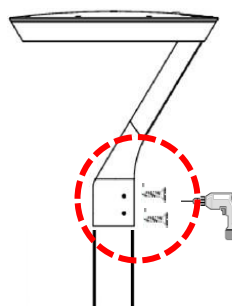


### 1. Pole Preparation

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





## PRODUCT ACCESSORIES

### Smart Sockets & Controllers

#### Smart Interfaces



NEMA 5-Pin



NEMA 7-Pin



Zhaga Book 18

#### Smart Controllers



NEMA Node



Zhaga Node