



Hansagreen
LED

ARC DOME

ARCD-PTS-80W-XXXXX

*Dark Sky
Logo*



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www.hansagreen.com

ARC DOME

ARCD-PTS-80W-XXXXK



PRODUCT HIGHLIGHTS



FEATURES



Thermal Management



Corrosion Resistance



Vibration Resistance



Easy Maintenance



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ARC DOME

ARCD-PTS-80W-XXXXK



DESCRIPTION

ARC DOME 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



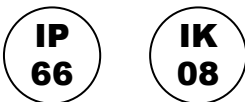
Tested for Safety



Insulation Class



Protection Class





ORDERING CODE

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

PRODUCT NAME	CATEGORY	PRODUCT FAMILY	POWER	CCT	BODY COLOUR	CONTROL OPTIONS	ACCESS
ARC	D	PTS	XXX	XXXXK	xx	xxx	XxxXx
ARC	DOME	POLE - TOP	UP TO 80W	2700K	BL - BLACK	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 DOME with a power rating of 80W, CCT 2700K, Black body color, DAL dimmable controller, and a height of 580 mm, diameter of 385 mm , Pole diameter of 76mm the ordering code will be ARCD-PTS-80W-2700K-BL-DAL-SneCp

TECHNICAL SPECIFICATION

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

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

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





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	8038 lm (@ 78.48 W Tested)
EFFICACY	102.42 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

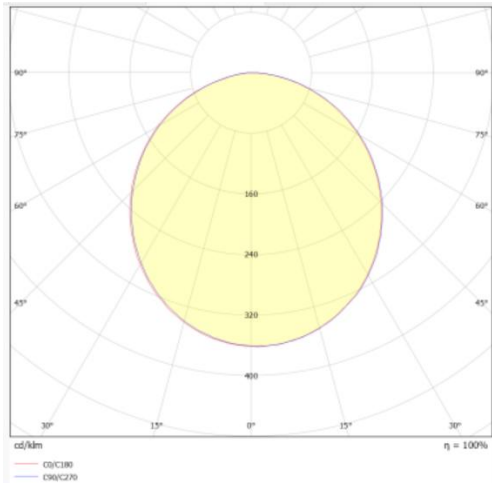
NOMINAL VOLTAGE	100–240 VAC
FREQUENCY	50/60 HZ
LED DRIVER CURRENT	700 mA
POWER FACTOR	≥0.90
RATED POWER	80W
THD	≤20%
CONTROL OPTIONS	DALI, 1–10V DIMMING



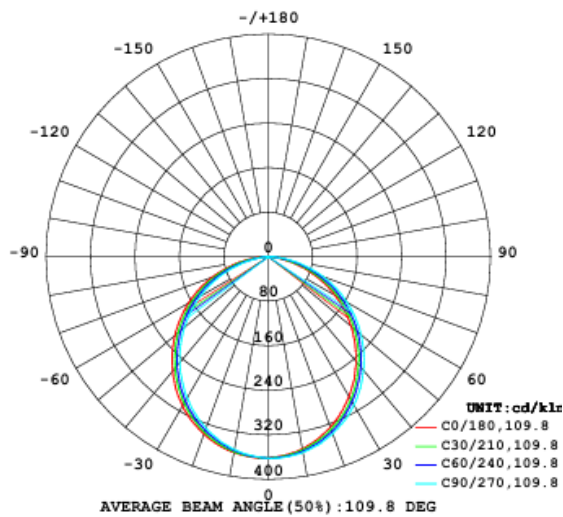
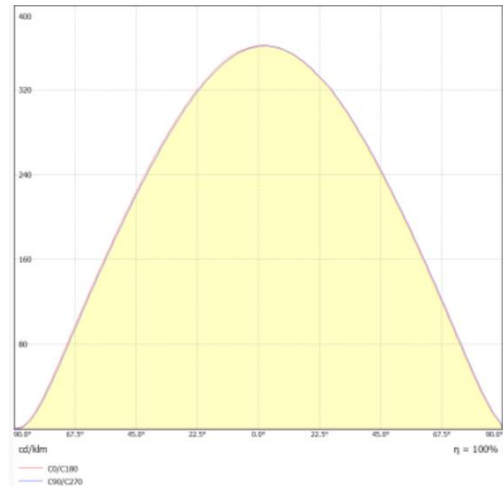


OPTICS & PHOTOMETRIC DETAILS

Polar Plot



Linear Plot





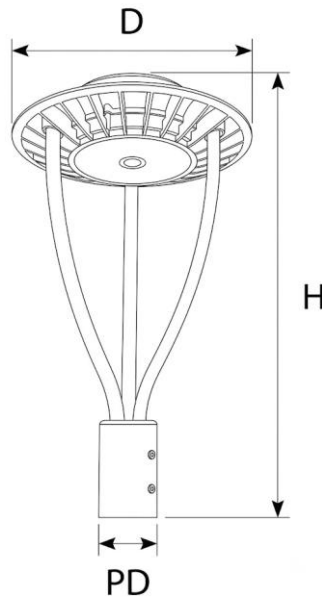
CUSTOM DIMMING PROFILE

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

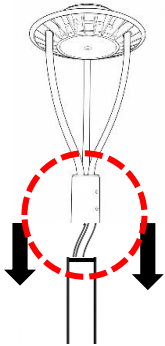


DIMENSIONS	
HEIGHT	580 mm
DIA	385 mm
POLE DIA	76 mm
WEIGHT	3.82 Kg





GENERIC INSTALLATION STEPS

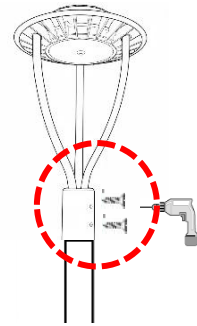


1. Pole Preparation

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





PRODUCT ACCESSORIES

Smart Sockets & Controllers

Smart Interfaces



NEMA 5-Pin



NEMA 7-Pin



Zhaga Book 18

Smart Controllers



NEMA Node



Zhaga Node