



**Hansagreen**  
LED

# ARC NEXA

ARCN-PTS-80W-XXXXK

*Dark Sky  
Logo*



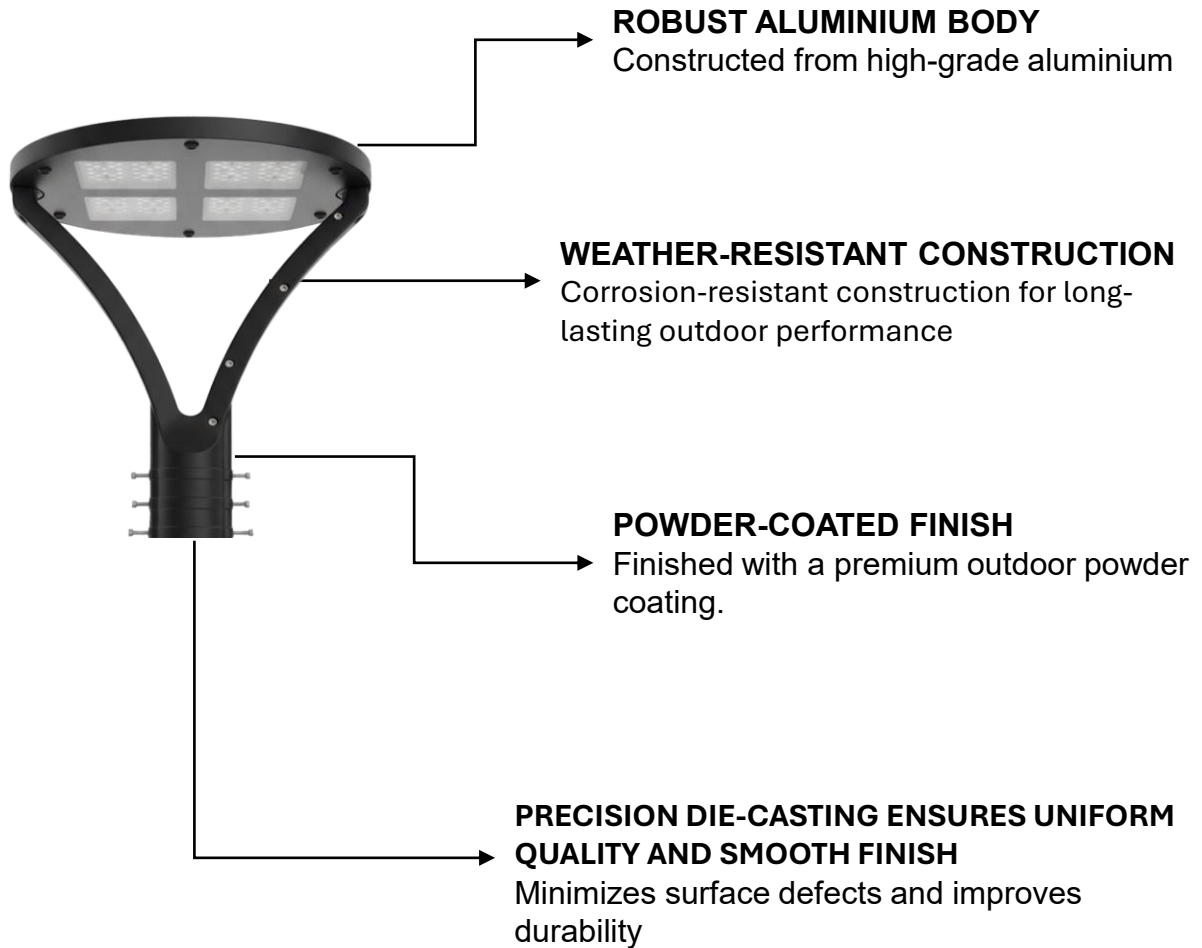
+971 65 260 706

sales-me@hansagreen.com

www.hansagreen.com



## PRODUCT HIGHLIGHTS



## FEATURES



Thermal Management



Corrosion Resistance



Vibration Resistance



Easy Maintenance



## DESCRIPTION

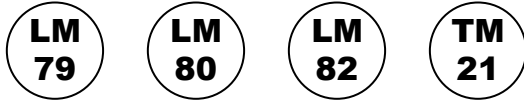
ARC NEXA is an LED pole-top light designed to deliver powerful and uniform illumination, enhancing visibility in outdoor environments. It offers a wide range of wattages and color temperatures, making it suitable for applications such as parks and gardens, pedestrian pathways, parking areas, residential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



### Conformity



### Compliant with



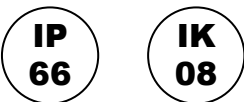
### Tested for Safety



### Insulation Class



### Protection Class





## ORDERING CODE

ARCN-PTS-80W-XXXXK-xx-xxx-xxx-XxxXx-XXX

PRODUCT NAME	CATEGORY	PRODUCT FAMILY	POWER	CCT	BODY COLOUR	CONTROL OPTIONS	ACCESSORIES	CONFIGURATION
ARC	N	PTS	XXX	XXXXK	xx	xxx	XxxXx	XXX
ARC	NEXA	POLE TOP	UP TO 80W	2700K	BL (BLACK)	10V (1-10V)	S(ne/zh)C(i/p) Smart Socket(S) (ne - nema /zh - zhaga) Controller(C) (i - IoT /p - photocell)	(TA) - Twin Arm (SA) - Single Arm (ASE) - Adjustable side entry mount
				3000K	SP (SPECIAL)	DAL (DALI)		

Example: For the Pole top model ARC NEXA with a power rating of 80W, CCT 2700K, Grey body colour, DAL dimmable controller, and a height of 613 mm, diameter of 402mm , Pole diameter of 76mm the ordering code will be ARCN-PTS-80W-2700K-GR-DAL-SneCp-TA

## TECHNICAL SPECIFICATION

LUMINAIRE DETAILS	
PRODUCT NAME	ARC NEXA
PRODUCT TYPE	LED POLE TOP LIGHT
PRODUCT CODE	ARCN-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	BLACK/SPECIAL
CHIP DETAILS	
LIGHT SOURCE	SMD LEDs
AVAILABLE CCT	2700K - 3000K
MACADAM BINNING	STEP 2
CRI	≥80





## TECHNICAL SPECIFICATION

### OPTICAL DETAILS

BEAM ANGLE	94.7°
OPTICS	IES Type V (Very Short)
BUG RATING	B3-U0-G0
ULOR(Upward Light Output Ratio)	0% (U0 – Zero Uplight)

### LUMINAIRE PERFORMANCE

LUMINAIRE FLUX	7,915 lm (@ 76.76 W Tested)
EFFICACY	103.11 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

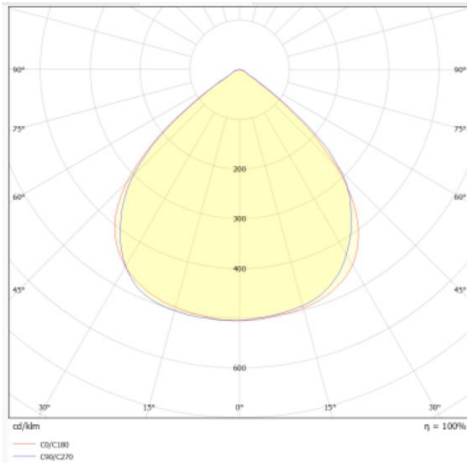
NOMINAL VOLTAGE	100–240 VAC
FREQUENCY	50/60 HZ
LED DRIVER CURRENT	700 mA
POWER FACTOR	≥0.90
RATED POWER	80W
THD	≤20%
CONTROL OPTIONS	DALI, 1–10V DIMMING



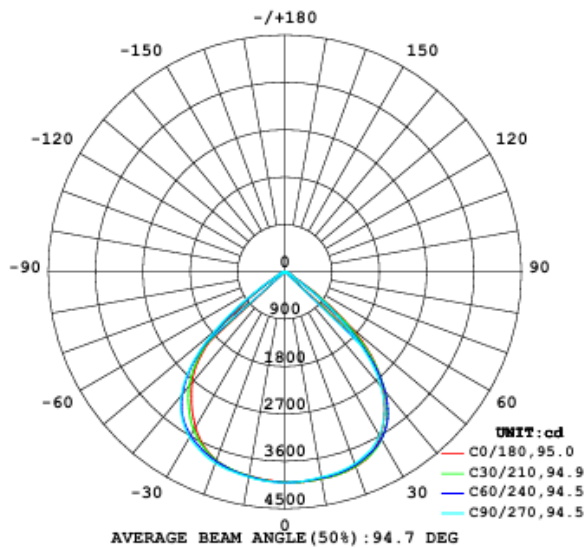
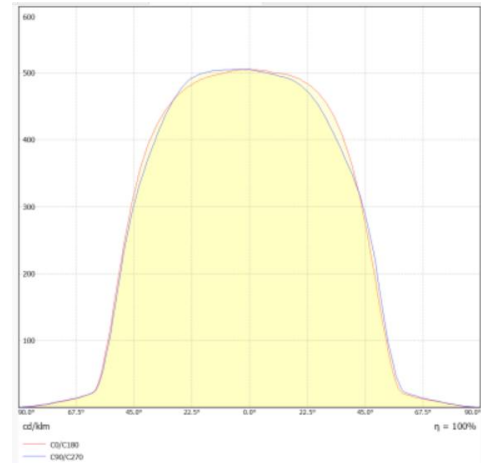


## OPTICS & PHOTOMETRIC DETAILS

Polar Plot



Linear Plot





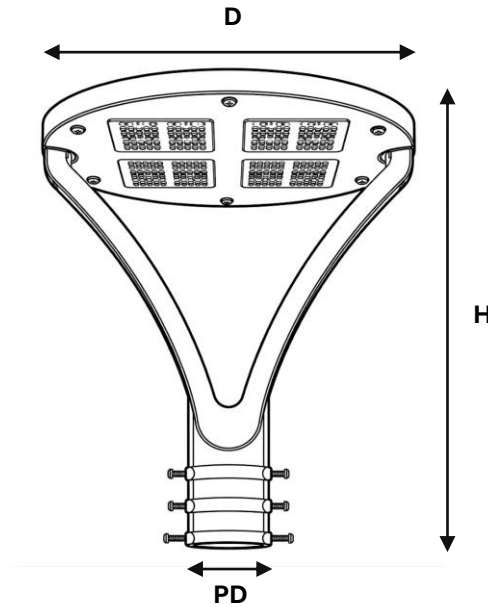
## CUSTOM DIMMING PROFILE

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

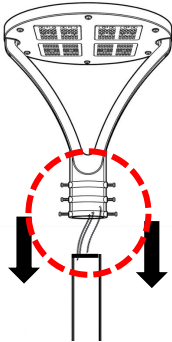
## DIMENSIONAL DETAILS



DIMENSIONS	
HEIGHT	613 mm
DIA	420 mm
POLE DIA	76 mm
WEIGHT	3.82 Kg



## GENERIC INSTALLATION STEPS

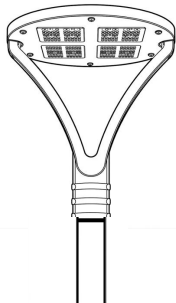
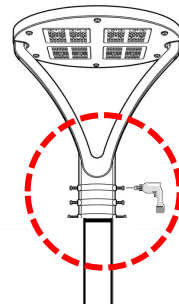


### 1. Pole Preparation

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





## MOUNTING TYPE

## MOUNTING ACCESSORIES



Twin Arm post-top mount

TA - Twin Arm



Single Arm post-top mount

SA - Single Arm



Adjustable Side entry mount

ASE - Adjustable Side Entry

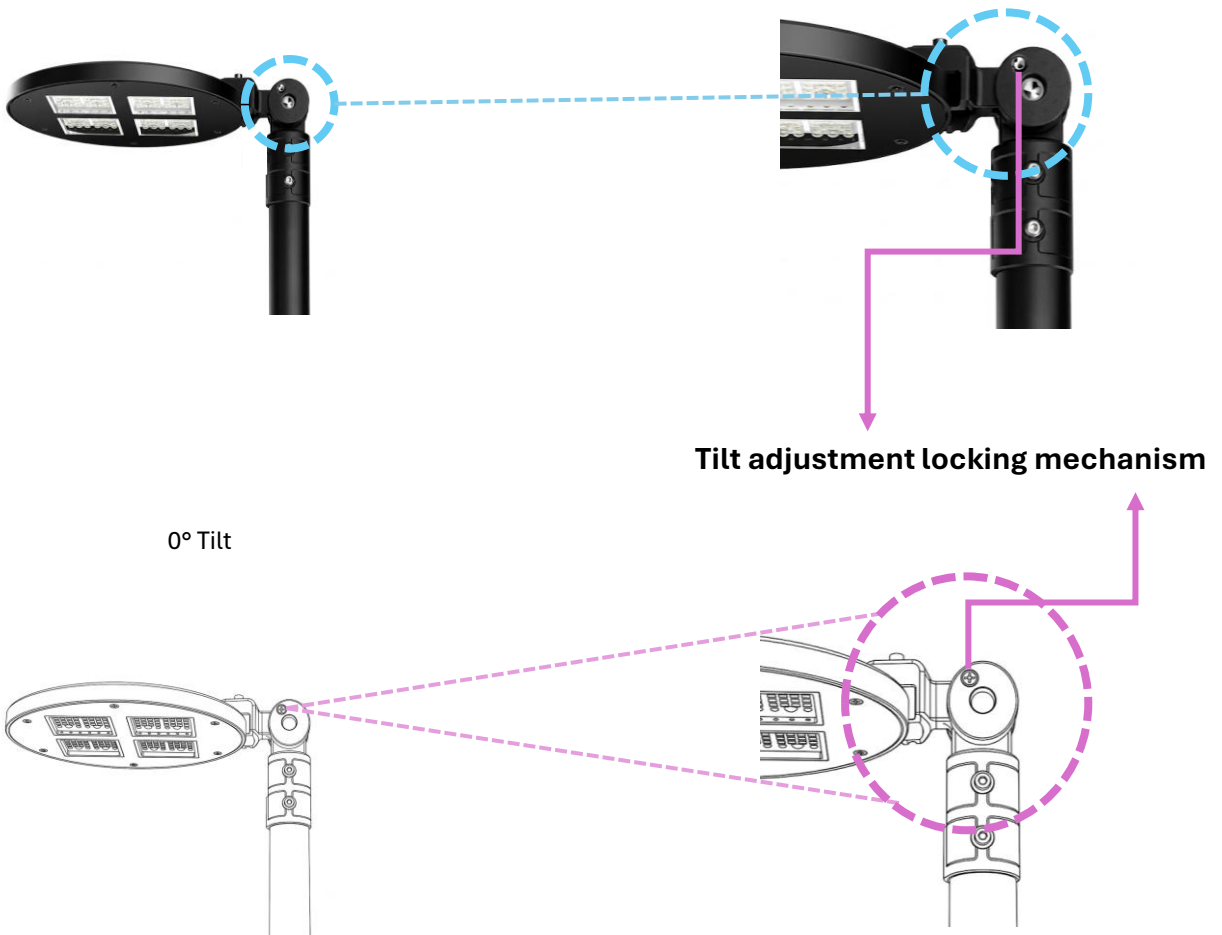


## TILT LIMITER

Note: DarkSky Approved when mounted in the downward position only

The tilt limiter ensures that the luminaire cannot be adjusted above 0° (horizontal).

Note- For **Adjustable Side Entry Mount** (Accessory)



- Restricts adjustment above **0° (horizontal position)**
- Integrated **mechanical tilt-stop mechanism** for reliable angle control.
- Secure **locking mechanism** prevents unintended movement.
- Supports DarkSky-friendly lighting applications.



## PRODUCT ACCESSORIES

### Smart Sockets & Controllers

#### Smart Interfaces



NEMA 5-Pin



NEMA 7-Pin



Zhaga Book 18

#### Smart Controllers



NEMA Node



Zhaga Node