

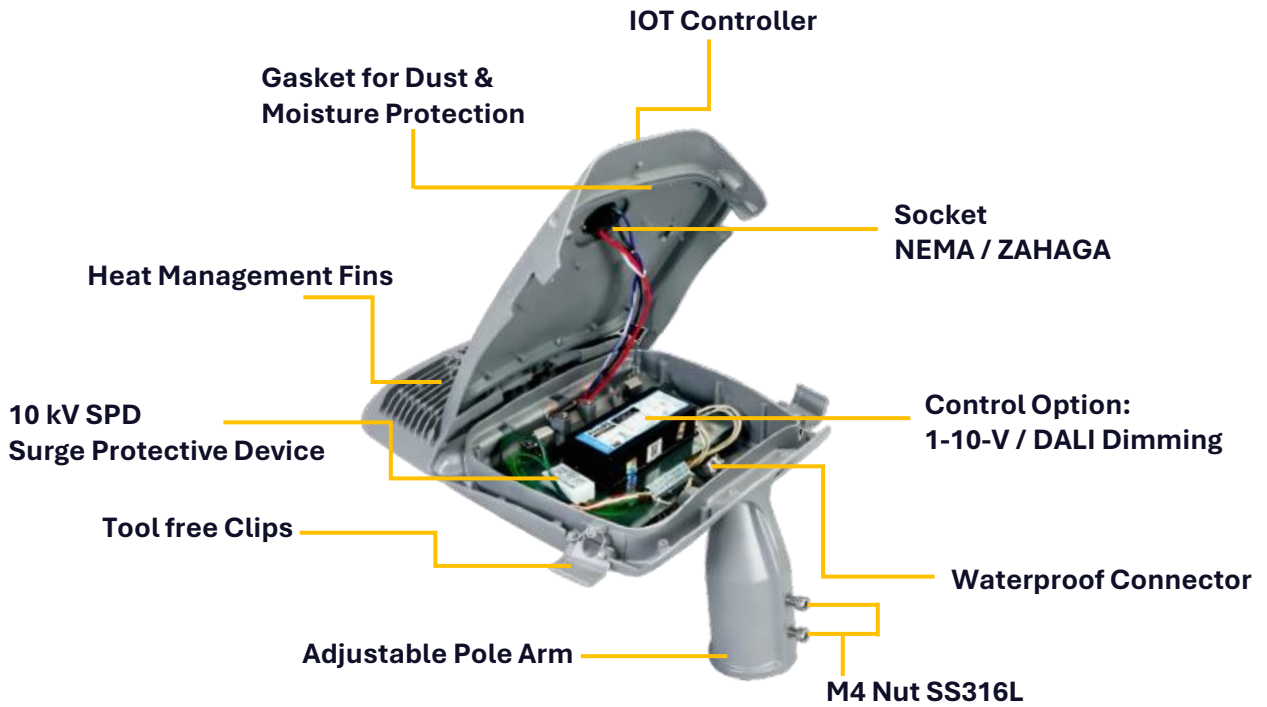
PELICAN D

Pelican D-150-KXX

*Dark Sky
Logo*



PRODUCT HIGHLIGHTS



FEATURES



Thermal
Management



Corrosion
Resistance



Vibration
Resistance



Easy
Maintenance



DESCRIPTION

Pelican D is a high-performance, energy-efficient street lighting solution designed to deliver uniform illumination for urban and industrial environments. With advanced optics and multiple configuration options, it ensures optimal lighting for applications such as roads, highways, parking areas, residential communities, and commercial spaces, while offering reliable performance and low maintenance.



Conformity



Compliant with



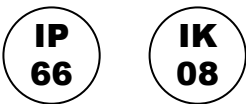
Tested for Safety



Insulation Class



Protection Class





ORDERING CODE

Pelican D-150-KXX-xx-xxx-XxxXX

PRODUCT NAME	CATEGORY	POWER	CCT	BODY COLOUR	CONTROL OPTIONS	ACCESSORIES
PELICAN	D	XXXW	KXX	xx	xxx	XxxXX
PELICAN	SERIES	UP TO 150W	K30 (3000K)	GR - GREY	DAL – (DALI)	S(ne/zh)C(i/p) Smart Socket(S) (ne – nema /zh - zhaga) Controller(C) (i – IoT /p - photocell)
		UP TO 120W	K27 (2700K)	WH - WHITE	10V - 1-10V	
		UP TO 100W		SP - SPECIAL		
		UP TO 80W				
		UP TO 60W				
		UP TO 40W				

Example: For the street light model PELICAN D with a power rating of 150W, CCT 3000K, Grey body colour, 1-10V dimmable controller, with Nema Socket and Photocell will be Pelican D-150-K30-GR-10V-SneCp

TECHNICAL SPECIFICATION

LUMINAIRE DETAILS

PRODUCT NAME	PELICAN D
PRODUCT TYPE	LED STREET LIGHT
PRODUCT CODE	Pelican D-150-KXX
MAXIMUM HOUSING POWER	UP TO 150W

HOUSING DETAILS

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

CHIP DETAILS

LIGHT SOURCE	SMD LEDS
AVAILABLE CCT	2700K - 3000K
MACADAM BINNING	STEP 3
CRI	>70





TECHNICAL SPECIFICATION

OPTICAL DETAILS

BEAM ANGLE	116.3°
OPTICS	IES Type I (Very Short)
BUG RATING	B4-U0-G3
ULOR(Upward Light Output Ratio)	0% (U0 – Zero Uplight)

LUMINAIRE PERFORMANCE

LUMINAIRE FLUX	21810 lm (@148.5W tested)
EFFICACY	146.86 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

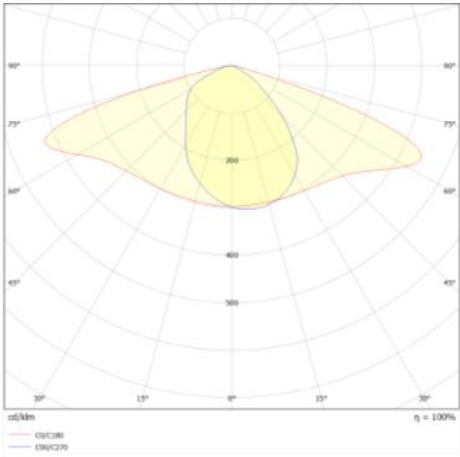
NOMINAL VOLTAGE	100–240 VAC
FREQUENCY	50/60 HZ
LED DRIVER CURRENT	650 mA
POWER FACTOR	≥0.90
THD	≤20%
RATED POWER	150W
CONTROL OPTIONS	DALI, 1–10V DIMMING



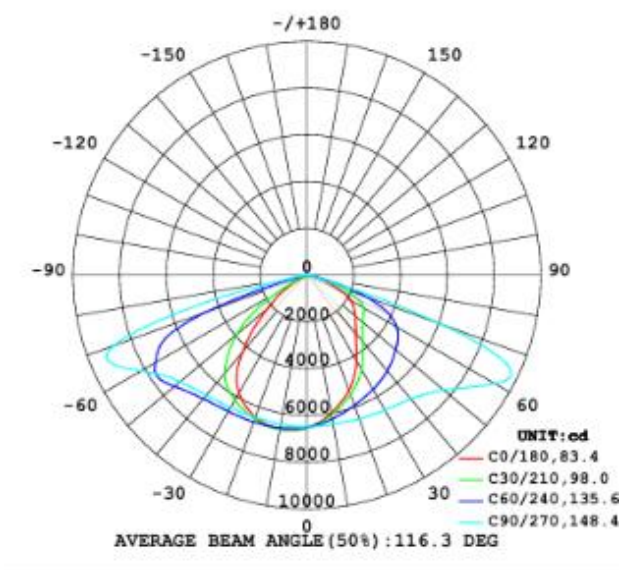
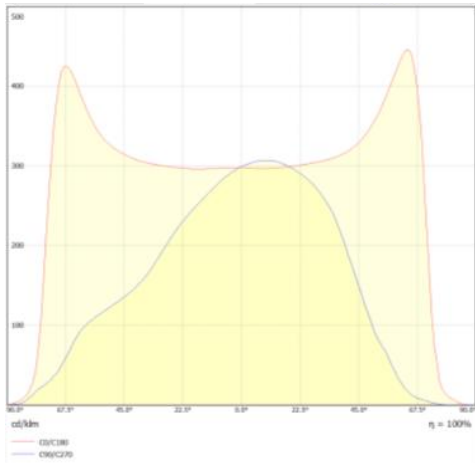


PHOTOMETRIC DETAILS

Polar Plot



Linear Plot



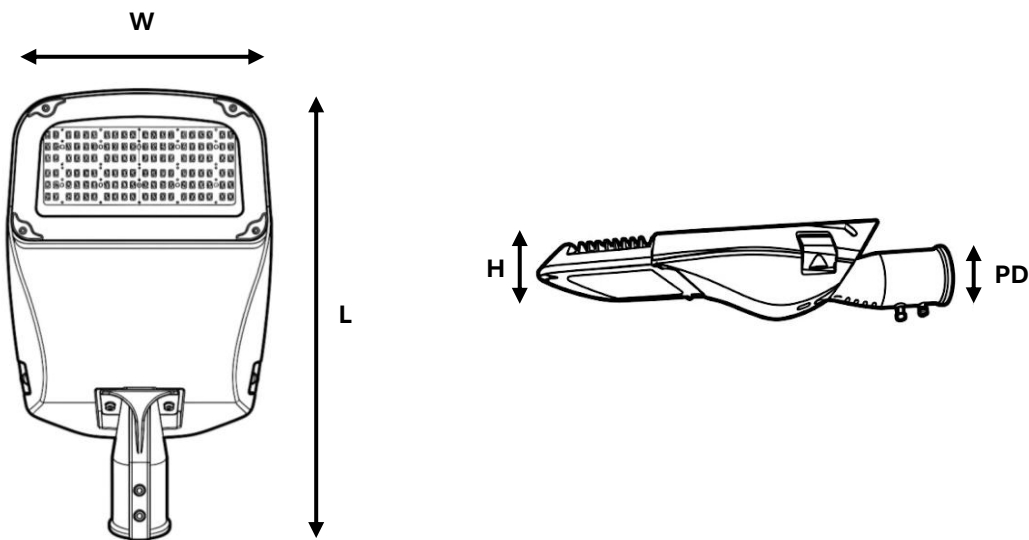
CUSTOM DIMMING PROFILE

The Street Light 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

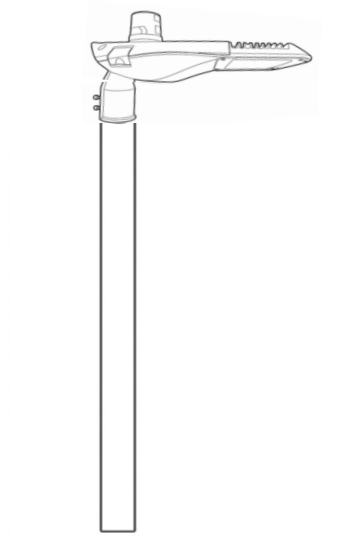
DIMENSIONAL DETAILS



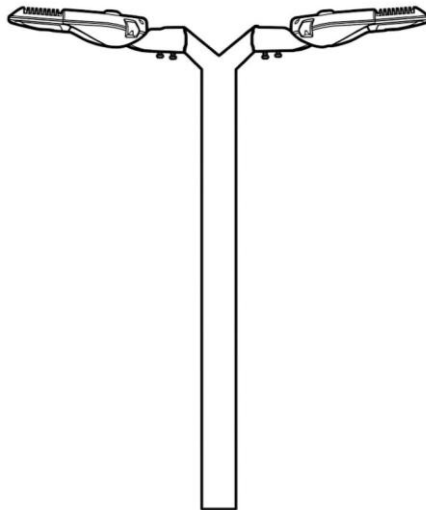
DIMENSIONS	
LENGTH	585 mm
WIDTH	350 mm
HEIGHT	112 mm
POLE DIA	63 mm



MOUNTING TYPE

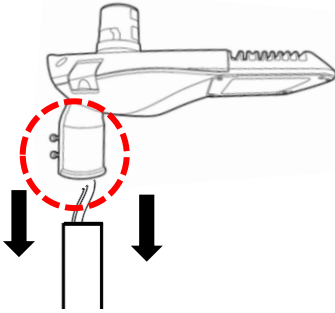


Post-Top mounting



Spigot mounting

GENERIC INSTALLATION STEPS

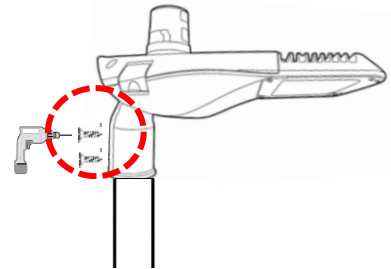


1. Pole Preparation

Remove the M8×25 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 M8×25 Allen key fasteners and tighten them securely to ensure proper fixture attachment.



3. Luminaire Tilt

Adjust the luminaire to the required angle and secure it to the pole arm. Tighten the M8×25 Allen key fasteners firmly to lock the position.

Note: The tilt is mechanically limited to a maximum of 5° above horizontal to prevent upward light emission.



Don't touch the LED



Do not dispose with
normal waste



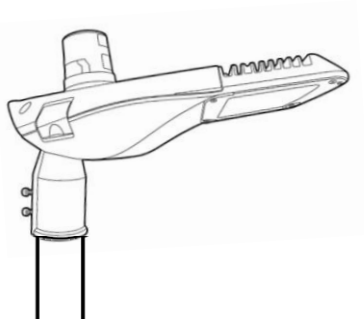
Ambient Temperature
Ta 50°

IP66

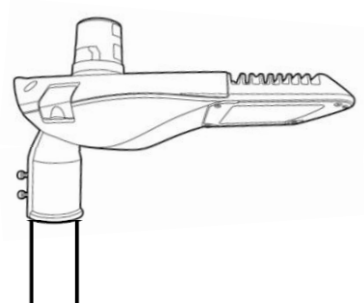


TILT ANGLE INSTRUCTION

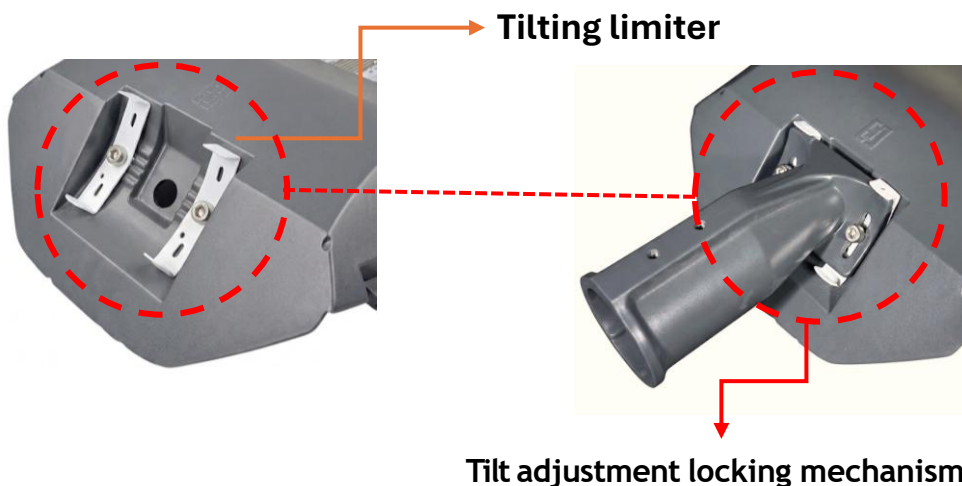
Note: DarkSky Approved when mounted in the downward position only, Restricts adjustment above 5° (horizontal position): Luminaire should be mounted horizontal to be DarkSky Approved.



Before limiter



After limiter



- Restricts adjustment above 5° (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

ES - External Glare Shield

