



enLighten

Area/Street Luminaire

75%

ENERGY SAVINGS

Traditional HID lighting replacement

Zorro 2

Reliable, efficient, built to last



The Zorro 2 builds on the proven reliability of the original Zorro, delivering powerful, energy-efficient illumination for streets, pathways, car parks and other outdoor areas.

With three models spanning 16W to 200W and output selectable on site, it offers the flexibility to meet the needs of projects of almost any size. Delivering over 150 lumens per watt, the Zorro 2 produces more light while using less energy.

Its robust construction is designed to withstand harsh weather, physical impact and corrosive coastal environments, while a long operating life and simple installation help reduce ongoing maintenance.

OPTIONS AND BENEFITS

- **IP66** - Ingress protection
- **IK10** - Impact rating
- **C4 corrosion resistance** - Suitable for **Coastal Walkways**
- **Easy to install & maintain** - Toolless clipping system
- **Expected life >110,000hrs @ L70** from high quality high powered LEDs
- **High efficacy of >150 lm/w** using Lumileds LEDs
- **In-built surge protection** - 10kV
- **Control Options** - PE Cell, DALI 2, Casambi wireless controls (ZHAGA Book 18)
- **Mounting accessories** - pole reducer, cross arm, adaptor & wall mount bracket
- **Available in** black & grey
- **5 year warranty**

APPLICATIONS



BIKE PATHS



CAMPUSES
UNIVERSITIES



COASTAL
WALKWAYS



COUNCIL
PARKS



INDUSTRIAL
ESTATE



OUTDOOR
CARPARKS

FEATURES



10kV SURGE
PROTECTION



HORIZONTAL
MOUNT



IMPACT
RATING



INGRESS
PROTECTION



SELECTABLE
BRIGHTNESS



LOW
MAINTENANCE



SAFETY
COMPLIANCE



VERTICAL
MOUNT



YEAR
WARRANTY

PRODUCT RANGE

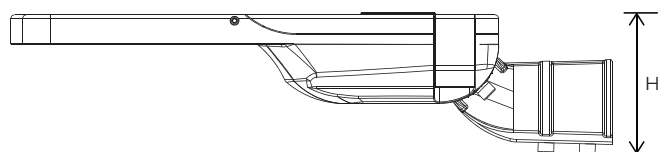
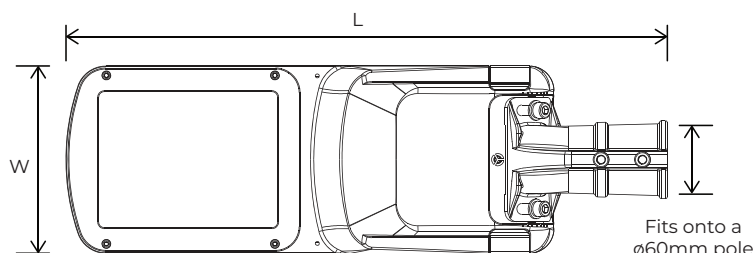
Model #	Rated Power (W)	Lumen Output (lm)	Dimensions L x W x H (mm)	Weight (kg)
ZAL40A-Tx-840-y	16	2,500	610 x 190 x 143	4.7
	24	3,800		
	32	5,100		
	40	6,400		
ZAL120A-Tx-840-y	48	7,400	660 x 240 x 143	5.8
	72	11,100		
	96	14,800		
	120	18,600		
ZAL200A-Tx-840-y	80	12,000	762 x 290 x 143	8.1
	120	18,000		
	160	24,000		
	200	29,900		

x stands for lens type and can be 2, 3 or 4 for Type 2, Type 3 or Type 4 light distribution.

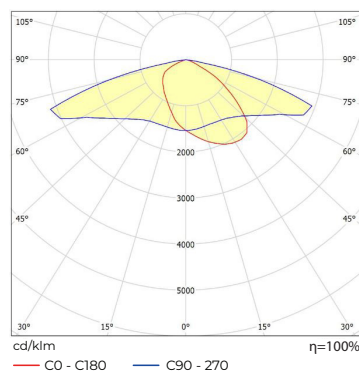
y stands for housing colour and can be B for Black and G for Grey

DALI-2 or Casambi models are not power adjustable via switches

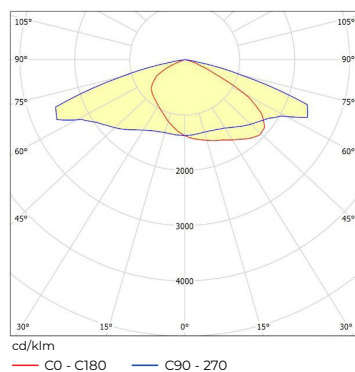
DIMENSIONS



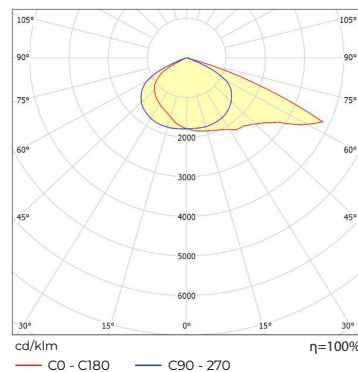
PHOTOMETRICS



Type 2



Type 3



Type 4

TECHNICAL INFORMATION

Optical	
Light source	Lumileds LEDs
Lumen output	2,500 - 29,900 lumens
CRI	Ra>80
CCT	4000K standard 2200K - 3000K available on request
Luminaire efficacy	> 150 lm/W
Electrical	
Power consumption	16W - 200W
Operating frequency	50/60Hz
Operating voltage range	100 - 240V AC
Surge protection	10KV standard, 20KV available on request
Power factor	>0.9/240V AC at full load
Driver type	Inventronics
Driver efficiency	> 90%
Environmental	
IP rating	IP66
Impact rating	IK10
Corrosion resistance	C4
Weight	4.7 - 8.1kg
Ambient temperature range	-20°C to +50°C
Material Composition (body)	Powder coated die-cast aluminium
Glass cover	Tempered glass
Expected Lifespan	120,000 hours @ L70 80,000 hours @ L80 39,000 hours @ L90
Controls - Optional	Photoelectric (PE) cell Casambi wireless control (ZHAGA Book 18), DALI-2
Accessories	Wall mounted bracket Pole mount adaptors
Warranty*	5 years

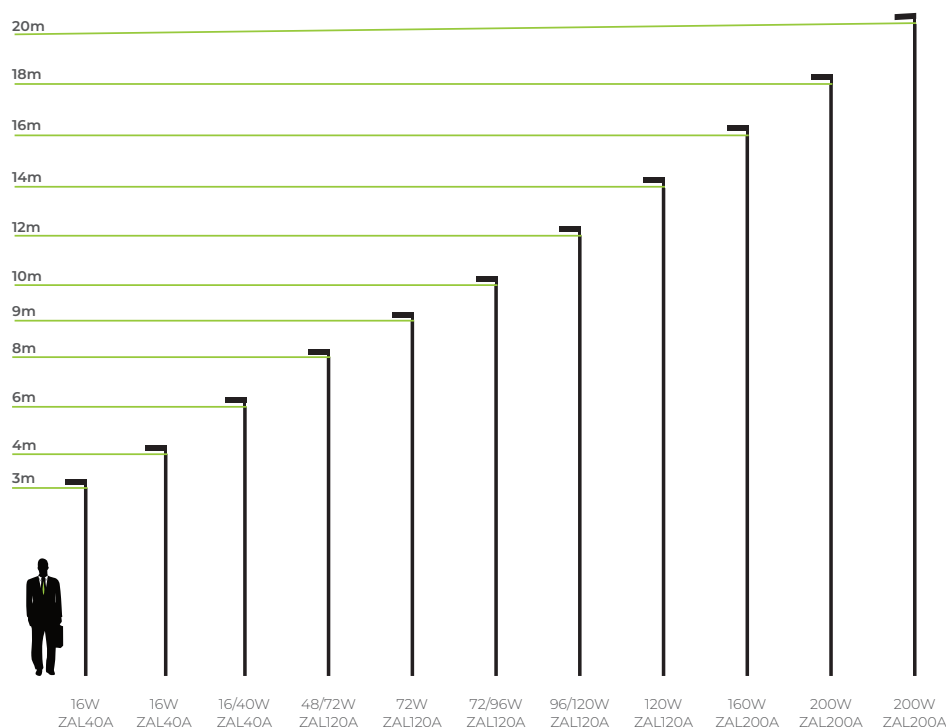
Data subject to change without notice

* Refer to warranty policy

OPTIC SELECTION GUIDE

Lens	Distribution	Application	Area Covered In front of Pole	Area Covered Sideways
Type 2	Wide Street Side Throw & Narrow Forward Throw (Most commonly used for 15W models)	Narrow Pathways/Lanes/Roads	1.6x Pole Height	5.1x Pole Height
Type 3	Medium Street Side & Forward Throw (Most commonly used for models 40W and above)	Wider Pathways/Lanes/Roads; Carparks, Area Lighting	1.9x Pole Height	4.7x Pole Height
Type 4	Narrow Street Side Throw & Large Forward Throw	Large Area in front of pole	2.6x Pole Height	3.4x Pole Height

INDICATIVE POLE HEIGHT GUIDE



Indicative guide only.

Use higher wattages if:

- You need higher lux levels or
- The compliance requirement is higher than the lowest lighting standard

Request a lighting design for full compliance to the Australian Standards

SMART CONTROLS

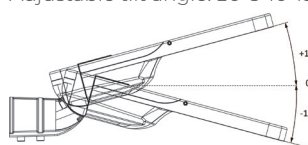
The Zorro 2 optional smart control solutions:

- **Photoelectric (PE) sensors** integrated into the Zorro 2 light fitting enables automatic switching.
- Get increased functionality and total lighting control with **Casambi wireless control**. The easy to commission wireless control technology is flexible, scalable and intelligent. Perfect for applications where additional lighting control features are required.

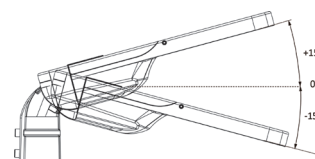
MOUNTING

The Zorro 2 comes with a spigot/mounting bracket, which can be adjusted for horizontal or vertical mounting at angles shown below. The bracket is suitable to be mounted on a 60mm diameter pole or arm.

Adjustable tilt angle: $\pm 0-5-10-15^\circ$

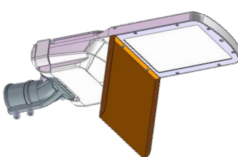


Horizontal installation



Vertical installation

POLE MOUNT ADAPTORS & ACCESSORIES

Name		Part Number	Description
Pole Reducer		ZWB-PoleRed	Reduces pole diameter from 78mm to 60mm. Powder coated Q235 steel 3mm/7.5mm thickness, available in black (RAL 9005) and grey (RAL9022).
Cross Arm		ZWB-CrosArm	Perfect for two lights on one pole. Arm: 500mm x 60mm diameter. Fits 76mm diameter round pole. Powder coated Q235 steel, available in black (RAL 9005) and grey (RAL9022).
Connecting Adaptor		ZWB-ConAdapV2	Increase 42mm pole size to 60mm. Anodized aluminium, 4mm thickness.
Wall Mounted Bracket		ZWB-15 Degree	Wall mounted bracket creating a 15° upward tilt. Powder coated in black (RAL9005) and grey (RAL 9022) 3mm/6mm thickness.
Back Spill Guard		ZAL-BSG-S ZAL-BSG-M ZAL-BSG-L	Minimises spill light behind the pole. Effective for reducing light pollution beyond the site where residential boundaries are situated closely behind the poles. available in black (RAL 9005) and grey (RAL9022). Max. pole height 10m, max 100km/h winds. S = ZAL40A, M = ZAL120A , L = ZAL200A

COMPLIANCE

The Zorro 2 series meets or exceeds all relevant standards and regulatory requirements.

For a full compliance and testing list visit www.enlighten.com.au. IES files, warranty, installation and product guides are also available for download.

Sold nationally through major electrical wholesalers.

