

ALUMINUM LIGHT POLE

ALUMINUM TAPERED LIGHT POLE

Model YLDG-Z

Seamless spun taper for street and area lighting

HEIGHT RANGE

3-12 m

Custom heights available

MATERIAL

6063-T6

6061-T6 optional

WIND RATING

40 m/s

55 m/s reinforced option

SERVICE LIFE

25+ years

Inland environments

ANCHOR-BASE OR DIRECT-BURIAL INSTALLATION

Anodized or powder-coated | OEM configurations available



Technical Specifications

Catalogue values can be adjusted to project drawings and local lighting authority requirements.

MODEL YLDG-Z
SHAFT MATERIAL 6063-T6 aluminum alloy (6061-T6 optional)
FORMING CNC spinning, seamless conical taper
CROSS-SECTION Round tapered (octagonal optional)
TAPER RATIO 1:100 to 1:80; typically 10-12 mm/m
WALL THICKNESS 3.0-6.3 mm
TOP DIAMETER 60-90 mm; 60 mm slip-fit standard
BOTTOM DIAMETER 128-255 mm, depending on height
BASE PLATE Cast/machined aluminum, 10-20 mm thick

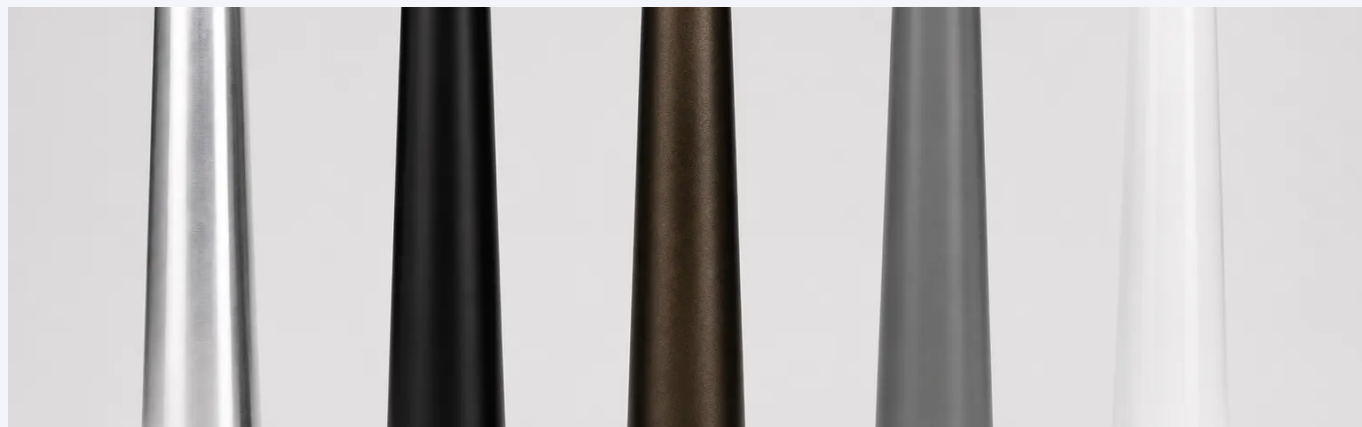
SURFACE TREATMENT Powder coating or anodizing
COATING THICKNESS 60-100 microns; 80 microns nominal
STANDARD COLORS RAL 7016, RAL 9005, RAL 9016, bronze
WIND RESISTANCE 40 m/s standard; 55 m/s reinforced
DESIGN STANDARDS EN 40-3-1/2/3; AASHTO LTS-6; GB/T 24594
CERTIFICATIONS ISO 9001, ISO 14001, CE, SGS reports
CABLE ENTRY 50 mm deburred, radiused slot at base
INSTALLATION Anchor-base flange or direct burial
SERVICE LIFE 25+ years inland; 20 years coastal

Standard Dimensions

All dimensions in mm | 12 m and custom configurations available on request

Model	Height	Top OD	Base OD	Wall	Door H	Door W x H	Base L x W x T
YLDG-Z1	3000	76	152	4.0	500	80 x 250	298 x 298 x 12
YLDG-Z2	4000	76	152	4.0	500	80 x 250	298 x 298 x 12
YLDG-Z3	5000	76	152	4.0	500	80 x 250	298 x 298 x 12
YLDG-Z4	6000	76	152	4.0	500	80 x 250	298 x 298 x 12
YLDG-Z5	7000	76	166	4.0	500	80 x 250	298 x 298 x 12
YLDG-Z6	8000	76	166	4.0	500	80 x 250	298 x 298 x 12
YLDG-Z7	9000	76	180	4.0	500	100 x 300	305 x 305 x 19
YLDG-Z8	10000	76	200	4.0	500	100 x 300	305 x 305 x 19

Finishes, Engineering & Supply



Clear anodized

RAL 9005

Bronze

RAL 7016

RAL 9016

Any RAL color available. Powder-coated poles receive chromate-free pre-treatment and full curing at 200 C.

SEAMLESS SPUN TAPER

Continuous 6063-T6 shaft with no longitudinal weld seam.

VERIFIED WIND DESIGN

40 m/s standard; reinforced option for up to 55 m/s.

MARINE-GRADE FINISH

80-micron nominal polyester coating; 2,000 h salt-spray performance.

LIGHTWEIGHT INSTALLATION

An 8 m aluminum pole weighs about 24 kg - approximately 65% less than steel.

PROJECT CUSTOMIZATION

Custom heights, taper ratios, bolt patterns, arms and access-door positions.

RECYCLABLE & RUST-FREE

100% recyclable aluminum with lower lifetime maintenance.



Factory Direct Supply

- 20+ years manufacturing for export markets
- 50,000 m2 factory | 120,000 poles/year
- MOQ: 10 pieces; mixed heights accepted
- Lead time: 15-25 days after approval
- FOB / CIF / DDP from Ningbo or Shanghai

Request a Project Quote

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