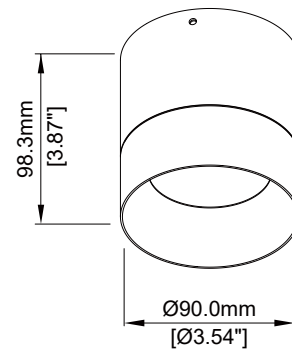


Specification sheet

REV.3

VAL 100 CY SSR10
Surface Cylinder, spot, length 100mm



Description

VAL100 is a MACRON solution for high-performance cylinder applications. The 100 mm version can drive upto 10 W and deliver unmatched 94 lm/W efficacy from a 3.5" (90 mm) aperture. Twist-lock installation mechanisms, best-in-class lighting quality, and sleek aesthetics and finishes are just some details that distinguishes MACRON philosophy from others. VAL family is designed to integrate and complement your architectural aspiration.

Features

| | |
|--------------------------|--|
| LED | Lumiled Luxeon COB1205 |
| Color temperature | 2700K/ 3000K/ 3500K/ 4000K |
| Optics | Spot 20° / Medium 25° / Wide 33° / Flood 56° |
| Driver | Remote driver |

Performance

| | |
|--------------------------|--|
| Delivered output | Up to 1780 lm(90+ CRI) |
| Power consumption | 18W max |
| Color rendering | 90+ CRI |
| CBCP | Spot 6604cd / Medium 4501 cd / Wide 3540 cd / Flood 1772 cd |
| Lumen maintenance | L80, B10 50,000 hrs |

Ordering Code Information

| PRODUCT | MOUNTING TYPE | SHAPE | LENGTH | COLOR TEMPERATURE | FINISH | BEAM ANGLE | COLOR RENDERING |
|---------------------------------------|---------------|-----------|-------------|--|---|--|-----------------|
| VAL100 CY | SS | R | 10 | 27 | WHBK | S | 9 |
| VAL 100 CY, Cylinder Surface Mount | Surface spot | R (Round) | 10 (100 mm) | 27 (2700K) 30 (3000K) 35 (3500K) 40 (4000K) | WHBK (White/Black) BKGD (Black/Gold) BKBK (Black/Black) | S (Spot / 20 deg.) M (Medium / 25 deg.) W (Wide /34 deg.) F (Flood / 55 deg.) | 9 (90 CRI+) |

Electrical and Control

| | |
|-----------------------|---------------|
| Input voltage | 36vdc |
| Control | Remote driver |
| Driver Current | 350 mA MAX |

Construction

| | |
|-----------------|---|
| Material | Casting & Extrusion grade Aluminum Alloy |
| Finishes | Black body with gold trim/ Black body with black trim/ White body with black trim |
| Optics | Field Interchangeable optics |

Rating/ Certification/ Warranty

- Dry and damp Locations
- RoHS compliant
- 5 years/ 50,000 hrs warranty

Specification sheet

REV.3

VAL 100 CY SSR10
Surface Cylinder, spot, length 100mm

Recommend LED Driver:

| Driver No. | Input Voltage | Dimming | Note |
|-------------|---------------|-----------|------|
| DE-1-250-10 | 120V | TRIAC/ELV | |
| DA-1-250-10 | 120-277V | 0-10 V | |

Photometrics

18W max | 90CRI | 3000K | White body with Black trim

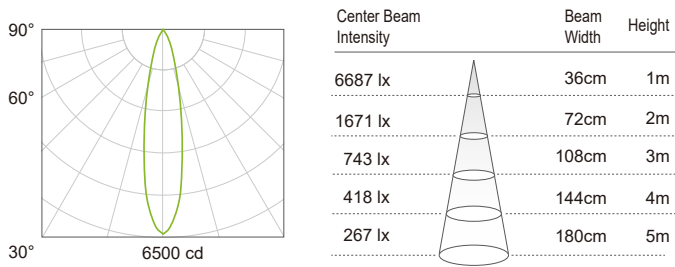
MULTIPLYING FACTORS: (Multiplying Factor is based on 3000K-90+CRI IES file on website)

| CCT | 2700K-80+ | 3000K-80+ | 3500K-80+ | 4000K-80+ |
|---------|-----------|-----------|-----------|-----------|
| Factors | 1.11 | 1.16 | 1.18 | 1.21 |

| CCT | 2700K-90+ | 3000K-90+ | 3500K-90+ | 4000K-90+ |
|---------|-----------|-----------|-----------|-----------|
| Factors | 0.96 | 1.0 | 1.04 | 1.08 |

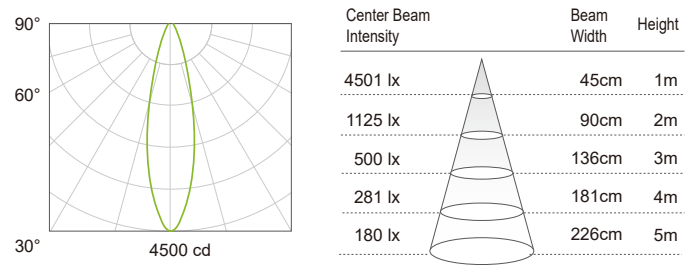
Spot 20°

Delivered Ourput : 1527 lm | CBCP : 6604 cd | Beam Angle : 20°



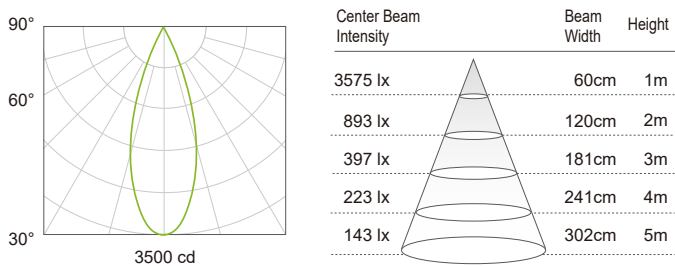
Medium 25°

Delivered Ourput : 1517 lm | CBCP : 4501 cd | Beam Angle : 25°



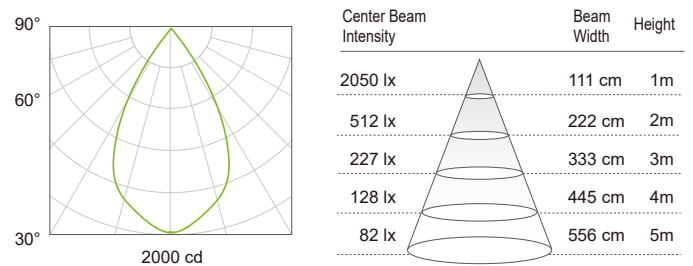
Wide34°

Delivered Ourput : 1564 lm | CBCP : 3540cd | Beam Angle : 34°



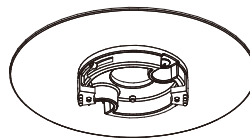
Flood 55°

Delivered Ourput : 1772 lm | CBCP : 2048 cd | Beam Angle : 55°



Optional Accessory

| Product | Canopy size | FINISH |
|--------------------------------------|---------------------------------------|----------------------|
| VAL 100 CY | 5-2 PL | WH |
| VAL 55 CY, Cylinder Surface Mount | 5-2 PL 5"-2" conversion canopy kit | WH White BK Black |



| Product | ACC. |
|------------|--------------------------|
| VAL 100 CY | HCL |
| VAL 55 | HCL Honey Comb Louver |

