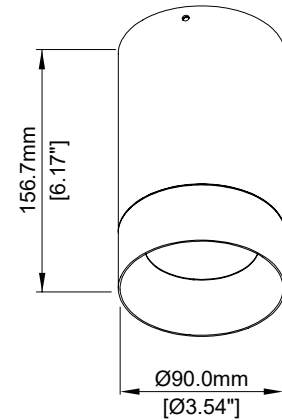


Specification sheet

REV.2

VAL 100CY R15
Surface Cylinder, spot, length 150mm



Description

VAL100 is a MACRON solution for high-performance cylinder applications. The 150 mm version can drive upto 21W and deliver unmatched 1800 lm from a 3.5" (90 mm) aperture. VAL100 also features integrated drivers with 3-in-1 dimming technology, that are best suitable for open-ceiling applications. 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	Integrated class 2 driver, power factor >0.90 Tri-dimmable, TRIAC/ ELV10-10V

Performance

Delivered output	Up to 1780 lm(90+ CRI)
Power consumption	21 W
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	SHAPE	LENGTH	COLOR TEMPERATURE	FINISH	BEAM ANGLE	COLOR RENDERING	INPUT/DIMMING
VAL 100 CY	R	15	27	WHBK	S	9	3AE
VAL 100 CY, Cylinder Surface Mount	R (Round)	15 (150 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 / 33 deg.) F (Flood / 56 deg.)	9 (90 CRI+)	3AE (120-277V) TRIAC (ELV 10-10V Dimming)

Electrical and Control

Input voltage	120V-277V
Control	TRIAC/ELV/0-10V Dimming
Feature	Overload & short circuit protection

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.2

VAL 100CY R15
Surface Cylinder, spot, length 150mm

Photometrics

21W | 90CRI | 3000K | White body with Black trim

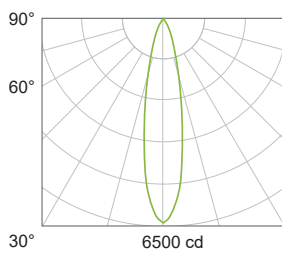
MULTIPLYING FACTORS: (Multiplying Factor is based on 3000K-90+ CRI IES file on website)

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°

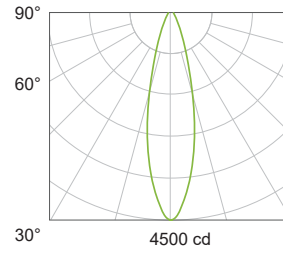
Delivered Output : 1527 lm | CBCP : 6604 cd | Beam Angle : 20°



Center Beam Intensity	Beam Width	Height
6687 lx	36cm	1m
1671 lx	72cm	2m
743 lx	108cm	3m
418 lx	144cm	4m
267 lx	180cm	5m

Medium 25°

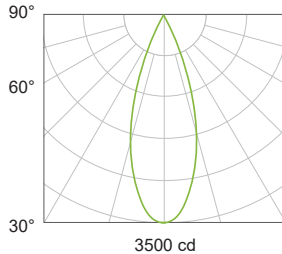
Delivered Output : 1517 lm | CBCP : 4501 cd | Beam Angle : 25°



Center Beam Intensity	Beam Width	Height
4501 lx	45cm	1m
1125 lx	90cm	2m
500 lx	136cm	3m
281 lx	181cm	4m
180 lx	226cm	5m

Wide33°

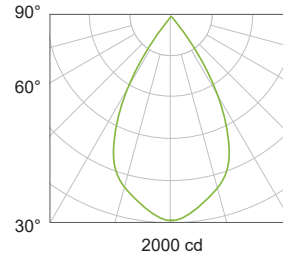
Delivered Output : 1564 lm | CBCP : 3540cd | Beam Angle : 33°



Center Beam Intensity	Beam Width	Height
3575 lx	60cm	1m
893 lx	120cm	2m
397 lx	181cm	3m
223 lx	241cm	4m
143 lx	302cm	5m

Flood 56°

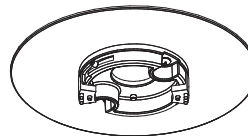
Delivered Output : 1772 lm | CBCP : 2048 cd | Beam Angle : 56°



Center Beam Intensity	Beam Width	Height
2050 lx	111 cm	1m
512 lx	222 cm	2m
227 lx	333 cm	3m
128 lx	445 cm	4m
82 lx	556 cm	5m

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	HCL
VAL 100	HCL Honey Comb Louver

