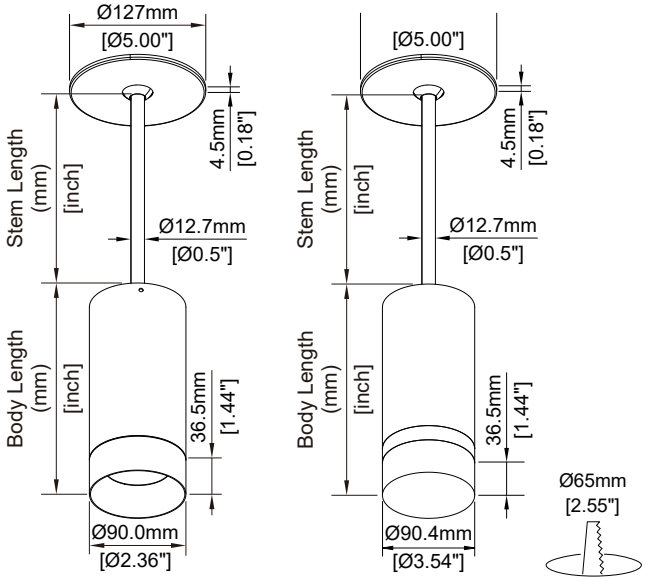
Specification sheet

REV.1

VAL 100 CS D 15

Cylinder Stem Mount



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.

Electrical and Control

Input voltage	120V-277V
Control	TRIAC/ELV/0-10V Dimming, 50/60Hz (TRIAC/ ELV Dimming ON 120V ONLY)
Feature	Overload & short circuit protection

Features

LED	Lumiled Luxeon COB1205
Color temperature	2700K/ 3000K/ 3500K/ 4000K / WD(1800-3000K)
Optics	Spot 20° / Medium 25° / Wide 34° / Flood 55º
Driver	Integrated class 2 driver, power factor >0.90 Output current 500mA

Construction

Material	Casting & Extrusion grade Aluminum Alloy
Finishes	WH / BK / BP / BC / SN
Optics	Field Interchangeable optics

Performance

Delivered output	Up to 1780 lm(90+ CRI)
Power consumption	21 W
Color rendering	90+ CRI
CBCP	Spot 6604 cd / Medium 4501 cd / Wide 3540 cd / Flood 2048 cd
Lumen maintenance	L80,B10 50,000 hrs

Rating/ Certification/ Warranty

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

Ordering Code Information

PRODUCT	MODE	LENGTH	STEM LENGTH	COLOR TEMPERATURE	FINISH OF BODY	BEAM ANGLE	COLOR RENDERING	INPUT / DIMMING	BEZEL STYLE
VAL 100 CS	D	15	12	27	WH	S	9	3AE	STWH
VAL 100 Cylinder, Stem Mount	D (Direct)	15 (150 mm)	12" 24" 48"	27 (2700K) 30 (3000K) 35 (3500K) 40 (4000K) WD (Warm Dim 1800-3000K)	WH (White) BK (Black) BP (Brushed Pewter) BC (Brushed Copper) SN (Satin Nickel)	S (Spot / 20 deg.) M (Medium / 25 deg.) W (Wide / 34 deg.) F (Flood / 55 deg.)	9 (90 CRI+)	3AE (120-277V, TRIAC/ELV/0-10V Dimming)	ST WH WHB BK BKG DA Clear Acrylic WW Wall Wash 6 6"Metal Shade

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Modernize Luminary with LED

Specification sheet

REV.1

VAL 100 CS D 15

Cylinder Stem Mount

Photometrics

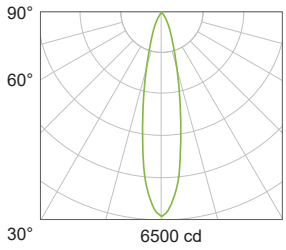
21W | 90CRI | 3000K | White body with Black trim

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

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

Spot 20º

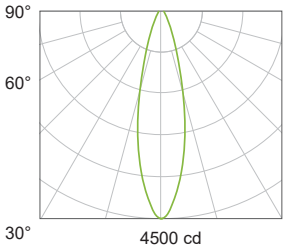
Delivered Ourput : 1527 lm | CBCP : 6604 cd | Beam Angle : 20º



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 25º

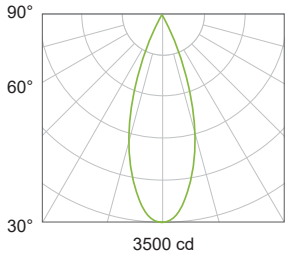
Delivered Ourput : 1517 lm | CBCP : 4501 cd | Beam Angle : 25º



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

Wide34º

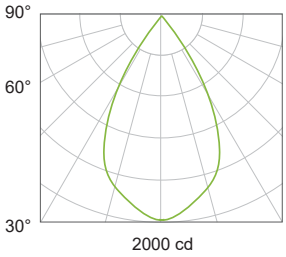
Delivered Ourput : 1564 lm | CBCP : 3540cd | Beam Angle : 34º



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 55º

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



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

ACC.

CL

CL Clear Lens

ACC.

HCL

HCL
Honey Comb Louver

Canopy size

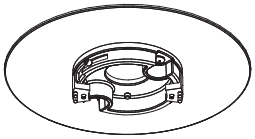
5-2 PL

5-2 PL
5"-2" conversion canopy kit

FINISH

WH

WH White
BK Black



BEZEL STYLE

DA

DA Clear Acrylic

BEZEL STYLE

WW

WW Wall Wash

BEZEL STYLE

6

6"Metal Shade

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