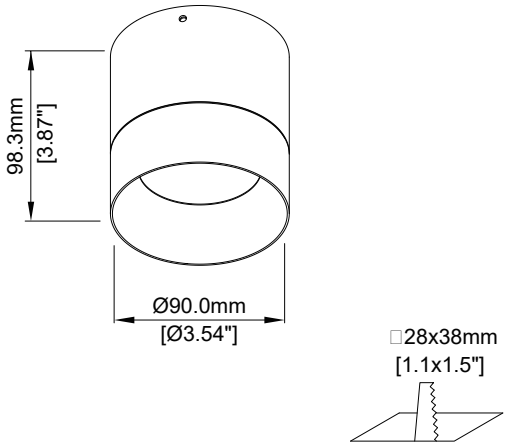
Specification sheet

REV.1

VAL 100 CY SS 10

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.

Electrical and Control

Input voltage	36 vdc
Control	Refer to driver spec

Features

LED	Lumiled Luxeon COB1205
Color temperature	2700K/ 3000K/ 3500K/ 4000K / WD(1800-3000K)
Optics	Spot 20° / Medium 25° / Wide 34° / Flood 55º
Driver	Remde class 2 driver, power factor >0.90 Output current 250mA Max Output voltage 36 vdc

Construction

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

Performance

Delivered output	Up to 940 lm
Power consumption	10 W
Color rendering	90+ CRI
CBCP	Spot 3428 cd / Medium 2397 cd / Wide 1864 cd / Flood 1141 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	MOUNTING TYPE	LENGTH	COLOR TEMPERATURE	FINISH	BEAM ANGLE	COLOR RENDERING	BEZEL STYLE
VAL 100 CY	SS	10	27	WH	S	9	STWH
VAL100 CY, Cylinder Surface Mount	Surface spot	10 (100 mm)	27 (2700K) 30 (3000K) 35 (3500K) 40 (4000K) WD(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+)	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 CY SS 10

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

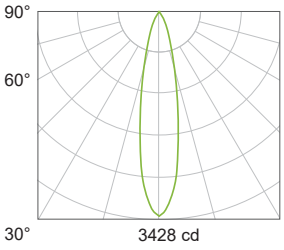
10W max | 90CRI | 3000K | White body with Black trim

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

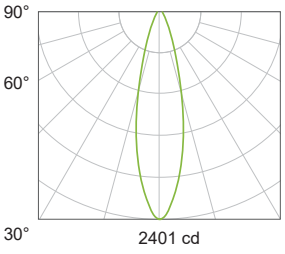
Delivered Ourput : 821 lm | CBCP : 3428 cd | Beam Angle : 20º



Center Beam Intensity	Beam Width	Height
3429 lx	36cm	1m
857 lx	72cm	2m
381 lx	108cm	3m
214 lx	144cm	4m
138 lx	180cm	5m

Medium 25º

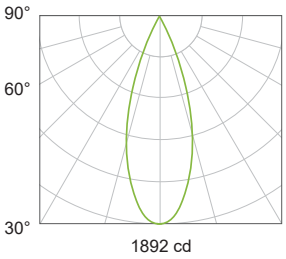
Delivered Ourput : 799 lm | CBCP : 2397 cd | Beam Angle : 25º



Center Beam Intensity	Beam Width	Height
2401 lx	46 cm	1m
600 lx	92 cm	2m
267 lx	137 cm	3m
150 lx	183 cm	4m
96 lx	229 cm	5m

Wide 34º

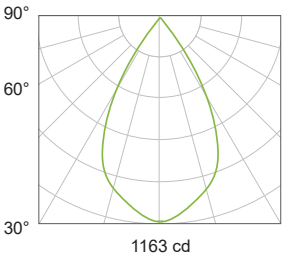
Delivered Ourput : 827 lm | CBCP : 1864 cd | Beam Angle : 34º



Center Beam Intensity	Beam Width	Height
1891 lx	60cm	1m
473 lx	124cm	2m
210 lx	185cm	3m
118 lx	247cm	4m
76 lx	309cm	5m

Flood 55º

Delivered Ourput : 940 lm | CBCP : 1141 cd | Beam Angle : 55º



Center Beam Intensity	Beam Width	Height
1161 lx	107 cm	1m
290 lx	214 cm	2m
129 lx	322 cm	3m
73 lx	430 cm	4m
47 lx	537 cm	5m

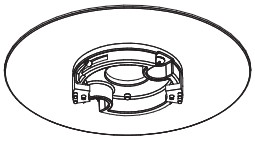
Optional Accessory

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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