co:lab

Project
Type:
Model: MUSE-SM45

Muse-SM45

4W Fixed Micro Surface Mounted Downlight

WATTAGE 4W | CRI (Ra) >90 | UGR <19 | 30° | IP 20 | DALI | CE | WARRANTY 3YR

3-Step | Surface | MAINS DIM



Micro surface mounted LED architectural luminaire providing optimised and efficient performance. Featuring set-back optics and a symmetrical distribution, Muse's minimal design is highlighted by its miniature size which incorporates a dimmable circuit as standard.

Die-cast constructed with a quality painted surface treatment, the Muse comes in a matt black or matt white exterior and black baffle. Custom colours are also available on request and includes a 3 year warranty.

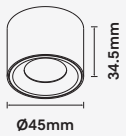
- Luminaire wattage: 4W (System wattage)
- Luminous flux: 198-208Lm[2]
- Luminaire efficacy: 54.13Lm/W[1]
- Correlated colour temperature: 3000K, 4000K
- Colour rendering index: >90[3]
- Mac-Adams Ellipse: 3-SDCM
- LED brand: DOB LED
- Glare control: <19
- Symmetrical distribution: 30°
- Outer trim: Width 45mm x Height 34.5mm
- Ingress protection rating: IP20
- Luminaire finishes: White, Black
- Baffle options: Black[4]
- Longevity: >50,000Hrs L70 B20
- Driver: Mains dimmable LED driver as standard
- Dimming: DALI-2 on request[4]
- Weight: 100g (inc. mains dimmable circuit)
- Warranty: 3 years[5]

Luminaire Finishes

☐ White (WH) ■ Black (BK)

Baffle Finishes

■ Black (BK) ■ Custom



Model	LED Output[2]	Luminous Flux[2]	System Wattage	CCT	CRI[3]	Distribution
MUSE-SM45-4W-3K	250Lm	198Lm	4W	3000K	>90	30°
MUSE-SM45-4W-4K	260Lm	210Lm	4W	4000K	>90	30°

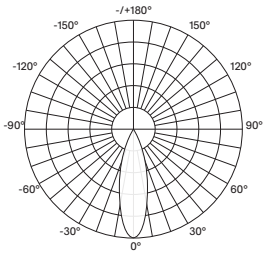
For Mains dimming, add suffix MD[5]
For DALI dimming, add suffix D[5]

Example product order code configuration: MUSE-SM45-4W-3K-30-MD-(WH/BK)

Model		Wattage		CCT		Distribution		Driver		Luminaire Finish / Baffle Finish
MUSE-SM45	+	4W	+	3K	+	30	+	MD	+	WH/BK

Light Distribution

MUSE-SM45-4W-3K-30



AVERAGE BEAM ANGLE (50%): 18.7 DEG

Light output ratio

LOR	100%
ULOR	0%
DLOR	100%
FFR	0.00 (0:100)
BLF	1.00

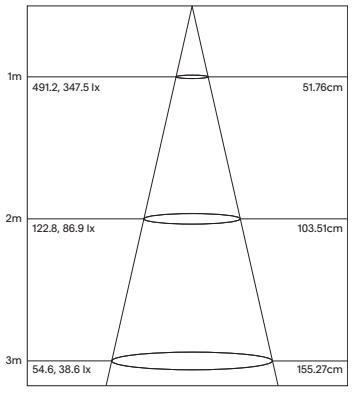
LUMINANCE cd/(m²)

G(DEG)	C0/180	C90/270
85	14686	14686
80	8293	7371
75	5564	5564
70	7485	7017
65	8708	7950
60	10240	9280
55	13390	11995
50	19913	17922

Utilisation Factors

Room Reflectance			Room Index								
Ceiling	Walls	Floor	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00
70	50	20	1.09	1.02	0.96	0.91	0.86	0.82	0.78	0.74	0.71

Cone Diagram



1 Luminaire efficacy based on CCT 3000K; CCT variation will alter efficacy
2 +/- 10% stated initial LED and luminous flux tolerance
3 Colour Rendering Index; >90 Standard
4 Charges apply for non-standard colour/s and dimming options
5 Three year manufacturer's warranty covering product defects and performance deficiencies