MESON ROUND 100 FRESNEL FLAT TRIM

Meson round 100 Fresnel flat trim is a compact LED recessed downlight equipped with an efficient power LED. High visual comfort is achieved by the decorative satinized fresnel lens with concentric rings that provides soft and even illumination.

- Decorative illumination realized by a satinized fresnel optic
- Strong architectural appearance
- Flat trim design
- IP40 enclosure (from the bottom side)

Downloads

Photometrics Meson round 10 Fresnel

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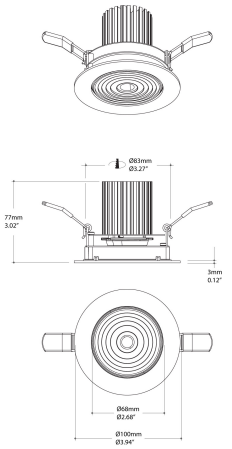
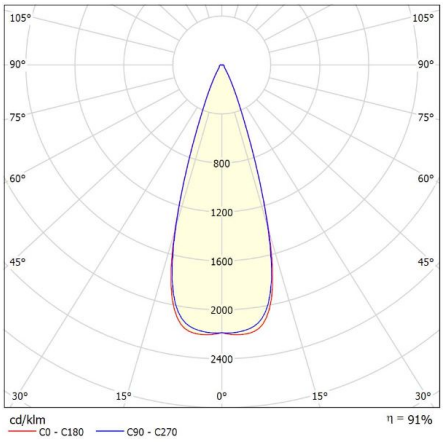
PRODUCT IMAGES





Glare Evaluation According to UGR

ρ Ceiling		70	70	50	50	30	70	70	50	50	30
ρ Walls		50	30	50	30	30	50	30	50	30	30
ρ Floor		20	20	20	20	20	20	20	20	20	20
Room Size X	Y	Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	13.1	13.8	13.3	14.1	14.3	13.2	13.9	13.4	14.2	14.4
	3H	15.7	16.4	16.0	16.6	16.9	15.6	16.3	15.9	16.5	16.8
	4H	17.1	17.7	17.4	18.0	18.3	16.9	17.6	17.2	17.8	18.1
	6H	18.4	19.0	18.8	19.3	19.7	18.2	18.9	18.6	19.1	19.5
	8H	19.0	19.6	19.4	19.9	20.3	18.8	19.4	19.2	19.8	20.1
	12H	19.7	20.2	20.0	20.6	20.9	19.5	20.1	19.9	20.4	20.7
4H	2H	14.0	14.6	14.3	14.9	15.2	14.0	14.7	14.4	15.0	15.3
	3H	16.8	17.4	17.2	17.7	18.0	16.7	17.3	17.1	17.6	17.9
	4H	18.4	18.9	18.8	19.2	19.6	18.2	18.7	18.6	19.0	19.4
	6H	19.9	20.3	20.3	20.7	21.1	19.7	20.2	20.2	20.5	20.9
	8H	20.6	21.0	21.0	21.4	21.8	20.4	20.8	20.9	21.2	21.6
	12H	21.3	21.7	21.8	22.1	22.5	21.2	21.5	21.6	21.9	22.4
8H	4H	19.0	19.3	19.4	19.7	20.2	18.8	19.2	19.3	19.6	20.0
	6H	20.7	21.0	21.2	21.4	21.9	20.6	20.9	21.0	21.3	21.8
	8H	21.5	21.8	22.0	22.3	22.8	21.4	21.7	21.9	22.1	22.6
	12H	22.5	22.7	23.0	23.1	23.7	22.3	22.5	22.8	23.0	23.5
12H	4H	19.1	19.4	19.5	19.8	20.3	19.0	19.3	19.4	19.7	20.2
	6H	20.9	21.1	21.4	21.6	22.1	20.8	21.0	21.3	21.5	22.0
	8H	21.8	22.0	22.3	22.5	23.0	21.7	21.9	22.2	22.4	22.9

Variation of the observer position for the luminaire distances S

S = 1.0H	+0.1 / -0.1	+0.1 / -0.1
S = 1.5H	+0.2 / -0.3	+0.2 / -0.3
S = 2.0H	+0.3 / -0.4	+0.3 / -0.4
Standard table	BK11	BK11
Correction Summand	5.1	4.9

Corrected Glare Indices referring to 4771m Total Luminous Flux

NOTES

ADDITIONAL INFORMATION

Appliance class	Class-II
Application	Education, Hospitality, Municipality, Office, Residential, Retail
Ceiling thickness	<30mm (<45mm)
Colour consistancy (SDCM)	SDCM=2
Colour Rendering Index (CRI)	CRI80, CRI90
Colour temperature	Tunable white, 3000K, 4000K
Cut-out size	⌀86mm
Designed	Philip Feenstra, 2019
Driver position	Separate driving position
Energy label	A++
Expected lifetime	L90B50@60.000h (Tq 25 ° C)
IP-class	IP20 (top) / IP40 (bottom)
Gross weight	0.6KG
Lighting control	Optional
Luminaire efficacy	138lm/W
Material	Steel, Aluminum, Acrylate
Mounting depth	100mm
Number of modules	1
Operational temperature	-20 ° C / + 40 ° C
Optic	Lens
Orientation	Down
Packaging dimensions	300x220x140mm
Power factor	>0.9
Primary connection	GST18i3, GST18i5 pastel blue, On the driver
Product colour	Matt black, Matt white
Shape	Round
Voltage / frequency	220-240V, 50 / 60Hz
Way of mounting	Recessed
Photobiological safety	IEC 62471: RG1 (low risk)
Glare (UGR)	UGR>19

CIE Flux Code	N / A
Emergency lighting	Optional
Meson round 100 Fresnel	Version to be determined, 4W 500lm 2700K CRI80 G7, 6W 700lm 2700K CRI80 G7, 7W 950lm 2700K CRI80 G7, 4W 500lm 3000K CRI80 G7, 6W 750lm 3000K CRI80 G7, 9W 1200lm 3000K CRI80 G7, 4W 500lm 4000K CRI80 G7, 6W 750lm 4000K CRI80 G7, 9W 1250lm 4000K CRI80 G7, 9W 1200lm 2700-6500K CRI80 G7 Tunable White
IK class	IK03