



## **MESON ROUND 100 FRESNEL FLAT TRIM**

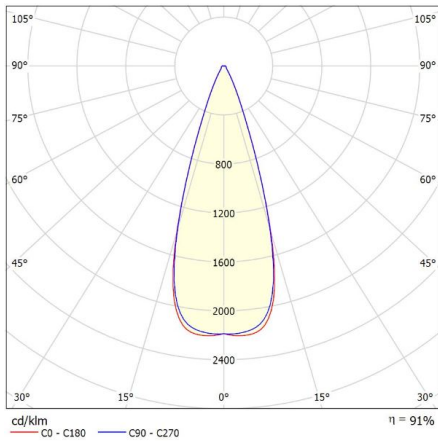
Meson round 100 Fresnel flat trim is a compact LED recessed downlight featuring an efficient power LED. High visual comfort is achieved through its decorative frosted Fresnel lens with concentric rings, ensuring soft and uniform illumination.

- Decorative lighting achieved by a frosted Fresnel optic
- Strong architectural appeal
- Flat trim ring
- IP40 housing (from below)

**Categories:** [Downlights and recessed spotlights](#)



## PRODUCT IMAGES



Glare Evaluation According to UGR											
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room Size	X	Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
Y											
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	19.6	20.1
4H	12H	19.7	20.2	20.0	20.6	20.9	19.5	20.1	19.9	20.4	20.7
	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	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
	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	12H	22.5	22.7	23.0	23.1	23.7	22.3	22.5	22.8	23.0	23.5
	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 luminaires 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 47lm Total Luminous Flux											

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**NOTES**

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## ADDITIONAL INFORMATION

<b>Air extraction</b>	N/A
<b>Armaturefficiëntie</b>	>125lm/W
<b>Bevestiging</b>	Recessed
<b>CIE Flux code</b>	93 100 100 100 100
<b>Driver positie</b>	Loose driver
<b>Energielabel</b>	A++
<b>Family</b>	Meson
<b>Photobiological safety</b>	IEC 62471: RG1 (low risc)
<b>Glare (UGR)</b>	<19
<b>IP-class</b>	IP20 (upwards)/IP40 (downwards)
<b>Isolatieklasse</b>	Class II
<b>Kleurconsistentie (SDCM)</b>	SDCM=2
<b>Kleurtemperatuur</b>	Tunable White, 2700K, 3000K, 3500K, 4000K
<b>Color Rendering Index (CRI)</b>	CRI97, CRI90, CRI80
<b>Light control</b>	1-10V dimming, Casambi dimming, DALI dimming, Optional
<b>Luchtafzuiging</b>	n.v.t.
<b>Material</b>	Acrylic, Steel
<b>Emergency lighting</b>	1 hour emergency power, Optional, Optional 1 hour autonomy self-test
<b>Ambient temperature</b>	-20°C / +40°C
<b>Optics</b>	Lens
<b>Oriëntatie</b>	Down
<b>Packaging dimensions</b>	Bulk packaging
<b>Powerfactor</b>	>9
<b>Primaire aansluitingen</b>	BST 14i2, Europlug, On request, GST18i3, GST18i5 pastelblauw, On the driver
<b>Productkleur</b>	On request
<b>Producttoepassing</b>	Education, Hospitality, Office, Public spaces
<b>Self-adhesive dust cover</b>	Optional
<b>Verpakkingsafmetingen</b>	Bulkverpakking
<b>Verwachte levensduur</b>	L90B50@60,000h (Tq 25°C)

<b>Voltage / frequentie</b>	220-240V, 50 / 60Hz
<b>Shape</b>	Round
<b>Cut-out size</b>	∅86mm
<b>Zelfklevende stofkap</b>	Optioneel

## PHOTOMETRIC DATA

44375.27 Meson 100 Fresnel Flat trim 4W 500lm 2700K CRI80 G8  
44376.27 Meson 100 Fresnel Flat trim 7W 950lm 2700K CRI80 G8  
44377.27 Meson 100 Fresnel Flat trim 11W 1400lm 2700K CRI80 G8

44375.27 Meson 100 Fresnel Flat trim 4W 500lm 2700K CRI80 G8  
44376.27 Meson 100 Fresnel Flat trim 7W 950lm 2700K CRI80 G8  
44377.27 Meson 100 Fresnel Flat trim 11W 1400lm 2700K CRI80 G8

44375.30 Meson 100 Fresnel Flat trim 4W 500lm 3000K CRI80 G8  
44376.30 Meson 100 Fresnel Flat trim 7W 1000lm 3000K CRI80 G8  
44377.30 Meson 100 Fresnel Flat trim 11W 1500lm 3000K CRI80 G8

44375.40 Meson 100 Fresnel Flat trim 4W 550lm 4000K CRI80 G8  
44376.40 Meson 100 Fresnel Flat trim 7W 1050lm 4000K CRI80 G8  
44377.40 Meson 100 Fresnel Flat trim 11W 1500lm 4000K CRI80 G8

44370.27 Meson round 100 Fresnel 4W 500lm 2700K CRI80 G7  
44370.27 Meson round 100 Fresnel 6W 700lm 2700K CRI80 G7  
44370.27 Meson round 100 Fresnel 7W 950lm 2700K CRI80 G7  
44370.30 Meson round 100 Fresnel 4W 500lm 3000K CRI80 G7  
44370.30 Meson round 100 Fresnel 6W 750lm 3000K CRI80 G7  
44370.30 Meson round 100 Fresnel 9W 1200lm 3000K CRI80 G7 - copy  
44370.30 Meson round 100 Fresnel 9W 1200lm 3000K CRI80 G7  
44370.40 Meson round 100 Fresnel 4W 500lm 4000K CRI80 G7  
44370.40 Meson round 100 Fresnel 6W 750lm 4000K CRI80 G7  
44370.40 Meson round 100 Fresnel 9W 1250lm 4000K CRI80 G7  
44370.TW Meson round 100 Fresnel 9W 1200lm 2700-6500K CRI80 G7

44370.27 Meson 100 Fresnel 4W 500lm 2700K CRI80 G8  
44371.27 Meson 100 Fresnel 7W 950lm 2700K CRI80 G8  
44372.27 Meson 100 Fresnel 11W 1400lm 2700K CRI80 G8

44370.30 Meson 100 Fresnel 4W 500lm 3000K CRI80 G8  
44371.30 Meson 100 Fresnel 7W 1000lm 3000K CRI80 G8  
44372.30 Meson 100 Fresnel 11W 1500lm 3000K CRI80 G8

44370.40 Meson 100 Fresnel 4W 550lm 4000K CRI80 G8  
44371.40 Meson 100 Fresnel 7W 1050lm 4000K CRI80 G8  
44372.40 Meson 100 Fresnel 11W 1500lm 4000K CRI80 G8

## LDT / PHOTOMETRICS DOWNLOADS

### LDT / Photometrics downloads

All downloads can be found centrally per family at

<https://atomis.nl/ldt-photometrics/>