

MESON PRO 190-C



Meson Pro 190-C is a range of surface mounted high performance LED downlights equipped with a glare-reducing reflector and a satinized diffuser. The innovative design of LED array, mixing chamber, reflector and diffuser forms an optical system with high system efficacy and excellent visual comfort. Meson pro 190-C has a highly effective Light Output Ratio (LOR) more than 84% and an Unified Glare Rating (UGR) between <16 and <19 depending on the luminaire flux which makes the downlighter EN 1.2464/1 compliant for office applications.

- Housing in matt white or matt black
- UGR<17 to UGR<19 depending on the luminaire flux
- Versions with emergency lighting available

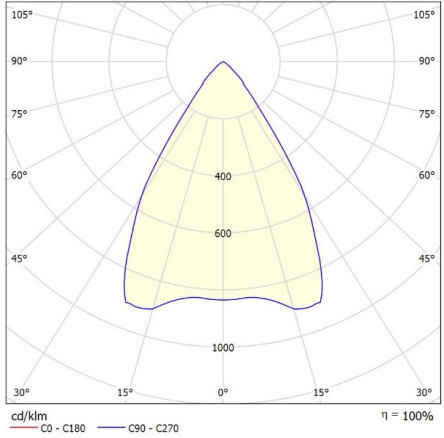
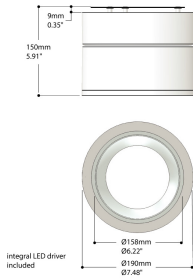
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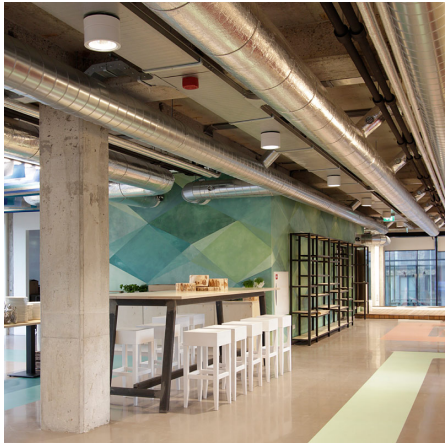
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PRODUCT IMAGES



Glare Evaluation According to UGR												
p Ceiling	70	70	50	50	30	70	70	50	50	30		
p Walls	50	30	50	30	20	50	30	50	30	20		
p 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	19.0	19.7	19.2	19.9	20.1	19.0	19.7	19.2	19.9	20.1	
	3H	18.8	19.5	19.1	19.7	19.9	18.8	19.5	19.1	19.7	19.9	
	4H	18.8	19.4	19.1	19.6	19.9	18.8	19.4	19.1	19.6	19.9	
	6H	18.7	19.2	19.0	19.5	19.8	18.7	19.2	19.0	19.5	19.8	
	8H	18.6	19.2	19.0	19.5	19.8	18.6	19.2	19.0	19.5	19.8	
	12H	18.6	19.1	19.0	19.4	19.7	18.6	19.1	19.0	19.4	19.7	
4H	2H	18.8	19.4	19.1	19.6	19.9	18.8	19.4	19.1	19.6	19.9	
	3H	18.6	19.1	19.0	19.4	19.8	18.6	19.1	19.0	19.4	19.8	
	4H	18.6	19.0	18.9	19.3	19.7	18.6	19.0	18.9	19.3	19.7	
	6H	18.5	18.9	18.9	19.2	19.6	18.5	18.9	18.9	19.2	19.6	
	8H	18.5	18.8	18.9	19.2	19.6	18.5	18.8	18.9	19.2	19.6	
	12H	18.4	18.7	18.8	19.1	19.5	18.4	18.7	18.8	19.1	19.5	
6H	4H	18.5	18.8	18.9	19.2	19.6	18.5	18.8	18.9	19.2	19.6	
	6H	18.4	18.6	18.8	19.0	19.5	18.4	18.6	18.8	19.0	19.5	
	8H	18.3	18.5	18.8	19.0	19.4	18.3	18.5	18.8	19.0	19.4	
	12H	18.3	18.4	18.8	18.9	19.4	18.3	18.4	18.8	18.9	19.4	
12H	4H	18.4	18.7	18.8	19.1	19.5	18.4	18.7	18.8	19.1	19.5	
	6H	18.3	18.5	18.8	19.0	19.4	18.3	18.5	18.8	19.0	19.4	
	8H	18.3	18.4	18.8	18.9	19.4	18.3	18.4	18.8	18.9	19.4	
Variation of the observer position for the luminance distances S												
S = 1.0H		+5.0 / -8.2			+5.0 / -8.2							
S = 1.5H		+7.7 / -13.2			+7.7 / -13.2							
S = 2.0H		+9.7 / -33.2			+9.7 / -33.2							
Standard table		BK00			BK00							
Correction Summand		0.3			0.3							
Corrected Glare Indices referring to 2683lm Total Luminous Flux												



NOTES

ADDITIONAL INFORMATION

Appliance class	Class-II
Application	Education, Hospitality, Municipality, Office, Retail
CIE Flux Code	77 93 99 100 84
Colour consistancy (SDCM)	SDCM=2
Colour Rendering Index (CRI)	CRI80, CRI90
Colour temperature	Tunable white, 3000K, 4000K
Designed	Philip Feenstra, 2013
Driver position	Separate driving position
Luminaire efficacy	100-120lm/W
Emergency lighting	Optional
Expected lifetime	L90B50@60.000h (Tq 25 ° C)
Glare (UGR)	<19, UGR<17
Gross weight	1.8KG
Height	150mm
Lighting control	Optional
Material	Steel, Aluminum, Acrylate
Operational temperature	-20 ° C / + 40 ° C
Optic	Reflector
Packaging dimensions	200x200x200mm
Power factor	>0.9
Primary connection	On the driver
Voltage / frequency	220-240V, 50 / 60Hz
Way of mounting	Ceiling mount
Shape	Round
Energy label	A++
Orientation	Down
Number of modules	1
Product colour	Matt black, Matt white
IP-class	IP20 (top) / IP40 (bottom)
Width	190mm

Length	190mm
Photobiological safety	IEC 62471: RG1 (low risk)
Meson Pro 190	Version to be determined

