



MESON PRO 190-S

Meson Pro 190-S is a series of suspended LED downlights equipped with a glare-reducing reflector and satin diffuser. The innovative design of LED array, light chamber, reflector and diffuser forms an optical system with high system efficiency and excellent visual comfort. Meson Pro 190-S has a highly effective Light Output Ratio (LOR) of better than 84% and a Unified Glare Rating (UGR) between 16 and 19, depending on the fixture output.

- Housing in matte white or matte black
- Integrated driver
- UGR < 16 to UGR < 19 depending on the luminaire current
- Emergency lighting versions available

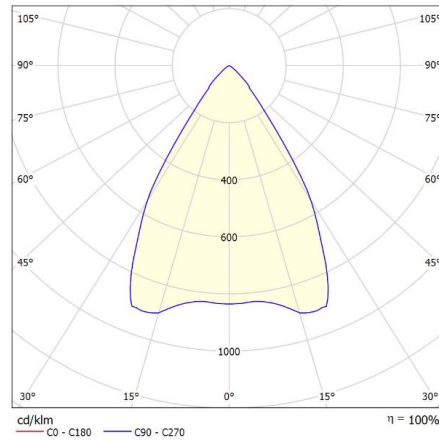
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PRODUCT IMAGES



Glare Evaluation According to UGR											
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
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
	3H	18.9	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
8H	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 268lm Total Luminous Flux											

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NOTES

ADDITIONAL INFORMATION

Air extraction	N/A
Armaturefficiëntie	>125lm/W
Bevestiging	Recessed
CIE Flux code	93 100 100 100 100
Driver positie	Integrated
Energielabel	A++
Family	Meson
Photobiological safety	IEC 62471: RG1 (low risc)
Glare (UGR)	<19
IP-class	IP20 (upwards)/IP40 (downwards)
Isolatieklasse	Class II, Class-I
Kleurconsistentie (SDCM)	SDCM=2
Kleurtemperatuur	Tunable White, 2700K, 3000K, 3500K, 4000K
Color Rendering Index (CRI)	CRI97, CRI90, CRI80
Light control	1-10V dimming, Casambi dimming, DALI dimming, Optional
Luchtafzuiging	n.v.t.
Material	Acrylic, Steel
Emergency lighting	1 hour emergency power, Optional, Optional 1 hour autonomy self-test
Ambient temperature	-20°C / +40°C
Optics	Opalen diffusor, Reflector
Oriëntatie	Down
Packaging dimensions	Bulk packaging
Powerfactor	>9
Primaire aansluitingen	On request, Kabel, On the driver
Productkleur	On request
Producttoepassing	Education, Hospitality, Office, Public spaces
Self-adhesive dust cover	Optional
Verpakkingsafmetingen	Bulkverpakking
Verwachte levensduur	L90B50@60,000h (Tq 25°C)
Voltage / frequentie	220-240V, 50 / 60Hz

Shape

Round

Zelfklevende stofkap

Optioneel

PHOTOMETRIC DATA

46205.30 Meson pro 190-S 9W 1100lm 3000K CRI80 UGR16 G7
46205.40 Meson pro 190-S 9W 1150lm 4000K CRI80 UGR16 G7
46207.30 Meson pro 190-S 15W 1750lm 3000K CRI80 UGR18 G7
46207.40 Meson pro 190-S 15W 1800lm 4000K CRI80 UGR18 G7
46216.30 Meson pro 190-S 20W 2150lm 3000K CRI80 UGR19 G7
46216.40 Meson pro 190-S 20W 2200lm 4000K CRI80 UGR19 G7
46218.30 Meson pro 190-S 26W 2700lm 3000K CRI80 UGR19 G7
46218.40 Meson pro 190-S 26W 2750lm 4000K CRI80 UGR19 G7