

MESON REFIT PRO



Meson Refit pro is an efficient recessed LED downlight suitable for a variety of existing ceiling cut-outs.

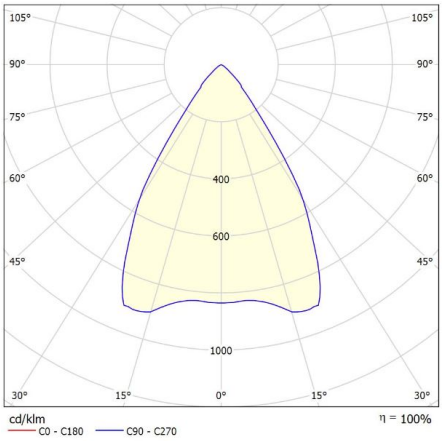
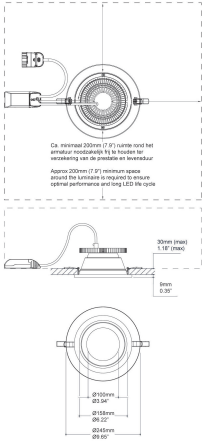
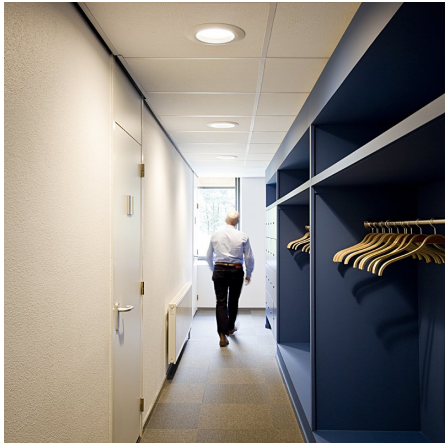
- Decorative trim design
- Suitable for a large variation of existing ceiling cut-outs (Ø185 - 230mm)
- Luminaire efficiency >125lm/W

Downloads

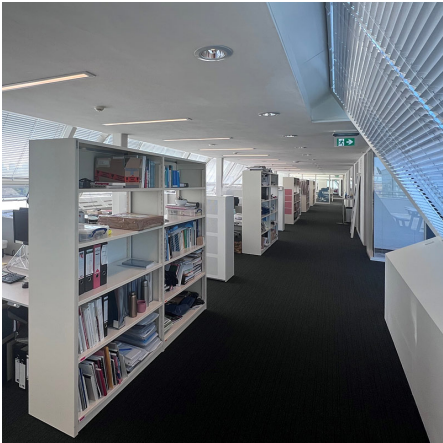
[Photometrics Meson Refit pro](#)

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PRODUCT IMAGES



Glare Evaluation According to UGR												
p Ceiling	70	70	50	50	30	70	70	50	50	30	70	70
p Walls	50	30	50	30	30	50	30	50	30	30	50	30
p Floor	20	20	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		3H	18.8	19.5	19.1	19.7	19.9	18.8	19.5	19.1	19.7	19.9
4H		4H	18.8	19.4	19.1	19.6	19.9	18.8	19.4	19.1	19.6	19.9
6H		6H	18.7	19.2	19.0	19.5	19.8	18.7	19.2	19.0	19.5	19.8
8H		8H	18.6	19.2	19.0	19.5	19.8	18.6	19.2	19.0	19.5	19.8
12H		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		3H	18.6	19.1	19.0	19.4	19.8	18.6	19.1	19.0	19.4	19.8
4H		4H	18.6	19.0	18.9	19.3	19.7	18.6	19.0	18.9	19.3	19.7
6H		6H	18.5	18.9	18.9	19.2	19.6	18.5	18.9	18.9	19.2	19.6
8H		8H	18.5	18.8	18.9	19.2	19.6	18.5	18.8	18.9	19.2	19.6
12H		12H	18.4	18.7	18.8	19.1	19.5	18.4	18.7	18.8	19.1	19.5
8H		2H	18.5	18.8	18.9	19.2	19.6	18.5	18.8	18.9	19.2	19.6
6H		6H	18.4	18.6	18.8	19.0	19.5	18.4	18.6	18.8	19.0	19.5
8H		8H	18.3	18.5	18.8	19.0	19.4	18.3	18.5	18.8	19.0	19.4
12H		12H	18.3	18.4	18.8	18.9	19.4	18.3	18.4	18.8	18.9	19.4
4H		4H	18.4	18.7	18.8	19.1	19.5	18.4	18.7	18.8	19.1	19.5
6H		6H	18.3	18.5	18.8	19.0	19.4	18.3	18.5	18.8	19.0	19.4
8H		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 / -6.2					+5.0 / -6.2					
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 2681lm Total Luminous Flux												





NOTES

ADDITIONAL INFORMATION

Appliance class	Class-II
Application	Education, Hospitality, Municipality, Office, Retail
Ceiling thickness	<30mm (<45mm)
CIE Flux Code	77 93 99 100 84
Colour consistency (SDCM)	SDCM=2
Colour Rendering Index (CRI)	CRI80, CRI90
Colour temperature	Tunable white, 3000K, 4000K
Cut-out size	Ø185 - Ø230mm
Designed	Philip Feenstra, 2015
Driver position	Separate driving position
Luminaire efficacy	>125lm/W
Emergency lighting	1 hour emergency lighting optional
Expected lifetime	L90B50@60.000h (Tq 25 ° C)
Glare (UGR)	<19
Gross weight	1.6 kg
IP-class	IP20 (top) / IP40 (bottom)
Material	Aluminum, Acrylate
Meson trim colour	RAL9016
Mounting depth	150mm
Operational temperature	-20 ° C / + 40 ° C
Packaging dimensions	265x265x140mm
Power factor	>0.9
Self-adhesive dust cover	Optional
Shape	Round
Way of mounting	Recessed
Energy label	A+
Optic	Reflector
Orientation	Down
Voltage / frequency	220-240V, 50 / 60Hz
Number of modules	1

Lighting control

Optional

Version to be determined, 46432.830 Meson refit Pro 8W 1100lm 3000K CRI80 G8, 46432.840 Meson refit Pro 8W 1100lm 4000K CRI80 G8, 46432.930 Meson refit Pro 8W 1000lm 3000K CRI90 G8, 46432.940 Meson refit Pro 8W 1000lm 4000K CRI90 G8, 46433.830 Meson refit Pro 11W 1500lm 3000K CRI80 G8, 46433.840 Meson refit Pro 11W 1500lm 4000K CRI80 G8, 46433.930 Meson refit Pro 11W 1300lm 3000K CRI90 G8, 46433.940 Meson refit Pro 11W 1400lm 4000K CRI90 G8, 46434.830 Meson refit Pro 14W 1800lm 3000K CRI80 G8, 46434.840 Meson refit Pro 14W 1900lm 4000K CRI80 G8, 46434.930 Meson refit Pro 14W 1600lm 3000K CRI90 G8, 46434.940 Meson refit Pro 14W 1600lm 4000K CRI90 G8, 46435.830 Meson refit Pro 15W 1900lm 3000K CRI80 G8, 46435.840 Meson refit Pro 15W 2000lm 4000K CRI80 G8, 46435.930 Meson refit Pro 15W 1700lm 3000K CRI90 G8, 46435.940 Meson refit Pro 15W 1800lm 4000K CRI90 G8, 46436.830 Meson refit Pro 17W 2200lm 3000K CRI80 G8, 46436.840 Meson refit Pro 17W 2300lm 4000K CRI80 G8, 46436.930 Meson refit Pro 17W 1900lm 3000K CRI90 G8, 46436.940 Meson refit Pro 17W 2000lm 4000K CRI90 G8, 46437.830 Meson refit Pro 19W 2400lm 3000K CRI80 G8, 46437.840 Meson refit Pro 18W 2500lm 4000K CRI80 G8, 46437.930 Meson refit Pro 19W 2100lm 3000K CRI90 G8, 46437.940 Meson refit Pro 19W 2200lm 4000K CRI90 G8, 46438.830 Meson refit Pro 24W 2800lm 3000K CRI80 G8, 46438.840 Meson refit Pro 24W 3100lm 4000K CRI80 G8, 46438.930 Meson refit Pro 24W 2500lm 3000K CRI90 G8, 46438.940 Meson refit Pro 24W 2600lm 4000K CRI90 G8

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