Meson refit pro

Atomis
architectural lighting

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Meson Refit pro is an efficient recessed LED downlight suitable for a variety of existing ceiling cut-outs. This makes it very easy to adapt to your current lighting situation for an efficient and energy-efficient LED solution. The decorative wide trim makes the luminaire suitable for all existing cut-out sizes from Ø185 up to Ø230mm. Meson Refit pro is identical to Meson pro 190 with a glare reducing reflector and a dual satinized diffuser. The innovative design of LED, light-mixing chamber, reflector and diffuser optics provides a high system efficiency and excellent visual comfort. Meson Refit pro has a highly effective light output ratio and an “Unified Glare Rating” (UGR) of between 17 and 19 depending on the luminaire flux. This makes the luminaire suitable for lighting of work places, according to the EN 12464/1.

Besides the regular colour temperatures 3000K and 4000K, tunable white, with a colour range of 2700K - 6500K, is available as well.

Meson Refit pro Tunable White
Meson Refit pro Tunable white features a new and innovative way to create any colour tone from comfortable warm white of 2700K to a clear pure white of 6500K. Depending on the application the user can adjust the colour temperature of the illumination in order to stimulate the human behaviour or well-being in retail, schools, offices, health or elderly care. In retail areas – food or fashion – colour temperature can be controlled depending of the product that is illuminated, the products’ colour, the season or time of the day.

Design: Philip Feenstra, 2015

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General information

Luminaire type	LED
	Recessed downlight
Color	Matt white*
Diffuser	Dual satinized
Reflector	Low glare specular
Driver	Separate with luminaire
Dimmable	Optional DALI, 1-10V
Lighting control system	Upon request
Air extraction	N/A
Emergency lighting	Optional, on ceiling
Operating temperature	-20°C / +40°C

Initial lighting performance

Color temperature (K)	3000/4000*/
	Tunable White
Gross flux (lm)	1300-3100*
System power (W)	10/16/20/26*
Efficacy (lm/W)	119-127
Light output ratio (%)	84
Color rendering (CRI)	>80*
Glare (UGR)	<19
Color consistency (SDCM)	2
Expected lifetime	L90B50@50,000h

Mechanical properties

Housing material	Aluminium
Optic material	PMMA, Aluminium
IP class	IP20 (top)/IP40 (bottom)
IK class	N/A
Dimensions (mm)	ø245x124
Cutting dimensions (mm)	ø185-230
Packaging dimensions (mm)	275x275x150
Weight (kg)	1.5

Electrical characteristics

Voltage / Frequency	220-240V*, 50/60Hz
Connector	Euro (CEE 7/16) with
	2 meter cable*
Power factor	>0,9
Appliance class	Class II

Warranty 5 years *following Atomis warranty policy 2015*

* = other options upon request

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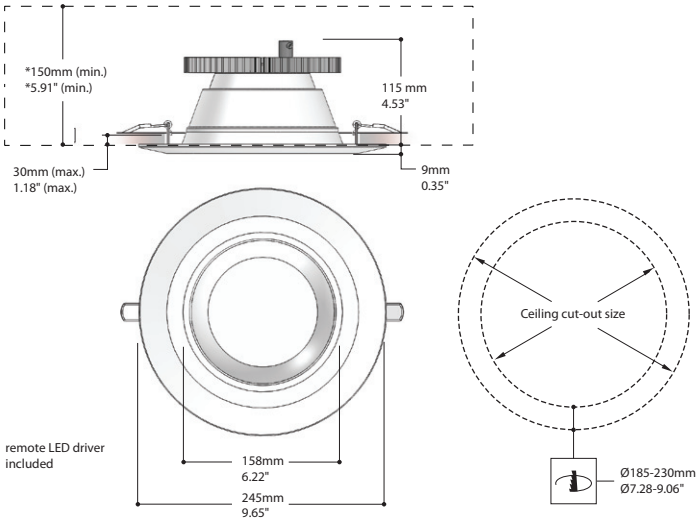
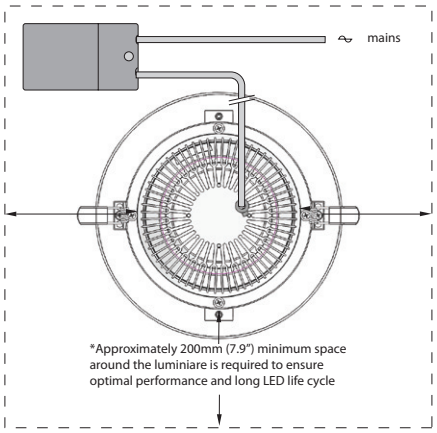
code	W	lm	K
46432.30-6	10	1300	3000
46432.40-6	10	1300	4000
46434.30-6	16	2000	3000
46434.40-6	16	2000	4000
46436.30-6	20	2500	3000
46436.40-6	20	2500	4000
46438.30-6	26	3100	3000
46438.40-6	26	3100	4000
44.800	Dimmable version 1-10V		
44.802	Dimmable version DALI		
44.810	1 hour emergency lighting		
46.035	Protective film		



Meson refit pro Tunable White

code	W	lm	K
46434.TW-6	19	2000	2700-6500
46436.TW-6	28	3000	2700-6500
46.035	Protective film		



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Download our product catalog at www.atomis.nl

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