LUMEDIC SM R CRI95

GENERAL CARD



TECHNICAL PARAMETERS

Ingress protection:	IP65
Impact resistance:	IK09
Rated power of the luminaire [W]*:	44.00 - 88.00
Luminous flux [lm]*:	3750 - 9150
Colour temperature [K]:	3000; 4000
Color rendering index (Ra) >:	95
Material of the body:	powder coated steel
Diffuser material:	szyba hartowana
Diffuser type:	Glass/Opal; Glass/PRM
Mounting version:	recessed
Dimensions (H/W/T/S) [mm]:	595/595/65; 295/1195/65; 595/1195/65;
SDCM:	3

CHARACTERISTICS

Lumedic SM R CRI95 this is a specialist cleanroom luminaire designed for cleanrooms with an air cleanliness class of ISO 3–9, in accordance with ISO 14644-1:2015 Cleanroom, and meeting stringent hygiene and sterility requirements. Its design ensures ease of cleaning and high mechanical and environmental resistance. A robust steel housing with IP65 protection on the room side and on the technical side ensures complete tightness in a sterile environment, while allowing free air flow above the suspended ceiling. Service access is provided from the technical side (top inspection), allowing maintenance without interfering with the clean room.
The luminaire is characterised by very high colour rendering quality (CRI > 95), with high values for the R9 = 94.7 and R13 = 98.9 components. The R9 parameter, responsible for the reproduction of saturated red colours, is crucial in medical diagnostics, surgery and laboratory analyses, where precise differentiation of shades of blood, tissues and biological materials is critical. A high R9 value indicates the use of light sources with a full, continuous spectrum, which is not available for standard LED luminaires.
The R13 parameter refers to the faithful reproduction of skin tones and materials with light, pastel shades. An R13 value of 98.9 ensures a natural appearance of work surfaces, hands and staff faces, reducing eye strain and the risk of visual misjudgement in high-responsibility environments such as operating theatres, pharmaceutical laboratories and quality control rooms.
The front of the luminaire is made of aluminium and 4 mm thick tempered glass, resistant to impact (IK09 class) and chemicals. The modular shutter system (Glass / Opal / PRM) allows you to select the appropriate optical characteristics depending on the application requirements — from uniform, diffused light to precise directional distribution. The SM R version is designed for installation in modular ceilings.

APPLICATION

- laboratories (microbiological, pharmaceutical, chemical),
- hospitals (operating theatres, intensive care units, diagnostic laboratories),
- food and pharmaceutical industry,
- cleanrooms in electronics and semiconductor manufacturing.

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AVAILABLE VERSIONS

Click index >>, to see details

Lumedic SM R CRI95 Glass/Opal

Rated power of the luminaire [W]*	Colour temperature [K]	Luminous flux [lm]*	Diffuser type	DIMM DALI	Emergency lighting [h]	Emergency luminous flux [lm]*	Dimensions (H/W/T/S) [mm]	Index
50	3000	3750	Glass/Opal		3	270	295/1195/65	>> 495854
50	3000	3750	Glass/Opal	yes			295/1195/65	>> 495045
50	3000	3750	Glass/Opal				295/1195/65	>> 495038
50	4000	3900	Glass/Opal		3	270	295/1195/65	>> 495847
50	4000	3900	Glass/Opal	yes			295/1195/65	>> 495021
50	4000	3900	Glass/Opal				295/1195/65	>> 495014
87	3000	5975	Glass/Opal		3	270	295/1195/65	>> 495878
87	3000	5975	Glass/Opal	yes			295/1195/65	>> 495083
87	3000	5975	Glass/Opal				295/1195/65	>> 495076
87	4000	6175	Glass/Opal				295/1195/65	>> 495052
87	4000	6175	Glass/Opal		3	270	295/1195/65	>> 495861
87	4000	6175	Glass/Opal	yes			295/1195/65	>> 495069
48	3000	3900	Glass/Opal		3	270	595/1195/65	>> 495939
48	3000	3900	Glass/Opal	yes			595/1195/65	>> 495229
48	3000	3900	Glass/Opal				595/1195/65	>> 495212
48	4000	4050	Glass/Opal		3	270	595/1195/65	>> 495922
48	4000	4050	Glass/Opal	yes			595/1195/65	>> 495205
48	4000	4050	Glass/Opal				595/1195/65	>> 495182
84	3000	6575	Glass/Opal				595/1195/65	>> 495267
84	3000	6575	Glass/Opal	yes			595/1195/65	>> 495274
84	3000	6575	Glass/Opal		3	270	595/1195/65	>> 495953
84	4000	6775	Glass/Opal		3	270	595/1195/65	>> 495946
84	4000	6775	Glass/Opal	yes			595/1195/65	>> 495250
84	4000	6775	Glass/Opal				595/1195/65	>> 495243
50	3000	4275	Glass/Opal	yes			595/595/65	>> 789878
50	3000	4275	Glass/Opal				595/595/65	>> 789861
50	3000	4275	Glass/Opal		3	270	595/595/65	>> 529474
50	4000	4425	Glass/Opal				595/595/65	>> 789847
50	4000	4425	Glass/Opal		3	270	595/595/65	>> 529467
50	4000	4425	Glass/Opal	yes			595/595/65	>> 789854
87	3000	6750	Glass/Opal	yes			595/595/65	>> 789915
87	3000	6750	Glass/Opal				595/595/65	>> 789908
87	3000	6750	Glass/Opal		3	270	595/595/65	>> 529498

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Rated power of the luminaire [W]*	Colour temperature [K]	Luminous flux [lm]*	Diffuser type	DIMM DALI	Emergency lighting [h]	Emergency luminous flux [lm]*	Dimensions (H/W/T/S) [mm]	Index
87	4000	6975	Glass/Opal	yes			595/595/65	>> 789892
87	4000	6975	Glass/Opal		3	270	595/595/65	>> 529481
87	4000	6975	Glass/Opal				595/595/65	>> 789885

Lumedic SM R CRI95 Glass/PRM

Rated power of the luminaire [W]*	Colour temperature [K]	Luminous flux [lm]*	Diffuser type	DIMM DALI	Emergency lighting [h]	Emergency luminous flux [lm]*	Dimensions (H/W/T/S) [mm]	Index
44	3000	4750	Glass/PRM		3	270	295/1195/65	>> 495892
44	3000	4750	Glass/PRM				295/1195/65	>> 495113
44	3000	4750	Glass/PRM	yes			295/1195/65	>> 495120
44	4000	4975	Glass/PRM	yes			295/1195/65	>> 495106
44	4000	4975	Glass/PRM		3	270	295/1195/65	>> 495885
44	4000	4975	Glass/PRM				295/1195/65	>> 495090
88	3000	8800	Glass/PRM		3	270	295/1195/65	>> 495915
88	3000	8800	Glass/PRM	yes			295/1195/65	>> 495175
88	3000	8800	Glass/PRM				295/1195/65	>> 495168
88	4000	9150	Glass/PRM		3	270	295/1195/65	>> 495908
88	4000	9150	Glass/PRM	yes			295/1195/65	>> 495151
88	4000	9150	Glass/PRM				295/1195/65	>> 495137
48	3000	5100	Glass/PRM		3	270	595/1195/65	>> 495977
48	3000	5100	Glass/PRM				595/1195/65	>> 495304
48	3000	5100	Glass/PRM	yes			595/1195/65	>> 495311
48	4000	5325	Glass/PRM		3	270	595/1195/65	>> 495960
48	4000	5325	Glass/PRM	yes			595/1195/65	>> 495298
48	4000	5325	Glass/PRM				595/1195/65	>> 495281
84	3000	8700	Glass/PRM				595/1195/65	>> 495342
84	3000	8700	Glass/PRM	yes			595/1195/65	>> 495359
84	3000	8700	Glass/PRM		3	270	595/1195/65	>> 495991
84	4000	9050	Glass/PRM				595/1195/65	>> 495328
84	4000	9050	Glass/PRM	yes			595/1195/65	>> 495335
84	4000	9050	Glass/PRM		3	270	595/1195/65	>> 495984
50	3000	5325	Glass/PRM		3	270	595/595/65	>> 529801
50	3000	5325	Glass/PRM	yes			595/595/65	>> 789953
50	3000	5325	Glass/PRM				595/595/65	>> 789946
50	4000	5525	Glass/PRM		3	270	595/595/65	>> 529795
50	4000	5525	Glass/PRM	yes			595/595/65	>> 789939
50	4000	5525	Glass/PRM				595/595/65	>> 789922
87	3000	8525	Glass/PRM	yes			595/595/65	>> 789991
87	3000	8525	Glass/PRM		3	270	595/595/65	>> 529825

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Rated power of the luminaire [W]*	Colour temperature [K]	Luminous flux [lm]*	Diffuser type	DIMM DALI	Emergency lighting [h]	Emergency luminous flux [lm]*	Dimensions (H/W/T/S) [mm]	Index
87	3000	8525	Glass/PRM				595/595/65	>> 789984
87	4000	8800	Glass/PRM				595/595/65	>> 789960
87	4000	8800	Glass/PRM	yes			595/595/65	>> 789977
87	4000	8800	Glass/PRM		3	270	595/595/65	>> 529818

The company reserves the right to make design changes or upgrades in the presented product. Product data sheet does not constitute an offer. * Parameter tolerance is +/- 10%

This product is a subject to electric andelectronic waste equipment regulations (WEEE).

Certificate CE - Nr: 143/2026; 169/2026; 88/2026

LENA LIGHTING

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