

LUMEDIC SM R CRI95

GENERAL CARD



TECHNICAL PARAMETERS

Ingress protection:	IP65
Impact resistance:	IK09
Rated power of the luminaire [W]*:	47.00 - 83.00
Luminous flux [lm]*:	3925 - 7565
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/Opal/PRM; Glass/PRM
Mounting version:	recessed
Dimensions (H/W/T/S) [mm]:	595/595/65; 295/1195/65; 595/1195/65;

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.

LUMEDIC SM R CRI95

GENERAL CARD

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]	Dimensions (H/W/T/S) [mm]	Index
47	3000	4765	Glass/Opal		3	295/1195/65	>> 495854
47	3000	4765	Glass/Opal	yes		295/1195/65	>> 495045
47	3000	4765	Glass/Opal			295/1195/65	>> 495038
47	4000	4928	Glass/Opal		3	295/1195/65	>> 495847
47	4000	4928	Glass/Opal	yes		295/1195/65	>> 495021
47	4000	4928	Glass/Opal			295/1195/65	>> 495014
83	3000	6958	Glass/Opal		3	295/1195/65	>> 495878
83	3000	6958	Glass/Opal	yes		295/1195/65	>> 495083
83	3000	6958	Glass/Opal			295/1195/65	>> 495076
83	4000	7228	Glass/Opal			295/1195/65	>> 495052
83	4000	7228	Glass/Opal		3	295/1195/65	>> 495861
83	4000	7228	Glass/Opal	yes		295/1195/65	>> 495069
47	3000	4765	Glass/Opal		3	595/1195/65	>> 495939
47	3000	4765	Glass/Opal	yes		595/1195/65	>> 495229
47	3000	4765	Glass/Opal			595/1195/65	>> 495212
47	4000	4928	Glass/Opal		3	595/1195/65	>> 495922
47	4000	4928	Glass/Opal	yes		595/1195/65	>> 495205
47	4000	4928	Glass/Opal			595/1195/65	>> 495182
83	3000	6958	Glass/Opal			595/1195/65	>> 495267
83	3000	6958	Glass/Opal	yes		595/1195/65	>> 495274
83	3000	6958	Glass/Opal		3	595/1195/65	>> 495953
83	4000	7228	Glass/Opal		3	595/1195/65	>> 495946
83	4000	7228	Glass/Opal	yes		595/1195/65	>> 495250
83	4000	7228	Glass/Opal			595/1195/65	>> 495243
47	3000	4600	Glass/Opal	yes		595/595/65	>> 789878
47	3000	4600	Glass/Opal			595/595/65	>> 789861
47	3000	4600	Glass/Opal		3	595/595/65	>> 529474
47	4000	4775	Glass/Opal			595/595/65	>> 789847
47	4000	4775	Glass/Opal		3	595/595/65	>> 529467
47	4000	4775	Glass/Opal	yes		595/595/65	>> 789854
83	3000	6725	Glass/Opal	yes		595/595/65	>> 789915
83	3000	6725	Glass/Opal			595/595/65	>> 789908
83	3000	6725	Glass/Opal		3	595/595/65	>> 529498

LUMEDIC SM R CRI95

GENERAL CARD

Rated power of the luminaire [W]*	Colour temperature [K]	Luminous flux [lm]*	Diffuser type	DIMM DALI	Emergency lighting [h]	Dimensions (H/W/T/S) [mm]	Index
83	4000	6975	Glass/Opal	yes		595/595/65	>> 789892
83	4000	6975	Glass/Opal		3	595/595/65	>> 529481
83	4000	6975	Glass/Opal			595/595/65	>> 789885

Lumedic SM R CRI95 Glass/Opal/PRM

Rated power of the luminaire [W]*	Colour temperature [K]	Luminous flux [lm]*	Diffuser type	DIMM DALI	Emergency lighting [h]	Dimensions (H/W/T/S) [mm]	Index
47	3000	3925	Glass/Opal/PRM		3	595/595/65	>> 529436
47	3000	3925	Glass/Opal/PRM	yes		595/595/65	>> 789793
47	3000	3925	Glass/Opal/PRM			595/595/65	>> 789786
47	4000	4075	Glass/Opal/PRM		3	595/595/65	>> 529429
47	4000	4075	Glass/Opal/PRM			595/595/65	>> 789762
47	4000	4075	Glass/Opal/PRM	yes		595/595/65	>> 789779
83	3000	6000	Glass/Opal/PRM		3	595/595/65	>> 529450
83	3000	6000	Glass/Opal/PRM	yes		595/595/65	>> 789830
83	3000	6000	Glass/Opal/PRM			595/595/65	>> 789823
83	4000	6275	Glass/Opal/PRM		3	595/595/65	>> 529443
83	4000	6275	Glass/Opal/PRM	yes		595/595/65	>> 789816
83	4000	6275	Glass/Opal/PRM			595/595/65	>> 789809

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]	Dimensions (H/W/T/S) [mm]	Index
47	3000	4983	Glass/PRM		3	295/1195/65	>> 495892
47	3000	4983	Glass/PRM			295/1195/65	>> 495113
47	3000	4983	Glass/PRM	yes		295/1195/65	>> 495120
47	4000	5146	Glass/PRM	yes		295/1195/65	>> 495106
47	4000	5146	Glass/PRM		3	295/1195/65	>> 495885
47	4000	5146	Glass/PRM			295/1195/65	>> 495090
83	3000	7295	Glass/PRM		3	295/1195/65	>> 495915
83	3000	7295	Glass/PRM	yes		295/1195/65	>> 495175
83	3000	7295	Glass/PRM			295/1195/65	>> 495168
83	4000	7565	Glass/PRM		3	295/1195/65	>> 495908
83	4000	7565	Glass/PRM	yes		295/1195/65	>> 495151
83	4000	7565	Glass/PRM			295/1195/65	>> 495137
47	3000	4983	Glass/PRM		3	595/1195/65	>> 495977
47	3000	4983	Glass/PRM			595/1195/65	>> 495304
47	3000	4983	Glass/PRM	yes		595/1195/65	>> 495311
47	4000	5146	Glass/PRM		3	595/1195/65	>> 495960
47	4000	5146	Glass/PRM	yes		595/1195/65	>> 495298

LUMEDIC SM R CRI95

GENERAL CARD

Rated power of the luminaire [W]*	Colour temperature [K]	Luminous flux [lm]*	Diffuser type	DIMM DALI	Emergency lighting [h]	Dimensions (H/W/T/S) [mm]	Index
47	4000	5146	Glass/PRM			595/1195/65	>> 495281
83	3000	7295	Glass/PRM			595/1195/65	>> 495342
83	3000	7295	Glass/PRM	yes		595/1195/65	>> 495359
83	3000	7295	Glass/PRM		3	595/1195/65	>> 495991
83	4000	7565	Glass/PRM			595/1195/65	>> 495328
83	4000	7565	Glass/PRM	yes		595/1195/65	>> 495335
83	4000	7565	Glass/PRM		3	595/1195/65	>> 495984
47	3000	4825	Glass/PRM		3	595/595/65	>> 529801
47	3000	4825	Glass/PRM	yes		595/595/65	>> 789953
47	3000	4825	Glass/PRM			595/595/65	>> 789946
47	4000	4975	Glass/PRM		3	595/595/65	>> 529795
47	4000	4975	Glass/PRM	yes		595/595/65	>> 789939
47	4000	4975	Glass/PRM			595/595/65	>> 789922
83	3000	7050	Glass/PRM	yes		595/595/65	>> 789991
83	3000	7050	Glass/PRM		3	595/595/65	>> 529825
83	3000	7050	Glass/PRM			595/595/65	>> 789984
83	4000	7325	Glass/PRM			595/595/65	>> 789960
83	4000	7325	Glass/PRM	yes		595/595/65	>> 789977
83	4000	7325	Glass/PRM		3	595/595/65	>> 529818

Card creation date: 23 June 2026

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 and electronic waste equipment regulations (WEEE).



Certificate CE - Nr: 88/2026