LUMEDIC SW 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 SW 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 SW R version is designed for installation in reinforced 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 SW 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	>> 495694
50	3000	3750	Glass/Opal	yes			295/1195/65	>> 494727
50	3000	3750	Glass/Opal				295/1195/65	>> 494710
50	4000	3900	Glass/Opal		3	270	295/1195/65	>> 495687
50	4000	3900	Glass/Opal	yes			295/1195/65	>> 494703
50	4000	3900	Glass/Opal				295/1195/65	>> 494697
87	3000	5975	Glass/Opal		3	270	295/1195/65	>> 495717
87	3000	5975	Glass/Opal	yes			295/1195/65	>> 494765
87	3000	5975	Glass/Opal				295/1195/65	>> 494758
87	4000	6175	Glass/Opal				295/1195/65	>> 494734
87	4000	6175	Glass/Opal		3	270	295/1195/65	>> 495700
87	4000	6175	Glass/Opal	yes			295/1195/65	>> 494741
48	3000	3900	Glass/Opal		3	270	595/1195/65	>> 495779
48	3000	3900	Glass/Opal	yes			595/1195/65	>> 494888
48	3000	3900	Glass/Opal				595/1195/65	>> 494871
48	4000	4050	Glass/Opal		3	270	595/1195/65	>> 495762
48	4000	4050	Glass/Opal	yes			595/1195/65	>> 494864
48	4000	4050	Glass/Opal				595/1195/65	>> 494857
84	3000	6575	Glass/Opal				595/1195/65	>> 494918
84	3000	6575	Glass/Opal	yes			595/1195/65	>> 494925
84	3000	6575	Glass/Opal		3	270	595/1195/65	>> 495793
84	4000	6775	Glass/Opal		3	270	595/1195/65	>> 495786
84	4000	6775	Glass/Opal	yes			595/1195/65	>> 494901
84	4000	6775	Glass/Opal				595/1195/65	>> 494895
50	3000	4550	Glass/Opal	yes			595/595/65	>> 789632
50	3000	4550	Glass/Opal				595/595/65	>> 789625
50	3000	4550	Glass/Opal		3	270	595/595/65	>> 529351
50	4000	4725	Glass/Opal				595/595/65	>> 789601
50	4000	4725	Glass/Opal		3	270	595/595/65	>> 529344
50	4000	4725	Glass/Opal	yes			595/595/65	>> 789618
87	3000	7125	Glass/Opal	yes			595/595/65	>> 789670
87	3000	7125	Glass/Opal				595/595/65	>> 789663
87	3000	7125	Glass/Opal		3	270	595/595/65	>> 529375

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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	7350	Glass/Opal	yes			595/595/65	>> 789656
87	4000	7350	Glass/Opal		3	270	595/595/65	>> 529368
87	4000	7350	Glass/Opal				595/595/65	>> 789649

LUMEDIC SW 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	>> 495731
44	3000	4750	Glass/PRM				295/1195/65	>> 494796
44	3000	4750	Glass/PRM	yes			295/1195/65	>> 494802
44	4000	4975	Glass/PRM	yes			295/1195/65	>> 494789
44	4000	4975	Glass/PRM		3	270	295/1195/65	>> 495724
44	4000	4975	Glass/PRM				295/1195/65	>> 494772
88	3000	8800	Glass/PRM		3	270	295/1195/65	>> 495755
88	3000	8800	Glass/PRM	yes			295/1195/65	>> 494840
88	3000	8800	Glass/PRM				295/1195/65	>> 494833
88	4000	9150	Glass/PRM		3	270	295/1195/65	>> 495748
88	4000	9150	Glass/PRM	yes			295/1195/65	>> 494826
88	4000	9150	Glass/PRM				295/1195/65	>> 494819
48	3000	5100	Glass/PRM		3	270	595/1195/65	>> 495816
48	3000	5100	Glass/PRM				595/1195/65	>> 494956
48	3000	5100	Glass/PRM	yes			595/1195/65	>> 494963
48	4000	5325	Glass/PRM		3	270	595/1195/65	>> 495809
48	4000	5325	Glass/PRM	yes			595/1195/65	>> 494949
48	4000	5325	Glass/PRM				595/1195/65	>> 494932
84	3000	8700	Glass/PRM				595/1195/65	>> 494994
84	3000	8700	Glass/PRM	yes			595/1195/65	>> 495007
84	3000	8700	Glass/PRM		3	270	595/1195/65	>> 495830
84	4000	9050	Glass/PRM				595/1195/65	>> 494970
84	4000	9050	Glass/PRM	yes			595/1195/65	>> 494987
84	4000	9050	Glass/PRM		3	270	595/1195/65	>> 495823
50	3000	5325	Glass/PRM		3	270	595/595/65	>> 529399
50	3000	5325	Glass/PRM	yes			595/595/65	>> 789717
50	3000	5325	Glass/PRM				595/595/65	>> 789700
50	4000	5525	Glass/PRM		3	270	595/595/65	>> 529382
50	4000	5525	Glass/PRM	yes			595/595/65	>> 789694
50	4000	5525	Glass/PRM				595/595/65	>> 789687
87	3000	8525	Glass/PRM	yes			595/595/65	>> 789755
87	3000	8525	Glass/PRM		3	270	595/595/65	>> 529412

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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	>> 789748
87	4000	8800	Glass/PRM				595/595/65	>> 789724
87	4000	8800	Glass/PRM	yes			595/595/65	>> 789731
87	4000	8800	Glass/PRM		3	270	595/595/65	>> 529405

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: 146/2026; 89/2026

LENA LIGHTING

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