



SlimBlend Square - High performance, advanced control

SlimBlend Square, surface mounted

Office norm-compliant lighting with good quality of light is in demand. Moreover, there is also an increasing need for comfort-enhancing effects such as diffused lighting and lighting smoothly blending into the ceiling architecture. That's why 'surface of light' solutions are becoming more and more popular. But parallel to these needs, are the demands to reduce energy and maintenance costs. SlimBlend answers all these needs and more. Not only does it provide glare-free comfort with a diffuse effect and clutter-free aesthetics thanks to integrated control options, it also creates a special blending of light. It uses the 'trapped' light under the masking to create a subtle glow, with a soft transition to the edge, lowering the brightness perception and blending the light into the ceiling. SlimBlend can also be part of a connected lighting system and integrated into the IT infrastructure enabling data on usage to be collected to help reduce energy costs and enhance employee comfort further. Also, thanks to the slim design, it enables technical equipment to be more easily installed in the plenum. Moreover, thanks to the variety of ways of mounting, various ceiling types can take advantage of this luminaire family. SlimBlend comes in square, rectangular and can be either recessed, surface-mounted, suspended. It offers a good balance between initial cost and ROI, making it the ideal choice for delivering excellent quality of light and a fast Return on Investment for offices.

Benefits

- Unique combination of distinguished look & feel and performance
- Helps declutter ceiling architectures
- Integrated sensor makes it ready for connected lighting systems
- Reduced installation time & cost

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Features

- Best-in-class efficacy, supporting green building design
- Good balance between initial cost & ROI, payback within 3 years
- Integrated sensor for (connected) lighting systems enabling additional energy saving, data collection
- Light floats towards edges of luminaire to ensure it, blends into the ceiling architecture
- Comfortable, glare-free office compliant lighting using Micro Lens Optics

Application

- Offices
- Healthcare
- Education

Specifications

Type	SM400C(module size 600x600 mm versions) SM402C (module size 625x625 mm versions)
Light source	Non-replaceable LED module
Power (+/-10%)	25-40 W (depending on type)
Beam angle	92°
Luminous flux	2800 Lumen 3600 Lumen 4200 Lumen
Correlated Color	3000K and 4000K
Temperature	
Color Rendering Index	>80
Lumen maintenance at median useful life*	L80
50000 h	
Control gear failure rate at median useful life	5%
50000 h	
Performance Ambient Temperature Tq	+25 °C
Operating temperature range	+10 to +40 °C

Driver	Built-in
Power/Data supply	PSU PSD PSD-CLO PSD-T PoE
Mains voltage	220-240 V / 50-60 Hz
Dimming	Dali, PoE
Material	Housing: coated steel and plastic Optics: Micro Lens Optics (MLO)
Color	White
Optical cover	Micro Lens Optic (MLO)
Connection	PIP or W
Maintenance	Optical module sealed for life; no internal cleaning required
Installation	Individual, sliding luminaire into pre-mounted ceiling plate and locking by screw
Through-wiring possible	Yes (depending on type)

Versions



SlimBlend mounted module 625 - 840 neutral white - Power supply unit with DALI and SystemReady interface, InterAct ready - Push-in connector and pull relief

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Application Conditions

Ambient temperature range	+10 to +40 °C
Maximum dim level	1%
Suitable for random switching	No

Approval and Application

Mech. impact protection code	IK02
Ingress protection code	IP20

Controls and Dimming

Dimmable	Yes
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Operating and Electrical

Input Voltage	220 to 240 V
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General Information

Beam angle of light source	120 °
CE mark	-
Protection class IEC	Safety class II
Driver included	Yes
ENEC mark	ENEC mark
Flammability mark	For mounting on normally flammable surfaces
Glow-wire test	Temperature 650 °C, duration 30 s
Light source replaceable	No
Number of gear units	1 unit
Optic type	-
Product Family Code	SM402C

Initial Performance (IEC Compliant)

Initial chromaticity	(0.38, 0.38) SDCM<3
Init. Corr. Color Temperature	4000 K
Init. Color Rendering Index	>80
Luminous flux tolerance	+/-10%

Mechanical and Housing

Color	White
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Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial LED luminaire efficacy	Initial luminous flux	Initial input power
910505101752	SM402C LED36S/840 SRD W62L62 IA4	106 lm/W	3600 lm	34 W
910505101753	SM402C LED42S/840 SRD W62L62 IA4	104 lm/W	4200 lm	40.5 W

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