# **PHILIPS** Lighting



# SlimBlend Rectangular, recessed

# RC402B LED42S/840 PSD W31L125 VPC PIP

SlimBlend recessed mod. 625, 840 neutral white, Power supply unit with DALI interface, Push-in connector and pull relief, Safety class II

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.

#### **Product data**

General Information		Number of gear units	1 unit
Light source replaceable	No	Driver included	Yes

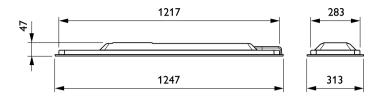
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Remarks	*-Per Lighting Europe guidance paper	
	"Evaluating performance of LED based	
	luminaires - January 2018": statistically	
	there is no relevant difference in lumen	
	maintenance between B50 and for example	
	B10. Therefore, the median useful life (B50)	
	value also represents the B10 value.	
Service tag	Yes	
Product family code	RC402B [SlimBlend recessed mod. 625]	
Lighting Technology	LED	
Value ladder	Specification	
CE mark	Yes	
Warranty period	5 years	
Flammability mark	For mounting on normally flammable	
	surfaces	
ENEC mark	ENEC mark	
Glow-wire test	Temperature 650 °C, duration 5 s	
EU RoHS compliant	Yes	
Light Technical		
Luminous Flux	4,200 lm	
Correlated Color Temperature (Nom)	4000 K	
Luminous Efficacy (rated) (Nom)	108 lm/W	
Color rendering index (CRI)	80	
Beam angle of light source	120 degree(s)	
Light source color	840 neutral white	
Optic type	-	
Luminaire light beam spread	120°	
Unified glare rating CEN	19	
Operating and Electrical		
Input Voltage	220-240 V	
Line Frequency	50 to 60 Hz	
Inrush current	20.4 A	
Inrush time	0.195 ms	
Power Consumption	39 W	
Power Factor (Fraction)	0.9	
Connection	Push-in connector and pull relief	
Cable	-	
Number of products on MCB of 16 A type	24	
В		
Temperature		
Ambient temperature range	+10 to +40 °C	
Controls and Dimming		
	Yes	
Dimmable		
Dimmable Driver/power unit/transformer	Power supply unit with DALI interface	

Constant light output	No
Mashanian and H	
Mechanical and Housing	
Housing Material	Stainless steel
Reflector material	-
Optic material	Polymethyl methacrylate
Optical cover material	Polymethyl methacrylate
Fixation material	-
Housing Color	White
Optical cover finish	Textured
Overall length	1,247 mm
Overall width	313 mm
Overall height	52 mm
Dimensions (Height x Width x Depth)	52 x 313 x 1247 mm
Approval and Application	
Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]
Protection class IEC	Safety class II
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38, 0.38) SDCM<3
Power consumption tolerance	+/-10%
Over Time Performance (IEC Complia	
Control gear failure rate at median useful	5 %
life 50000 h	100
Lumen maintenance at median useful life*	180
50000 h	
Application Conditions	
Performance ambient temperature Tq	25 °C
Maximum dim level	1%
Suitable for random switching	Yes
Product Data	
Order product name	RC402B LED42S/840 PSD W31L125 VPC PIF
Full product name	RC402B LED42S/840 PSD W31L125 VPC PIF
Full product code	871869917731700
Order code	910500459984
Material Nr. (12NC)	910500459984
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699177317
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699177317
	55555 (7.51)

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#### Dimensional drawing





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