# **PHILIPS** Lighting



# SmartBalance, recessed

# RC482B LED35S/840 PSD-T W62L62 VPC ACL P

SmartBalance module 625, LED Module, system flux 3500 lm, 840 neutral white, Power supply unit with DALI touch-switch and dimming interface, ActiLume, Push-in connector and pull relief

Many people are keen to apply recessed luminaires with a surface of light as an alternative to louver-type solutions. At the same time they expect the luminaires to be office norm-compliant as well as highly energy-efficient. Meeting all relevant office norms, SmartBalance recessed is the next step in surface-of-light recessed luminaires for the specification market. Thanks to state-of-the-art LED technology it not only offers increased energy efficiency compared with fluorescent, but is also visually appealing without being intrusive. For those looking for an exciting design element there are versions with inner masking. SmartBalance is also available in surface-mounted, suspended and free floor-standing versions.

#### **Product data**

General Information	
Lamp family code	LED35S [LED Module, system flux 3500 lm]
Cap-Base	- [-]
Light source replaceable	No
Number of gear units	1 unit
Driver included	Yes
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.
Product family code	RC482B [SmartBalance module 625]
Lighting Technology	LED
Glow-wire test	Temperature 650 °C, duration 5 s
Flammability mark	For mounting on normally flammable
	surfaces

## SmartBalance, recessed

CE mark	Yes
ENEC mark	ENEC plus mark
Warranty period	5 years
EU RoHS compliant	Yes
Embedded control	ActiLume
Light Technical	
Luminous Flux	3,500 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	119 lm/W
Color rendering index (CRI)	≥80
Number of light sources	1
Light source color	840 neutral white
Optic type	-
Optical cover type	Acrylate micro-lens optic
Luminaire light beam spread	130°
Unified glare rating CEN	19
Operating and Electrical	
Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Inrush current	48 A
Inrush time	1 ms
Power Consumption	29.5 W
Power Factor (Fraction)	0.9
Connection	Push-in connector and pull relief
Cable	-
Number of products on MCB of 16 A type	20
В	
Temperature	
Ambient temperature range	+10 to +40 °C
Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI touch-switch
	and dimming interface
Control interface	DALI
Constant light output	No
Mechanical and Housing	
Housing Material	Steel
Reflector material	Polycarbonate
Optic material	-

Fixation material	
Housing Color	White
Optical cover finish	Textured
Overall length	622 mm
Overall width	622 mm
Overall height	136 mm
Dimensions (Height x Width x Depth)	136 x 622 x 622 mm
Approval and Application	
Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]
Protection class IEC	Safety class I
Initial Performance (IEC Compliant	t)
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38, 0.38) SDCM <3
Power consumption tolerance	+/-10%
Over Time Performance (IEC Comp	oliant)
Control gear failure rate at median usefu	al 5%
life 50000 h	
Lumen maintenance at median useful	L80
life* 50000 h	
Application Conditions	
Application Conditions Performance ambient temperature Tq	25 ℃
	25 ℃ 1%
Performance ambient temperature Tq	
Performance ambient temperature Tq Maximum dim level	1%
Performance ambient temperature Tq Maximum dim level	1%
Performance ambient temperature Tq Maximum dim level Suitable for random switching	1%
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Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name Full product name Full product code Order code	1% Yes RC482B LED35S/840 PSD-T W62L62 VPC ACL P RC482B LED35S/840 PSD-T W62L62 VPC ACL P 871794310407900 910502026903
Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name Full product name Full product code Order code Material Nr. (12NC)	1% Yes RC482B LED35S/840 PSD-T W62L62 VPC ACL P RC482B LED35S/840 PSD-T W62L62 VPC ACL P 871794310407900 910502026903 910502026903
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Acrylate

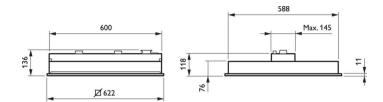
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Optical cover material

Fixation material

## SmartBalance, recessed

#### Dimensional drawing





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