# **PHILIPS** Lighting



# SmartBalance, recessed

# RC482B LED42S/830 PSD W62L62 VPC W

SmartBalance module 625, LED module, system flux 4200 lm, 830 warm white, Power supply unit with DALI interface, Plug-in connector 3-pole Wieland/Adels compatible

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**

LED42S [LED module, system flux 4200 lm]
- [-]
No
1 unit
Yes
*-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
CE mark	Yes
ENEC mark	ENEC plus mark
Warranty period	5 years
EU RoHS compliant	Yes

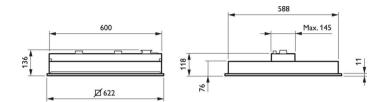
### SmartBalance, recessed

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Embedded control	-
Light Technical	
Luminous Flux	4,200 lm
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	115 lm/W
Color rendering index (CRI)	≥80
Number of light sources	1
Light source color	830 warm white
-	650 Warm 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	36.5 W
	0.9
Power Factor (Fraction) Connection	Plug-in connector 3-pole Wieland/Adels
connection	compatible
Cable	compatible
	20
Number of products on MCB of 16 A type B	20
Temperature	
Ambient temperature range	+10 to +40 °C
Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No
Mechanical and Housing	
Housing Material	Steel
Reflector material	Polycarbonate
Optic material	-
Optical cover material	Acrylate

-
White
Textured
622 mm
622 mm
136 mm
136 x 622 x 622 mm
IP20 [Finger-protected]
IK02 [0.2 J standard]
Safety class I
+/-10%
(0.43, 0.40) SDCM <3
+/-10%
iant)
<b>iant)</b> 5%
5 %
5 %
5 %
5 %
5 % L80
5 % L80 25 °C
5 % L80 25 °C 1%
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## SmartBalance, recessed

#### Dimensional drawing





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