



SmartBalance free floor standing

FS484F LED125S/840 PSD-T SW WH

SmartBalance FFS, LED module, system flux 12500 lm, 840 neutral white, Power supply unit with DALI touch-switch and dimming interface, Micro-lens optic, White

Free floor-standing luminaires are loved by customers as the ideal solution for personally controlled, flexible and comfortable lighting. SmartBalance is the next step in free floor-standing luminaires. Thanks to the application of state-of-the-art LED technology, it offers not only increased energy efficiency, but also a compact and clean design that blends into any environment. SmartBalance is also available in recessed, surface-mounted and suspended versions.

Warnings and Safety

- The product is IPXO and as such is not protected against water ingress, so we strongly recommend that the environment in which the luminaire is to be installed is suitably checked
- If the above advice is not followed and the luminaires are subject to water ingress, Philips/Signify cannot guarantee safe use and the product warranty will become void

Product data

General Information	
Lamp family code	LED125S [LED module, system flux 12500 lm]
Cap base	- [-]
Light source replaceable	No
Number of gear units	2 units
Driver included	Yes
Remarks	*- According to the Lighting Europe guidance
	paper 'Evaluating performance of LED based

	luminaires – January 2018': statistically there
	is no relevant difference in lumen
	maintenance between the B50 and, for
	example, the B10. Therefore, the median
	useful life (B50) value also represents the B10
	value.
Product family code	FS484F [SmartBalance FFS]
Lighting Technology	LED

Datasheet, 2023, April 29 data subject to change

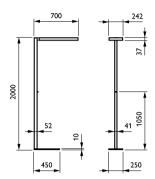
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Value ladder	Performance
Embedded control	-
CE mark	Yes
Warranty period	5 years
Flammability mark	For mounting on normally flammable surfaces
ENEC mark	ENEC plus mark
Glow-wire test	Temperature 650 °C, duration 30 s
EU RoHS compliant	Yes
Light Technical	
Luminous Flux	12,500 lm
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	139 lm/W
Colour rendering index (CRI)	≥80
Light source colour	840 neutral white
Optic type	-
Optical cover type	Micro-lens optic
Luminaire light beam spread	114°
Unified Glare Rating (CEN)	13
Operating and Electrical	
Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Inrush current	50 A
Inrush time	2 ms
Power Consumption	90 W
Power Factor (Fraction)	0.9
Connection	Connection unit 3-pole
Cable	Cable 3.0 m with Europlug connector 3-pole
Number of products on MCB of 16 A type	10
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	Aluminium

Reflector material	Aluminium
Optic material	-
Optical cover/lens material	Acrylate and polycarbonate
Fixation material	-
Housing Colour	White
Optical cover/lens finish	Opal
Overall length	700 mm
Overall width	250 mm
Overall height	2,000 mm
Dimensions (height x width x depth)	2000 x 250 x 700 mm
Approval and Application	
Ingress protection code	IP40 [Wire-protected]
Mech. impact protection code	IK02 [0.2 J standard]
Protection class IEC	Safety class I
Initial Performance (IEC Compliant)
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.43, 0.40) SDCM <3
Power consumption tolerance	+/-10%
Over Time Performance (IEC Comp	liant)
Control gear failure rate at median usefu	1 5%
life 50,000 h	
life 50,000 h Lumen maintenance at median useful	L85
	L85
Lumen maintenance at median useful	L85
Lumen maintenance at median useful	L85
Lumen maintenance at median useful life* 50,000 h	L85
Lumen maintenance at median useful life* 50,000 h Application Conditions	
Lumen maintenance at median useful life* 50,000 h Application Conditions Performance ambient temperature Tq	25°C
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Lumen maintenance at median useful life* 50,000 h Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name Full product name Full EOC	25 °C 1% No FS484F LED125S/840 PSD-T SW WH FS484F LED125S/840 PSD-T SW WH 871794310492500
Lumen maintenance at median useful life* 50,000 h Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name Full product name Full EOC Order code	25 °C 1% No FS484F LED125S/840 PSD-T SW WH FS484F LED125S/840 PSD-T SW WH 871794310492500 10492500
Lumen maintenance at median useful life* 50,000 h Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name Full product name Full EOC Order code Material no. (12 NC)	25 °C 1% No FS484F LED125S/840 PSD-T SW WH FS484F LED125S/840 PSD-T SW WH 871794310492500 10492500 910504094403
Lumen maintenance at median useful life* 50,000 h Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name Full product name Full EOC Order code Material no. (12 NC) SAP numerator – quantity per pack	25 °C 1% No FS484F LED125S/840 PSD-T SW WH FS484F LED125S/840 PSD-T SW WH 871794310492500 10492500 910504094403 1
Lumen maintenance at median useful life* 50,000 h Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name Full product name Full EOC Order code Material no. (12 NC) SAP numerator – quantity per pack EAN/UPC — Product/Case	25 °C 1% No FS484F LED125S/840 PSD-T SW WH FS484F LED125S/840 PSD-T SW WH 871794310492500 10492500 910504094403 1 8717943104925

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Dimensional drawing





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