SmartBalance free floor standing

FS484F LED45S/830 PSD-T ACL WH

SmartBalance FFS, LED Module, system flux 4500 lm, 830 warm white, Power supply unit with DALI touch-switch and dimming interface, Micro-lens optic, ActiLume, 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 IPX0 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	LED45S [LED Module, system flux 4500 lm]
Cap base	- [-]
Light source replaceable	No
Number of gear units	Unit
Gear	-
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.

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Product family code	FS484F [SmartBalance FFS]
Lighting Technology	LED
Value ladder	Performance
Embedded control	ActiLume
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	4,500 lm
Correlated Colour Temperature	3000 K
Luminous efficacy (rated) (nom.)	124 lm/W
Colour rendering index (CRI)	≥80
Light source colour	830 warm white
Optic type	-
Optical cover type	Micro-lens optic
Luminaire light beam spread	114°
Unified Glare Rating (CEN)	16

Operating and Electrical

Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Inrush current	50 A
Inrush time	2 ms
Power Consumption	36.4 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 B	10

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 Compliant)

Control gear failure rate at median useful life 50,000 h	5 %
Lumen maintenance at median useful life* 50,000 h	L85

Application Conditions

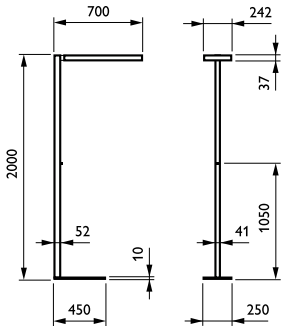
Performance ambient temperature Tq	25 °C
Maximum dim level	1%
Suitable for random switching	Yes

Product Data

Order product name	FS484F LED45S/830 PSD-T ACL WH
Full product name	FS484F LED45S/830 PSD-T ACL WH
Full EOC	871829127379000
Order code	27379000
Material no. (12 NC)	910504090303
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8718291273790
Numerator – packs per outer box	1
EAN/UPC - Case	8718291273790

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Dimensional drawing



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