SmartBalance Free Floor Standing

FS484F LED120S/830 PSD-T SW CCH WH

SmartBalance FFS, LED module, system flux 12000 lm, 830 warm white, Power supply unit with DALI touch-switch and dimming interface, Micro-lens optic, Cable 3.0 m with Swiss plug 3-pole, 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 & as such is not protected against water ingress & as such we strongly recommend that The environment in which The luminaire is to be installed is suitably checked
- If The above advice is not taken and The luminaires are subject to water ingress, Philips / Signify cannot guarantee safe failure & product warranty will become void

Product data

General Information

Lamp family code	LED120S [LED module, system flux 12000 lm]
Cap-Base	- [-]
Light source replaceable	No
Number of gear units	2 units
Driver included	Yes

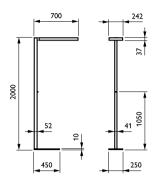| Remarks	
	*-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically there is no relevant difference in lumen maintenance between B50 and for example

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	B10. Therefore, the median useful life (B50) value also represents the B10 value.
Service tag	Yes
Product family code	FS484F [SmartBalance FFS]
Lighting Technology	LED
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	12,000 lm
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	133 lm/W
Color rendering index (CRI)	≥80
Number of light sources	1
Light source color	830 warm 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 Swiss plug 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	Aluminum
Reflector material	Aluminum
Optic material	–
Optical cover material	Acrylate and polycarbonate
Fixation material	–
Housing Color	White
Optical cover 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 50000 h	5 %
Lumen maintenance at median useful life* 50000 h	L85

Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	1%
Suitable for random switching	No

Product Data

Order product name	FS484F LED120S/830 PSD-T SW CCH WH
Full product name	FS484F LED120S/830 PSD-T SW CCH WH
Full product code	871794311083400
Order code	910504094903
Material Nr. (12NC)	910504094903
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8717943110834
Numerator – Packs per outer box	1
EAN/UPC – Case	8717943110834

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Dimensional drawing