



# SmartBalance Free Floor Standing

## FS484F LED120S/830 PSD-T SW 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, 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 & 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
Gear	-
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.
Service tag	Yes

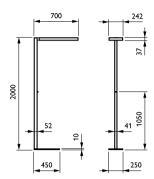
Datasheet, 2023, September 4 data subject to change

# **SmartBalance Free Floor Standing**

Product family code	FS484F [SmartBalance FFS]	Mechanical and Housing	
Lighting Technology	LED	Housing Material	Aluminum
Value ladder	Performance	Reflector material	Aluminum
Embedded control		Optic material	-
CE mark	Yes	Optical cover material	Acrylate and polycarbonate
Warranty period	5 years	Fixation material	
Flammability mark	For mounting on normally flammable	Housing Color	White
	surfaces	Optical cover finish	Opal
ENEC mark	ENEC plus mark	Overall length	700 mm
Glow-wire test	Temperature 650 °C, duration 30 s	Overall width	250 mm
EU RoHS compliant	Yes	Overall height	2,000 mm
		Dimensions (Height x Width x Depth)	2000 x 250 x 700 mm
Light Technical			
Luminous Flux	12,000 lm	Approval and Application	
Correlated Color Temperature (Nom)	3000 K	Ingress protection code	IP40 [Wire-protected]
Luminous Efficacy (rated) (Nom)	133 lm/W	Mech. impact protection code	IK02 [0.2 J standard]
Color rendering index (CRI)	≥80	Protection class IEC	Safety class I
Number of light sources	1		
Light source color	830 warm white	Initial Performance (IEC Compliant)	
Optic type		Luminous flux tolerance	+/-10%
Optical cover type	Micro-lens optic	Initial chromaticity	(0.43, 0.40) SDCM <3
Luminaire light beam spread	114°	Power consumption tolerance	+/-10%
Unified glare rating CEN	13		
		Over Time Performance (IEC Compl	liant)
Operating and Electrical		Control gear failure rate at median useful	. 5%
Input Voltage	220-240 V	life 50000 h	
Line Frequency	50 to 60 Hz	Lumen maintenance at median useful	L85
Inrush current	50 A	life* 50000 h	
Inrush time	2 ms		
Power Consumption	90 W	Application Conditions	
Power Factor (Fraction)	0.9	Performance ambient temperature Tq	25 °C
Connection	Connection unit 3-pole	Maximum dim level	1%
Cable	Cable 3.0 m with europlug connector 3-pole	Suitable for random switching	No
Number of products on MCB of 16 A type	10		
В		Product Data	
		Order product name	FS484F LED120S/830 PSD-T SW WH
Temperature		Full product name	FS484F LED120S/830 PSD-T SW WH
Ambient temperature range	+10 to +40 °C	Full product code	871794311080300
		Order code	910504094603
Controls and Dimming		Material Nr. (12NC)	910504094603
Dimmable	Yes	Numerator - Quantity Per Pack	1
Driver/power unit/transformer	Power supply unit with DALI touch-switch	EAN/UPC - Product/Case	8717943110803
	and dimming interface	Numerator - Packs per outer box	1
Control interface	DALI	EAN/UPC - Case	8717943110803
Constant light output	No		

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### Dimensional drawing





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