



# **SmartBalance Free Floor Standing**

# FS484F LED86S/840 PSR-T ACL CCH WH

SmartBalance FFS, LED module, system flux 8600 lm, 840 neutral white, Power supply unit regulating version with touch-switch and dimming interface (integrated), Micro-lens optic, ActiLume, 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 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	LED86S [LED module, system flux 8600 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

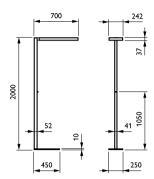
Datasheet, 2023, September 4 data subject to change

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	B10. Therefore, the median useful life (B50)	Constant light output	No
	value also represents the B10 value.		
Service tag	Yes	Mechanical and Housing	
Product family code	FS484F [SmartBalance FFS]	Housing Material	Aluminum
Lighting Technology	LED	Reflector material	Aluminum
Value ladder	Performance	Optic material	-
Embedded control	ActiLume	Optical cover material	Acrylate and polycarbonate
CE mark	Yes	Fixation material	-
Warranty period	5 years	Housing Color	White
Flammability mark	For mounting on normally flammable	Optical cover finish	Opal
	surfaces	Overall length	700 mm
ENEC mark	ENEC plus mark	Overall width	250 mm
Glow-wire test	Temperature 650 °C, duration 30 s	Overall height	2,000 mm
EU RoHS compliant	Yes	Dimensions (Height x Width x Depth)	2000 x 250 x 700 mm
Light Technical		Approval and Application	
Luminous Flux	8,600 lm	Ingress protection code	IP40 [Wire-protected]
Correlated Color Temperature (Nom)	4000 K	Mech. impact protection code	IK02 [0.2 J standard]
Luminous Efficacy (rated) (Nom)	134 lm/W	Protection class IEC	Safety class I
Color rendering index (CRI)	≥80		
Number of light sources	1	Initial Performance (IEC Compliant)	
Light source color	840 neutral white	Luminous flux tolerance	+/-10%
Optic type	-	Initial chromaticity	(0.43, 0.40) SDCM <3
Optical cover type	Micro-lens optic	Power consumption tolerance	+/-10%
Luminaire light beam spread	114°	·	
Unified glare rating CEN	13	Over Time Performance (IEC Compliant)	
		Control gear failure rate at median useful 5 %	
Operating and Electrical		life 50000 h	
Input Voltage	220-240 V	Lumen maintenance at median useful	L85
Line Frequency	50 to 60 Hz	life* 50000 h	
Inrush current	50 A		
Inrush time	2 ms	Application Conditions	
Power Consumption	64 W	Performance ambient temperature Tq	25 °C
Power Factor (Fraction)	0.9	Maximum dim level	1%
Connection	Connection unit 3-pole	Suitable for random switching	Yes
Cable	Cable 3.0 m with Swiss plug 3-pole		
Number of products on MCB of 16 A type	<del></del>	Product Data	
В		Order product name	FS484F LED86S/840 PSR-T ACL CCH WH
	_	Full product name	FS484F LED86S/840 PSR-T ACL CCH WH
Temperature		Full product code	871794311095700
Ambient temperature range	+10 to +40 °C	Order code	910504095403
		Material Nr. (12NC)	910504095403
Controls and Dimming		Numerator - Quantity Per Pack	1
Dimmable	Yes	EAN/UPC - Product/Case	8717943110957
Driver/power unit/transformer	Power supply unit regulating version with	Numerator - Packs per outer box	1
2 power anny transformer	touch-switch and dimming interface	EAN/UPC - Case	8717943110957
	(integrated)	LANY OF C - Case	7, 17 ±45 11 CE VII C#5 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Control interface	Analog		

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## Dimensional drawing





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