



SmartBalance Free Floor Standing

FS484F LED86S/840 PSD-T ACL CCH WH

SmartBalance FFS, LED module, system flux 8600 lm, 840 neutral white, Power supply unit with DALI touch-switch and dimming interface, 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

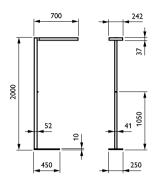
Datasheet, 2023, September 4 data subject to change

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	B10. Therefore, the median useful life (B50)	Mechanical and Housing	
	value also represents the B10 value.	Housing Material	Aluminum
Service tag	Yes	Reflector material	Aluminum
Product family code	FS484F [SmartBalance FFS]	Optic material	-
Lighting Technology	LED	Optical cover material	Acrylate and polycarbonate
Value ladder	Performance	Fixation material	-
Embedded control	ActiLume	Housing Color	White
CE mark	Yes	Optical cover finish	Opal
Warranty period	5 years	Overall length	700 mm
Flammability mark	For mounting on normally flammable	Overall width	250 mm
	surfaces	Overall height	2,000 mm
ENEC mark	ENEC plus mark	Dimensions (Height x Width x Depth)	2000 x 250 x 700 mm
Glow-wire test	Temperature 650 °C, duration 30 s		
EU RoHS compliant	Yes	Approval and Application	
		Ingress protection code	IP40 [Wire-protected]
Light Technical		Mech. impact protection code	IK02 [0.2 J standard]
Luminous Flux	8,600 lm	Protection class IEC	Safety class I
Correlated Color Temperature (Nom)	4000 K		
Luminous Efficacy (rated) (Nom)	134 lm/W	Initial Performance (IEC Compliant)	
Color rendering index (CRI)	≥80	Luminous flux tolerance	+/-10%
Number of light sources	1	Initial chromaticity	(0.43, 0.40) SDCM <3
Light source color	840 neutral white	Power consumption tolerance	+/-10%
Optic type	-		
Optical cover type	Micro-lens optic	Over Time Performance (IEC Compli	ant)
Luminaire light beam spread	114°	Control gear failure rate at median useful	5 %
Unified glare rating CEN	13	life 50000 h	
		Lumen maintenance at median useful life*	L85
Operating and Electrical		50000 h	
Input Voltage	220-240 V		
Line Frequency	50 to 60 Hz	Application Conditions	
Inrush current	50 A	Performance ambient temperature Tq	25 ℃
Inrush time	2 ms	Maximum dim level	1%
Power Consumption	64 W	Suitable for random switching	Yes
Power Factor (Fraction)	0.9		
Connection	Connection unit 3-pole	Product Data	
Cable	Cable 3.0 m with Swiss plug 3-pole	Order product name	FS484F LED86S/840 PSD-T ACL CCH WH
Number of products on MCB of 16 A type	10	Full product name	FS484F LED86S/840 PSD-T ACL CCH WH
В		Full product code	871794311112100
		Order code	910504095703
Temperature		Material Nr. (12NC)	910504095703
Ambient temperature range	+10 to +40 °C	Numerator - Quantity Per Pack	1
		EAN/UPC - Product/Case	8717943111121
Controls and Dimming		Numerator - Packs per outer box	1
Dimmable	Yes	EAN/UPC - Case	8717943111121
Driver/power unit/transformer	Power supply unit with DALI touch-switch	·	
• • • • • • • • • • • • • • • • • • • •	and dimming interface		
Control interface	DALI		

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Dimensional drawing





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