PHILIPS Lighting



SmartBalance Free Floor Standing

FS484F LED45S/840 PSD-T WH

SmartBalance FFS, LED Module, system flux 4500 lm, 840 neutral 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		Remarks	*-Per Lighting Europe guidance paper
Lamp family code	LED45S [LED Module, system flux 4500 lm]	Remarks	"Evaluating performance of LED based
Cap-Base	- [-]		luminaires - January 2018": statistically there
Light source replaceable	No		is no relevant difference in lumen
Number of gear units	1 unit		maintenance between B50 and for example
Gear	-		B10. Therefore, the median useful life (B50)
Driver included	Yes		value also represents the B10 value.
		Service tag	Yes

SmartBalance Free Floor Standing

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	4,500 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	134 lm/W
Color rendering index (CRI)	≥80
Number of light sources	1
Light source color	840 neutral 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	33.5 W
Power Factor (Fraction)	0.9
Connection	Connection unit 3-pole
Cable	Cable 3.0 m with europlug connector 3-pole
Number of suchuste on MCD of 16.4 turns	10

Number of products on MCB of 16 A type 10

в

Temperature

Ambient temperature range

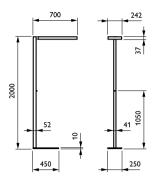
Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI touch-switch
	and dimming interface
Control interface	DALI
Constant light output	No

+10 to +40 °C

Housing Material	Aluminum	
Reflector material	Aluminum	
Optic material	-	
Optical cover material	Acrylate and polycarbonate	
ixation material	-	
ousing Color	White	
ptical cover finish	Opal	
overall length	700 mm	
Dverall width	250 mm	
Overall height	2,000 mm	
Dimensions (Height x Width x Depth)	2000 x 250 x 700 mm	
Approval and Application		
ngress protection code	IP40 [Wire-protected]	
Mech. impact protection code	IK02 [0.2 J standard]	
Protection class IEC	Safety class I	
nitial Performance (IEC Compliant)		
uminous flux tolerance	+/-10%	
nitial chromaticity	(0.43, 0.40) SDCM <3	
Power consumption tolerance	+/-10%	
Over Time Performance (IEC Compli	ant)	
Control gear failure rate at median useful		
fe 50000 h	5 /0	
umen maintenance at median useful	L85	
ife* 50000 h		
Application Conditions		
	25 ℃	
Performance ambient temperature Tq	25 °C 1%	
Performance ambient temperature Tq Maximum dim level		
Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data	1%	
Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data	1% No	
Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name	1% No FS484F LED45S/840 PSD-T WH	
Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name Full product name	1% No FS484F LED45S/840 PSD-T WH	
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SmartBalance Free Floor Standing

Dimensional drawing





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