PHILIPS Lighting



SmartBalance Free Floor Standing Gen2

FS485F 150S/940 PSD-T BSWD U WH CCH

SMARTBALANCE FFS GEN2 ROUNDED EDGES, 110 W, Power supply unit with DALI touch-switch and dimming interface, Symmetrical, 100°

Customer love free floor-standing luminaires as the ideal solution for personally controlled, flexible and comfortable lighting. Philips SmartBalance Gen2 takes free floor-standing luminaires to a whole new level with an even slimmer and smarter design, with more variants for greater flexibility. State-of-the-art lighting technology and connectivity options mean these free-standing LED luminaire are designed to increase energy efficiency. And to reduce lighting costs even further, one luminaire can be used to light two desks to the levels required for offices. Users have complete control over these stylish, free-standing luminaires via a Touch and Dim button on the pole. And thanks to a clean and compact design it blends into any interior. SmartBalance Gen2 is also designed for recyclability, making this free floor-standing LED luminaire a true 'Green choice'.

Warnings and Safety

- The product is IPXO and as such is not protected against water ingress. Therefore 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 and the product warranty will become void.

Product data

General Information		Driver included	Yes
CE mark	Yes	Flammability mark	For mounting on normally flammable
Number of gear units	2 units		surfaces

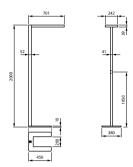
SmartBalance Free Floor Standing Gen2

Glow-wire test	Temperature 650 °C, duration 30 s	
Warranty period	5 years	
Product family code	FS485F [SMARTBALANCE FFS GEN2	
	ROUNDED EDGES]	
Lighting Technology	LED	
ENEC mark	ENEC mark	
EU RoHS compliant	Yes	
Value ladder	Performance	
Application Conditions	25.46	
Performance ambient temperature Tq	25 °C	
Suitable for random switching	Yes (relates to presence/ movement	
	detection and daylight harvesting)	
Light Technical		
Luminous Flux	15,000 lumen	
Saturated Red (R9)	>50	
Correlated Color Temperature (Nom)	4000 K	
Luminous Efficacy (rated) (Nom)	136 lm/W	
Color rendering index (CRI)	≥90	
Beam angle of light source	120 degree(s)	
Light source color	940 neutral white	
Optic type	Symmetrical	
Luminaire light beam spread	100°	
Unified glare rating CEN	19	
Operating and Electrical		
Line Frequency	50 or 60 Hz	
Input Voltage	220 to 240 V	
Inrush current	10 A	
Inrush time	35.9 ms	
Power Consumption	110 W	
Power Factor (Fraction)	0.9	
Connection	External connector	
Cable	Cord with Swiss plug 3-pole	
Number of products on MCB of 16 A type B	18	
Temperature		
Ambient temperature range	+10 to +35 °C	
Controls and Dimming		
Dimmable	Yes	
Driver/power unit/transformer	Power supply unit with DALI touch-switch	
Driver/power unit/transformer	Power supply unit with DALI touch-switch and dimming interface	
Driver/power unit/transformer Constant light output		
	and dimming interface	
	and dimming interface	

Reflector material	-	
Optic material	Polymethyl methacrylate	
Optical cover/lens material	Polymethyl methacrylate	
Fixation material	Aluminum	
Housing Color	White	
Optical cover/lens finish	Opal	
Overall length	450 mm	
Overall width	350 mm	
Overall height	2,000 mm	
Dimensions (Height x Width x Depth)	2000 x 350 x 450 mm	
Approval and Application		
Ingress protection code	IP20 [Finger-protected]	
Mech. impact protection code	IK02 [0.2 J standard]	
Sustainability rating	Lighting for circularity	
Protection class IEC	Safety class I	
Photobiological risk	Photobiological risk group 1 @ 200mm to	
	EN62471	
Initial Performance (IEC Compliant)		
Initial chromaticity	(0.380, 0.380) SDCM3	
Luminous flux tolerance	+/-10%	
Power consumption tolerance	+/-10%	
Over Time Performance (IEC Complia	nt)	
Control gear failure rate at median useful	5 %	
life 50000 h		
Control gear failure rate at median useful	10 %	
life 100000 h		
Lumen maintenance at median useful life*	L85	
50000 h		
Lumen maintenance at median useful life*	L75	
100000 h		
Product Data		
Full product code	872016958558400	
i an product code	FS485F 150S/940 PSD-T BSWD U	
Order product name		
Order product name		
	WH CCH	
Order code	WH CCH 910505102629	
Order code Numerator - Quantity Per Pack	WH CCH 910505102629 1	
Order code Numerator - Quantity Per Pack Numerator - Packs per outer box	WH CCH 910505102629 1 1	
Order code Numerator - Quantity Per Pack Numerator - Packs per outer box Material Nr. (12NC)	WH CCH 910505102629 1 1 910505102629	
Order code Numerator - Quantity Per Pack Numerator - Packs per outer box	WH CCH 910505102629 1 910505102629 FS485F 150S/940 PSD-T BSWD U	
Order code Numerator - Quantity Per Pack Numerator - Packs per outer box Material Nr. (12NC)	WH CCH 910505102629 1 1 910505102629	

SmartBalance Free Floor Standing Gen2

Dimensional drawing





© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.

www.lighting.philips.com 2023, September 4 - data subject to change