SmartBalance Free Floor Standing Gen2

FS485F 125S/940 PSD-T ACL U BK

SMARTBALANCE FFS GEN2 ROUNDED EDGES, 90 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 IPX0 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			
Light source replaceable	No	Number of gear units	2 units
CE mark	Yes	Driver included	Yes

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Flammability mark	For mounting on normally flammable surfaces
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

Performance ambient temperature Tq	25 °C
Suitable for random switching	Yes (relates to presence/ movement detection and daylight harvesting)

Light Technical

Luminous Flux	12,500 lumen
Saturated Red (R9)	>50
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	139 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	90 W
Power Factor (Fraction)	0.9
Connection	External connector
Cable	Cord with plug CEE 7 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 and dimming interface
Constant light output	No

Mechanical and Housing

Housing Material	Aluminium
Reflector material	–
Optic material	Polymethyl methacrylate
Optical cover/lens material	Polymethyl methacrylate
Fixation material	Aluminum
Housing Color	Black
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 Compliant)

Control gear failure rate at median useful life 50000 h	5 %
Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance at median useful life* 50000 h	L85
Lumen maintenance at median useful life* 100000 h	L75

Product Data

Full product code	872016958511900
Order product name	FS485F 125S/940 PSD-T ACL U BK
Order code	910505102581
Numerator – Quantity Per Pack	1
Numerator – Packs per outer box	1
Material Nr. (12NC)	910505102581
Full product name	FS485F 125S/940 PSD-T ACL U BK
EAN/UPC – Case	8720169585119

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Dimensional drawing

www.lighting.philips.com

2023, September 5 – data subject to change