# SmartBalance Free Floor Standing Gen2 

## FS485F 125S/940 PSD-T ACL U WH CCH

SMARTBALANCE FFS GEN2 ROUNDED EDGES, 90 W, Power<br>supply unit with DALI touch-switch and dimming interface, Symmetrical, $100^{\circ}$

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 |  |
| :--- | :--- |
| Light source replaceable | No |
| CE mark | Yes |


| Number of gear units | 2 units |
| :--- | :--- |
| Driver included | Yes |

## SmartBalance Free Floor Standing Gen2

| Flammability mark | For mounting on normally flammable surfaces |
| :---: | :---: |
| Glow-wire test | Temperature $650{ }^{\circ} \mathrm{C}$, 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 | $25^{\circ} \mathrm{C}$ |
| 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) | $139 \mathrm{~lm} / \mathrm{W}$ |
| Color rendering index (CRI) | $\geq 90$ |
| Beam angle of light source | 120 degree(s) |
| Light source color | 940 neutral white |
| Optic type | Symmetrical |
| Luminaire light beam spread | $100^{\circ}$ |
| 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 Swiss plug 3-pole |
| Number of products on MCB of 16 A type B | 18 |
| Temperature |  |
| Ambient temperature range | +10 to $+35^{\circ} \mathrm{C}$ |
| 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 | White |
| Optical cover/lens finish | Opal |
| Overall length | 450 mm |
| Overall width | 350 mm |
| Overall height | $2,000 \mathrm{~mm}$ |
| Dimensions (Height $\times$ Width $\times$ Depth) | $2000 \times 350 \times 450 \mathrm{~mm}$ |
| Approval and Application |  |
| Ingress protection code | IP20 [Finger-protected] |
| Mech. impact protection code | IKO2 [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 | 872016958505800 |
| Order product name | FS485F 125S/940 PSD-T ACL U WH CCH |
| Order code | 910505102575 |
| Numerator - Quantity Per Pack | 1 |
| Numerator - Packs per outer box | 1 |
| Material Nr. (12NC) | 910505102575 |
| Full product name | FS485F 125S/940 PSD-T ACL U WH CCH |
| EAN/UPC - Case | 8720169585058 |

## 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

