# Philips SmartBalance Free Floor Standing: combining performance with smart design

## SmartBalance Free Floor Standing gen2

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'.

**Benefits**
- Uniform, reflection-free illumination for the best office lighting
- One SmartBalance free floor-standing luminaire can light two desks to the levels required for offices
- Complete personal control of light at a workstation for flexibility and comfort
- Save >50% in energy costs with up to 140 lm/W
- Compact form with single slim head design (39mm) that integrates into modern interiors

# SmartBalance Free Floor Standing gen2

**Features**

· Comfortable light with personal control and separate dimming for direct and
  indirect light levels
· Choice of round or sharp-edged head shapes; U-shaped or rectangular foot
· Homogeneous illumination with high quality of light on ceiling (up to 14500 lm) to
  comply with office norms UGR<19, L65<3000cd/sm
· 3000K, 4000K, CRI>90
· Long lifetime 100,000 hours @L75
· Comes with Environment Product Declaration

**Application**

· Offices

**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.

**Versions**

**SmartBalance FFS Gen2 FS485F SPP- WH- U foot**

**SmartBalance FFS Gen2 FS485F SPP- WH- REC foot**

**SmartBalance FFS Gen2 FS485F SPP- WH- REC foot**

**SmartBalance FFS Gen2 FS485F SPP- WH- U foot with Sensor**

# SmartBalance Free Floor Standing gen2

## Dimensional drawing



## Product details



**SmartBalance FFS Gen2_FS486F–sensor_DPP-WH**



**SmartBalance FFS Gen2 FS485F Head DPP– WH with sensor**



**SmartBalance FFS Gen2 FS486F SPP– SI– REC foot with sensor**



**SmartBalance FFS Gen2 FS485F Head DPP– SI**



**SmartBalance FFS Gen2_Head pole Detail– WH**

# SmartBalance Free Floor Standing gen2

## Product details



**SmartBalance FFS Gen2 FS486F Head DPP- BK with sensor**



**SmartBalance FFS Gen2_ BSWD DPP01**



**SmartBalance FFS Gen2 FS486F Head DPP- SI**



**SmartBalance FFS Gen2_FS486F-sensor_DPP-SI**



**SmartBalance FFS Gen2_FS486F-BACK-SL_DPP**



**SmartBalance FFS Gen2_Head pole Detail- BK**



**SmartBalance FFS Gen2 FS485F Head DPP- BK**



**SmartBalance FFS Gen2 FS486F SPP- BK- U foot**
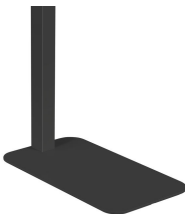
SmartBalance Free Floor Standing gen2

# SmartBalance Free Floor Standing gen2

## Product details



**SmartBalance FFS Gen2 FS486F Head DPP– BK**


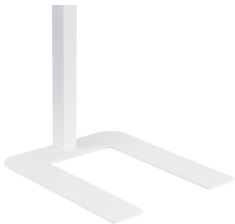
**SmartBalance FFS Gen2_ BSWD DPP03**



**SmartBalance FFS Gen2 FS486F Head DPP– WH**


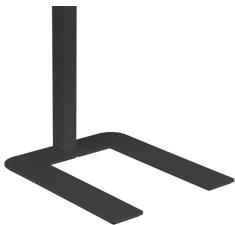
**SmartBalance FFS Gen2_REC foot BK– DPP**



**SmartBalance FFS Gen2_FS486F-BACK-BK_DPP**



**SmartBalance FFS Gen2_U foot WH– DPP**



**SmartBalance FFS Gen2_REC foot SI– DPP**



**SmartBalance FFS Gen2_U foot BK– DPP**



**SmartBalance FFS Gen2_REC foot WH– DPP**

**SmartBalance Free Floor Standing gen2**

# SmartBalance Free Floor Standing gen2

## Product details



**SmartBalance FFS Gen2_FS486F-sensor_DPP-BK**



**SmartBalance FFS Gen2 FS486F Head DPP- WH with sensor**
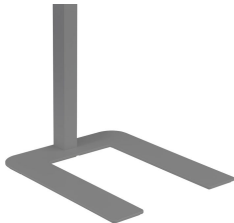


**SmartBalance FFS Gen2_Head pole Detail- SI**



**SmartBalance FFS Gen2_FS486F-BACK_DPP**



**SmartBalance FFS Gen2 FS486F Head DPP- SI with sensor**



**SmartBalance FFS Gen2_ BSWD DPP02**



**SmartBalance FFS Gen2_U foot SI-DPP**

## SmartBalance Free Floor Standing gen2

# SmartBalance Free Floor Standing gen2

## Product details

**SmartBalance FFS Gen2 FS485F Head DPP– WH**

**SmartBalance FFS Gen2_ BSWD DPP04**

# SmartBalance Free Floor Standing gen2

## General Information

| | |
|---|---|
| Driver included | Yes |
| Number of gear units | 2 units |
| Service tag | Yes |

## Light Technical

| | |
|---|---|
| Beam angle of light source | 120 degree(s) |
| Color rendering index (CRI) | >90 |
| Optic type | Symmetrical |

## Operating and Electrical

| | |
|---|---|
| Protection class IEC | Safety class I |
| Input Voltage | 220 to 240 V |
| Line Frequency | 50 or 60 Hz |
| Suitable for random switching | Yes (relates to presence/ movement detection and daylight harvesting) |

## Controls and Dimming

| | |
|---|---|
| Dimmable | Yes |

## Mechanical and Housing

| | |
|---|---|
| Housing Color | White |
| Mech. impact protection code | IK02 |
| Ingress protection code | IP20 |

## Approval and Application

| | |
|---|---|
| Ambient temperature range | +10 to +35 °C |
| CE mark | Yes |
| ENEC mark | ENEC mark |
| Flammability mark | For mounting on normally flammable surfaces |
| Glow-wire test | Temperature 650 °C, duration 30 s |

## Initial Performance (IEC Compliant)

| | |
|---|---|
| Luminous flux tolerance | +/-10% |

## Product Data

| | |
|---|---|
| Product family code | FS485F |

## General Information

| Order Code | Full Product Name | Light source replaceable |
|---|---|---|
| 58502700 | FS485F 150S/930 PSD-T BSWD U WH | No |
| 58503400 | | No |
| 01119900 | FS485F 125S/940 PSD-T BSWD REC WH | No |
| 58568300 | FS485F 125S/940 PSD-T ACL U WH | – |

## Light Technical

| Order Code | Full Product Name | Correlated Color Temperature (Nom) | Luminous Efficacy (rated) (Nom) | Luminous Flux |
|---|---|---|---|---|
| 58502700 | FS485F 150S/930 PSD-T BSWD U WH | 3000 K | 127 lm/W | 15,000 lm |

| Order Code | Full Product Name | Correlated Color Temperature (Nom) | Luminous Efficacy (rated) (Nom) | Luminous Flux |
|---|---|---|---|---|
| 58503400 | | 4000 K | 139 lm/W | 12,500 lm |

# SmartBalance Free Floor Standing gen2

| Order Code | Full Product Name | Correlated Color Temperature (Nom) | Luminous Efficacy (rated) (Nom) | Luminous Flux |
|---|---|---|---|---|
| 01119900 | FS485F 125S/940 PSD-T BSWD REC WH | 4000 K | 139 lm/W | 12,500 lm |

| Order Code | Full Product Name | Correlated Color Temperature (Nom) | Luminous Efficacy (rated) (Nom) | Luminous Flux |
|---|---|---|---|---|
| 58568300 | FS485F 125S/940 PSD-T ACL U WH | 4000 K | 139 lm/W | 12,500 lm |

## Operating and Electrical

| Order Code | Full Product Name | Power Consumption |
|---|---|---|
| 58502700 | FS485F 150S/930 PSD-T BSWD U WH | 118 W |
| 58503400 | | 90 W |

| Order Code | Full Product Name | Power Consumption |
|---|---|---|
| 01119900 | FS485F 125S/940 PSD-T BSWD REC WH | 90 W |
| 58568300 | FS485F 125S/940 PSD-T ACL U WH | 90 W |

## Controls and Dimming

| Order Code | Full Product Name | Embedded control |
|---|---|---|
| 58502700 | FS485F 150S/930 PSD-T BSWD U WH | – |
| 58503400 | | ActiLume |

| Order Code | Full Product Name | Embedded control |
|---|---|---|
| 01119900 | FS485F 125S/940 PSD-T BSWD REC WH | – |
| 58568300 | FS485F 125S/940 PSD-T ACL U WH | ActiLume |

## Initial Performance (IEC Compliant)

| Order Code | Full Product Name | Initial chromaticity |
|---|---|---|
| 58502700 | FS485F 150S/930 PSD-T BSWD U WH | (0.434, 0.404) SDCM3 |
| 58503400 | | (0.380, 0.380) SDCM3 |

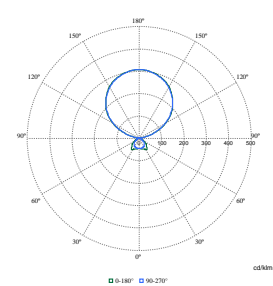| Order Code | Full Product Name | Initial chromaticity |
|---|---|---|
| 01119900 | FS485F 125S/940 PSD-T BSWD REC WH | (0.380, 0.380) SDCM3 |
| 58568300 | FS485F 125S/940 PSD-T ACL U WH | (0.380, 0.380) SDCM3 |

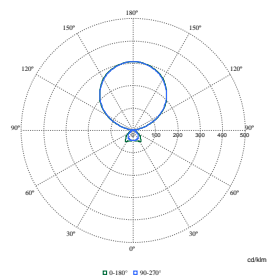## Polar Wide Diagrams
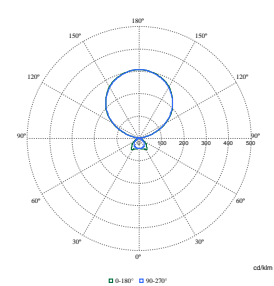


**Polar Normal (separate) – FS485FI – 910505102569**
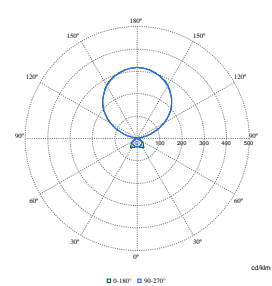


**Polar Normal (separate) – FS485FI – 910505102572**



**Polar Normal (separate) – FS485FI – 910505102573**

**Polar Wide Diagrams**



**Polar Normal (separate) – FS485FI –**
**910505102639**