



# SmartBalance Free Floor Standing gen2

**FS486F 125S/940 PSD-T ACL U WH**

SmartBalance Free Floor Standing gen2, Sharp edge, U-shaped base, 90 W, H2000 mm, 12500 lm, 4000 K, CRI>90, DALI, UGR19, White, ACL

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		Service tag	
Number of gear units	2 units	Lighting Technology	LED
Driver included	Yes	Value ladder	Performance

## SmartBalance Free Floor Standing gen2

<b>Serviceability class</b>	Class B, luminaire is equipped with some serviceable parts (when applicable): driver, control units, surge protection device, front cover and mechanical parts
<b>Warranty period</b>	5 years
<b>Sustainability rating</b>	Unclassified

### Light Technical

<b>Luminous Flux</b>	12,500 lm
<b>Saturated Red (R9)</b>	>50
<b>Correlated Color Temperature (Nom)</b>	4000 K
<b>Luminous Efficacy (rated) (Nom)</b>	139 lm/W
<b>Color rendering index (CRI)</b>	>90
<b>Beam angle of light source</b>	120 degree(s)
<b>Light source color</b>	940 neutral white
<b>Optic type</b>	Symmetrical
<b>Luminaire light beam spread</b>	100°
<b>Unified glare rating CEN</b>	19

### Operating and Electrical

<b>Input Voltage</b>	220 to 240 V
<b>Line Frequency</b>	50 or 60 Hz
<b>Inrush current</b>	10 A
<b>Inrush time</b>	35.9 ms
<b>Power Consumption</b>	90 W
<b>Power Factor (Fraction)</b>	0.9
<b>Connection</b>	External connector
<b>Cable</b>	Cord with plug CEE 7 3-pole
<b>Number of products on MCB of 16 A type B</b>	18
<b>Suitable for random switching</b>	Yes (relates to presence/ movement detection and daylight harvesting)
<b>Protection class IEC</b>	Safety class I

### Controls and Dimming

<b>Dimmable</b>	Yes
<b>Driver/power unit/transformer</b>	Power supply unit with DALI touch-switch and dimming interface
<b>Control interface</b>	DALI
<b>Constant light output</b>	No
<b>DALI Standard</b>	DALI-2™
<b>Embedded control</b>	ActiLume

### Mechanical and Housing

<b>Housing Material</b>	Aluminium
<b>Reflector material</b>	-
<b>Optic material</b>	Polymethyl methacrylate
<b>Optical cover material</b>	Polymethyl methacrylate
<b>Fixation material</b>	Aluminum
<b>Housing Color</b>	White
<b>Optical cover finish</b>	Opal

<b>Overall length</b>	700 mm
<b>Overall width</b>	380 mm
<b>Overall height</b>	2,000 mm
<b>Dimensions (Height x Width x Depth)</b>	2000 x 380 x 700 mm
<b>Ingress protection code</b>	IP20 [Finger-protected]
<b>Mech. impact protection code</b>	IK02 [0.2 J standard]
<b>Net Weight (Piece)</b>	15.500 kg

### Approval and Application

<b>Glow-wire test</b>	Temperature 650 °C, duration 30 s
<b>Flammability mark</b>	For mounting on normally flammable surfaces
<b>CE mark</b>	Yes
<b>ENEC mark</b>	ENEC mark
<b>Photobiological risk</b>	Photobiological risk group 1 @ 200mm to EN62471
<b>EU RoHS compliant</b>	Yes
<b>Performance ambient temperature Tq</b>	25 °C
<b>Ambient temperature range</b>	+10 to +35 °C

### Initial Performance (IEC Compliant)

<b>Luminous flux tolerance</b>	+/-10%
<b>Initial chromaticity</b>	(0.380, 0.380) SDCM3
<b>Power consumption tolerance</b>	+/-10%

### Over Time Performance (IEC Compliant)

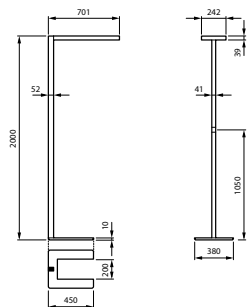
<b>Control gear failure rate at median useful life 50000 h</b>	5 %
<b>Control gear failure rate at median useful life 100000 h</b>	10 %
<b>Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h</b>	L85
<b>Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h</b>	L75

### Product Data

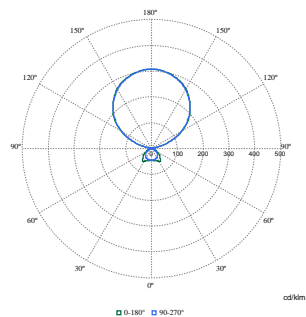
<b>Order product name</b>	FS486F 125S/940 PSD-T ACL U WH
<b>Full product name</b>	FS486F 125S/940 PSD-T ACL U WH
<b>Full product code</b>	872016958570600
<b>Order code</b>	910505102641
<b>Material Nr. (12NC)</b>	910505102641
<b>Numerator - Quantity Per Pack</b>	1
<b>EAN/UPC - Product/Case</b>	8720169585706
<b>Numerator - Packs per outer box</b>	1
<b>EAN/UPC - Case</b>	8720169585706
<b>Product family code</b>	FS486F [SMARTBALANCE FFS GEN2 SHARP EDGES]

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## Dimensional drawing



## Photometric data



Polar Normal (separate) - FS485FI - 910505102641

