



SmartBalance Free Floor Standing – combining performance with smart design

SmartBalance Free Floor Standing

Free floor-standing luminaires are loved by customers as the ideal solution for personally controlled, flexible and comfortable lighting. SmartBalance is the next step in free floor-standing luminaires. Thanks to the application of state-of-the-art LED technology, it offers not only increased energy efficiency, but also a compact and clean design that blends into any environment. SmartBalance is also available in recessed, surface-mounted and suspended versions.

Benefits

- One luminaire can light two desks to the levels required for offices
- Energy efficacy of over 100 lm/W, allowing energy cost savings of over 50%
- Compact form (the head is only 37 mm high) with a soft and clean design

Features

- Comfortable LED lighting that can be personally controlled
- More energy-efficient than similar conventional solutions – operational cost savings
- Attractive, unobtrusive design

Application

- Indoor general lighting

Specifications

SmartBalance Free Floor Standing

Type	FS484F
Light source	Philips Fortimo LED Line 1R
Power (+/-10%)	90 W (LED125S version for standalone lighting applications, 4000 K) 63 W (LED86S version for standalone lighting applications, 4000 K) 33.5 W (LED45S version for supporting lighting applications, 4000 K)
Beam angle	102°
Luminous flux	12,500 lm (LED125S, 4000 K) 8600 lm (LED86S, 4000 K) 4500 lm (LED45S, 4000 K)
Correlated Color	3000 or 4000 K
Temperature	
Color Rendering Index	≥ 80
Lumen maintenance at median useful life*	L85
50000 h	
Control gear failure rate at median useful life	5%
50000 h	

Performance Ambient	+25 °C
Temperature Tq	
Operating temperature range	+10 to +40 °C
Driver	Built-in
Mains voltage	220-240 V / 50-60 Hz
Dimming	Dimmable via touch button
Options	Dimming of direct and indirect light separately (SW) Swiss power plug (CCH)
Material	Head and pole: lacquered aluminum Base: lacquered steel
Color	White (WH) comparable to RAL9003 Other colors available on request
Optic	Micro-lens optic, clear acrylate (ACC-MLO)
Connection	Cable, length 250 cm, with plug CEE7 (CCE)
Installation	Luminaire comes pre-wired with a mains plug

Versions



SmartBalance FS484F free floor-standing luminaire with separate switching



SmartBalance FS484F free floor-standing luminaire with ActiLume

Product details



SmartBalance FS484F free floor-standing luminaire



Touch button for switching and dimming

SmartBalance Free Floor Standing

Product details



LED modules for indirect light



SmartBalance-FS484F_GR-DP03.tif



SmartBalance-FS484F_GR-DP04.tif



SmartBalance-FS484F_GR-DP05.tif



SmartBalance-FS484F_WH-DP06.tif



SmartBalance-FS484F_WH-DP07.tif

SmartBalance Free Floor Standing

Product details



SmartBalance-FS484F_WH-DPO8.tif



All versions are equipped with an acrylate micro-lens optic



Luminaire base



Connection between luminaire head and pole



SmartBalance FS484F free floor-standing luminaire with ActiLume



The ActiLume luminaire-based sensor enables daylight regulation and dimming when no presence is detected



SmartBalance FS484F free floor-standing luminaire with separate switching



Touch buttons for separate switching and dimming

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Application Conditions

Ambient temperature range	+10 to +40 °C
Maximum dim level	1%

Approval and Application

Mech. impact protection code	IK02
Ingress protection code	IP40

Controls and Dimming

Dimmable	Yes
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Operating and Electrical

Input Voltage	220-240 V
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General Information

Cap-Base	-
CE mark	CE mark
Protection class IEC	Safety class I (I)
Optical cover/lens type	MLO
Driver included	Yes
ENEC mark	ENEC plus mark
Flammability mark	F
Glow-wire test	650/30
Light source replaceable	No
Number of light sources	1
Optic type	No
Product Family Code	FS484F

Initial Performance (IEC Compliant)

Initial chromaticity	(0.43, 0.40) SDCM <3
Init. Color Rendering Index	≥80
Luminous flux tolerance	+/-10%

Mechanical and Housing

Color	White
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Application Conditions

Order Code	Full Product Name	Suitable for random switching
27374500	FS484F LED45S/840 PSD-T WH	No
27378300	FS484F LED45S/830 PSD-T WH	No
10492500	FS484F LED125S/840 PSD-T SW WH	No
11080300	FS484F LED120S/830 PSD-T SW WH	No
27375200	FS484F LED45S/840 PSD-T ACL WH	Yes (relates to presence/ movement detection and daylight harvesting)
27379000	FS484F LED45S/830 PSD-T ACL WH	Yes (relates to presence/ movement detection and daylight harvesting)
10539700	FS484F LED125S/840 PSD-T ACL WH	Yes (relates to presence/ movement detection and daylight harvesting)
11112100	FS484F LED86S/840 PSD-T ACL CCH WH	Yes (relates to presence/ movement detection and daylight harvesting)

General Information (1/2)

Order Code	Full Product Name	Gear	Lamp		Number of gear units
			family code	Embedded control	
27374500	FS484F LED45S/840 PSD-T WH	-	LED45S	No	1 unit
27378300	FS484F LED45S/830 PSD-T WH	-	LED45S	No	1 unit
10492500	FS484F LED125S/840 PSD-T SW WH	-	LED125S	No	2 units
11080300	FS484F LED120S/830 PSD-T SW WH	-	LED120S	No	2 units

Order Code	Full Product Name	Gear	Lamp		Number of gear units
			family code	Embedded control	
27375200	FS484F LED45S/840 PSD-T ACL WH	-	LED45S	ACL	1 unit
27379000	FS484F LED45S/830 PSD-T ACL WH	-	LED45S	ACL	1 unit
10539700	FS484F LED125S/840 PSD-T ACL WH	-	LED125S	ACL	2 units
11112100	FS484F LED86S/840 PSD-T ACL CCH WH	-	LED86S	ACL	2 units

General Information (2/2)

SmartBalance Free Floor Standing

Order Code	Full Product Name	UL mark
27374500	FS484F LED45S/840 PSD-T WH	-
27378300	FS484F LED45S/830 PSD-T WH	-
10492500	FS484F LED125S/840 PSD-T SW WH	-
11080300	FS484F LED120S/830 PSD-T SW WH	-

Order Code	Full Product Name	UL mark
27375200	FS484F LED45S/840 PSD-T ACL WH	-
27379000	FS484F LED45S/830 PSD-T ACL WH	-
10539700	FS484F LED125S/840 PSD-T ACL WH	-
1112100	FS484F LED86S/840 PSD-T ACL CCH WH	-

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Init. Corr. Color Temperature	Initial LED luminaire efficacy	Initial luminous flux	Initial input power
27374500	FS484F LED45S/840 PSD-T WH	4000 K	134 lm/W	4500 lm	33.5 W
27378300	FS484F LED45S/830 PSD-T WH	3000 K	127 lm/W	4500 lm	35.4 W
10492500	FS484F LED125S/840 PSD-T SW WH	4000 K	139 lm/W	12500 lm	90 W
11080300	FS484F LED120S/830 PSD-T SW WH	3000 K	133 lm/W	12000 lm	90 W
27375200	FS484F LED45S/840 PSD-T ACL WH	4000 K	130 lm/W	4500 lm	34.5 W

Order Code	Full Product Name	Init. Corr. Color Temperature	Initial LED luminaire efficacy	Initial luminous flux	Initial input power
27379000	FS484F LED45S/830 PSD-T ACL WH	3000 K	124 lm/W	4500 lm	36.4 W
10539700	FS484F LED125S/840 PSD-T ACL WH	4000 K	137 lm/W	12500 lm	91 W
1112100	FS484F LED86S/840 PSD-T ACL CCH WH	4000 K	134 lm/W	8600 lm	64 W

