PHILIPS Lighting



SmartBalance Free Floor Standing

FS484F LED125S/840 PSD-T ACL CCH WH

SmartBalance FFS, LED module, system flux 12500 lm, 840 neutral white, Power supply unit with DALI touch-switch and dimming interface, Micro-lens optic, ActiLume, Cable 3.0 m with Swiss plug 3-pole, White

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.

Warnings and Safety

- The product is IPXO & as such is not protected against water ingress & as such 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 & product warranty will become void

Product data

| General Information | | Driver included | Yes |
|--------------------------|--|-----------------|---|
| Lamp family code | LED125S [LED module, system flux 12500 lm] | Remarks | *-Per Lighting Europe guidance paper |
| Cap-Base | - [-] | | "Evaluating performance of LED based |
| Light source replaceable | No | | luminaires - January 2018": statistically there |
| Number of gear units | 2 units | | is no relevant difference in lumen |
| Gear | - | | maintenance between B50 and for example |

SmartBalance Free Floor Standing

| value also represents the B10 value.rvice tagYesoduct family codeFS484F [SmartBalance FFS]ghting TechnologyLEDtue ladderPerformancenbedded controlActiLumeE markYesarranty period5 yearsarranty period5 yearsarmability markFor mounting on normally flammable surfacesEEC markENEC plus markow-wire testTemperature 650 °C, duration 30 sJ PoHS compliantYesght TechnicalYesminous Flux12,500 lmminous Flux12,500 lmorrelated Color Temperature (Nom)4000 Kwior rendering index (CRI)280ablo sources1ght source color840 neutral whitetict type-vitical cover typeMicro-lens opticminaire light beam spread14*uiffed glare rating CEN13perating and Electrical20 to 240 Vrush current50 Arush time2 mswer Consumption91 Wwer Factor (Fraction)0.9wer Factor (Fraction)0.9wer Factor (Fraction)0.9wer Factor (Fraction)0.9wer Forducts on MCE of 16 A type10 | | | |
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| out of amily code FS484F [SmartBalance FFS] ghting Technology LED situe ladder Performance nbedded control ActiLume :: mark Yes arranty period 5 years ammability mark For mounting on normally flammable surfaces EEC mark ENEC plus mark ow-wire test Temperature 650 °C, duration 30 s J RoHS compliant Yes ght Technical 12,500 lm minous Flux 12,500 lm minous Flux 12,500 lm ow-reiteted Color Temperature (Nom) 4000 K minous Efficacy (rated) (Nom) 137 lm/W stor rendering index (CRI) >80 amber of light sources 1 ght source color 840 neutral white otict type - otict dover type Micro-lens optic minaire light beam spread 114° nush current 50 A rush current 50 A rush current 50 A rush time 2 ms ower Consumption 91 W ower Factor (Fraction) | | value also represents the B10 value. | |
| ghting TechnologyLEDitue ladderPerformanceinbedded controlActiLumeimarkYesarranty period5 yearsammability markFor mounting on normally flammable surfacesIEC markENEC plus markow-wire testTemperature 650 °C, duration 30 sJ RoHS compliantYesght Technical12,500 lmminous Flux12,500 lmorrelated Color Temperature (Nom)4000 Kminous Efficacy (rated) (Nom)137 lm/Wobs rendering index (CRI)≥80amber of light sources1ght source color840 neutral whiteotict type-otict degree220 to 240 Vminaire light beam spread114°infied glare rating CEN13perating and Electrical220 to 240 Vmush time2 msower Consumption91 Wower Factor (Fraction)0.9onnectionConnection unit 3-poleubleCable 3.0 m with Swiss plug 3-pole | Service tag | Yes | |
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| ammability markFor mounting on normally flammable surfacesHEC markENEC plus markow-wire testTemperature 650 °C, duration 30 sJ ROHS compliantYesght Technical12,500 lmminous Flux12,500 lmorrelated Color Temperature (Nom)4000 Kminous Efficacy (rated) (Nom)137 lm/Wobler rendering index (CRI)≥80amber of light sources1ght source color840 neutral whiteotical cover typeMicro-lens opticminaire light beam spread114°otified glare rating CEN13operating and Electrical220 to 240 Vperating and Electrical220 to 60 Hzput Voltage220 to 60 Hzrush time2 msower Consumption91 Wower Factor (Fraction)0.9onnectionConnection unit 3-poleubleCable 3.0 m with Swiss plug 3-pole | CE mark | Yes | |
| surfacesHEC markENEC plus markow-wire testTemperature 650 °C, duration 30 sJ ROHS compliantYesght TechnicalIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII | Warranty period | 5 years | |
| IEC mark ENEC plus mark ow-wire test Temperature 650 °C, duration 30 s J ROHS compliant Yes ght Technical IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII | Flammability mark | For mounting on normally flammable | |
| ow-wire testTemperature 650 °C, duration 30 sJ RoHS compliantYesght Technical12,500 lmminous Flux12,500 lmprelated Color Temperature (Nom)4000 Kminous Efficacy (rated) (Nom)137 lm/Wplor rendering index (CRI)≥80umber of light sources1ght source color840 neutral whitepotic type-potic dover typeMicro-lens opticminaire light beam spread114°infied glare rating CEN13perating and Electrical220 to 240 Vput Voltage220 to 240 Vne Frequency50 to 60 Hzrush time2 mspower Consumption91 Wower Factor (Fraction)0.9onnectionConnection unit 3-poleumber of products on MCB of 16 A type10 | | surfaces | |
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| ght Technical iminous Flux 12,500 lm prelated Color Temperature (Nom) 4000 K iminous Efficacy (rated) (Nom) 137 lm/W plot rendering index (CRI) >80 imber of light sources 1 ght source color 840 neutral white potic type - potical cover type Micro-lens optic infied glare rating CEN 13 perating and Electrical 13 pot Voltage 220 to 240 V ne Frequency 50 to 60 Hz rush current 50 A rush time 2 ms ower Consumption 91 W ower Factor (Fraction) 0.9 onnection Connection unit 3-pole unber of products on MCB of 16 A type 10 | Glow-wire test | Temperature 650 °C, duration 30 s | |
| minous Flux 12,500 lm prrelated Color Temperature (Nom) 4000 K minous Efficacy (rated) (Nom) 137 lm/W observed to rendering index (CRI) ≥80 amber of light sources 1 ght source color 840 neutral white obtic type - obtic type - obtic dover type Micro-lens optic minaire light beam spread 114° offied glare rating CEN 13 operating and Electrical 220 to 240 V per Frequency 50 to 60 Hz rush current 50 A rush time 2 ms ower Consumption 91 W ower Factor (Fraction) 0.9 onnection Connection unit 3-pole table Cable 3.0 m with Swiss plug 3-pole | EU RoHS compliant | Yes | |
| minous Flux 12,500 lm prrelated Color Temperature (Nom) 4000 K minous Efficacy (rated) (Nom) 137 lm/W observed to rendering index (CRI) ≥80 amber of light sources 1 ght source color 840 neutral white obtic type - obtic type - obtic dover type Micro-lens optic minaire light beam spread 114° offied glare rating CEN 13 operating and Electrical 220 to 240 V per Frequency 50 to 60 Hz rush current 50 A rush time 2 ms ower Consumption 91 W ower Factor (Fraction) 0.9 onnection Connection unit 3-pole table Cable 3.0 m with Swiss plug 3-pole | | | |
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| minous Efficacy (rated) (Nom) 137 lm/W plor rendering index (CRI) ≥80 umber of light sources 1 ght source color 840 neutral white poticit type - potical cover type Micro-lens optic minaire light beam spread 114° nified glare rating CEN 13 perating and Electrical - put Voltage 220 to 240 V respective for 60 Hz - rush time 2 ms power Consumption 91 W ower Factor (Fraction) 0.9 owner to products on MCB of 16 A type 10 | Luminous Flux | 12,500 lm | |
| Alor rendering index (CRI) ≥80 amber of light sources 1 ght source color 840 neutral white patient source color 840 neutral white potic type - potical cover type Micro-lens optic minaire light beam spread 114° nified glare rating CEN 13 perating and Electrical - put Voltage 220 to 240 V ne Frequency 50 to 60 Hz rush current 50 A sower Consumption 91 W wer Factor (Fraction) 0.9 onnection Connection unit 3-pole table Cable 3.0 m with Swiss plug 3-pole | Correlated Color Temperature (Nom) | 4000 K | |
| amber of light sources 1 ght source color 840 neutral white otic type - otical cover type Micro-lens optic infied glare rating CEN 13 operating and Electrical 220 to 240 V put Voltage 220 to 60 Hz rush current 50 A rush time 2 ms ower Factor (Fraction) 0.9 onnection Connection unit 3-pole table Cable 3.0 m with Swiss plug 3-pole | Luminous Efficacy (rated) (Nom) | 137 lm/W | |
| ght source color 840 neutral white patic type - potical cover type Micro-lens optic minaire light beam spread 114° aified glare rating CEN 13 perating and Electrical 220 to 240 V put Voltage 220 to 60 Hz rush current 50 A rush time 2 ms ower Consumption 91 W ower Factor (Fraction) 0.9 onnection Connection unit 3-pole table Cable 3.0 m with Swiss plug 3-pole | Color rendering index (CRI) | ≥80 | |
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| bitical cover typeMicro-lens opticminaire light beam spread114°ified glare rating CEN13perating and Electrical220 to 240 Vput Voltage220 to 60 Hzrush current50 Asower Consumption91 Wower Factor (Fraction)0.9onnectionConnection unit 3-poletubleCable 3.0 m with Swiss plug 3-poleumber of products on MCB of 16 A type10 | Light source color | 840 neutral white | |
| minaire light beam spread114°infied glare rating CEN13perating and Electricalput Voltage220 to 240 Vput Voltage50 to 60 Hzrush current50 Arush time2 mspower Consumption91 Wpower Factor (Fraction)0.9ponnectionConnection unit 3-poletibleCable 3.0 m with Swiss plug 3-poleumber of products on MCB of 16 A type10 | Optic type | - | |
| ified glare rating CEN 13 perating and Electrical put Voltage 220 to 240 V ne Frequency 50 to 60 Hz rush current 50 A rush time 2 ms wer Consumption 91 W wer Factor (Fraction) 0.9 menection Connection unit 3-pole table Cable 3.0 m with Swiss plug 3-pole | Optical cover type | Micro-lens optic | |
| perating and Electrical put Voltage 220 to 240 V ne Frequency 50 to 60 Hz rush current 50 A rush time 2 ms ower Consumption 91 W ower Factor (Fraction) 0.9 onnection Connection unit 3-pole table Cable 3.0 m with Swiss plug 3-pole umber of products on MCB of 16 A type 10 | Luminaire light beam spread | 114° | |
| put Voltage220 to 240 Vne Frequency50 to 60 Hzrush current50 Arush time2 msower Consumption91 Wower Factor (Fraction)0.9onnectionConnection unit 3-poleubleCable 3.0 m with Swiss plug 3-poleumber of products on MCB of 16 A type10 | Unified glare rating CEN | 13 | |
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| he Frequency 50 to 60 Hz rush current 50 A rush time 2 ms ower Consumption 91 W ower Factor (Fraction) 0.9 onnection Connection unit 3-pole table Cable 3.0 m with Swiss plug 3-pole | Operating and Electrical | | |
| rush current 50 A rush time 2 ms ower Consumption 91 W ower Factor (Fraction) 0.9 onnection Connection unit 3-pole able Cable 3.0 m with Swiss plug 3-pole amber of products on MCB of 16 A type 10 | Input Voltage | 220 to 240 V | |
| rush time 2 ms ower Consumption 91 W ower Factor (Fraction) 0.9 onnection Connection unit 3-pole oble Cable 3.0 m with Swiss plug 3-pole umber of products on MCB of 16 A type 10 | Line Frequency | 50 to 60 Hz | |
| wer Consumption 91 W ower Factor (Fraction) 0.9 onnection Connection unit 3-pole oble Cable 3.0 m with Swiss plug 3-pole | Inrush current | 50 A | |
| wer Factor (Fraction) 0.9 wnnection Connection unit 3-pole uble Cable 3.0 m with Swiss plug 3-pole umber of products on MCB of 16 A type 10 | Inrush time | 2 ms | |
| Connection Connection unit 3-pole able Cable 3.0 m with Swiss plug 3-pole amber of products on MCB of 16 A type 10 | Power Consumption | 91 W | |
| ble Cable 3.0 m with Swiss plug 3-pole umber of products on MCB of 16 A type 10 | Power Factor (Fraction) | 0.9 | |
| umber of products on MCB of 16 A type 10 | Connection | Connection unit 3-pole | |
| | Cable | Cable 3.0 m with Swiss plug 3-pole | |
| emperature | Number of products on MCB of 16 A type | 10 | |
| emperature | В | | |
| emperature | | | |
| • | Temperature | | |
| mbient temperature range+10 to +40 °C | Ambient temperature range | +10 to +40 °C | |
| anticale and Direction | Controls and Direct | | |
| | Controls and Dimming | | |
| | Dimmable | | |
| | Driver/power unit/transformer | Power supply unit with DALI touch-switch | |
| and dimming interface | | | |
| ontrol interface DALI | | DALL | |

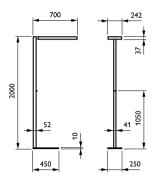
No

| Mechanical and Housing | |
|--|-------------------------------------|
| Housing Material | Aluminum |
| Reflector material | Aluminum |
| Optic material | - |
| Optical cover material | Acrylate and polycarbonate |
| Fixation material | - |
| Housing Color | White |
| Optical cover finish | Opal |
| Overall length | 700 mm |
| Overall width | 250 mm |
| Overall height | 2,000 mm |
| Dimensions (Height x Width x Depth) | 2000 x 250 x 700 mm |
| | |
| Approval and Application | |
| Ingress protection code | IP40 [Wire-protected] |
| Mech. impact protection code | IK02 [0.2 J standard] |
| Protection class IEC | Safety class I |
| | |
| Initial Performance (IEC Compliant) | |
| Luminous flux tolerance | +/-10% |
| Initial chromaticity | (0.43, 0.40) SDCM <3 |
| Power consumption tolerance | +/-10% |
| | |
| Over Time Performance (IEC Complia | ant) |
| Control gear failure rate at median useful | 5% |
| life 50000 h | |
| Lumen maintenance at median useful life* | L85 |
| 50000 h | |
| | |
| Application Conditions | |
| Performance ambient temperature Tq | 25 °C |
| Maximum dim level | 1% |
| Suitable for random switching | Yes |
| | |
| Product Data | |
| Order product name | FS484F LED125S/840 PSD-T ACL CCH WH |
| Full product name | FS484F LED125S/840 PSD-T ACL CCH WH |
| Full product code | 871794311110700 |
| Order code | 910504095503 |
| Material Nr. (12NC) | 910504095503 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8717943111107 |
| - | |
| Numerator - Packs per outer box | 1 |

Constant light output

SmartBalance Free Floor Standing

Dimensional drawing





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