



# SmartBalance Free Floor Standing

## FS484F LED125S/840 PSD-T SW 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, 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 IPX0 & 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      |  |  |                           |
|--------------------------|--|--|---------------------------|
| Lamp family code         | LED125S [LED module, system flux 12500 lm]                                   | luminaires - January 2018": statistically there is no relevant difference in lumen maintenance between B50 and for example B10. Therefore, the median useful life (B50) value also represents the B10 value. |                           |
| Cap-Base                 | - [-]  |  |                           |
| Light source replaceable | No   |  |                           |
| Number of gear units     | 2 units  |  |                           |
| Driver included          | Yes  |  |                           |
| Remarks                  | *-Per Lighting Europe guidance paper<br>"Evaluating performance of LED based | Service tag  | Yes                       |
|                          |  | Product family code  | FS484F [SmartBalance FFS] |
|                          |  | Lighting Technology  | LED                       |

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|                   |   |
|-------------------|---|
| Value ladder      | Performance                                 |
| Embedded control  | -   |
| CE mark           | Yes   |
| Warranty period   | 5 years                                     |
| Flammability mark | For mounting on normally flammable surfaces |
| ENEC mark         | ENEC plus mark                              |
| Glow-wire test    | Temperature 650 °C, duration 30 s           |
| EU RoHS compliant | Yes   |

### Light Technical

|                                    |                   |
|------------------------------------|-------------------|
| Luminous Flux                      | 12,500 lm         |
| Correlated Color Temperature (Nom) | 4000 K            |
| Luminous Efficacy (rated) (Nom)    | 139 lm/W          |
| Color rendering index (CRI)        | ≥80               |
| Number of light sources            | 1                 |
| Light source color                 | 840 neutral white |
| Optic type                         | -                 |
| Optical cover type                 | Micro-lens optic  |
| Luminaire light beam spread        | 114°              |
| Unified glare rating CEN           | 13                |

### Operating and Electrical

|  |  |
|--|--|
| Input Voltage                            | 220-240 V                                  |
| Line Frequency                           | 50 to 60 Hz                                |
| Inrush current                           | 50 A                                       |
| Inrush time                              | 2 ms                                       |
| Power Consumption                        | 90 W                                       |
| Power Factor (Fraction)                  | 0.9  |
| Connection                               | Connection unit 3-pole                     |
| Cable                                    | Cable 3.0 m with europlug connector 3-pole |
| Number of products on MCB of 16 A type B | 10   |

### Temperature

|                           |               |
|---------------------------|---------------|
| Ambient temperature range | +10 to +40 °C |
|---------------------------|---------------|

### Controls and Dimming

|                               |  |
|-------------------------------|--|
| Dimmable                      | Yes  |
| Driver/power unit/transformer | Power supply unit with DALI touch-switch and dimming interface |
| Control interface             | DALI   |
| Constant light output         | 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 Compliant)

|   |     |
|---|-----|
| Control gear failure rate at median useful life 50000 h | 5 % |
| Lumen maintenance at median useful life* 50000 h        | L85 |

### Application Conditions

|                                    |       |
|------------------------------------|-------|
| Performance ambient temperature Tq | 25 °C |
| Maximum dim level                  | 1%    |
| Suitable for random switching      | No    |

### Product Data

|                                 |                                |
|---------------------------------|--------------------------------|
| Order product name              | FS484F LED125S/840 PSD-T SW WH |
| Full product name               | FS484F LED125S/840 PSD-T SW WH |
| Full product code               | 871794310492500                |
| Order code                      | 910504094403                   |
| Material Nr. (12NC)             | 910504094403                   |
| Numerator - Quantity Per Pack   | 1                              |
| EAN/UPC - Product/Case          | 8717943104925                  |
| Numerator - Packs per outer box | 1                              |
| EAN/UPC - Case                  | 8717943104925                  |

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## Dimensional drawing

