# PRODUCT DATASHEET
# FS COMP SN EU V 88W 840 WT

FLOOR STANDING COMPACT | Minimalized shaped Floorstanding luminaire with integrated sensor



VALUE CLASS

## Areas of application

- For use at single or double desks
- Individual offices
- Open-space office
- Home offices

## Product benefits

- Direct and indirect light can be controlled separately
- Daylight and motion-dependent control thanks to an integrated sensor
- Manual dimming and wished lighting level can be set via integrated touch panel
- Flexible positioning of the luminaire thanks to a 2,500 mm cable length

## Product features

- High lumen output with overall up to 12,600 lm (9,000 lm indirect and 3,600 lm direct)
- Luminous efficacy: up to 144 lm/W
- Diffuser prismatic (direct) and transparent (indirect) for an overall glare reduction of UGR <19
- Available in white (like RAL9003), grey (like RAL9006) and black (like RAL9005)
- Lifetime (L80/B10): up to 75,000 h (at 25 °C)
- Powder coated luminaire made of aluminum
- Color temperature 4,000 K with SDCM <3 and CRI 80
- Integrated IEC socket for a flexible connection
- Versions with EU plug or Swiss plug (CH) available


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# TECHNICAL DATA

## Electrical data

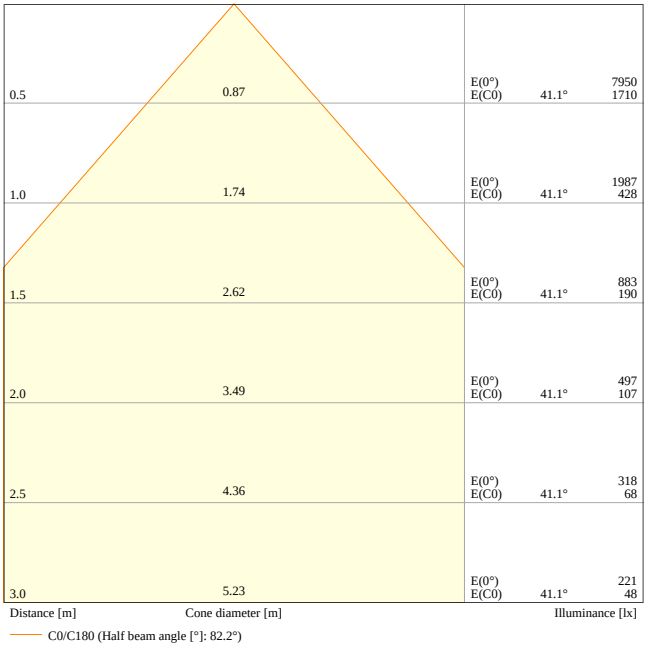
| | |
|---|---|
| Nominal wattage | 88.00 W |
| Nominal voltage | 220…240 V |
| Mains frequency | 50/60 Hz |
| Nominal current | 400.000 mA |
| Inrush current | 28.75 A |
| Inrush current time $T_{h50}$ | 308 µs |
| Max. number of luminaires per miniature circuit breaker B16 | 7 |
| Max. number of luminaires per miniature circuit breaker C10 | 7 |
| Max. number of luminaires per miniature circuit breaker C16 | 12 |
| Power factor λ | > 0.90 |
| Maximum total harmonic distortion | < 6 % |
| Protection class | I |
| Operating mode | Integrated LED driver |
| Dimming interface | DALI |

## Photometrical data

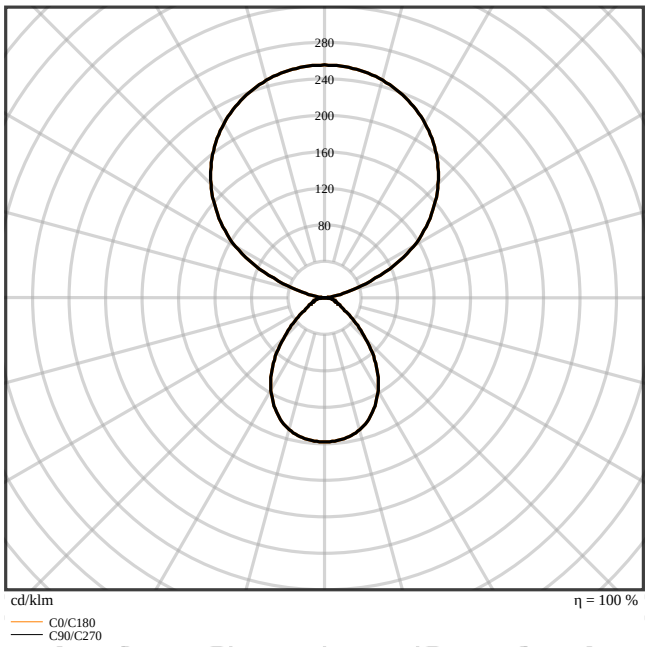
| | |
|---|---|
| Luminous flux | 12600 lm [1)] |
| Luminous efficacy | 144 lm/W |
| Color temperature | 4000 K |
| Light color (designation) | Cool White |
| Color rendering index Ra | > 80 |
| Standard deviation of color matching | < 3 sdcm |
| Luminous intensity | 3297 cd |
| Low flicker | Yes |
| Flickering metric (Pst LM) | < 1 |
| Stroboscope effect metric (SVM) | < 0.4 |
| Photobiological safety group acc. to EN62778 | RG1 |
| Photobiological safety group acc. to EN62471 | RG1 |
| Beam angle | 110 ° x 80 ° |
| UGR | < 19 |

1) 9000 lm indirect and 3600 lm direct


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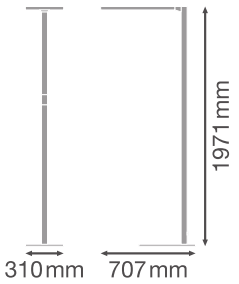

FS COMP SN EU V 88W 840 WT LEDV




FS COMP SN EU V 88W 840 WT LEDV

## Dimensions & Weight

| | |
|---|---|
| Length | 707.00 mm |
| Width | 310.00 mm |
| Height | 1971.00 mm |
| Product weight | 12500.00 g |
| Cable length | 2500 mm |




FS COMP SN V 88W 84


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## Materials & Colors

| | |
|---|---|
| Product color | White |
| Housing color | White |
| RAL Color (most similar) | RAL 9003 |
| Body material | Aluminum |
| Cover material | Polycarbonate (PC) |
| Light emitting surface material | Polycarbonate (PC) |
| Glow Wire Test according to IEC 60695-2-12 | 650 °C |
| Mercury content | 0.0 mg |

## Application & Mounting

| | |
|---|---|
| Ambient temperature range | -20…+45 °C |
| Temperature range at storage | -40…+80 °C |
| Type of connection | Plug type C (EU) |
| Type of protection | IP20 |
| Protection class IK (shock resistance) | IK03 |
| Dimmable | Yes |
| Mounting type | Standing |
| Mounting location | Floor |
| Application environment | Indoor |
| Mechanically adjustable | No |
| With light source | Yes |
| Replaceable light source | No |

## Lifespan

| | |
|---|---|
| Lifespan L70/B50 at 25 °C | 100000 h [1)] |
| Lifespan L80/B10 at 25 °C | 75000 h [1)] |
| Lifespan L80/B50 at 25 °C | 75000 h |
| Lifespan L90/B10 at 25 °C | 52000 h [1)] |
| Number of switching cycles | 50000 |

1) t[h]: L70 / B50 @ 25 °C (Ta), t[h]: L80 / B10 @ 25 °C (Ta), t[h]: L90 / B10 @ 25 °C (Ta)

## Control gear

| | |
|---|---|
| Output current | 1750 mA |
| Output ripple current (100 Hz) | < 5 % |


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## Sensor

| | |
|---|---|
| Type of sensor | Motion / Light |
| Sensor technology | Passive infrared (PIR) |
| Sensor detection angle | 120 ° |
| Sensor controlled switching time | 60 min |
| Detection range of motion sensor | 1.2…1.5 m |
| Sensor IK rating | IK03 |

## Certificates & Standards

| | |
|---|---|
| Standards | CE / CB / EMC / ROHS / REACH / ENEC / ERP / EAC / UKCA / EPD |
| Luminaire with limited surface temperature, "D sign" | No |
| Ball shot safe | No |
| EPD | LEDV-00062-V01.01-EN |
| Replaceable light source (EPREL) | Not replaceable |

## EQUIPMENT / ACCESSORIES

- Accessories for mounting the luminaire included

## Safety advice

- All electrical connections must be made by a qualified person.
- Product in protection class I. All electrically conductive, metallic housing parts that can absorb voltage during operation or during maintenance in the event of a fault must be continuously connected to the protective earthing conductor.
- To reduce the risk of strangulation the flexible wiring connected to this luminaire shall be effectively fixed to the wall if the wiring is within arm's reach.

## DOWNLOAD DATA

| | Documents and certificates | Document name |
|---|---|---|
| PDF | User instruction / safety instructions | FLOOR STANDING COMPACT |
| PDF | User instruction / safety instructions | FLOOR STANDING COMPACT SENSOR |
| PDF | Legal information | Safety insert G11221844 |
| PDF | Legal information | Informationstext 18 Abs 4 ElektroG |
| PDF | Legal information | Legal Insert G11240749 |
| PDF | Legal information | FS COMPACT |


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| | Documents and certificates | Document name |
|---|---|---|
| PDF | Declarations of conformity | FC COMP SN |
| PDF | Declarations of conformity UKCA | FS COMP SN |
| PDF | EU Data Act | DALI LED Driver and Luminaires |
| PDF | EPD | ENVIRONMENTAL PRODUCT DECLARATION FLOORSTANDING COMPACT |

| | Photometric and lighting design files | Document name |
|---|---|---|
| IES | IES file (IES) | FS COMP SN EU V 88W 840 WT LEDV |
| LDT | LDT file (Eulumdat) | FS COMP SN EU V 88W 840 WT LEDV |
| | UGR file (UGR table) | FS COMP SN EU V 88W 840 WT LEDV |
| | Light distribution curve type cone | FS COMP SN EU V 88W 840 WT LEDV |
| | Light distribution curve type polar | FS COMP SN EU V 88W 840 WT LEDV |

| | CAD/BIM files | Document name |
|---|---|---|
| RFA | BIM Revit 3D | Floor Standing Compact |
| STEP | CAD STEP 3D | FS COMP SN |

| | Tender texts | Document name |
|---|---|---|
| TXT | Tender documents | FLOOR STANDING COMPACT SN EU V 88W 840 WT-en |

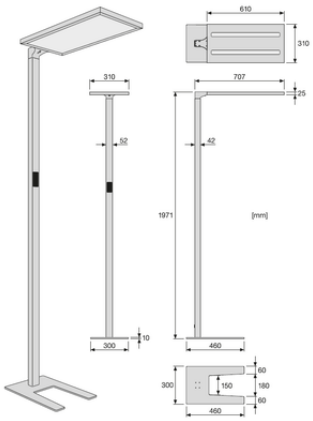
## LOGISTICAL DATA

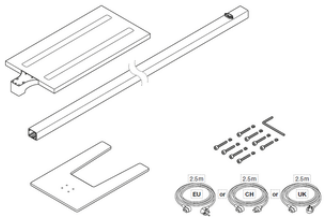
| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---|---|---|---|---|
| 4099854540851 | Shipping box<br>1 | 1,970 mm x 360 mm x 143 mm | 18960.00 g | 101.42 $dm^3$ |

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

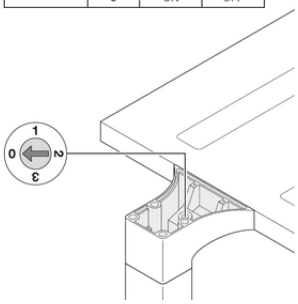

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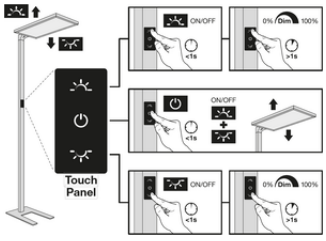
## ADDITIONAL CATALOG INFORMATION

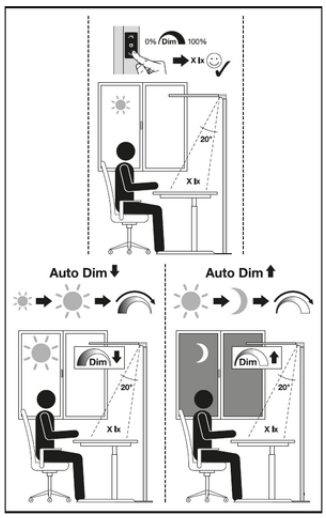


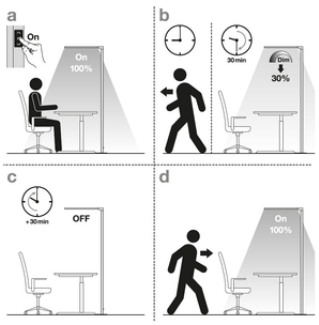



| Dip switch | Daylight sensor (A) | Motion sensor (B) |
|---|---|---|
| 0 | OFF | OFF |
| 1 | OFF | ON |
| 2 | ON | ON |
| 3 | ON | OFF |






## References / Links

– For Guarantee see www.ledvance.com/guarantee

## DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.


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