

PRODUCT DATASHEET

SF COMPACT IK10 300 24 W 3000 K IP65 WT

SURFACE COMPACT IK10 | Wall and ceiling luminaire with high impact resistance



Areas of application

- Corridors
- Stairways
- Bathrooms
- Foyers
- Public areas

Product benefits

- Slim profile
- Resistance against vandalism
- High luminous efficacy
- Very homogenous light
- LED protected for safe installation
- 5 years guarantee

Product features

- Beam angle: 120°



- Type of protection: IP65
- Impact resistance: IK10
- Housing and cover made from polycarbonate
- Glow Wire Test according to IEC 60695-2-12: 850 °C
- Through-wiring possible

TECHNICAL DATA

Electrical data

| | |
|---|-----------------------|
| Nominal wattage | 24.00 W |
| Nominal voltage | 220...240 V |
| Mains frequency | 50...60 Hz |
| Nominal current | 110 mA |
| Inrush current | 15.6 A |
| Inrush current time T_{h50} | 620 μ s |
| Max. number of luminaires per miniature circuit breaker B16 | 30 |
| Max. number of luminaires per miniature circuit breaker C10 | 28 |
| Max. number of luminaires per miniature circuit breaker C16 | 45 |
| Power factor λ | ≥ 0.90 |
| Total harmonic distortion | < 20 % |
| Protection class | II |
| Operating mode | Integrated LED driver |

Photometrical data

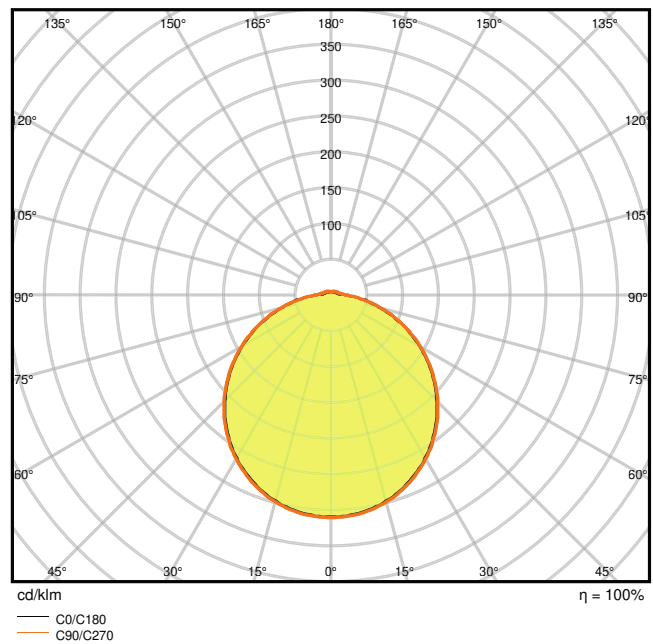
| | |
|--|---------------------------|
| Luminous flux | 1800 lm |
| Luminous efficacy | 75 lm/W |
| Color temperature | 3000 K |
| Light color (designation) | Warm White |
| Color rendering index Ra | > 80 |
| Standard deviation of color matching | ≤ 4 sdc _m |
| Luminous intensity | - |
| Low flicker | Yes |
| Flickering metric (Pst LM) | - |
| Stroboscope effect metric (SVM) | - |
| Photobiological safety group acc. to EN62778 | RG0 |
| Beam angle | 120 ° |

| | | |
|-----|--------------|---------------------------------------|
| 0.5 | 1.58 1.56 | E(0°) 2480 E(C90) 192 E(C0) 194 |
| 1.0 | 3.15 3.13 | E(0°) 620 E(C90) 48 E(C0) 49 |
| 1.5 | 4.73 4.63 | E(0°) 276 E(C90) 21 E(C0) 22 |
| 2.0 | 6.30 6.25 | E(0°) 155 E(C90) 12 E(C0) 12 |
| 2.5 | 7.88 7.82 | E(0°) 99 E(C90) 8 E(C0) 8 |
| 3.0 | 9.45 9.38 | E(0°) 69 E(C90) 5 E(C0) 5 |

Distance [m] Cone diameter [m] Illuminance [lx]

— C0/C180 (Half beam angle [°]: 114.8°)
— C90/C270 (Half beam angle [°]: 115.2°)

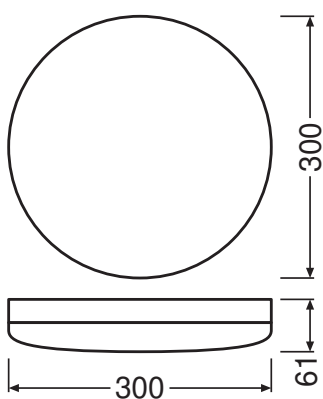
4058075062207 SF Compact RD300 24W 3000K IP65
IK10 WT



4058075062207 SF Compact RD300 24W 3000K IP65
IK10 WT

Dimensions & Weight

| | |
|----------------|-----------|
| Diameter | 300.00 mm |
| Height | 61.00 mm |
| Product weight | 940.00 g |



SF Compact 300 24W IK10 IP65

Materials & Colors

| | |
|--|--------------------|
| Product color | White |
| Housing color | White |
| Body material | Polycarbonate (PC) |
| Cover material | Polycarbonate (PC) |
| Light emitting surface material | Polycarbonate (PC) |
| Glow Wire Test according to IEC 60695-2-12 | 850 °C |
| Mercury content | 0.0 mg |

Application & Mounting

| | |
|--|----------------------------|
| Ambient temperature range | -20...+50 °C |
| Type of connection | Screwless terminal, 3-Pole |
| Type of protection | IP65 |
| Protection class IK (shock resistance) | IK10 |
| Dimmable | No |
| Mounting type | Surface |
| Mounting location | Ceiling / Wall |
| Application environment | Indoor |
| With light source | Yes |
| Replaceable light source | No |

Lifespan

| | |
|----------------------------|-----------------------|
| Lifespan L70/B50 at 25 °C | 50000 h ¹⁾ |
| Lifespan L80/B10 at 25 °C | 30000 h ¹⁾ |
| Lifespan L80/B50 at 25 °C | 30000 h |
| Lifespan L90/B10 at 25 °C | 15000 h |
| Number of switching cycles | 100000 |

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 | 280 mA |
|----------------|--------|
















Certificates & Standards



| | |
|--|--------------------------------|
| Standards | CE / CB / ENEC / TÜV SÜD / EAC |
| Luminaire with limited surface temperature, "D sign" | Yes |
| Ball shot safe | No |
| Replaceable light source (EPREL) | Not replaceable |


Safety advice

- All electrical connections must be made by a qualified person.
- Caution, risk of electric shock.

DOWNLOAD DATA

| Documents and certificates | | Document name |
|--|--|---|
|  | User instruction / safety instructions | SURFACE COMPACT IK10 |
|  | On-Pack-Info | Legal Insert Surface |
|  | Legal information | LS Insert SF Compact IK10 |
|  | Legal information | Informationstext 18 Abs 4 ElektroG |
|  | Declarations of conformity | SURFACE COMPACT IK10 |
|  | Declarations of conformity | EC declaration of surface compact IK10 LEDV |
|  | Declarations of conformity UKCA | SF Compact 300 IK10 IP65 |
|  | Certificates | CE Certificate Sruface Compact RD300 24W |
| Photometric and lighting design files | | Document name |
|  | IES file (IES) | SF Compact RD300 24W 3000K IP65 IK10 WT |
|  | LDT file (Eulumdat) | SF Compact RD300 24W 3000K IP65 IK10 WT |
|  | ULD file (DIALux) | SURFACECOMPACTIK1024W3000KIP65WT |
|  | ROLF file (RELUX) | SF COMPACT 300 24W-3000K |
|  | UGR file (UGR table) | 4058075062207 SF Compact RD300 24W 3000K IP65 IK10 WT |
|  | Light distribution curve type cone | 4058075062207 SF Compact RD300 24W 3000K IP65 IK10 WT |
|  | Light distribution curve type polar | 4058075062207 SF Compact RD300 24W 3000K IP65 IK10 WT |

| CAD/BIM files | Document name |
|---|----------------------|
|  BIM Revit 3D | SURFACE-COMPACT IK10 |
|  CAD STEP 3D | SF Compact IK10 |

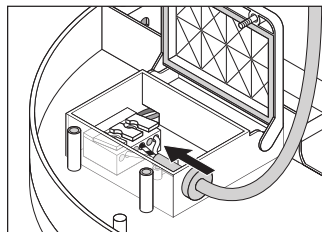
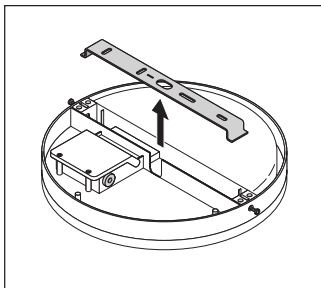
| Tender texts | Document name |
|---|---|
|  Tender documents | SURFACE COMPACT IK10 24 W 3000 K IP65 WT-EN |

LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075062207 | Folding box 1 | 65 mm x 304 mm x 304 mm | 1073.00 g | 6.01 dm ³ |
| 4058075062214 | Shipping box 8 | 555 mm x 320 mm x 325 mm | 9480.00 g | 57.72 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.

ADDITIONAL CATALOG INFORMATION



References / Links

– For Guarantee see www.ledvance.com/guarantee

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