

# PRODUCT DATASHEET

## LISOEV 500 SQ 27W 830 840 SF FLAT

SURFACE FLAT LIGHT SOURCES | Upgrade or replacement lightsource



### Areas of application

- Suitable for SURFACE FLAT 19 W / 27 W

### Product benefits

- 3000 K and 4000 K LEDs integrated
- Indoor use with high luminous efficacy of up to 140 lm/W
- High color consistency with SDCM 3
- Tool-free electrical connection with plug connectors
- Very homogenous light with a slight backlight effect
- Prepared for SURFACE FLAT SENSOR integration
- 5 years guarantee

### Product features

- Type of protection: IP20
- Polycarbonate (PC) housing, PC-diffusor
- Lifetime (L80/B10): 100,000 h (at 25 °C), (L90/B10): 50,000 h (at 25 °C)
- Impact resistance: IK08
- Glow Wire Test according to IEC 60695-2-12: 850 °C
- Indoor use only, not suitable for outdoor use



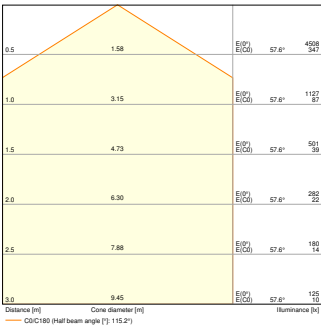
TECHNICAL DATA

Electrical data

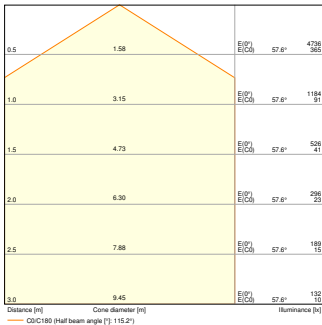
|                 |            |
|-----------------|------------|
| Nominal wattage | 23 W       |
| Nominal voltage | 30...40 V  |
| Mains frequency | 50...60 Hz |
| Nominal current | 650 mA     |

Photometrical data

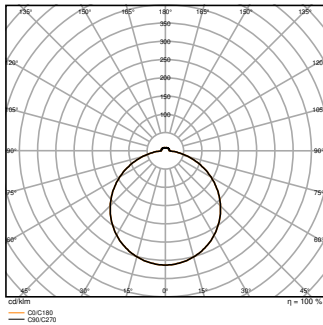
|                                              |                         |
|----------------------------------------------|-------------------------|
| Luminous flux                                | 3780 lm                 |
| Luminous efficacy                            | 140 lm/W                |
| Color temperature                            | 3000 K / 4000 K         |
| Light color (designation)                    | Warm White / Cool White |
| Color rendering index Ra                     | > 80                    |
| Standard deviation of color matching         | 3 sdcm                  |
| Photobiological safety group acc. to EN62778 | RG0                     |
| Beam angle                                   | 120 °                   |



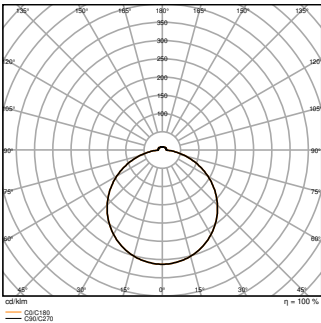
LISOEV 500SQ 27W 830 SF FLAT  
3600lm



LISOEV 500SQ 27W 840 SF FLAT  
3780lm



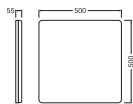
LISOEV 500SQ 27W 830 SF FLAT  
3600lm



LISOEV 500SQ 27W 840 SF FLAT  
3780lm

Dimensions & Weight

|                |           |
|----------------|-----------|
| Length         | 500.00 mm |
| Width          | 500.00 mm |
| Height         | 55.00 mm  |
| Product weight | 2632.00 g |



LISOEV 500SQ 27W 830 840 SF  
FLAT

Materials & Colors

|               |                    |
|---------------|--------------------|
| Product color | White              |
| Housing color | White              |
| Body material | Polycarbonate (PC) |

Application & Mounting

|                              |              |
|------------------------------|--------------|
| Ambient temperature range    | -20...+45 °C |
| Temperature range at storage | -40...+80 °C |
| Type of protection           | IP20         |
| Dimmable                     | No           |
| Mounting type                | Surface      |

Lifespan

|                           |          |
|---------------------------|----------|
| Lifespan L70/B50 at 25 °C | 10000 h  |
| Lifespan L80/B10 at 25 °C | 100000 h |
| Lifespan L80/B50 at 25 °C | 100000 h |
| Lifespan L90/B10 at 25 °C | 50000 h  |

Certificates & Standards

|                                  |                 |
|----------------------------------|-----------------|
| Standards                        | CE              |
| Replaceable light source (EPREL) | Not replaceable |

Additional product data

|                |                               |
|----------------|-------------------------------|
| Product remark | Available from September 2024 |
| Added function | EVERLOOP / MULTI SELECT       |

EQUIPMENT / ACCESSORIES

- Connection wire for direct installation integrated

DOWNLOAD DATA

| Documents and certificates                                                          |                                        | Document name                       |
|-------------------------------------------------------------------------------------|----------------------------------------|-------------------------------------|
|    | User instruction / safety instructions | UI LISOEV SF FLAT                   |
|    | Legal information                      | Legal Insert SF FLAT LISOEV         |
|    | Legal information                      | LISO Insert SF FLAT LISOEV          |
|    | Legal information                      | Informationstext 18 Abs 4 ElektroG  |
|  | Declarations of conformity             | CE Declaration SF FLAT              |
|  | Declarations of conformity UKCA        | UKCA Declaration SF FLAT            |
| Photometric and lighting design files                                               |                                        | Document name                       |
|  | IES file (IES)                         | LISOEV 500SQ 27W 830 SF FLAT 3600lm |
|  | IES file (IES)                         | LISOEV 500SQ 27W 840 SF FLAT 3780lm |
|  | LDT file (Eulumdat)                    | LISOEV 500SQ 27W 830 SF FLAT 3600lm |
|  | LDT file (Eulumdat)                    | LISOEV 500SQ 27W 840 SF FLAT 3780lm |
|  | UGR file (UGR table)                   | LISOEV 500SQ 27W 830 SF FLAT 3600lm |
|  | UGR file (UGR table)                   | LISOEV 500SQ 27W 840 SF FLAT 3780lm |
|  | Light distribution curve type cone     | LISOEV 500SQ 27W 830 SF FLAT 3600lm |
|  | Light distribution curve type cone     | LISOEV 500SQ 27W 840 SF FLAT 3780lm |

| Photometric and lighting design files                                            |                                     | Document name                       |
|----------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|
|  | Light distribution curve type polar | LISOEV 500SQ 27W 830 SF FLAT 3600lm |
|  | Light distribution curve type polar | LISOEV 500SQ 27W 840 SF FLAT 3780lm |

| Tender texts                                                                     |                  | Document name                                            |
|----------------------------------------------------------------------------------|------------------|----------------------------------------------------------|
|  | Tender documents | SURFACE FLAT LIGHT SOURCES 500 SQ 27W 830 840 SF FLAT-EN |

LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume    |
|---------------|------------------------------|--------------------------------------|--------------|-----------|
| 4099854312274 | Folding box<br>1             | 58 mm x 507 mm x 507 mm              | 2893.00 g    | 14.91 dm³ |
| 4099854312281 | Shipping box<br>4            | 520 mm x 245 mm x 530 mm             | 12421.00 g   | 67.52 dm³ |

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



www.ledvance.com/everloop-replacement

| DATA          |  |  | DATA          |  |
|---------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------|-------------------------------------------------------------------------------------|
| 4099854312274 | LISOEV 500SQ 27W 830 SF FLAT                                                        | →                                                                                   | 4099854312275 | 50 FLAT 27W 830 SF 1000 CIPS                                                        |
| 4099854312275 | LISOEV 500SQ 27W 830 SF FLAT                                                        | →                                                                                   | 4099854312276 | 50 FLAT 27W 830 SF 1000 CIPS                                                        |
| 4099854312276 | LISOEV 500SQ 27W 830 SF FLAT                                                        | →                                                                                   | 4099854312277 | 50 FLAT 27W 830 SF 1000 CIPS                                                        |
| 4099854312277 | LISOEV 500SQ 27W 830 SF FLAT                                                        | →                                                                                   | 4099854312278 | 50 FLAT 27W 830 SF 1000 CIPS                                                        |
| 4099854312278 | LISOEV 500SQ 27W 830 SF FLAT                                                        | →                                                                                   | 4099854312279 | 50 FLAT 27W 830 SF 1000 CIPS                                                        |
| 4099854312279 | LISOEV 500SQ 27W 830 SF FLAT                                                        | →                                                                                   | 4099854312280 | 50 FLAT 27W 830 SF 1000 CIPS                                                        |
| 4099854312280 | LISOEV 500SQ 27W 830 SF FLAT                                                        | →                                                                                   | 4099854312281 | 50 FLAT 27W 830 SF 1000 CIPS                                                        |
| 4099854312281 | LISOEV 500SQ 27W 830 SF FLAT                                                        | →                                                                                   | 4099854312282 | 50 FLAT 27W 830 SF 1000 CIPS                                                        |
| 4099854312282 | LISOEV 500SQ 27W 830 SF FLAT                                                        | →                                                                                   | 4099854312283 | 50 FLAT 27W 830 SF 1000 CIPS                                                        |

References / Links

– For Guarantee see [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee)

DISCLAIMER

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