# Svea

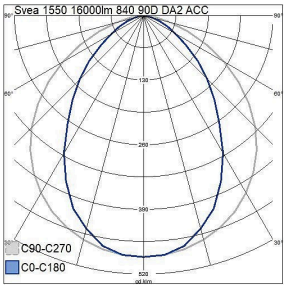
## IP23 1550 16000lm 840 90D DA2

Industrial luminaire open



Svea is a versatile and quickly installed industrial luminaire. Applications include industrial halls and warehouses. Equipped with a ball protection grid, the luminaire is also suitable for sports halls. The luminaire is wired through, so its connection and installation is very fast. The luminaire can be installed directly on the ceiling surface, on a suspension rail or on a horizontal suspension wire with the rail bracket integrated into the luminaire. A wide selection of different optics and options for lighting control are available in the product series. With double parabolic louver available as an additional accessory, the product is also suitable for locations where glare-free lighting is required.

Svea Industrial luminaire open 97W 4000K 16000lm 90D Dim DALI-2; Dim programmable; Dim with push-button; IP23; IK08; Protection cl. I; L70B50 100000h; LED not exchangeable; Lamp included; CRI>80; SDCM3; Through-wired; 5x2.5mm²; Housing st; Colour st; Cover Plastic, transparent; C16 max. 14




Stocked: No

| IP23 1550 16000lm 840 90D DA2 | | | |
|---|---|---|---|
| PRODUCT CODE | CODE | KG | PRODUCT FAMILY |
| | A3SVBJ-DALI | 2.7 | Svea |

# IP23 1550 16000lm 840 90D DA2

EC002892 Ceiling / wall luminaire

| Mounting | |
|---|---|
| Suitable for wall mounting | Yes |
| Suitable for suspended mounting | No |
| Suitable for ceiling mounting | Yes |
| Suitable for recessed mounting | No |
| Suitable for surface mounting | Yes |
| Suitable for light line configuration | No |
| Suitable for clamp-mounting | Yes |
| Fit for workplace acc. EN 12464-1 | No |
| Degree of protection (IP) | IP23 |
| Degree of protection (IP), rear side | IP23 |
| Degree of protection (IP), front side | IP23 |
| Max. number of luminaires per miniature circuit breaker C10 (MCB) | 8 |
| Max. number of luminaires per miniature circuit breaker B16 | 8 |
| Max. number of luminaires per miniature circuit breaker C16 | 14 |
| Impact strength | IK08 |
| Luminaire with limited surface temperature, class "D“ in acc. with EN 60598-2-24 | Yes |
| Suitable for emergency lighting | No |
| Type of wiring | Through-wired |
| Number of poles | 5 |
| Conductor cross section (mm²) | 2.5 mm² |
| Connection type | Screwless terminal |

| Structure | |
|---|---|
| With mounting material | Yes |
| Lamp type | LED not exchangeable |
| Light source included | Yes |
| Suitable for number of lamps | 1 |
| Lamp holder | Other |
| Housing material | Stainless steel |
| Housing surface protection | Galvanized |
| Housing colour | Grey |
| Cover material | Plastic, transparent |
| Type of grid | None |
| Control gear included | Yes |
| Exchangeable control gear | Yes |
| Energy efficiency class of light source according to EU regulation 2019/2015 | C |
| Containing product according to 2019/2020/EU | Yes |
| Emergency power supply integrated | No |
| With switch | No |
| With air slots | No |
| Filament test according to IEC 60695-2-11 | 650 °C - 30 s |

| Electrotechnical data | |
|---|---|
| Voltage type | AC |
| Nominal voltage (min) (V) | 220 V |
| Nominal voltage (max) (V) | 240 V |
| Nominal current (min) (mA) | 600 mA |
| Nominal current (max) (mA) | 600 mA |
| Type of control gear | LED operating device current-controlled |
| Protection class according to IEC 61140 | I |
| Suitable for lamp power (min) (W) | 97 W |
| Suitable for lamp power (max) (W) | 97 W |
| Maximum system power (W) | 97 W |
| Luminaire efficacy (lm/W) | 165 lm/W |
| Power factor | 0.9 |
| Total harmonic distortion | 10 THD |

| Dimming and control | |
|---|---|
| Dimmable | Yes |
| Dimming 0-10 V | No |
| Dimming 1-10 V | No |
| Dimming DALI | Yes |
| Dimming DALI-2 | Yes |
| Dimming DMX | No |
| Dimming DSI | No |
| Dimming LineSwitch | No |
| Dimming manufacturer's proprietary system | No |
| Dimming mains voltage modulation | No |
| Dimming trailing edge | No |
| Dimming leading edge | No |
| Dimming programmable | Yes |
| Dimming potentiometer (integrated) | No |
| Dimming RF | No |
| Dimming Sine Wave Reduction | No |
| Dimming Touch and Dim | No |
| Dimming Zigbee | No |
| Dimming with push-button | Yes |
| No dimming function | No |
| With movement sensor | No |
| With light sensor | No |
| Constant luminous flux control | No |
| Bluetooth operated | No |
| Compatible with Casambi | No |
| Compatible with Apple HomeKit | No |
| Compatible with Google Assistant | No |
| Compatible with Amazon Alexa | No |
| IFTTT support available | No |

| Photometric data | |
|---|---|
| Light distributor | Diffuser lens/optic/panel |
| Light sharing | Symmetric |
| Beam angle | Extreme wide beam >80° |
| Colour consistency (McAdam ellipse) | SDCM3 |
| Light outlet | Direct |
| Rated luminous flux according to IEC 62722-2- 1 (min) (lm) | 16000 lm |
| Rated luminous flux according to IEC 62722-2- 1 (max) (lm) | 16000 lm |
| Colour of light (alphanumeric) | White |
| Effective luminous flux (lm) | 16000 lm |
| Colour temperature (min) (K) | 4000 K |
| Colour temperature (max) (K) | 4000 K |
| Flickering value Pst LM | 1 |
| Colour rendering index (CRI/Ra) | 80-89 |
| Stroboscope effect value SVM | 0.4 |
| Photobiological safety according to EN 62471 | RG0 |
| Colour temperature switchable | No |
| Lumen setting adjustable | No |
| Beam angle adjustable | No |

| Lifetime and capacity | |
|---|---|
| Rated life time L70/B50 at 25 °C (h) | 100000 h |
| Lumen maintenance at median useful life of 35,000 hrs at 25 °C ambient (tq) (%) | 85 % |
| Lumen maintenance at median useful life of 50,000 hrs at 25 °C ambient (tq) (%) | 80 % |
| Lumen maintenance at median useful life of 75,000 hrs at 25 °C ambient (tq) (%) | 65 % |
| Failure rate at median useful life of 35,000 hrs at 25 °C ambient (tq) (%) | 5 % |
| Failure rate at median useful life of 50,000 hrs at 25 °C ambient (tq) (%) | 5 % |
| Failure rate at median useful life of 75,000 hrs at 25 °C ambient (tq) (%) | 10 % |
| Rated ambient temperature acc. IEC62722-2-1 (min) (°C) | -20 °C |
| Rated ambient temperature acc. IEC62722-2-1 (max) (°C) | 25 °C |

| Measurements | |
|---|---|
| Width (mm) | 50 mm |
| Height/depth (mm) | 76 mm |
| Length (mm) | 1550 mm |