

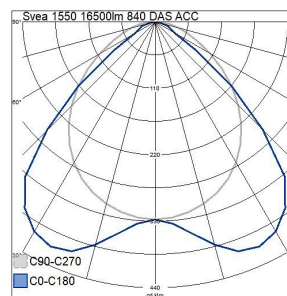


# Svea

## IP23 1550 16500lm 840 DAS

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 16500lm DAS No dim; IP23; IK08; Protection cl. I; L70B50 100000h; LED not exchangeable; Lamp included; CRI>80; SDCM3; Through-wired; 5x2.5mm<sup>2</sup>; Housing st; Colour st; Cover Plastic, transparent; C16 max. 15



### IP23 1550 16500lm 840 DAS

| PRODUCT CODE | CODE   | KG  | PRODUCT FAMILY |
|--------------|--------|-----|----------------|
| A3SVBT       | A3SVBT | 2.7 | Svea           |

| 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 B16                      | 9                  |
| Max. number of luminaires per miniature circuit breaker C16                      | 15                 |
| 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 (mm <sup>2</sup> )                                       | 2.5                |
| Connection type  | Screwless terminal |
| Quantity of luminaires for MCB C16:  | 15                 |
| Quantity of luminaires for MCB C10:  | 9                  |
| Quantity of luminaires for MCB B16:  | 9                  |
| Quantity of luminaires for MCB B10:  | 6                  |

| 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        |

| Dimming and control                       |     |
|---|-----|
| Dimmable                                  | No  |
| Dimming 0-10 V                            | No  |
| Dimming 1-10 V                            | No  |
| Dimming DALI                              | No  |
| Dimming DALI-2                            | No  |
| 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                      | No  |
| Dimming potentiometer (integrated)        | No  |
| Dimming RF                                | No  |
| Dimming Sine Wave Reduction               | No  |
| Dimming Touch and Dim                     | No  |
| Dimming Zigbee                            | No  |
| Dimming with push-button                  | No  |
| No dimming function                       | Yes |
| 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   | Double asymmetric         |
| Colour consistency (McAdam ellipse)                       | SDCM3                     |
| Light outlet  | Direct                    |
| Rated luminous flux according to IEC 62722-2-1 (min) (lm) | 16500                     |
| Rated luminous flux according to IEC 62722-2-1 (max) (lm) | 16500                     |
| Colour of light (alphanumeric)                            | White                     |
| Effective luminous flux (lm)                              | 16500                     |
| Colour temperature (min) (K)                              | 4000                      |
| Colour temperature (max) (K)                              | 4000                      |
| 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 |
| 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     |
| 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      |
| Rated ambient temperature acc. IEC62722-2-1 (min) (°C)                          | -20    |
| Rated ambient temperature acc. IEC62722-2-1 (max) (°C)                          | 25     |

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

| Electrotechnical data                   |   |
|---|---|
| Voltage type                            | AC                                      |
| Nominal voltage (min) (V)               | 220                                     |
| Nominal voltage (max) (V)               | 240                                     |
| Nominal current (min) (mA)              | 600                                     |
| Nominal current (max) (mA)              | 600                                     |
| Type of control gear                    | LED operating device current-controlled |
| Protection class according to IEC 61140 | I                                       |
| Suitable for lamp power (min) (W)       | 97                                      |
| Suitable for lamp power (max) (W)       | 97                                      |
| Maximum system power (W)                | 97                                      |
| Luminaire efficacy (lm/W)               | 170                                     |
| Power factor                            | 0.9                                     |
| Total harmonic distortion               | 10                                      |