Svea

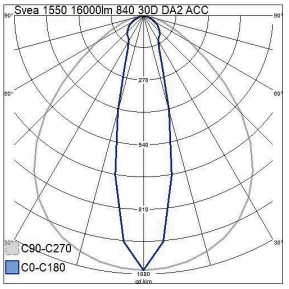
IP23 1550 16000lm 840 30D DA2

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 30D 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 30D DA2			
PRODUCT CODE	CODE	KG	PRODUCT FAMILY
	A3SVBO-DALI	2.7	Svea

IP23 1550 16000lm 840 30D 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	Medium beam 20-40°
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