

ELEMENT 90/220...240/24

ELEMENT | Constant Voltage – Non dimmable



Areas of application

- Suitable for luminaires of protection class II
- Decorative lighting in hospitality, restaurants and Shops
- Shelf lighting for shops
- Cove lighting
- Under cabinet lighting

Product family benefits

- Large output power range: up to 90 W
- Compatible with OSRAM Flex products
- Excellent price/performance ratio

Product family features

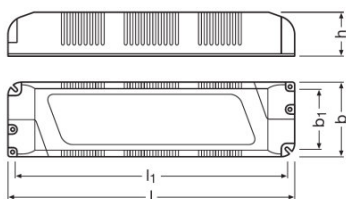
- Lifetime: up to 50,000 h (temperature at $t_c = 75\text{ °C}$)
- Overtemperature protection
- Overload protection

Technical data

Electrical data

Nominal input voltage	220...240 V
Mains frequency	50...60 Hz
Input voltage AC	198...264 V
Total harmonic distortion	< 20 %
Power factor λ	> 0.90
ECG efficiency	87 %
Device power loss	11.7 W
Protective conductor current	<0.7 mA
Inrush current	< 43 A
Max. ECG no. on circuit breaker 10 A (B)	7
Max. ECG no. on circuit breaker 16 A (B)	11
Max. ECG no. on circuit breaker 25 A (B)	18
Surge capability (L-N)	1 kV
Nominal output voltage	24 V
U-OUT (working voltage)	24 V
Nominal output power	90 W
Galvanic isolation	SELV
Galvanic isolation primary/secondary	3 kV

Dimensions & weight



Product weight	564.00 g
Cable cross-section, input side	0.75...1.5 mm ²
Cable cross-section, output side	0.75...1.5 mm ²
Wire preparation length, input side	8.0 mm
Wire preparation length, output side	8.0 mm
Length	230.0 mm

Product datasheet

Width	60.0 mm
Height	35.0 mm

Colors & materials

Casing material	Plastic
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Temperatures & operating conditions

Ambient temperature range	-20...+50 °C
Maximum temperature at tc test point	85 °C
Max.housing temperature in case of fault	110 °C
Temperature range at storage	-40...+85 °C
Permitted rel. humidity during operation	5...85 % ¹⁾

¹⁾ Maximum 56 days/year at 85 %

Lifespan

ECG lifetime	50000 h ¹⁾
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¹⁾ T_c = 75°C, with max. 10% failure rate

Additional product data

Encapsulated	Yes
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Capabilities

Dimmable	No
Overheating protection	Yes
Overload protection	Yes
Short-circuit protection	Yes
No-load proof	Yes
Suitable for fixtures with prot. class	II
Type of connection, output side	Fixed connection (terminal)

Certificates & standards

Approval marks – approval	CE
Standards	Acc. to IEC 61347-1/Acc. to IEC 61347-2-13/Acc. to IEC 62384/Acc. to IEC 61000-3-2/Acc. to CISPR 15/Acc. to IEC 61000-3-3/Acc. to IEC 61547
Protection class	II
Type of protection	IP20

Logistical data

Commodity code	850440829000
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Product datasheet

Download Data

File	
	User instruction ELEMENT Constant Voltage Power Supply
	Product Datasheet 728239_Datesheet ELEMENT 9024
	Brochures 730792_Light is universal - Easy installation of efficient complete systems (DE)
	Brochures 730791_Light is universal - Easy installation of efficient complete systems (EN)
	Declarations of conformity EU Declaration of Conformity 3427815

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899463813	ELEMENT 90/220...240/24	Shipping carton box 20	317 mm x 244 mm x 197 mm	15.24 dm ³	11956.00 g

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.

Disclaimer

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