

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

Product family datasheet

Technical data

Electrical data

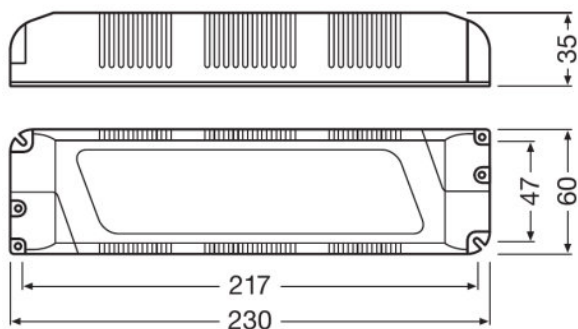
Product description	Nominal input voltage	Mains frequency	Input voltage AC	Total harmonic distortion	Power factor λ	ECG efficiency
ELEMENT 90/220...240/24	220...240 V	50...60 Hz	198...264 V	< 20 %	> 0.90	87 %
Product description	Device power loss	Protective conductor current	Inrush current	Max. ECG no.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

Dimensions & weight

Product description	Product weight	Cable cross-section, input side	Cable cross-section, output side	Wire preparation length, input side	Wire preparation length, output side
ELEMENT 90/220...240/24	564.00 g	0.75...1.5 mm ²	0.75...1.5 mm ²	8.0 mm	8.0 mm
Product description	Width	Length	Height		
ELEMENT 90/220...240/24	60.0 mm	230.0 mm	35.0 mm		

Product family datasheet

Product line drawing



ELEMENT 90/220...240/24

Colors & materials

Product description	Casing material
ELEMENT 90/220...240/24	Plastic

Temperatures & operating conditions

Product description	Ambient temperature range	Maximum temperature at t_c test point	Max.housing temperature in case of fault	Temperature range at storage
ELEMENT 90/220...240/24	-20...+50 °C	85 °C	110 °C	-40...+85 °C

Product description	Permitted rel. humidity during operation
ELEMENT 90/220...240/24	5...85 % ¹⁾

¹⁾ Maximum 56 days/year at 85 %

Lifespan

Product description	ECG lifetime
ELEMENT 90/220...240/24	50000 h ¹⁾

¹⁾ $T_c = 75^\circ\text{C}$, with max. 10% failure rate

Product family datasheet

Additional product data

Product description	Encapsulated
ELEMENT 90/220...240/24	Yes

Capabilities

Product description	Dimmable	Overheating protection	Overload protection
ELEMENT 90/220...240/24	No	Yes	Yes

Product description	Short-circuit protection	No-load proof	Suitable for fixtures with prot. class	Type of connection, output side
ELEMENT 90/220...240/24	Yes	Yes	II	Fixed connection (terminal)

Certificates & standards

Product description	Approval marks – approval
ELEMENT 90/220...240/24	CE

Product description	Standards	Protection class	Type of protection
ELEMENT 90/220...240/24	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	II	IP20

Logistical data

Product description	Commodity code
ELEMENT 90/220...240/24	850440829000


Application advice

For more detailed application information and graphics please see product datasheet.





Sales and Technical Support

Sales and Technical Support www.osram.com

Download Data

File
 User instruction ELEMENT Constant Voltage Power Supply

Product family datasheet

	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.