

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

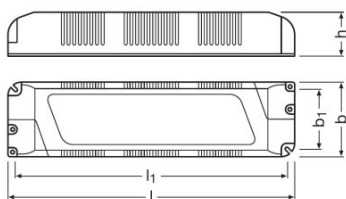
Product datasheet

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 |
|-----------------|---------|

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⁾ |
|--------------|-----------------------|

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

Additional product data

| | |
|--------------|-----|
| Encapsulated | Yes |
|--------------|-----|

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 |
|----------------|--------------|

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.