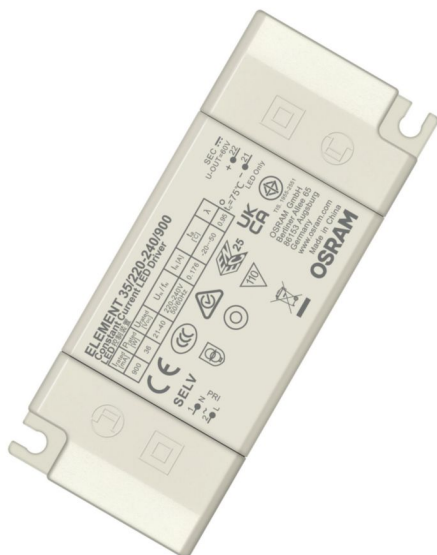


ELEMENT 35/220-240/900

ELEMENT G4 | Compact constant current LED driver – Non dimmable

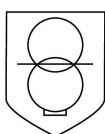


Product family features

- Supply voltage: 220...240 V
- Fixed output (no dimming)
- Line frequency: 50 Hz | 60 Hz
- Line voltage: 198...264 V
- According to EN 61347-1, 61347-2-13, 62384
- Line harmonics according to EN 61000-3-2
- Immunity according to EN 61547
- SELV

Product family benefits

- Versatile scope of application due to output power range of up to 42 W
- Safety ensured by OSRAM (SELV)
- Higher quality of light thanks to < 5% output ripple current
- High efficiency
- High compatibility with COBs and discrete LEDs



Areas of application

- Spot light and down light
- Panels
- Other Indoor LED luminaries
- Suitable for downlights, spotlights and LED panels
- Suitable for indoor SELV installations

Technical data

Electrical data

| | |
|--|---------------------------|
| Nominal input voltage | 220...240 V |
| Mains frequency | 50/60 Hz |
| Input voltage AC | 198...264 V |
| Current set | Fixed current |
| Total harmonic distortion | 10 % ¹⁾ |
| Power factor λ | 0.95 |
| Efficiency in full-load | 89 % ²⁾ |
| Device power loss | 4.45 W ³⁾ |
| Protective conductor current | <0.7 mA |
| Inrush current | 30 A ⁴⁾ |
| Max. ECG no. on circuit breaker 10 A (B) | 27 |
| Max. ECG no. on circuit breaker 16 A (B) | 43 |
| Surge capability (L/N-Ground) | 2 kV ⁵⁾ |
| Surge capability (L-N) | 1 kV |
| Nominal output voltage | 21...40 V |
| U-OUT (working voltage) | 60 V |
| Nominal output current | 900 mA |
| Output current tolerance | ± 7.5 % |
| Output ripple current (100 Hz) | < 5 % |
| Output PSTLM | ≤ 1 |
| Output SVM | ≤ 0.4 |
| Nominal output power | 18.9...36 W ⁶⁾ |
| Maximum output power | 36 W |
| Galvanic isolation | SELV |

1) At full load

2) at 230 V, 50 Hz

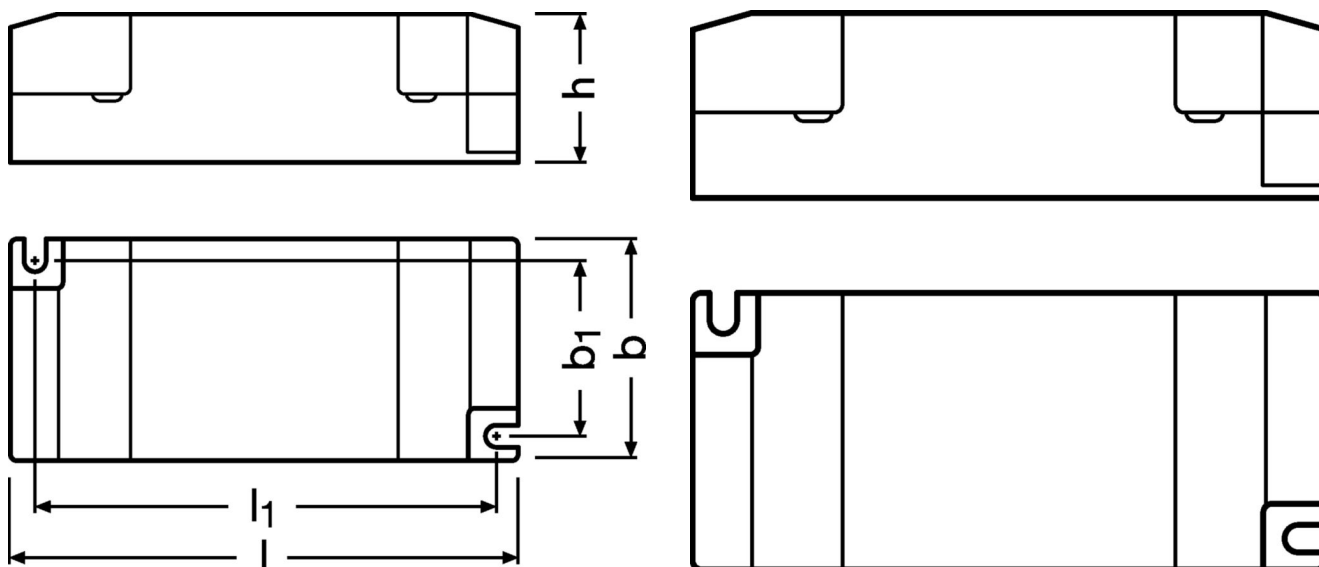
3) At 230 V, Input power 40.45 W max.

4) $t_{\text{width}} = 105 \mu\text{s}$ typical (measured at 50 % I_{peak})

5) L/N – PE acc to EN 61547 Cluase 5.7

6) Partial load

Dimensions & weight



| | |
|--------------------------------------|--|
| Length | 103.0 mm |
| Width | 43.0 mm |
| Height | 29.0 mm |
| Mounting hole spacing, length | 94.0 mm |
| Mounting hole spacing, width | 34.7 mm |
| Cable cross-section, input side | 0.5...1.5 mm ² / 0.75...1.5 mm ² ¹⁾ |
| Cable cross-section, output side | 0.5...1.5 mm ² / 0.75...1.5 mm ² ¹⁾ |
| Wire preparation length, input side | 7...8 mm |
| Wire preparation length, output side | 7...8 mm |
| Product weight | 89.00 g |

1) Build in/ Independent

Colors & materials

| | |
|-----------------|-----------------|
| Casing material | Plastic housing |
|-----------------|-----------------|

Temperatures & operating conditions

| | |
|--|------------------------|
| Ambient temperature range | -20...+50 °C |
| Maximum temperature at tc test point | 75 °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) Non-condensing

Lifespan

| | |
|--------------|---------------------------------|
| ECG lifetime | 30000 h / 50000 h ¹⁾ |
|--------------|---------------------------------|

1) At maximum $T_c = 75^\circ\text{C}$ / 10% failure rate / At maximum $T_c = 65^\circ\text{C}$ / 10% failure rate

Additional product data

| | |
|--------------|----|
| Encapsulated | No |
|--------------|----|

Capabilities

| | |
|--|-----------------------|
| Dimmable | No |
| Max. cable length to lamp/LED module | 2.0 m ¹⁾ |
| Suitable for fixtures with prot. class | I / II |
| Suitable for emergency lighting | No |
| Type of connection, input side | Push terminal |
| Type of connection, output side | Push terminal |
| Suitable for through-wiring | No |
| Number of channels | 1 |
| Overheating protection | Electronic switch off |
| Overload protection | Automatic reversible |
| Short-circuit protection | Automatic reversible |
| Intended for no-load operation | No |
| No-load proof | Yes |

1) Output wires must be routed as close as possible to each other

Programming

| | |
|------------------------|--------------|
| Programming device | not relevant |
| Tuner4TRONIC | No |
| Tuner4TRONIC Field App | No |

Certificates & standards

| | |
|---------------------------|--|
| Approval marks – approval | CE / CCC / RCM / ENEC 25 / UKCA ¹⁾ |
| Standards | Acc. to IEC 61347-1 / Acc. to IEC 61347-2-13 / Acc. to IEC 62384 / Acc. to IEC 61000-3-2 / Acc. to IEC 61547 / Acc. to IEC 61000-3-3 |
| Type of protection | IP20 |
| Protection class | II |

1) In preparation

Logistical data

| | |
|----------------|-------------|
| Commodity code | 85044083900 |
|----------------|-------------|

Environmental information

| Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH) | |
|---|---------------|
| Date of Declaration | 13-05-2024 |
| Primary Article Identifier | 4062172355612 |
| Declaration No. in SCIP database | In work |

Download Data

| File | | |
|------------------------|-----|---|
| Certificates | PDF | ► ELEMENT G4 NSW28114 |
| Certificates | PDF | ► ELEMENT G4 ENEC 64142225031701 CERT U6 |
| Certificates | PDF | ► ELEMENT G4 CCC 33 42W build in 2023171002004874 |
| Mandatory Publications | PDF | ► ELEMENT G4 CE 4460618 020823 |
| Mandatory Publications | PDF | ► ELEMENT G4 UK DoC 4460638 |
| User instruction | PDF | ► ELEMENT G4 UI OSRAM address G15120095 |
| User instruction | PDF | ► ELEMENT G4 UI OSRAM address G15120095 |

Ecodesign regulation information:

Intended for use with LED modules.

The forward voltage of the LED light source shall be within the defined operating window of the control gear in all operating conditions including dimming if applicable.

Separate control gear and light sources must be disposed of at certified disposal companies in accordance with Directive 2012/19/EU (WEEE) in the EU and with Waste Electrical and Electronic Equipment (WEEE) Regulations 2013 in the UK. For this purpose, collection points for recycling centres and take-back systems (CRSO) are available from retailers or private disposal companies, which accept separate control gear and light sources free of charge. In this way, raw materials are conserved and materials are recycled.

Logistical Data

| Product code | Product description | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume | Gross weight |
|---------------|----------------------------|----------------------------------|---|-----------------------|--------------|
| 4062172355612 | ELEMENT 35/220- 240/900 | Shipping carton box 50 Pieces | 306 x 221 x 173 mm | 11.70 dm ³ | 4789.00 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.