

The trusted value of **OSRAM Digital Systems** continues with **Inventronics Global** – where experience meets innovation.

## 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
- SELV

### Product family benefits

- Versatile scope of application due to output power range of up to 42 W
- Safety ensured by Inventronics (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

<b>Nominal input voltage</b>	220...240 V
<b>Mains frequency</b>	50/60 Hz
<b>Input voltage AC</b>	198...264 V
<b>Nominal input current at 230 V</b>	0.187 A
<b>Total harmonic distortion</b>	10 % <sup>1)</sup>
<b>Power factor λ</b>	0.95
<b>Efficiency in full-load</b>	89 % <sup>2)</sup>
<b>Device power loss</b>	4.45 W <sup>3)</sup>
<b>Inrush current</b>	30 A <sup>4)</sup>
<b>Max. ECG no. on circuit breaker 10 A (B)</b>	27
<b>Max. ECG no. on circuit breaker 16 A (B)</b>	43
<b>Surge capability (L-N)</b>	1 kV
<b>Surge capability (L/N-Ground)</b>	2 kV <sup>5)</sup>
<b>Protective conductor current</b>	<0.7 mA
<b>Nominal output voltage</b>	21...40 V
<b>U-OUT (working voltage)</b>	60 V
<b>Nominal output current</b>	900 mA
<b>Output current tolerance</b>	±7.5 %
<b>Output ripple current (100 Hz)</b>	< 5 %
<b>Output PSTLM</b>	≤1
<b>Output SVM</b>	≤0.4
<b>Nominal output power</b>	18.9...36 W <sup>6)</sup>
<b>Maximum output power</b>	36 W
<b>Galvanic isolation primary/secondary</b>	SELV

1) At full load

2) at 230 V, 50 Hz

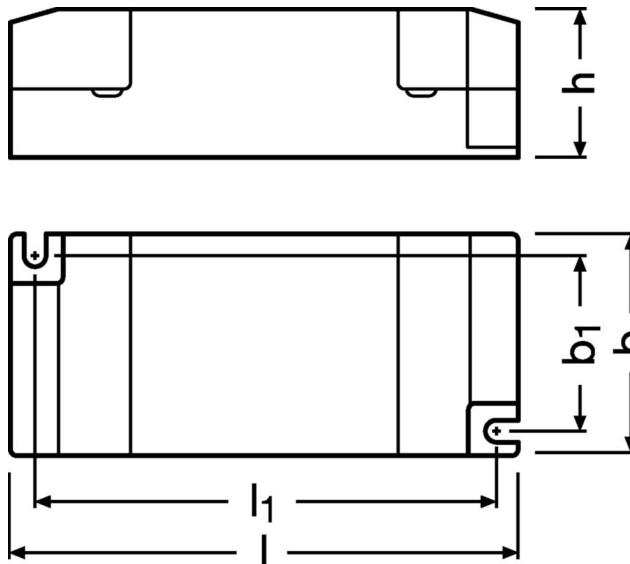
3) At 230 V, Input power 40.45 W max.

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

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

6) Partial load

## Dimensions &amp; weight



<b>Product weight</b>	89.00 g
<b>Length</b>	103.0 mm
<b>Width</b>	43.0 mm
<b>Height</b>	29.0 mm
<b>Mounting hole spacing, length</b>	94.0 mm
<b>Mounting hole spacing, width</b>	34.7 mm
<b>Cable cross-section, input side</b>	0.5...1.5 mm <sup>2</sup> / 0.75...1.5 mm <sup>2</sup> <sup>1)</sup>
<b>Cable cross-section, output side</b>	0.5...1.5 mm <sup>2</sup> / 0.75...1.5 mm <sup>2</sup> <sup>1)</sup>
<b>Wire preparation length, input side</b>	7...8 mm
<b>Wire preparation length, output side</b>	7...8 mm
<b>Cable/wire length, output side</b>	2000 mm

1) Build in/ Independent

## Colors &amp; materials

<b>Casing material</b>	Plastic housing
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## Temperatures &amp; operating conditions

<b>Ambient temperature range</b>	-20...+50 °C
<b>Maximum temperature at tc test point</b>	75 °C
<b>Max.housing temperature in case of fault</b>	110 °C
<b>Temperature range at storage</b>	-40...+85 °C
<b>Permitted rel. humidity during operation</b>	5...85 % <sup>1)</sup>

1) Non-condensing

**Lifespan**

<b>ECG lifetime</b>	30000 h / 50000 h <sup>1)</sup>
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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**

<b>Encapsulated</b>	No
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**Capabilities**

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

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

**Programming**

<b>Programming device</b>	not relevant
<b>Tuner4TRONIC</b>	No
<b>Tuner4TRONIC Field App</b>	No

**Certificates & standards**

<b>Approval marks – approval</b>	CE / CCC / RCM / ENEC 25 / UKCA <sup>1)</sup>
<b>Standards</b>	IEC 61347-1 / IEC 61347-2-13 / IEC 62384 / IEC 61000-3-2 / IEC 61547 / IEC 61000-3-3
<b>Type of protection</b>	IP20

1) In preparation

**Logistical data**

<b>Commodity code</b>	85044083900
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**Environmental information**

<b>Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)</b>	
<b>Date of Declaration</b>	26-02-2025
<b>Primary Article Identifier</b>	4062172355612
<b>Declaration No. in SCIP database</b>	In work
<b>SCIP_STATUS</b>	In work
<b>SCIP_ID</b>	cf5d04b2-ecf5-476d-b326-4dae4e209385

### 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.

### Download Data

<b>File</b>		
Certificates	PDF	► ELEMENT G4 ENEC 64142225031702 U6 120723
Certificates	PDF	► ELEMENT G4 CCC 33 42W build in 2023171002004874
Mandatory Publications	PDF	► ELEMENT G4 CE 4460618 02 200125
Mandatory Publications	PDF	► ELEMENT G4 UK DoC 4460638 01 220923
User instruction	PDF	► UI ELEMENT G4

**Logistical Data**

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172355612 OSRAM	ELEMENT 35/220- 240/900	Shipping carton box 50 Pieces	306 x 221 x 173 mm	11.70 dm <sup>3</sup>	95.78 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.