

## ELEMENT 120/220-240/12 G2

ELEMENT G2 12V | Constant Voltage – Non dimmable



### Product family features

- Linear form factor
- Power factor:  $>0.95$  at full load
- Total Harmonic Distortion (THD):  $< 15\%$
- Output voltage tolerance:  $< 3\%$
- Up to 30,000 h @  $T_c$  max / up to 50,000 h @  $T_c -10\text{ °C}$
- Lifetime: up to 30,000 h (temperature at max.  $t_c$ )

### Product family benefits

- High efficiency (up to 91 %)
- Higher quality of light thanks to  $< 3\%$  output ripple current
- Excellent price/performance ratio
- Class II design for wide application
- 3 years guarantee

## Areas of application

- Decorative lighting in hospitality, restaurants and Shops
- Shelf lighting
- Cove lighting
- Under cabinet lighting

## Technical data

### Electrical data

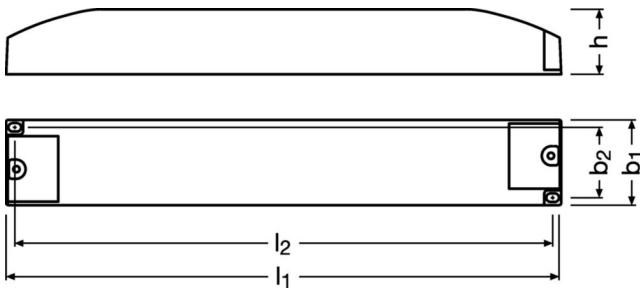
Nominal input voltage	220...240 V
Mains frequency	50...60 Hz
Input voltage AC	198...264 V
Power factor $\lambda$	> 0.95
Efficiency in full-load	89 % <sup>1)</sup>
Device power loss	14.8 W <sup>2)</sup>
Inrush current	< 50 A <sup>3)</sup>
Max. ECG no. on circuit breaker 10 A (B)	5
Max. ECG no. on circuit breaker 16 A (B)	8
Surge capability (L/N-Ground)	2 kV
Surge capability (L-N)	1 kV
Nominal output voltage	12.5 V
U-OUT (working voltage)	12.125 V ~ 12.875 V
Nominal output power	120 W
Maximum output power	120 W
Galvanic isolation	SELV

1) at 230 V, 50 Hz

2) At Full load, 230 V, 50 Hz

3) Max,  $t_h = 300 \mu s$

## Dimensions & weight



<b>Length</b>	260.0 mm
<b>Width</b>	40.0 mm
<b>Height</b>	31.0 mm
<b>Cable cross-section, input side</b>	0.75...1.5 mm <sup>2</sup>
<b>Cable cross-section, output side</b>	0.5...1.5 mm <sup>2</sup>
<b>Wire preparation length, input side</b>	5.0 mm
<b>Product weight</b>	400.00 g

## Colors & materials

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

<b>Ambient temperature range</b>	-20...+50 °C
<b>Maximum temperature at tc test point</b>	90 °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) Maximum 56 days/year at 85 %

## Lifespan

<b>ECG lifetime</b>	30000 h <sup>1)</sup>
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1) At maximum  $T_c = 90^\circ\text{C}$  / 10% failure rate / At maximum  $T_c = 80^\circ\text{C}$  / 10% failure rate, At  $T_c = 70^\circ\text{C}$  / 10% failure rate

## Capabilities

<b>Dimmable</b>	No
<b>Max. cable length to lamp/LED module</b>	3.0 m <sup>1)</sup>
<b>Suitable for fixtures with prot. class</b>	I / II
<b>Number of channels</b>	1
<b>Short-circuit protection</b>	Yes
<b>Intended for no-load operation</b>	No

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

## Certificates & standards

Approval marks – approval	BIS / CCC / CE / MM / RCM / UKCA
Standards	Acc. to EN 61347-1 / Acc. to EN 61347-2-13 / Acc. to EN 55015 / Acc. to EN 61547 / Acc. to EN 60598-1 / Acc. to EN 62384 / Acc. to CISPR 15 / Acc. to EN 61000-3-2/IEC 61000-3-2
Type of protection	IP20
Protection class	2

## Logistical data

Commodity code	85044083900
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## Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	24-03-2024
Primary Article Identifier	4062172277884
Declaration No. in SCIP database	In work

## Download Data

File		
Mandatory Publications	PDF	▶ELEMENT 12V G2 CE 4399675 03 160823
Mandatory Publications	PDF	▶ELEMENT 12V G2 UK DoC 4438367 061022
User instruction	PDF	▶ELEMENT G2

## Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172277884	ELEMENT 120/220-240/12 G2	Shipping carton box 20 Pieces	421 x 285 x 105 mm	12.60 dm <sup>3</sup>	8546.00 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.