

## ELEMENT 30/220-240/24 G2

ELEMENT G2 | Constant Voltage – Non dimmable



### Areas of application

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

### 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

### 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 °C
- Lifetime: up to 30,000 h (temperature at max.  $t_c$ )

# Product datasheet

## Technical data

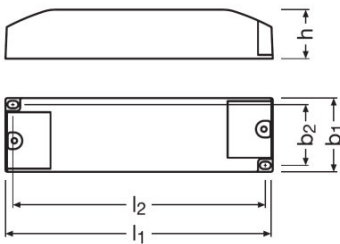
### Electrical data

Nominal input voltage	220...240 V
Mains frequency	50...60 Hz
Input voltage AC	198...264 V
Power factor $\lambda$	0.95
ECG efficiency	86 %
Device power loss	4.9 W <sup>1)</sup>
Inrush current	< 16 A <sup>2)</sup>
Max. ECG no. on circuit breaker 10 A (B)	13
Max. ECG no. on circuit breaker 10 A (C)	23
Max. ECG no. on circuit breaker 16 A (B)	23
Max. ECG no. on circuit breaker 16 A (C)	38
Max. ECG no. on circuit breaker 25 A (B)	35
Surge capability (L-N)	1 kV
Nominal output voltage	24 V
Nominal output power	30 W
Galvanic isolation primary/secondary	3 kV
Output ripple Voltage (100 Hz)	< 3 %

<sup>1)</sup> At Full load, 230 V, 50 Hz

<sup>2)</sup> At 240  $\mu$ s

### Dimensions & weight



Mounting hole spacing, length	137 mm
Product weight	107.00 g
Cable cross-section, input side	0.75...1.5 mm <sup>2</sup>
Cable cross-section, output side	0.75...1.5 mm <sup>2</sup>
Wire preparation length, input side	5.0 mm

## Product datasheet

Length	145.0 mm
Width	40.0 mm
Height	26.5 mm

### Colors & materials

Casing material	Plastic
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### 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 % <sup>1)</sup>

<sup>1)</sup> Non-condensing

### Lifespan

ECG lifetime	30000 h <sup>1)</sup>
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<sup>1)</sup> At maximum  $T_c$  / 10% failure rate

### Additional product data

Encapsulated	No
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### Capabilities

Dimmable	No
Overheating protection	Yes
Overload protection	Yes
Short-circuit protection	Yes
Suitable for fixtures with prot. class	I / II
Number of channels	1

### Certificates & standards

Approval marks – approval	CE / RCM / CCC / MM
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
Type of protection	IP20





### Logistical data

Commodity code	850440829000
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## Product datasheet

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### Download Data

File	
	User instruction ELEMENT G2 Constant Voltage Power Supply
	Declarations of conformity ELEMENT 24V G2 CE 3427815 081119
	CAD data ELEMENT 30 24V G2 STEP 041219
	CAD data ELEMENT 30 24V G2 IGS 041219

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### Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899605503	ELEMENT 30/220-240/24 G2	Shipping carton box 40	454 mm x 319 mm x 123 mm	17.81 dm <sup>3</sup>	5090.00 g

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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.

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### References / Links

For more information on the multi-level guarantee and the terms and conditions of the guarantee visit

- ▶ [www.osram.com/system-guarantee](http://www.osram.com/system-guarantee)
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### Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.

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