

ELEMENT 30/220-240/24

Constant Voltage LED Power Supply 24V

The reliable choice for the decorative lighting, compact size and well tested by Osram quality standards, fits all flex applications in retails, hotel, restaurants and industries.

Benefits

Compatible with OSRAM Flex;
High efficiency up to 86%
Class II design for wide applications
Excellent price/quality/watt ratio

Applications

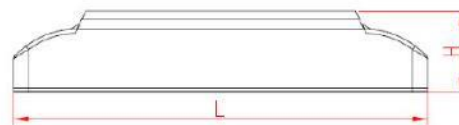
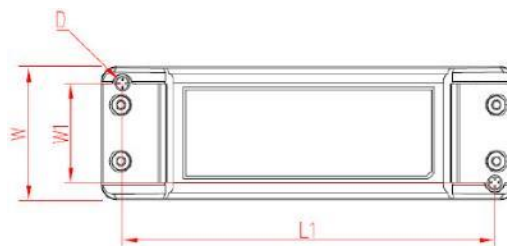
Hospitality – decorative lighting night light
Restaurants – decorative lighting
Shops – decorative lighting, shelf lighting
Residential – cove lighting, under cabinet lighting

Approval marks (Under preparation if not shown on label)



Housing material: plastic, grey

L: 140mm
L1: 126mm
W: 45mm
W1: 33.4mm
H: 27.5mm
D: 3.2mm



Product Features

- 24V constant output voltage
- SELV
- Output power up to 30W
- Mains voltage 220 – 240V
- High efficiency up to 86%
- 50'000 h lifetime at $t_c = 75^\circ\text{C}$
- Overload protection
- Over temperature protection
- Short circuit protection
- Wide ta range: $-20\dots+45^\circ\text{C}$
- Case temperature up to 85°C

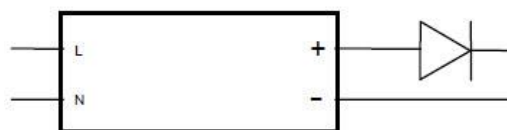
Electrical Specifications

Item	Value	Unit	Remarks
INPUT	Nominal voltage	220 – 240	V _{AC}
	Nominal frequency	50 - 60	Hz
	AC voltage range	198 – 264	V _{AC}
	Nominal current	0.2	A
	Total Harmonic Distortion (THD)	< 20	% Full load, 220-240 V, 50 Hz
	Power factor	> 0.9	Load from 15W to 30W at 220-240V, 50Hz
	Efficiency	86	% Full load, 220-240 V, 50 Hz
	Protection class	II	
	Inrush current	<8	A pk Th = 0,1 ms
	Max. units per circuit breaker	B16: 55; B10:35	I max = 7.1 A
	Touch current	< 0.7	mA
OUTPUT	Nominal voltage range	24	V _{DC}
	Minimum voltage	23.3	V _{DC}
	Maximum voltage	25	V _{DC}
	Voltage ripple (typical)	< 6	% peak-to-peak
	Nominal power range	5 – 30	W
	Maximum power	30	W
	Galvanic isolation	SELV	
ENVIRONMENT	Ambient temperature range t _a	-20 ...+45	°C
	Maximum case temperature t _c	85	°C Measured on t _c point indicated of the product label
	Max. case temp. in fault condition	110	°C
	Storage temperature range	-20 ...+80	°C Cool down before operating
	Relative humidity	5 ... 95	% Not condensing
	Surge transient protection	1	kV L/N
	Environmental rating	Indoor	
	IP rating	IP 20	
	Mains switching cycles	> 50'000	10 sec on, 10 sec off
	Expected lifetime	30'000	hrs t _c = 85°C
		50'000	hrs t _c = 75°C

Protections

- **Output short circuit protection:** short circuit current is limited to approx. 1.9 A without damage to the unit and for unlimited time. Be sure the load is designed to withstand the short circuit current as well.
- **Output overload protection:** the unit is intrinsically protected against over loading because the output current is limited.
- **Over temperature protection:** the unit is protected against temporary overheating by shut down the unit. The protection is automatically reversible, without mains switchover.

Wiring Diagram



“H03VVH2-F 2x0.75mm²” cable is recommended. For other cable up to 1.5mm², please make sure cable fulfill IEC 60598-1 clause 5.2 requirement and installed by professional electrician.

Ordering information

Product name	EAN10	EAN40	Pieces / box
ELEMENT 30/220-240/24	4052899463776	4052899463783	20

Manufacturer's address:

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