

ELEMENT 60/220-240/24**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.

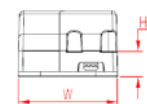
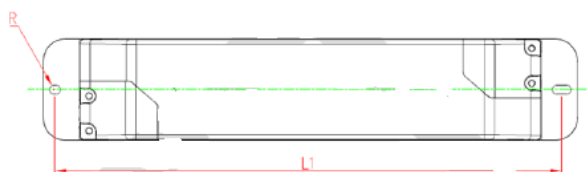
Benefits

System match with OSRAM flex;
High efficiency up to 86%
Class II design for wide applications
Most optimized price/quality ratio

Applications

Hospitality – decorative lighting
Restaurants – decorative lighting
Shops – decorative lighting, shelf lighting
Residential – cove lighting, under Cabinet lighting

Approval marks (Under preparation if not shown on label)



L: 239mm
L1: 226mm – 229mm
W: 45.5mm
H: 30mm
H1: 11.5mm
R: 2.1mm

Product Features

- 24V constant output voltage
- SELV
- Output power up to 60W
- Mains voltage 220 – 240V
- High efficiency up to 86%
- 50'000 h lifetime at $t_c = 75\text{ °C}$
- Overload protection
- Over temperature protection
- Short circuit protection
- Wide ta range: $-20\text{...}+50\text{ °C}$
- 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} Permitted voltage range
	Nominal current	0.4	A 230V, Refer to Table 1 for details
	Total Harmonic Distortion (THD)	< 20	% Full load, 230 V, 50 Hz
	Power factor	> 0.9	Load from 30W to 60W at 220-240V, 50Hz
	Efficiency	> 86	% Full load, 230 V, 50 Hz, typical
	Protection class	II	
	Inrush current	<23	A pk Th=1,7 ms
	Max. units per circuit breaker	B16: 29; B10:18	I max = 22,6 A
OUTPUT	Touch current	< 0.7	mA
	Nominal voltage range	24	V _{DC}
	Minimum voltage	23.3	V _{DC}
	Maximum voltage	25	V _{DC}
	Voltage ripple (typical)	< 5%	
	Nominal power range	20 – 60	W
	Maximum power	60	W
ENVIRONMENT	Galvanic isolation	SELV	
	Ambient temperature range t _a	-20 ... +50	°C Refer to Table 1 for details
	Maximum case temperature t _c	85	°C Measured on t _c point indicated of the product label. Refer to Table 1 for details
	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 LN/PE acc. IEC 61000-3-2 (ANSI C62.41 Cat.A ...)
	Environmental rating	Indoor	
	IP rating	IP 20	
	Mains switching cycles	> 50'000	
	Expected lifetime	30'000	hrs t _c = 85°C, 10% failure rate.
		50'000	t _c = 75°C, 10% failure rate.

Protections

- **Output short circuit protection:** auto reversible when fault removed
- **Output overload protection:** auto reversible when fault removed
- **Over temperature protection:** the unit is protected against temporary overheating by shut down the unit, auto reversible when fault removed

Standards

Safety: IEC 61347-1, IEC 61347-2-13

Performance: IEC 62384

Harmonic content: IEC 61000-3-2

Radio interference: CISPR 15

Immunity: IEC 61000-3-3

IEC 61547

Product name	EAN10	EAN40	Pieces / box
ELEMENT 60/220-240/24	4052899463790	4052899463806	20

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