

**ELEMENT 60/220-240/24****Constant Voltage LED Power Supply  
24V**

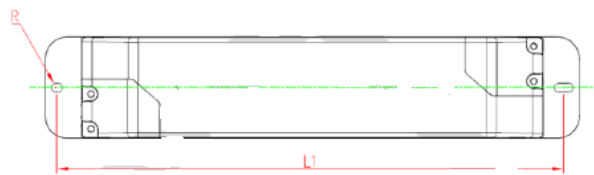
The reliable choice for the decorative lighting, compact size and well tested by Osram quality standards, fits all flex applications in retails, hotel, restaurants and industries.

**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



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

**Approval marks** (Under preparation if not shown on label)

**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:  $-20\dots+50\text{ °C}$
- Case temperature up to  $85\text{ °C}$
- 3 years Guarantee

## Electrical Specifications

Item	Value	Unit	Remarks	
INPUT	Nominal voltage	220 – 240	V <sub>AC</sub>	
	Nominal frequency	50 - 60	Hz	
	AC voltage range	198 – 264	V <sub>AC</sub>	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: 16; B10:10		I max = 22,6 A
	Touch current	< 0.7	mA	
	OUTPUT	Nominal voltage range	24	V <sub>DC</sub>
		Minimum voltage	23.3	V <sub>DC</sub>
Maximum voltage		25	V <sub>DC</sub>	
Voltage ripple (typical)		< 5%		
Nominal power range		20 – 60	W	
Maximum power		60	W	
Galvanic isolation		SELV		
ENVIRONMENT	Ambient temperature range t <sub>a</sub>	-20 ... +50	°C	Refer to Table 1 for details
	Maximum case temperature t <sub>c</sub>	85	°C	Measured on t <sub>c</sub> 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 50'000	hrs	t <sub>c</sub> = 85°C, 10% failure rate. t <sub>c</sub> = 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

### Manufacturer's address:

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### Technical support:

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