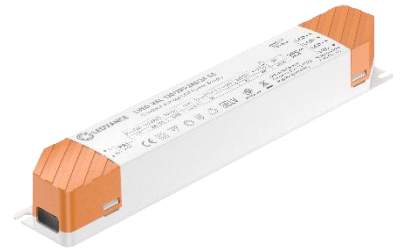


# LED IP20 VALUE CONSTANT VOLTAGE 24V DRIVERS GEN.3



## Highlights:

- Class II design
- Available in 30 W / 60 W / 120 W / 150W
- Lifetime up to 50,000 hours
- IP20 for indoor application
- SELV
- Constant voltage 24V drivers
- Wide operating temperature range: -20...+45 °C

## Application Area:

- Shop
- Hotel
- Shelf & cabinet
- Residential

## Advancing Light

LEDVANCE is one of the World's leaders in general lighting for lighting professionals as well as end users, offering



A broad variety of LED luminaires



Advanced LED lamps



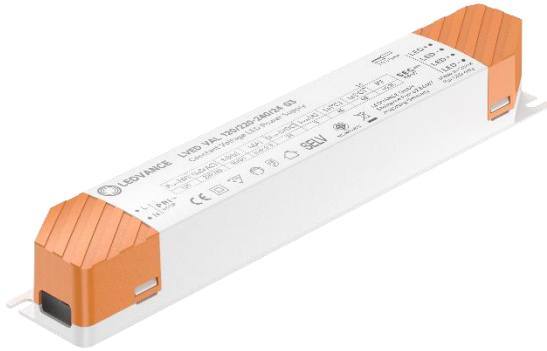
Intelligent, networked Smart Home & Smart Building solutions



Traditional light sources

# LED IP20 VAL CONSTANT VOLTAGE 24V DRIVERS GEN.3

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## Product Features:



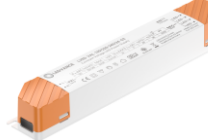

- Constant voltage 24V LED drivers
- Class II design
- Available in 30 W / 60 W / 120 W / 150 W
- Output current:  
30 W: 0-1.25 A    60W: 0-2.5 A  
120W: 0-5 A    150W: 0-6.25 A
- IP20 for indoor application
- Lifetime up to 50,000 hours
- CB, CE, ENEC, RoHS, REACH certified
- SELV system
- PF: > 0.95

## Product Benefits:

- Short-circuit, over temperature, overload and over voltage protections
- Wide ambient temperature range -20 to +45°C
- Long lifetime to reduce maintenance cost
- High power factor with built-in power factor correction (PFC) circuit
- Wide range products from 30W to 150W
- Independent installation possible



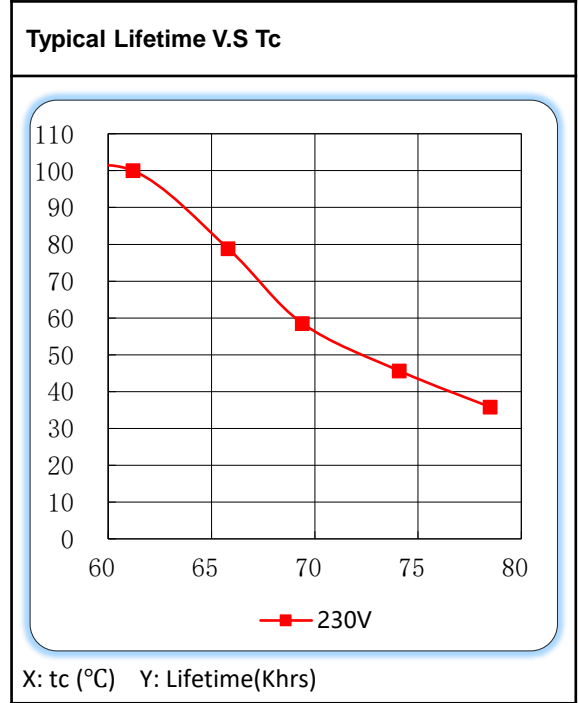
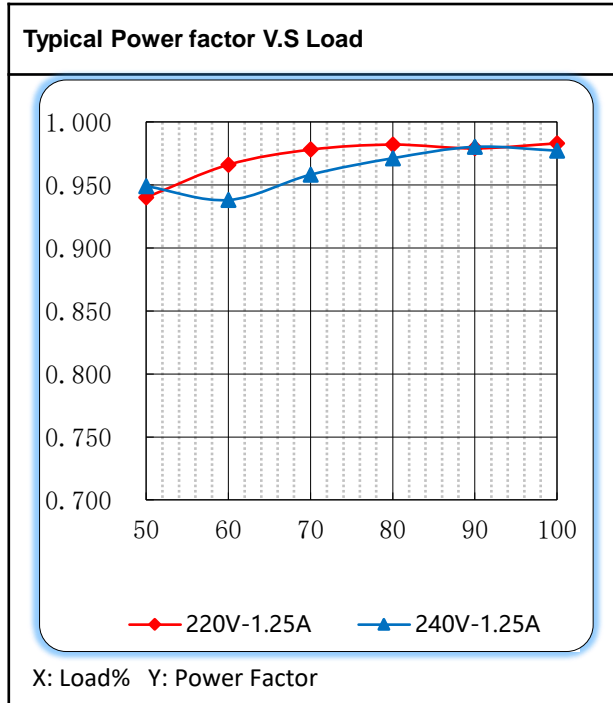
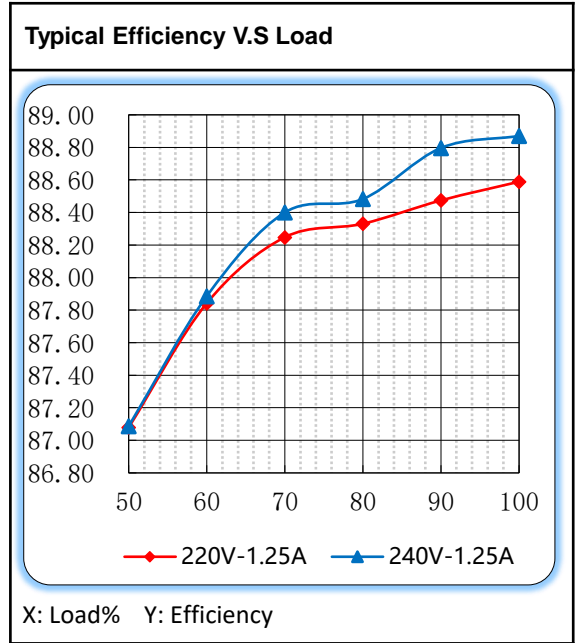
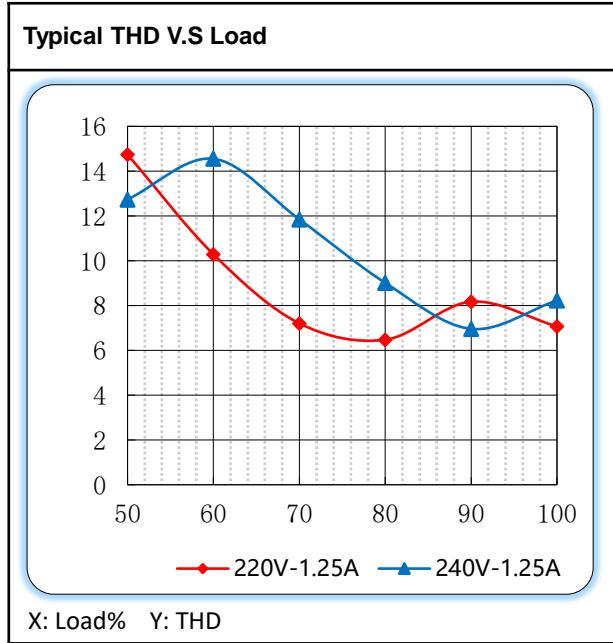
# Product Specification

LED VAL CV24V G3 Drivers	30W	60W	120W	150W
Product picture				
Model name	LVED VAL 30/220-240/24 G3	LVED VAL 60/220-240/24 G3	LVED VAL 120/220-240/24 G3	LVED VAL 150/220-240/24 G3
Rated input voltage AC	220...240 V	220...240 V	220...240 V	220...240 V
Input voltage range AC	198...264 V	198...264 V	198...264 V	198...264 V
Frequency	50...60 Hz	50...60 Hz	50...60 Hz	50...60 Hz
Input current	Max. 200 mA	Max. 390 mA	Max. 800mA	Max. 900 mA
Inrush current	18.6 A	43.8 A	48.6 A	46 A
Input wattage	Max. 35 W	Max. 68 W	Max. 131 W	Max. 166 W
Power factor	> 0.95 @ full load	> 0.95 @ full load	> 0.95 @ full load	> 0.95 @ full load
No-load wattage	< 0.5 W	< 0.5 W	< 0.5 W	< 0.5 W
THD	< 10% @ full load	< 10% @ full load	< 10% @ full load	< 10% @ full load
Max. output power	Max. 30 W	Max. 60 W	Max. 120 W	Max.150 W
Output voltage DC	24 V	24 V	24 V	24 V
Output current	0 - 1.25 A	0 - 2.5 A	0 - 5 A	0 - 6.25 A
Efficiency	≥ 85% @ full load	≥ 88% @ full load	≥ 91% @ full load	≥ 91% @ full load
Output voltage ripple	≤ 3 %	≤ 3 %	≤ 3 %	≤ 3 %
Output voltage tolerance	± 5 %	± 5 %	± 5 %	± 5 %
Dimmable	N	N	N	N
Surge capability (L-N)	1 KV	1 KV	1 KV	1 KV
Galvanic isolation	SELV	SELV	SELV	SELV
Protection	Short circuit / No-load / Over temperature / Over voltage protection			
IP rating	IP20	IP20	IP20	IP20

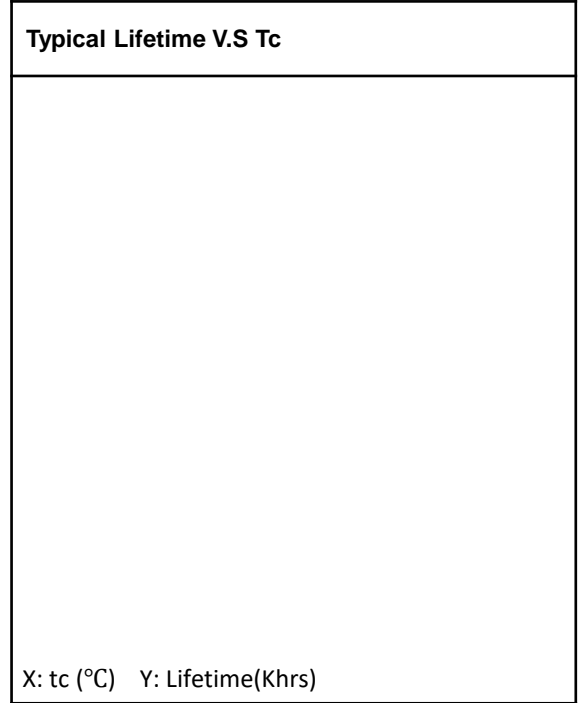
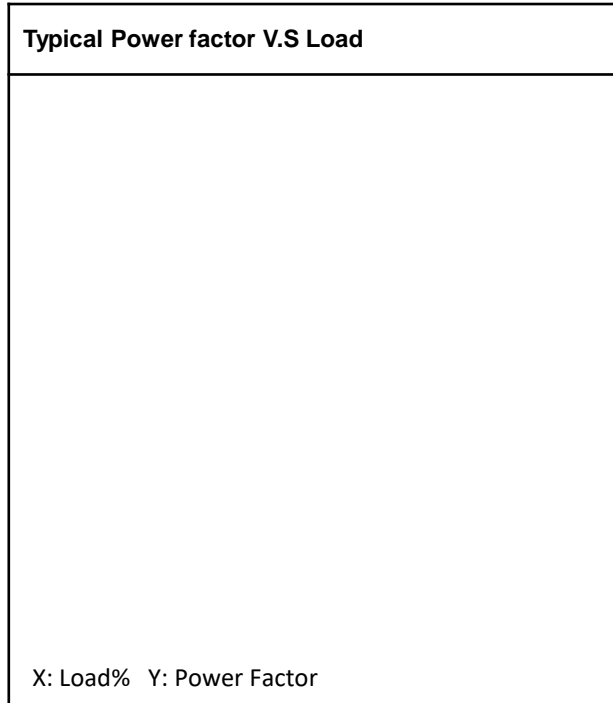
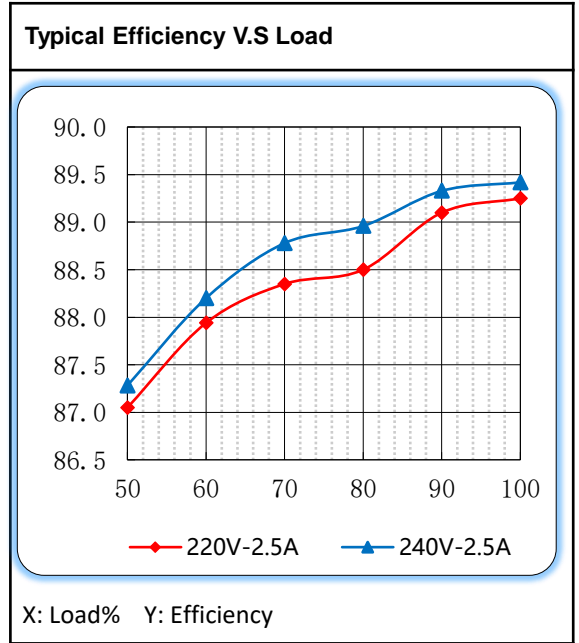
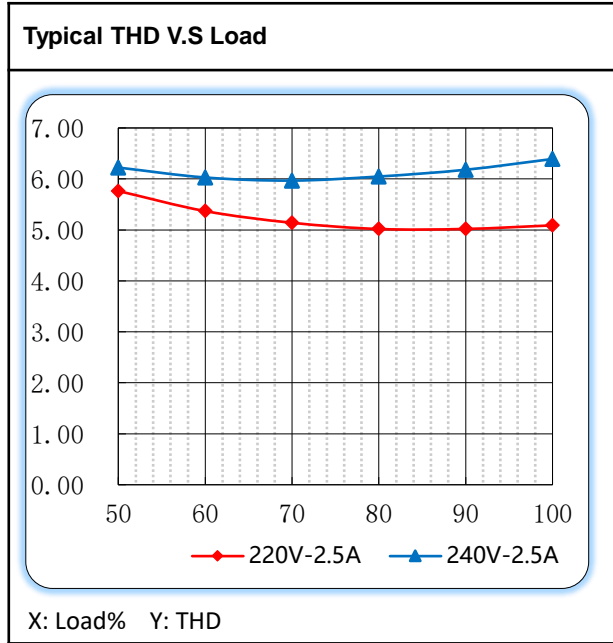
# Product Specification

LED VAL CV24V G3 Drivers	30W	60W	120W	150W
Ambient temperature range, $t_a$	-20...+45 °C	-20...+45 °C	-20...+45 °C	-20...+45 °C
Maximum temperature at $t_c$ test point	75 °C	90 °C	90 °C	90 °C
Max.housing temperature in case of fault	110 °C	110 °C	110 °C	110 °C
Lifetime	50,000 hrs @ $t_c$ -max., 10% failure			
Housing material	Polycarbonate (PC)	Polycarbonate (PC)	Polycarbonate (PC)	Polycarbonate (PC)
Housing color	White	White	White	White
Dimension (L X W X H mm)	162 X 40 X 29	194 X 40 X 31	253 X 40 X 31	253 X 40 X 31
Product weight	115 g	215 g	345 g	350 g
Protection class	Class II	Class II	Class II	Class II
Cable cross-section, input side	0.5...1.5 mm <sup>2</sup>	0.5...1.5 mm <sup>2</sup>	0.5...1.5 mm <sup>2</sup>	0.5...1.5 mm <sup>2</sup>
Cable cross-section, output side	0.5...1.5 mm <sup>2</sup>	0.5...1.5 mm <sup>2</sup>	0.5...1.5 mm <sup>2</sup>	0.5...1.5 mm <sup>2</sup>
Wire preparation length, input side	7...9 mm	7...9 mm	7...9 mm	7...9 mm
Wire preparation length, output side	7...9 mm	7...9 mm	7...9 mm	7...9 mm
Type of connection, input side	Push terminal	Push terminal	Push terminal	Push terminal
Type of connection, output side	Push terminal	Push terminal	Push terminal	Push terminal
Certification	CB, CE, ENEC, RoHS, REACH			
Suitable for fixtures with prot. class	II	II	II	II

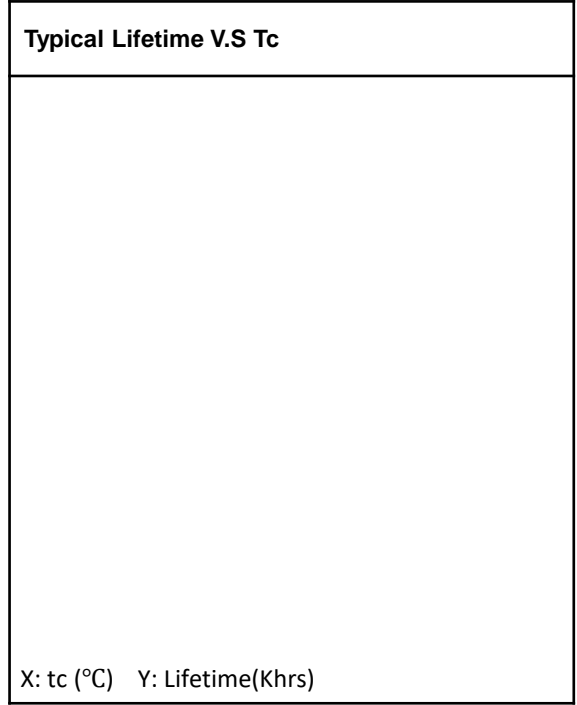
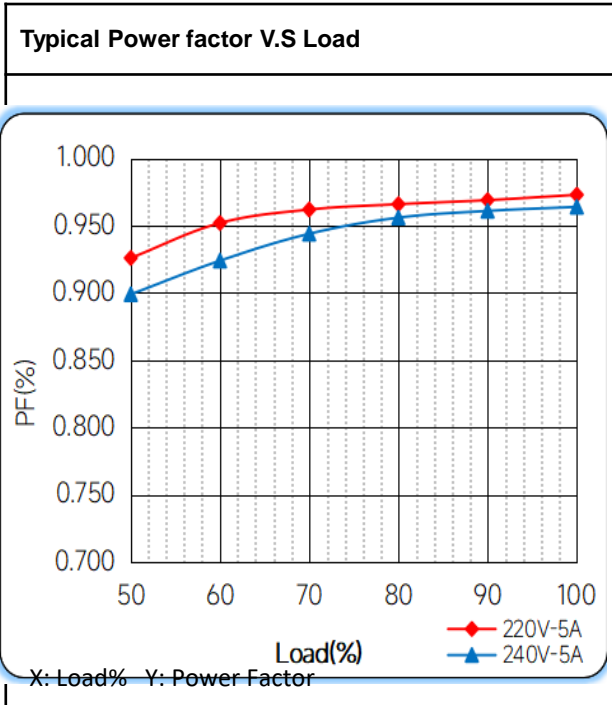
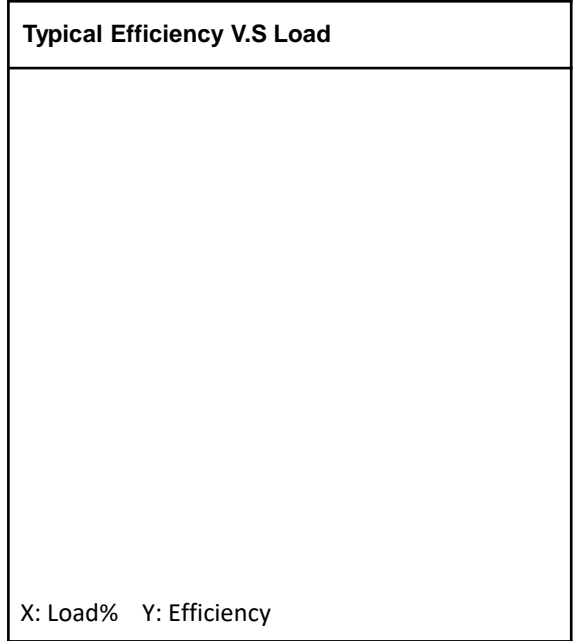
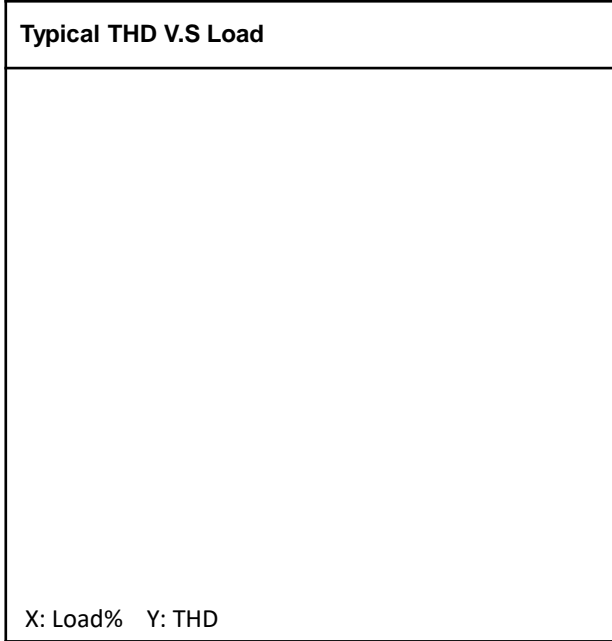
# Curves — LVED VAL 30/220-240/24 G3



# Curves — LVED VAL 60/220-240/24 G3

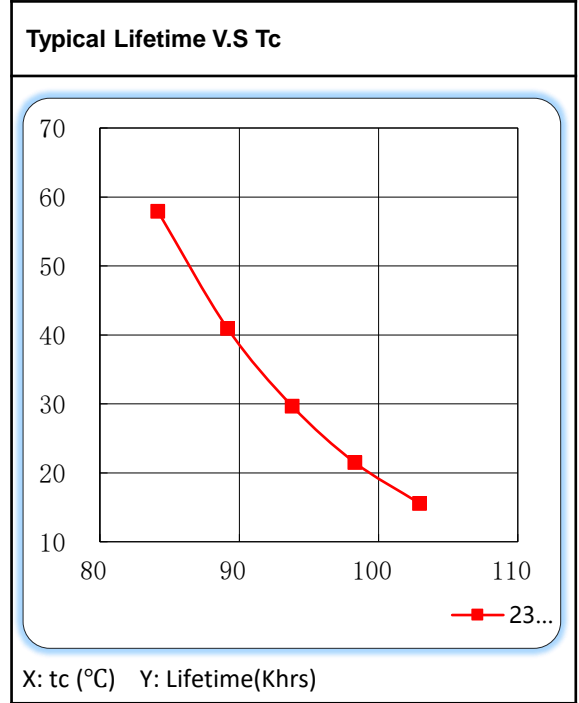
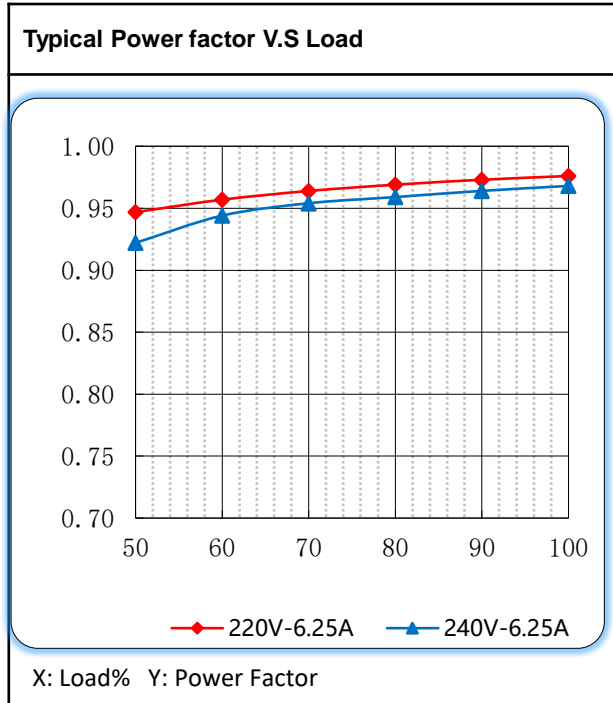
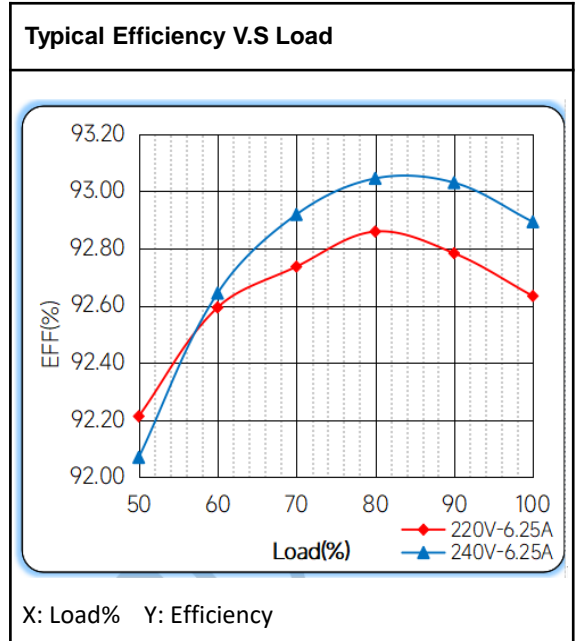
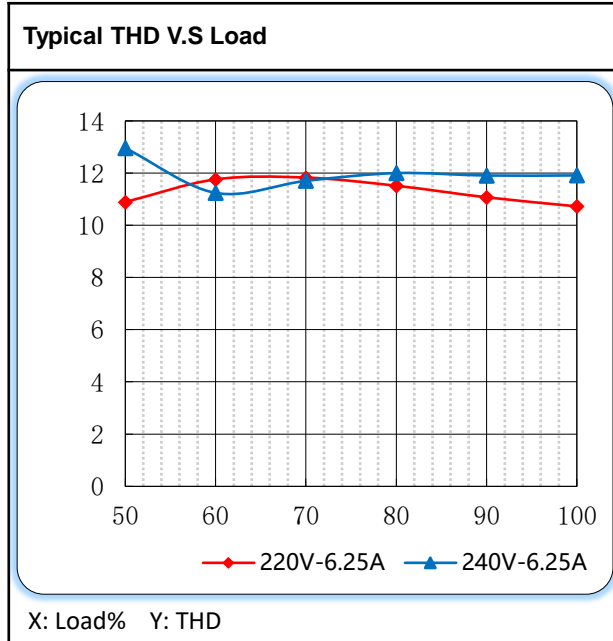


# Curves — LVED VAL 120/220-240/24 G3



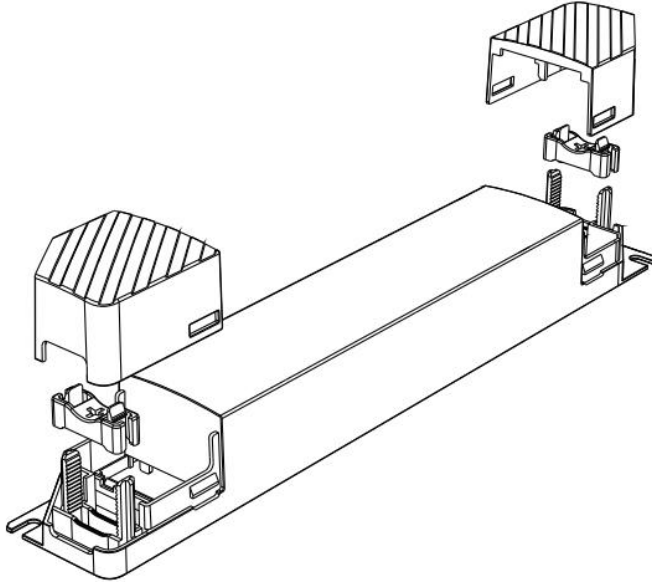


# Curves — LVED VAL 150/220-240/24 G3

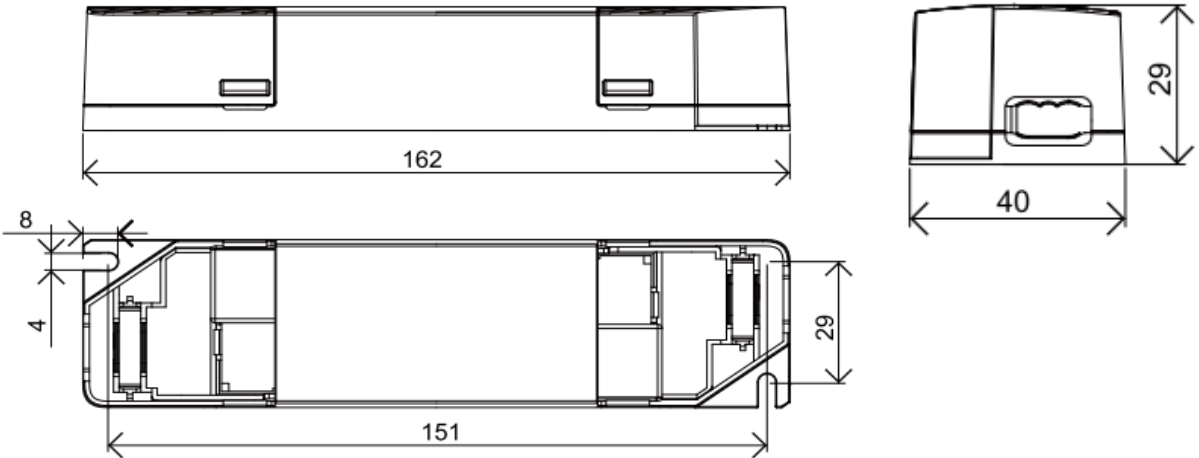




# Product Drawing



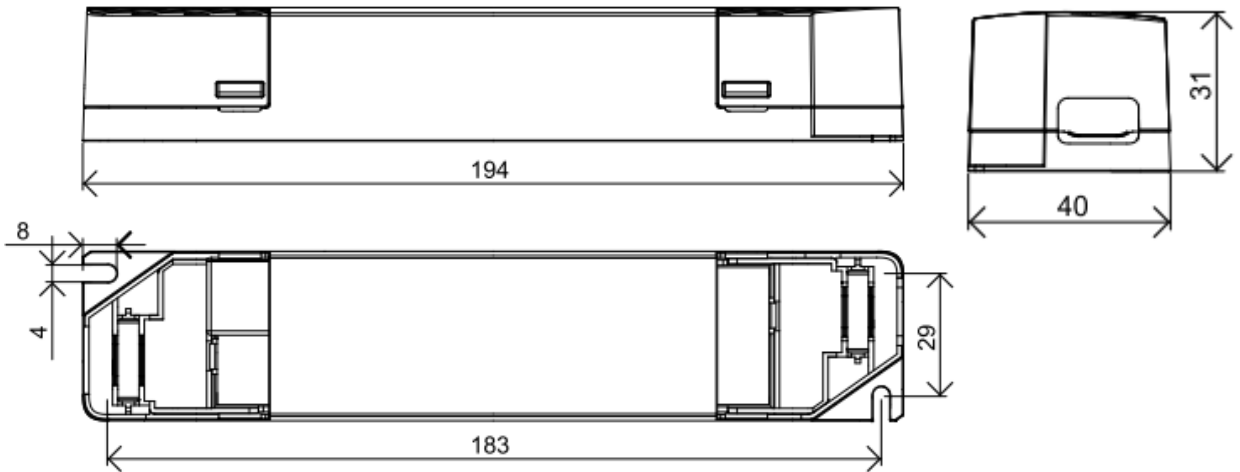
**LVED VAL 30/220-240/24 G3**



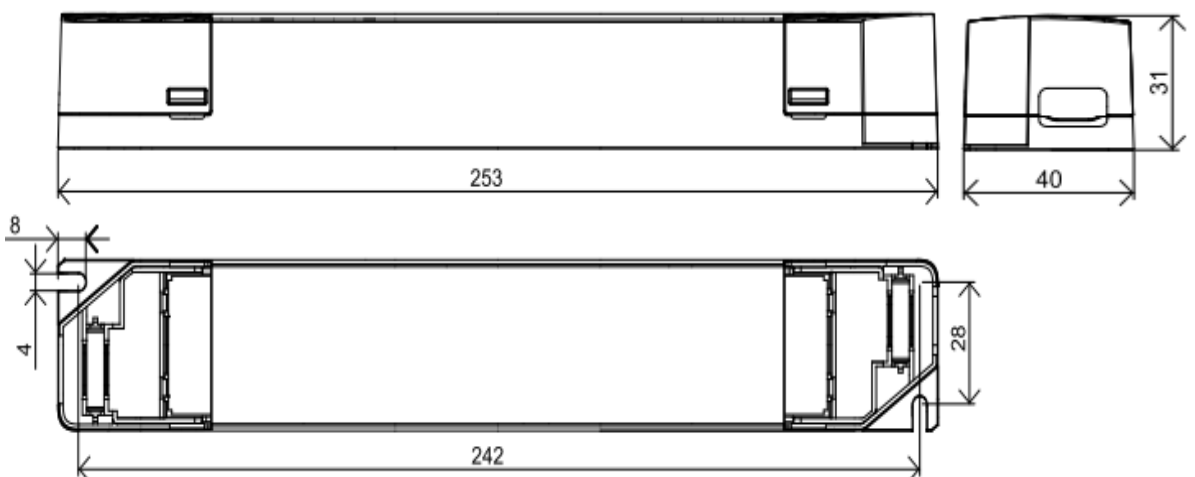
# Product Drawing

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## LVED VAL 60/220-240/24 G3

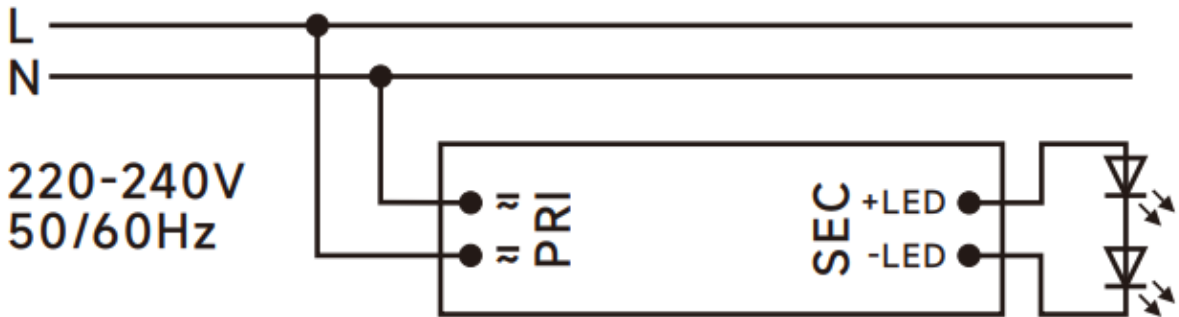


## LVED VAL 120/220-240/24 G3 & LVED VAL 150/220-240/24 G3

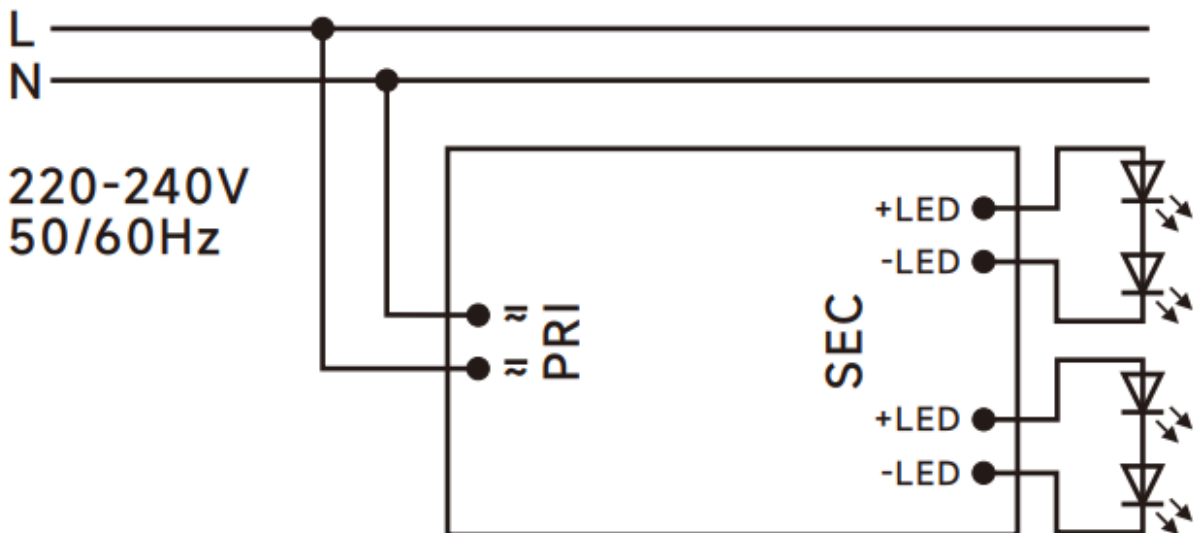


# Wiring Diagram

## LVED VAL 30/220-240/24 G3 & LVED VAL 60/220-240/24 G3



## LVED VAL 120/220-240/24 G3 & LVED VAL 150/220-240/24 G3



All connections must be kept as short as possible to ensure EMI performance.

# Ordering Information

Description	Model number	Shipping quantity	EAN-10	EAN-40	Remark
LVED VAL 30/220-240/24 G3	LVED VAL 30/220-240/24 G3	20	4099854203299	4099854203305	APM standard packaging
LVED VAL 60/220-240/24 G3	LVED VAL 60/220-240/24 G3	20	4099854203312	4099854203329	
LVED VAL 120/220-240/24 G3	LVED VAL 120/220-240/24 G3	20	4099854203336	4099854203343	
LVED VAL 150/220-240/24 G3	LVED VAL 150/220-240/24 G3	20	4099854203350	4099854203367	
LVED VAL 30/220-240/24 G3	LVED VAL 30/220-240/24 G3	20	4099854203374	4099854203381	Korean packaging
LVED VAL 60/220-240/24 G3	LVED VAL 60/220-240/24 G3	20	4099854203398	4099854203404	
LVED VAL 120/220-240/24 G3	LVED VAL 120/220-240/24 G3	20	4099854203411	4099854203428	
LVED VAL 150/220-240/24 G3	LVED VAL 150/220-240/24 G3	20	4099854203442	4099854203459	