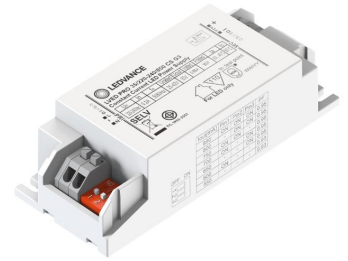


LED IP20 PERFORMANCE CONSTANT CURRENT CURRENT SELECTOR DRIVERS G3



Highlights:

- Class II design
- Extra small housing enable very compact fixture design
- 1 driver with 6-8 output currents by dip switch
- Both built-in and independent applications
- Lifetime up to 50,000 hours
- SELV
- Max. current up to 1.4A

Application Area:

- Hotel
- Residential
- Apartment
- Office
- Shop

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

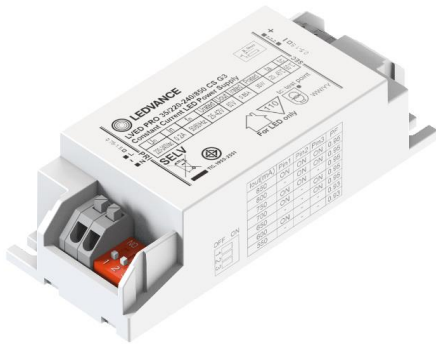


Intelligent, networked Smart Home & Smart Building solutions



Traditional light sources

LED IP20 PFM CONSTANT CURRENT CURRENT SELECTOR DRIVERS G3



Product Features:

- Constant current LED drivers
- Class II design
- Max. wattage is up to 58.8 W
- Output currents switchable by dip switch: from 90mA to 1400mA
- Output voltage: 25-42V DC
- IP20 for indoor application
- Lifetime up to 50,000 hours
- CB, EMC, RoHS certified
- SELV system
- Both build-in and independent applications

Product Benefits:

- Extra small housing enable very compact luminaire design
- Wide ambient temperature range -20 to +45°C
- Long lifetime to reduce maintenance cost
- Low current ripple to ensure the good quality of light
- High power factor, up to 0.98
- High flexibility due to 6-8 different output currents
- Independent installation with cable clamp



Application Areas:

- Hotel
- Residential
- Apartment
- Office
- Shop

Product Specification

LED PFM CC CS Drivers G3	10 W	21 W	29.4 W
Model name	LVED PRO 10/220-240/240 CS G3	LVED PRO 20/220-240/500 CS G3	LVED RRO 30/220-240/700 CS G3
Rated input voltage AC	220...240 V	220...240 V	220...240 V
Input voltage range AC	198...264 V	198...264 V	198...264 V
Frequency	50...60 Hz	50...60 Hz	50...60 Hz
Input current	Max. 60 mA	Max. 120 mA	Max. 170mA
Inrush current	18.8 A	21 A	23.6 A
Input wattage	Max. 12 W	Max. 24.5 W	Max. 33.8 W
Power factor	0.95 @ full load	0.95 @ full load	0.98 @ full load
No-load wattage	< 0.5 W	< 0.5 W	< 0.5 W
Power loss	2.05 W @ full load	3.26 W @ full load	4.4 W @ full load
THD	≤ 15 % @ full load	< 10 % @ full load	< 10% @ full load
Max. output power	Max. 10 W	Max. 21 W	Max. 29.4 W
Output voltage DC	25 - 42 V	25 - 42 V	25 - 42 V
Output current	Max. 240 mA	Max. 500 mA	Max. 700 mA
Efficiency	83 % @ full load	86 % @ full load	87 % @ full load
Output current ripple (≤ 120Hz)	< 5 %	< 5 %	< 5 %
Output current tolerance	± 5 % (210 / 240 mA) ± 8 % (90 / 120 / 150 / 180 mA)	± 5 %	± 5 %
Dimmable	N	N	N
Max. ECG no. on circuit breaker 10 A (B)	25	22	14
Max. ECG no. on circuit breaker 16 A (B)	32	28	17
Max. ECG no. on circuit breaker 25 A (B)	50	45	27
Surge capability (L-N)	1 KV	1 KV	1 KV
Galvanic isolation	SELV	SELV	SELV

Product Specification

LED PFM CC CS Drivers G3	10 W	21 W	29.4 W
Protection	Short circuit / Over-load / Over temperature / No load protection		
IP rating	IP20	IP20	IP20
Ambient temperature range, ta	-20...+45 °C	-20...+45 °C	-20...+45 °C
Maximum temperature at tc test point	70 °C	85 °C	90 °C
Max.housing temperature in case of fault	110 °C	110 °C	110 °C
Lifetime	50,000 hrs @ tc-max., 10% failure		
Housing material	Polycarbonate (PC)	Polycarbonate (PC)	Polycarbonate (PC)
Housing color	White	White	White
Dimension (L X W X H mm)	87 X 35 X 24 (build-in) 119 X 35 X 24 (independent)		
Product weight	67 g	72 g	107 g
Protection class	Class II	Class II	Class II
Cable cross-section, input side	0.75...1.5 mm ²	0.75...1.5 mm ²	0.75...1.5 mm ²
Cable cross-section, output side	0.5...1.5 mm ²	0.5...1.5 mm ²	0.5...1.5 mm ²
Wire preparation length, input side	8...9 mm	8...9 mm	8...9 mm
Wire preparation length, output side	8...9 mm	8...9 mm	8...9 mm
Type of connection, input side	Push terminal	Push terminal	Push terminal
Type of connection, output side	Push terminal	Push terminal	Push terminal
Certification	CB, EMC, RoHS		
Suitable for fixtures with prot. class	I / II	I / II	I / II

Product Specification

LED PFM CC CS Drivers G3	35.7 W	42 W	58.8 W
Model name	LVED PRO 35/220-240/850 CS G3	LVED PRO 42/220-240/1A CS G3	LVED PRO 59/220-240/1A4 CS G3
Rated input voltage AC	220...240 V	220...240 V	220...240 V
Input voltage range AC	198...264 V	198...264 V	198...264 V
Frequency	50...60 Hz	50...60 Hz	50...60 Hz
Input current	Max. 200 mA	Max. 240 mA	Max. 340mA
Inrush current	22.6 A	20 A	24.4 A
Input wattage	Max. 41 W	Max. 46 W	Max. 65.3 W
Power factor	0.98 @ full load	0.97 @ full load	0.97 @ full load
No-load wattage	< 0.5 W	< 0.5 W	< 0.5 W
Power loss	5.34 W @ full load	5.19 W @ full load	6.53 W @ full load
THD	< 10 % @ full load	< 10 % @ full load	< 10% @ full load
Max. output power	Max. 35.7 W	Max. 42 W	Max. 58.8 W
Output voltage DC	25 - 42 V	25 - 42 V	25 - 42 V
Output current	Max. 850 mA	Max. 1000 mA	Max. 1400 mA
Efficiency	87 % @ full load	89 % @ full load	90 % @ full load
Output current ripple (≤ 120Hz)	< 5 %	< 5 %	< 5 %
Output current tolerance	± 5 %	± 5 %	± 5 %
Dimmable	N	N	N
Max. ECG no. on circuit breaker 10 A (B)	16	19	12
Max. ECG no. on circuit breaker 16 A (B)	20	23	15
Max. ECG no. on circuit breaker 25 A (B)	31	37	24
Surge capability (L-N)	1 KV	1 KV	1 KV
Galvanic isolation	SELV	SELV	SELV

Product Specification

LED PFM CC CS Drivers G3	35.7 W	42 W	58.8 W
Protection	Short circuit / Over-load / Over temperature / No load protection		
IP rating	IP20	IP20	IP20
Ambient temperature range, ta	-20...+45 °C	-20...+45 °C	-20...+45 °C
Maximum temperature at tc test point	90 °C	85 °C	90 °C
Max.housing temperature in case of fault	110 °C	110 °C	110 °C
Lifetime	50,000 hrs @ tc-max., 10% failure		
Housing material	Polycarbonate (PC)	Polycarbonate (PC)	Polycarbonate (PC)
Housing color	White	White	White
Dimension (L X W X H mm)	87 X 35 X 24 (build-in) 119 X 35 X 24 (independent)	97 X 40 X 25 (build-in) 129 X 40 X25 (independent)	
Product weight	115 g	132 g	142 g
Protection class	Class II	Class II	Class II
Cable cross-section, input side	0.75...1.5 mm²	0.75...1.5 mm²	0.75...1.5 mm²
Cable cross-section, output side	0.5...1.5 mm²	0.5...1.5 mm²	0.5...1.5 mm²
Wire preparation length, input side	8...9 mm	8...9 mm	8...9 mm
Wire preparation length, output side	8...9 mm	8...9 mm	8...9 mm
Type of connection, input side	Push terminal	Push terminal	Push terminal
Type of connection, output side	Push terminal	Push terminal	Push terminal
Certification	CB, EMC, RoHS		
Suitable for fixtures with prot. class	I / II	I / II	I / II

Product Specification

➤ Output current setting by dip switch (default setting: Min. current)

LVED PRO 10/220-240/240 CS G3

lout	PIN1	PIN2	PIN3	Prated (W)	PF
240	ON	ON	ON	10.0	0.95
210	--	ON	ON	8.8	0.95
180	ON	ON	--	7.5	0.95
150	--	ON	--	6.3	0.95
120	ON	--	--	5.0	0.92
90	--	--	--	3.7	0.88

LVED PRO 20/220-240/500 CS G3

lout	PIN1	PIN2	PIN3	Prated (W)	PF
500	ON	ON	ON	21.0	0.95
450	--	ON	ON	18.9	0.95
400	ON	--	ON	16.8	0.95
350	--	ON	--	14.7	0.95
300	ON	--	--	12.6	0.92
250	--	--	--	10.5	0.88

Product Specification

➤ Output current setting by dip switch (default setting: Min. current)

LVED PRO 30/220-240/700 CS G3

Iout	PIN1	PIN2	PIN3	Prated (W)
700	ON	ON	ON	29.4
650	--	ON	ON	27.3
600	ON	ON	--	25.2
550	--	ON	--	23.1
500	ON	--	--	21.0
450	--	--	--	18.9

LVED PRO 35/220-240/850 CS G3

Iout	PIN1	PIN2	PIN3	Prated (W)
850	ON	ON	ON	35.7
800	--	ON	ON	33.6
750	ON	ON	--	31.5
700	ON	--	ON	29.4
650	--	--	ON	27.3
600	ON	--	--	25.2
550	--	--	--	23.1

Product Specification

➤ Output current setting by dip switch (default setting: Min. current)

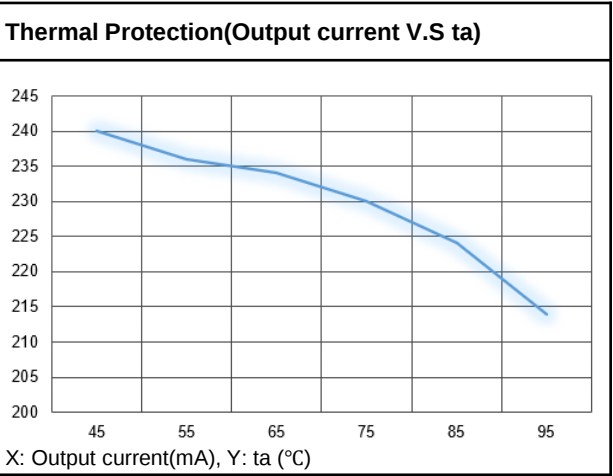
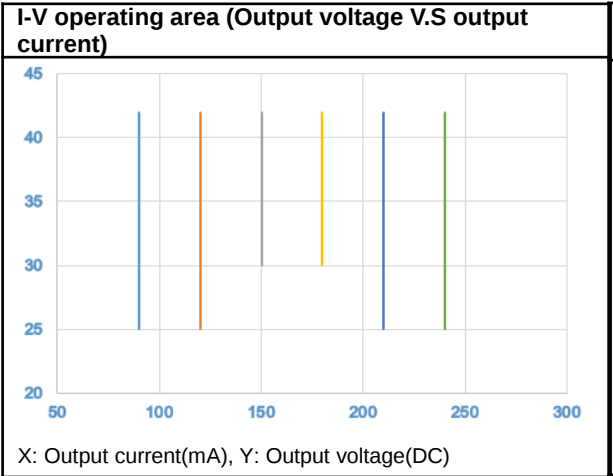
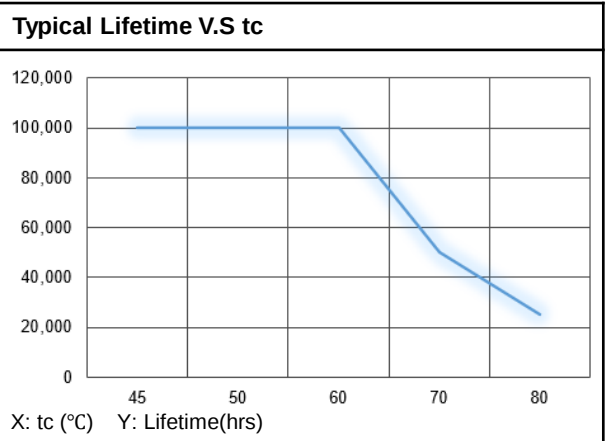
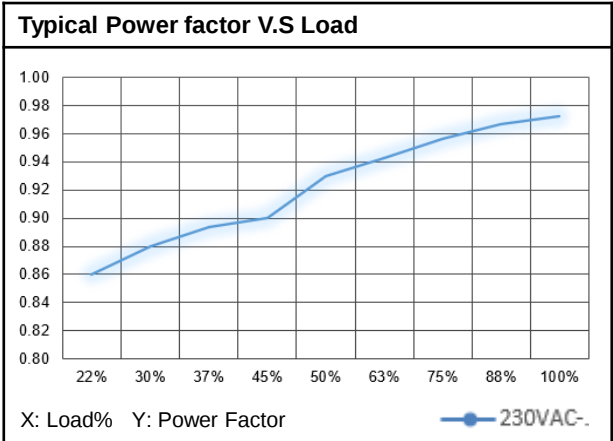
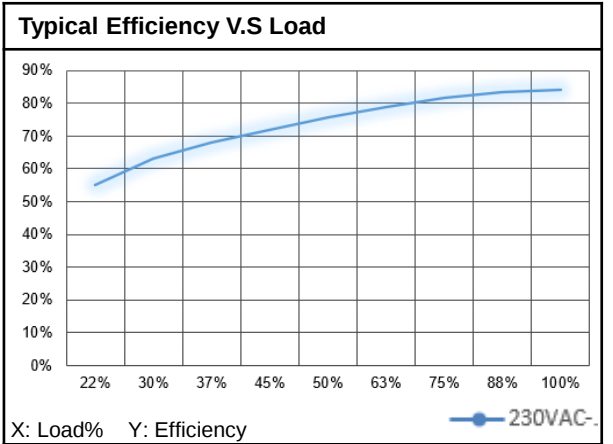
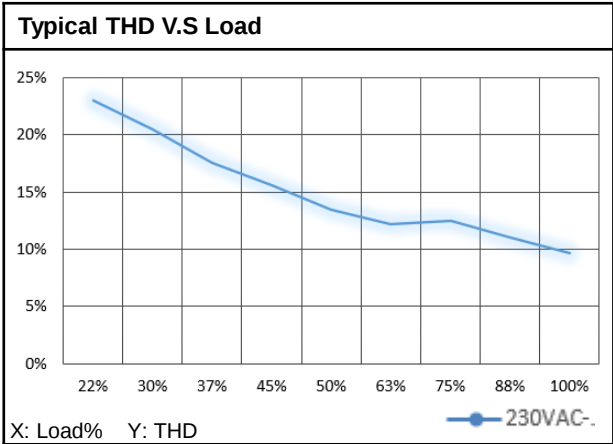
LVED PRO 42/220-240/1A CS G3

Iout	PIN1	PIN2	PIN3	Prated (W)
1000	ON	ON	ON	42.0
950	ON	ON	--	39.9
900	ON	--	ON	37.8
850	--	ON	ON	35.7
800	--	ON	--	33.6
750	--	--	ON	31.5
700	--	--	--	29.4

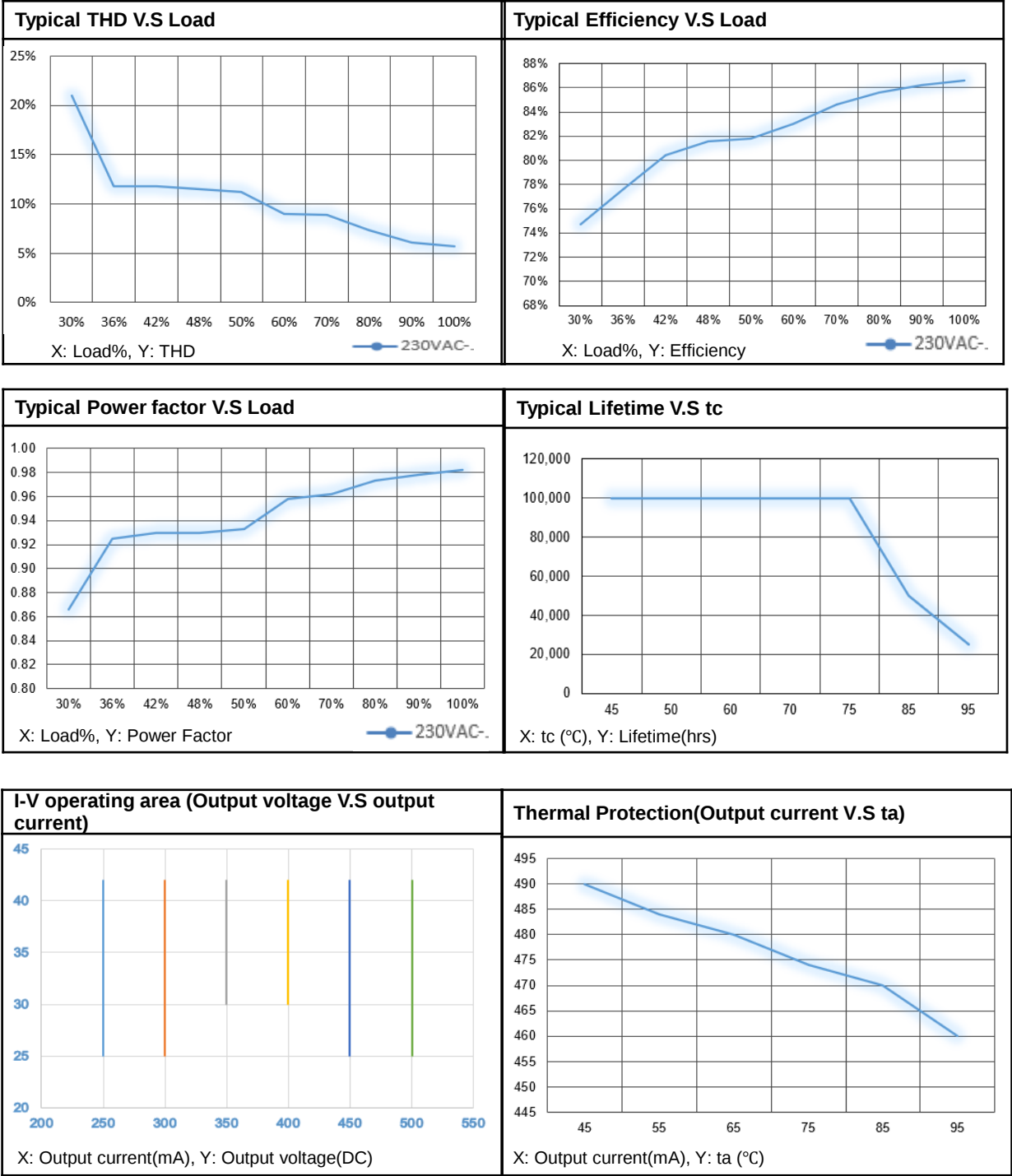
LVED PRO 59/220-240/1A4 CS G3

Iout	PIN1	PIN2	PIN3	Prated (W)
1400	ON	ON	ON	58.8
1350	ON	ON	--	56.7
1300	ON	--	ON	54.6
1250	ON	--	--	52.5
1200	--	ON	ON	50.4
1150	--	ON	--	48.3
1100	--	--	ON	46.2
1050	--	--	--	44.1

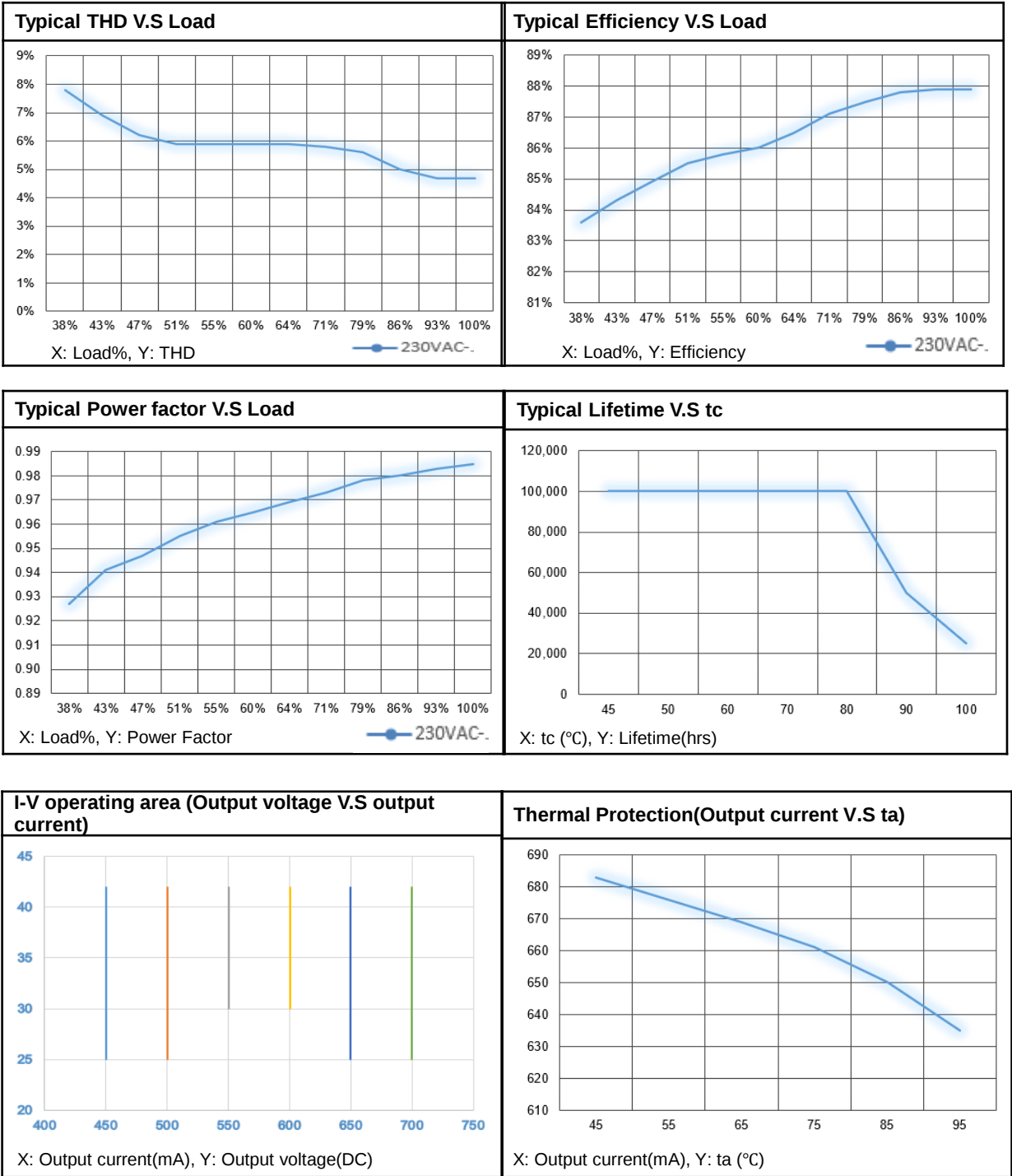
Curves — LVED PRO 10/220-240/240 CS G3



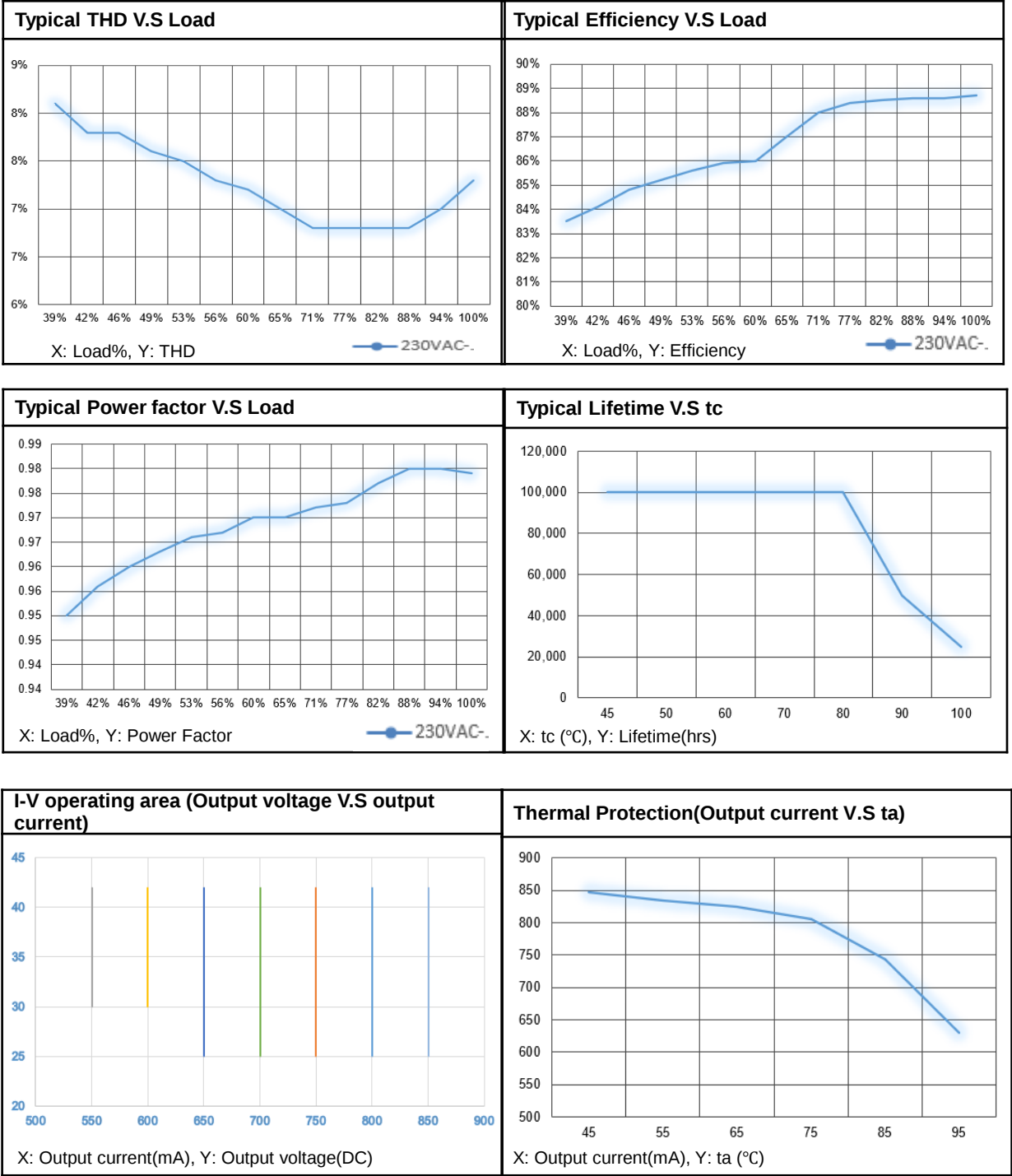
Curves—LVED PRO 20/220-240/500 CS G3



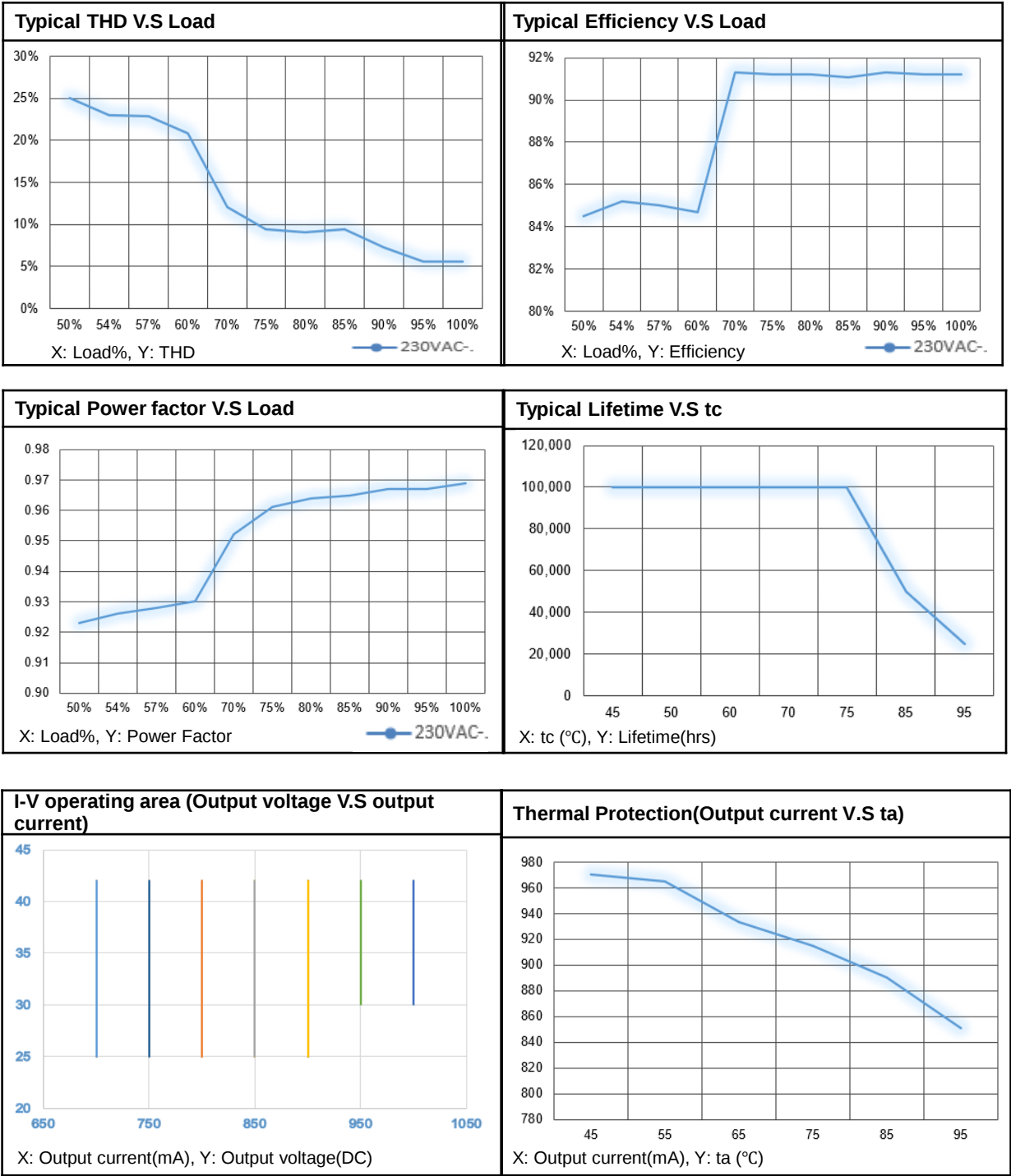
Curves—LVED PRO 30/220-240/700 CS G3



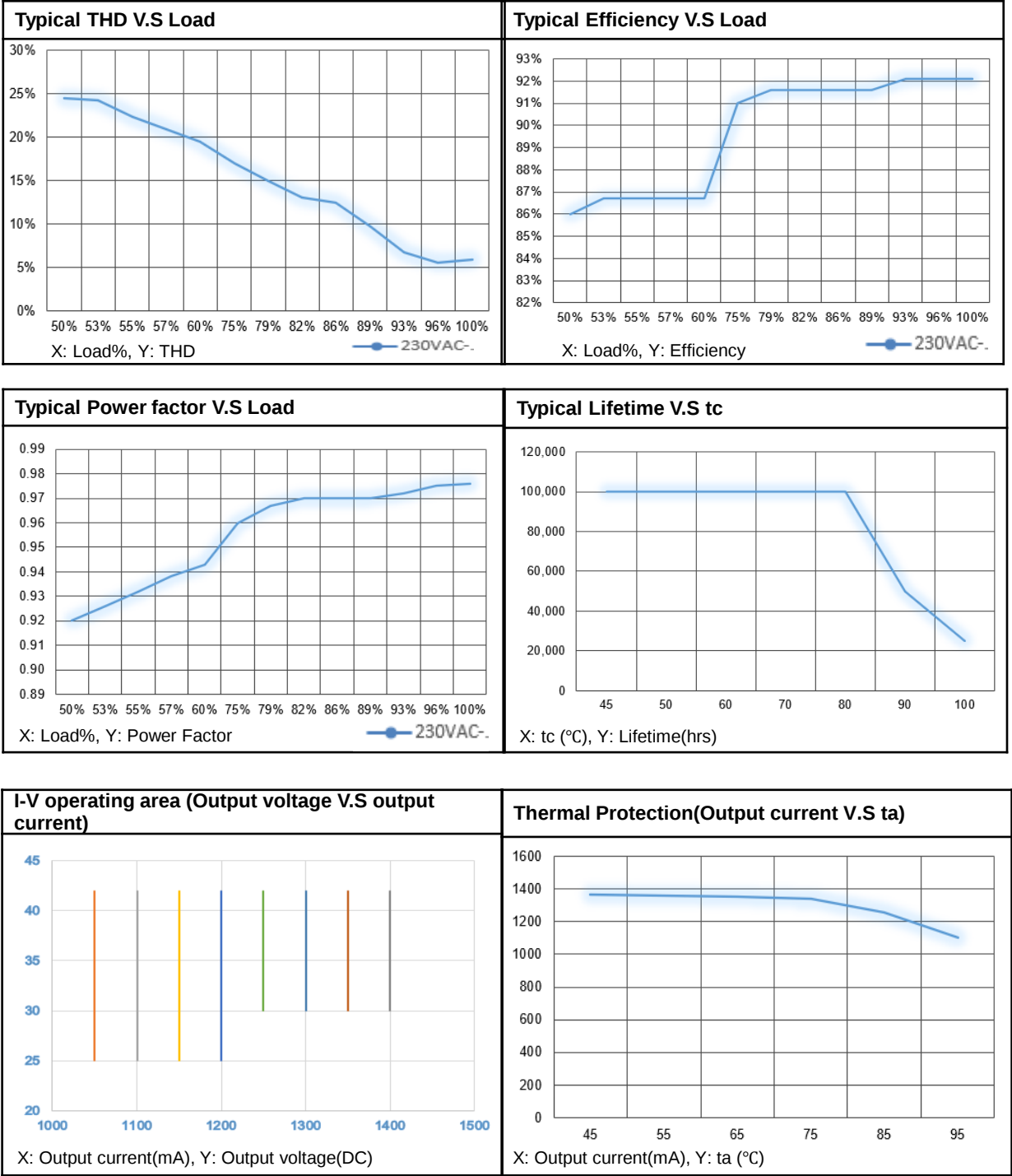
Curves—LVED PRO 35/220-240/850 CS G3



Curves—LVED PRO 42/220-240/1A CS G3



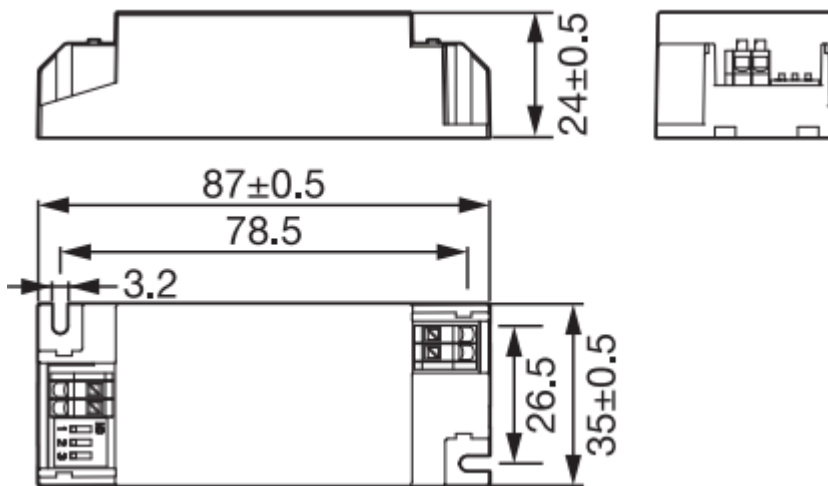
Curves—LVED PRO 59/220-240/1A4 CS G3



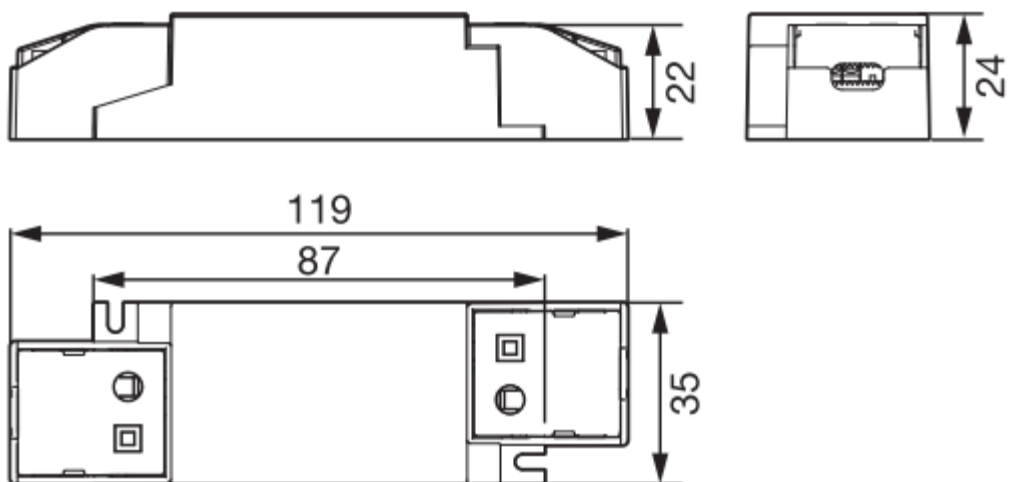
Product Drawing

LVED PRO 10/220-240/240 CS G3
LVED PRO 20/220-240/500 CS G3
LVED PRO 30/220-240/700 CS G3
LVED PRO 35/220-240/850 CS G3

➤ Build-in version



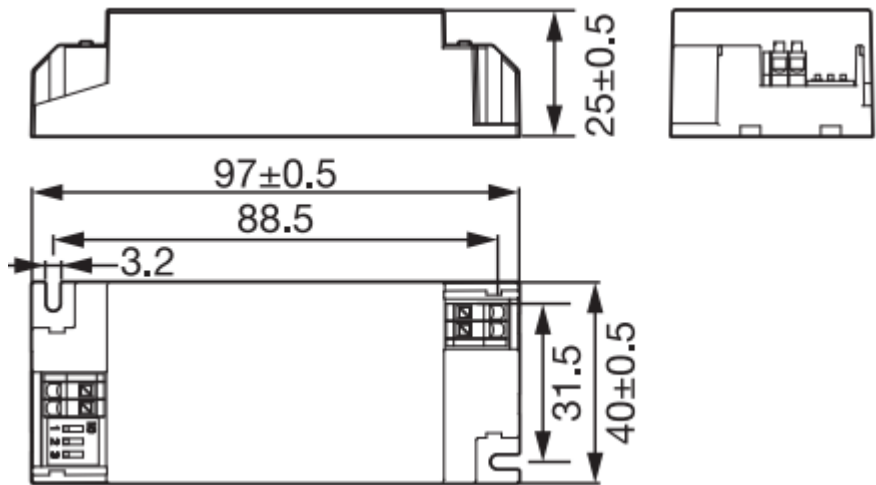
➤ Independent version



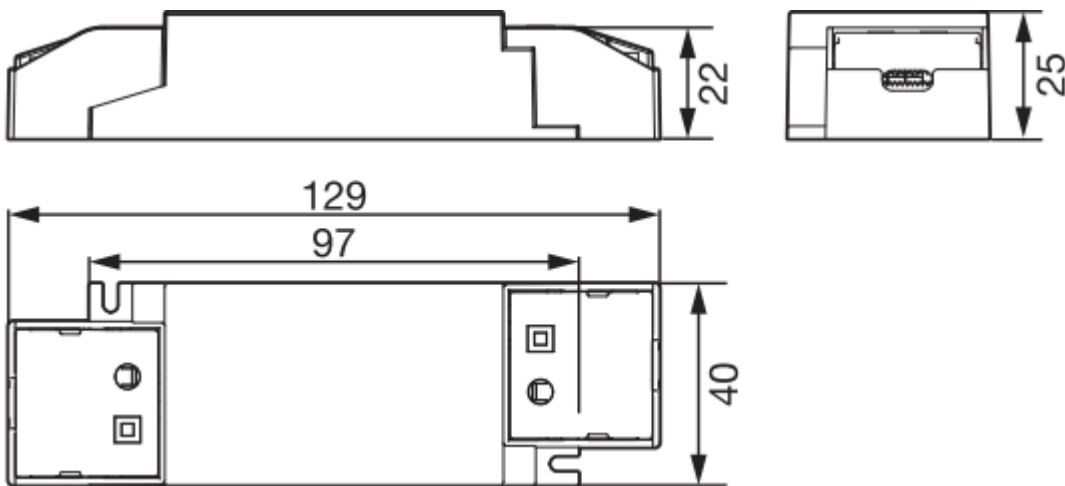
Product Drawing

LVED PRO 42/220-240/1A CS G3
LVED PRO 59/220-240/1A4 CS G3

➤ Build-in version



➤ Independent version



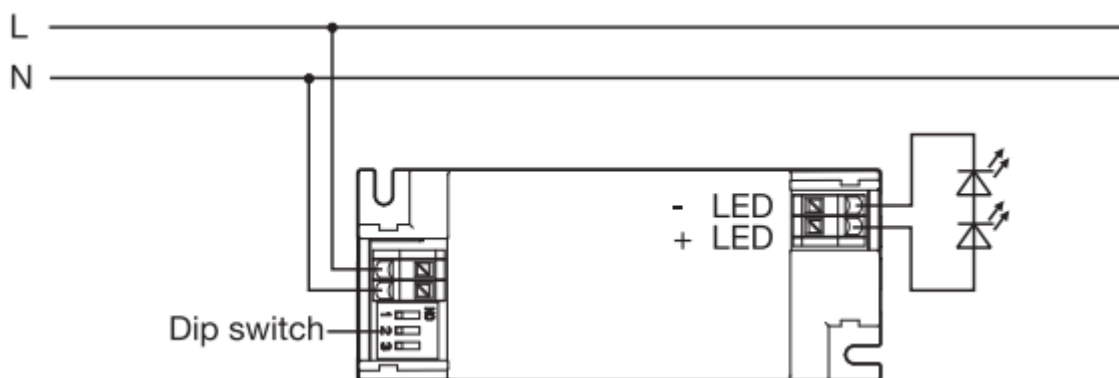
Wiring Diagram

LVED PRO 10/220-240/240 CS G3

LVED PRO 20/220-240/500 CS G3

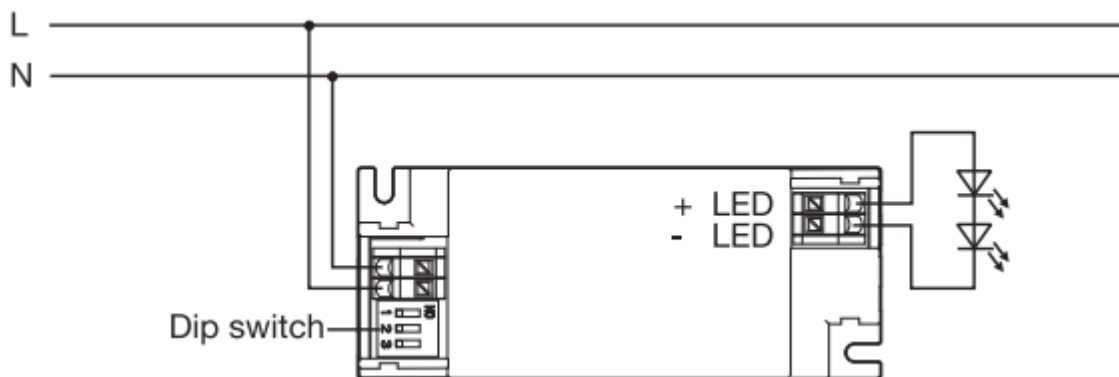
LVED PRO 30/220-240/700 CS G3

LVED PRO 35/220-240/850 CS G3



LVED PRO 42/220-240/1A CS G3

LVED PRO 59/220-240/1A4 CS G3



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

Ordering Information

Description	Model number	Shipping quantity	EAN10	EAN40
LVED PRO 10/220-240/240 CS VS40 G3LEDV	LVED PRO 10/220-240/240 CS G3	40	4099854201387	4099854201394
LVED PRO 20/220-240/500 CS VS40 G3LEDV	LVED PRO 20/220-240/500 CS G3	40	4099854201424	4099854201431
LVED PRO 30/220-240/700 CS VS40 G3LEDV	LVED PRO 30/220-240/700 CS G3	40	4099854201462	4099854201479
LVED PRO 35/220-240/850 CS VS40 G3LEDV	LVED PRO 35/220-240/850 CS G3	40	4099854201509	4099854201516
LVED PRO 42/220-240/1A CS VS40 G3 LEDV	LVED PRO 42/220-240/1A CS G3	40	4099854201547	4099854201554
LVED PRO 59/220-240/1A4 CS VS40 G3LEDV	LVED PRO 59/220-240/1A4 CS G3	40	4099854201561	4099854201578

Cable clamp IC list:

Description	Qty/Carton	EAN10	Mapping driver	Remark
LVA CABLE CLAMP CC CS G3 LW	40 sets	4099854247903	LVED PRO 10/220-240/240 CS G3 LVED PRO 20/220-240/500 CS G3 LVED PRO 30/220-240/700 CS G3 LVED PRO 35/220-240/850 CS G3	One driver needs one set (one set= two cable clamps)
LVA CABLE CLAMP CC CS G3 HW	40 sets	4099854247958	LVED PRO 42/220-240/1A CS G3 LVED PRO 59/220-240/1A4 CS G3	