

1x100 W Constant Current LED driver

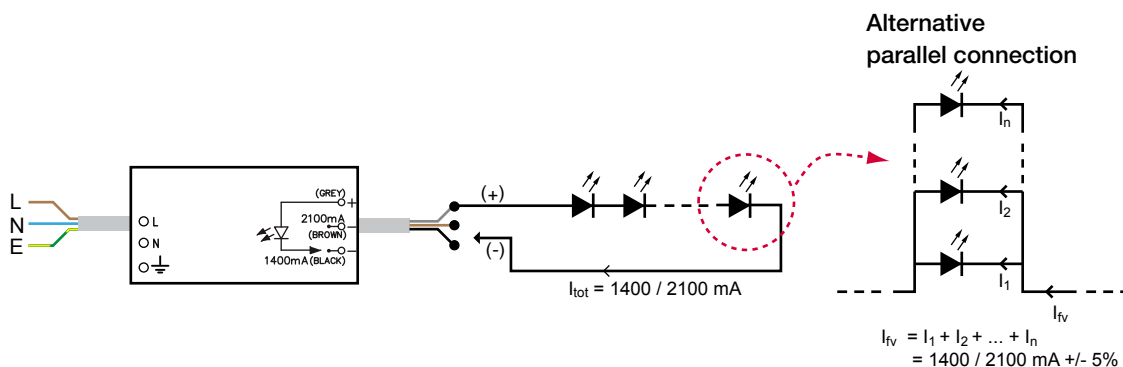


100 W 220-240 VAC, 50-60 Hz

- Selectable constant current output: 1400 / 2100 mA
- Maximum 101 W load
- Short circuit protection
- Open circuit protection
- Protected up to 4 kV power network fast transients
- High efficiency > 0.91
- High power factor, 0.98
- Suitable for outdoor use IP65



Connections



Note: Not suitable for load side switching operation.

Mains Characteristics

Voltage range	198 - 264 VAC
Max mains current at full load	0.44 - 0.58 A
Frequency	50 - 60 Hz
U-OUT _{max} (abnormal)	92 V

Load Output

Output current (I-OUT)	1400 / 2100 mA
Max output power	101 W
Efficiency, at full load, typical	≥ 0.91

I-OUT	1400 mA	2100 mA
P-out (max)	101 W	101 W
U-OUT	30 - 72 V	30 - 48 V
λ	0.98	0.98
η @ max	0.91	0.90

Operating Conditions and Characteristics

Max. temperature at tc point	85 °C
Ambient temperature range	-30...+60 °C
Storage temperature range	-40...+80 °C
Maximum relative humidity	100 %
Life time:	50 000 h, at 75 °C TC 30 000 h, at 85 °C TC (90 % survival rate)

Connections and Mechanical Data

Connection wires length	0.3 m
Maximum driver to LED wire length	5 m
Weight	750 g
IP rating	IP65

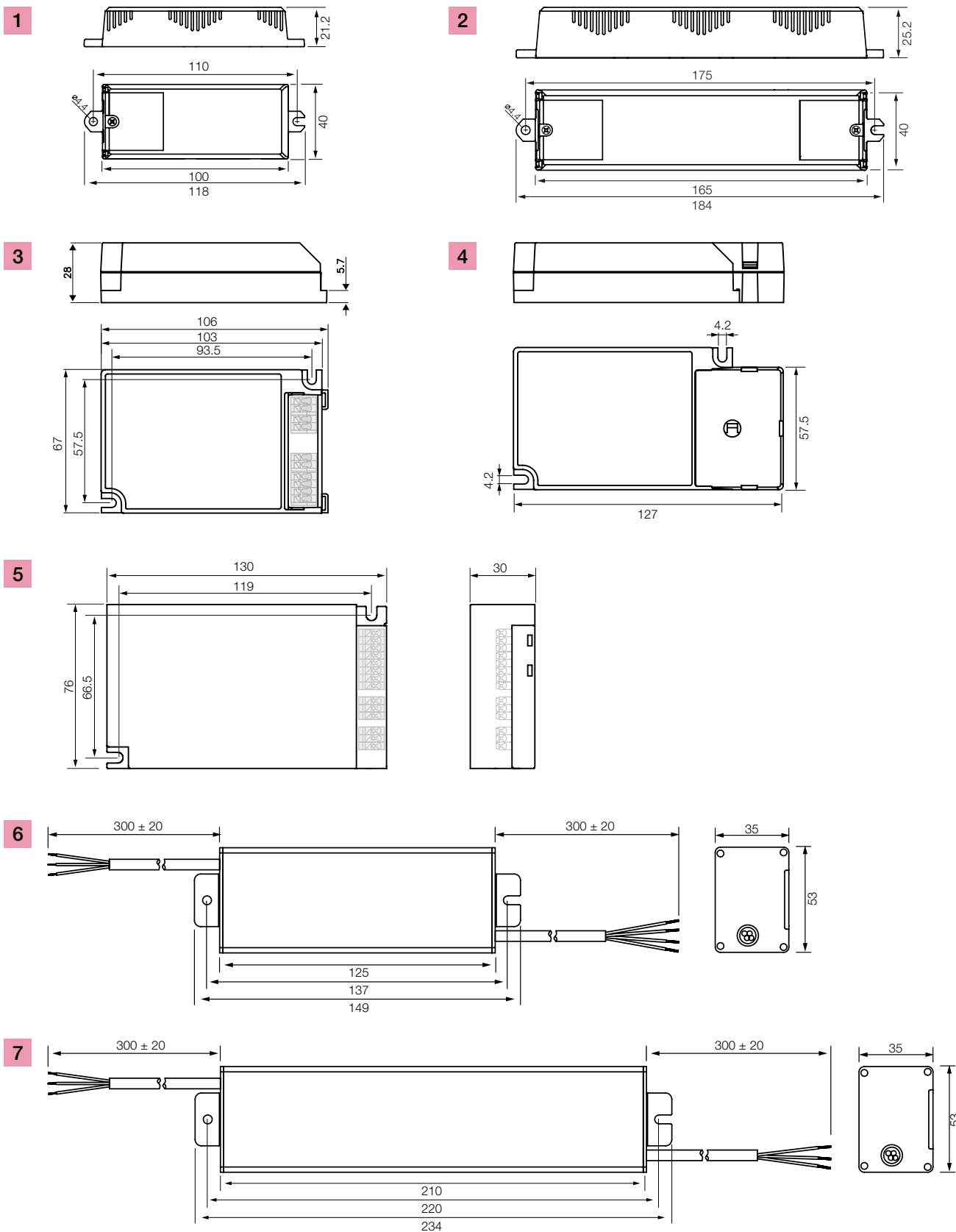
Conformity & Standards

General and safety requirements	EN 61347-1
Particular safety requirements for d.c. or a.c. supplied electronic controlgear for LED modules, acc. to	EN 61347-2-13
Thermal protection class	EN61347, C5e
Mains current harmonics, acc. to	EN 61000-3-2
Limits for Voltage Fluctuations and Flicker, acc. to	EN 61000-3-3
Radio Frequency Interference, acc. to	EN 55015
Immunity standard, acc. to	EN 61547
Performance requirements, acc to	EN 62384

Compliant with relevant EU directives
ENEC & CE marked

Note: See page 79 for dimensions, (no. 7)

Dimensions



1	LL6-U-CC
2	LL20-U-CC
3	LC1x30-E-CC, LC1x30-E-DA, LC1x30-E-AN
4	LC1x30-E-CC, LC1x30-E-DA, LC1x30-E-AN (+ LC1x30-SR)
5	LC50-U-DX3

6	OL1x60-E-CC
7	OL1x100-E-CC1, OL1x100-E-CC2