FRIWO®

Excellence In LED Power Solutions











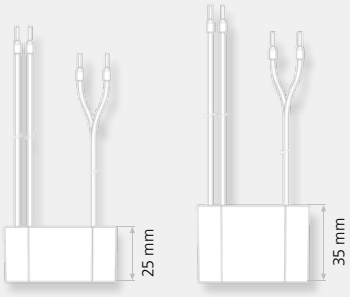


LED Drivers Standard Range

All products comply with EN61347-1 and EN61347-2-13

LT UP

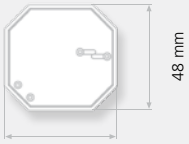




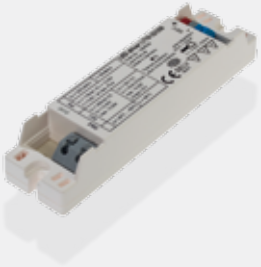
LT10-36 UP LT20-31 UP

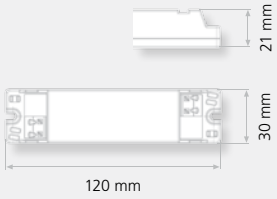
Model	Order No.	Output voltage*	Output current*
LT10-36 UP[1]	1895582	36 VDC	350 mA
LT20-31 UP[1]	1895583	31 VDC	700 mA

[1] without DIMMbox connection



LT 10 — 10 Watts

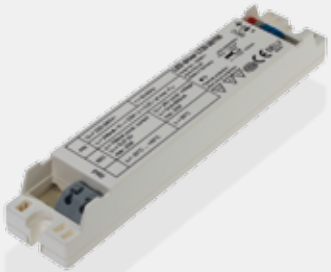


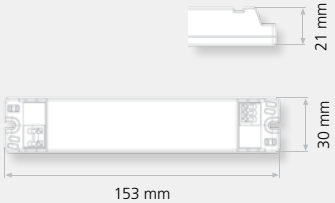


Model	Order No.	Output voltage*	Output current*
LT10-12[1]	1895611	1–12 VDC	3–700 mA
LT10-16[1]	1895089	1–16 VDC	3–700 mA
LT10-24[1]	1896009	1–24 VDC	3–550 mA
LT10-32[1]	1895008	2–32 VDC	3–350 mA
LT10-32 DB	1895541	2–32 VDC	3–350 mA

[1] without DIMMbox connection

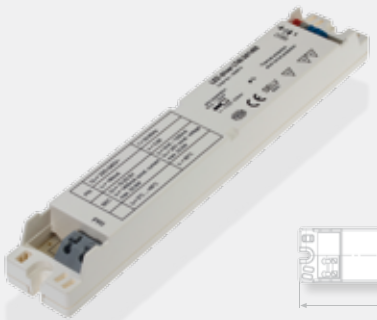
LT 20 — 20 Watts





Model	Order No.	Output voltage*	Output current*
LT20-24	1894910	15–24 VDC	0–833 mA
LT20-28	1894611	5–28 VDC	350–700 mA
LT20-40	1895718	15–40 VDC	0–450 mA
LT20-40	1894612	10–40 VDC	200–500 mA
LT20-48	1895720	15–48 VDC	0–200 mA
LT20-48	1894613	15–48 VDC	100–350 mA
LT20-48	1895013	15–48 VDC	0–417 mA

LT 40 — 40 Watts





Model	Order No.	Output voltage*	Output current*
LT40-24	1894614	10–24 VDC	700–1.400 mA
LT40-24	1894973	10–24 VDC	700–1460 mA
LT40-27	1895641	17–27 VDC	0–1.150 mA
LT40-36	1894615	15–36 VDC	500–1.050 mA
LT40-48	1894616	22–48 VDC	350–700 mA

* Standard units will be delivered with highest voltage and current output.

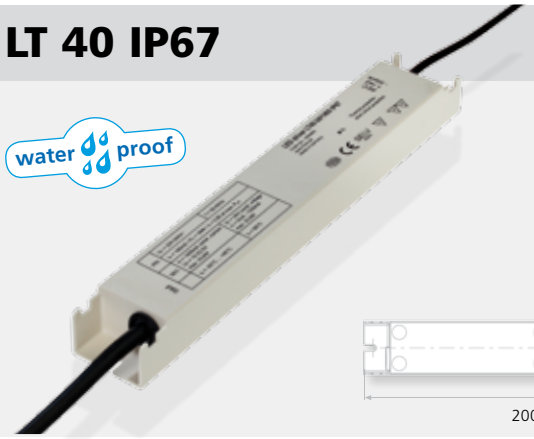
Characteristics:

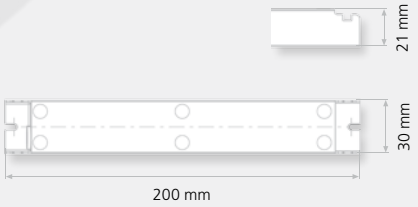
- Active PFC ≥ LT40
- Voltage and current regulation within single design
- High efficiency up to 91%
- Compact design 21x30mm (LT10-LT60), 24x30mm (LT100)
- Fastening by screws, rivets, cable straps or clips
- Minimal output tolerances
- LED dimmable with DALI, 1-10V or Switch-Dim via connectable DIMMbox
- Voltage and current adjustable in production process via laser trimming
- Overload protection
- Overtemperature protection
- Continuously short circuit proof

Technical Data:

- Input voltage: 220 – 240 V AC (±10%)
- Terminal block: 0,5..1,5 mm²
- Power factor: > 0,5 (LT-UP, LT10,LT20); >0,95 (LT40-LT100)
- Protection class: II
- IP rating: IP20, IP67 (LT-UP, LT40/67)
- Efficiency: up to 91%
- Standards EN61437-1, EN61347-2-13
- EMV: EN55012 EN61000-3-2 EN62384 EN61547

LT 40 IP67 — 40 Watts

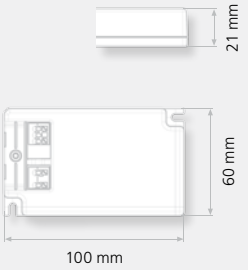




Model	Order No.	Output voltage*	Output current*
LT40-24 IP67	1894660	10–24 VDC	700–1.400 mA
LT40-36 IP67	1894661	15–36 VDC	500–1.050 mA
LT40-48 IP67	1894662	22–48 VDC	350–700 mA

LT 40 SQ — 40 Watts

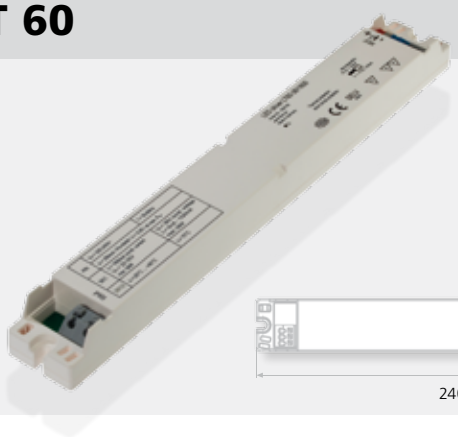


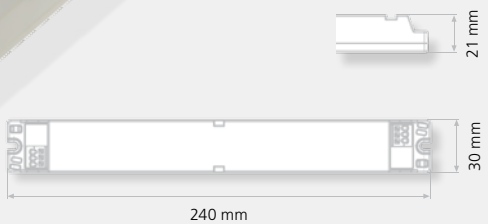


Model	Order No.	Output voltage*	Output current*
LT40-24 SQ	1895925	10–24 VDC	700–1.400 mA[1]
LT40-36 SQ	1896077	15–36 VDC	500–1.050 mA[1]
LT40-48 SQ	1896078	22–48 VDC	350–700 mA[1]

[1] available in autumn 2013

LT 60 — 60 Watts

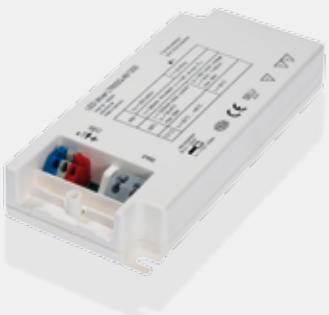


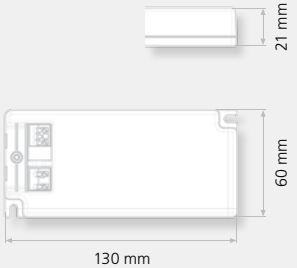


Model	Order No.	Output voltage*	Output current*
LT60-24	1894681	15–24 VDC	0–2.500 mA
LT60-36	1895136	22–36 VDC	0–1.600 mA
LT60-48	1895106	30–48 VDC	0–1.200 mA
LT60-24 WR	1895553	24 VDC	0–2.500 mA[1]

[1] wide range input 100-240V AC, LT100 housing, available in autumn 2013

LT 60 SQ — 60 Watts





Model	Order No.	Output voltage*	Output current*
LT60SQ-24	1895735	15–24 VDC	0–2.500 mA
LT60SQ-36	1895373	22–36 VDC	0–1.600 mA
LT60SQ-48	1895950	30–48 VDC	0–1.200 mA

* Standard units will be delivered with highest voltage and current output.

LT 60 DPA — 60 Watts



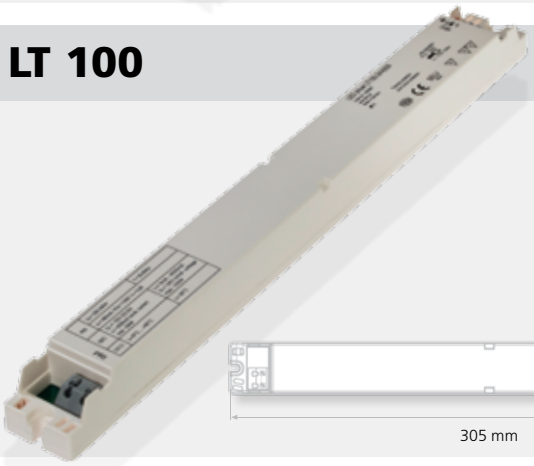
Output current adjustable by customer incl. DALI, Push-Dimm and 1-10V



Model	Order No.	Output voltage*	Output current*
LT60 DPA	1895499	18–42 VDC	350–1.400 mA



LT 100 — 100 Watts





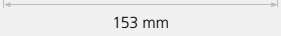
Model	Order No.	Output voltage*	Output current*
LT100-24	1894680	15–24 VDC	0–4.200 mA
LT100-36	1896218	22–36 VDC	0–2.800 mA
LT100-48	1896207	30–48 VDC	0–2.100 mA

DIMMbox









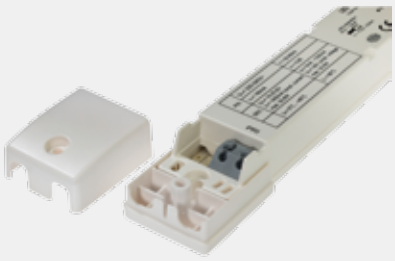
Model	Order No.	Output voltage	Output current
DIMMbox	1894848	48 VDC	5.000 mA
DIMMbox 1-10 OFF	1896084	48 VDC	5.000 mA

Description of functionality

A power supply/LED driver at the entrance of the DIMMbox supplies the DIMMbox and the connected LEDs with voltage. Brightness is controlled by a pulse width modulation (PWM) of the LED connection. The switching frequency is 600 Hz. The control range covers 10 % to 100 % intensity and 0 % in OFF state.

LT Accessories





LT SQ Cap **Order No. 1870704**
for LT 40 SQ, LT 60 SQ

LT Cap **Order No. 1839772**
for LT 10, LT 20, LT 40, LT 60, LT 100 and DIMMbox

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