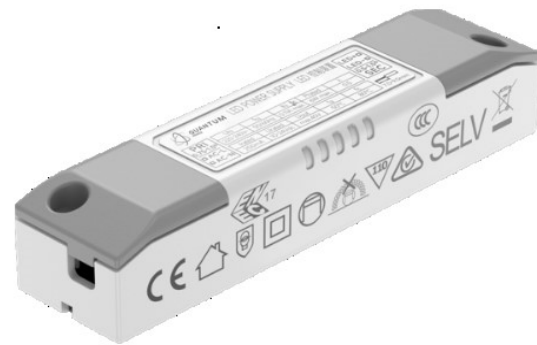


50W CONSTANT CURRENT STANDARD SERIES

Constant current LED driver that operates from 176-264Vac input with 600 to 1400mA output current. With it's compact dimensions from 142 x 45x30mm it is easy to integrate in LED Panel and down light products. To ensure trouble-free operation, protection is provided against output short circuit and over Load.

→ APPLICATION

- LED Panel
- LED Spot light
- LED Down light
- COB light



→ FEATURES

- Flicker
- Class II, SELV
- Protections: SCP/OLP/OVP
- Power Factor >0.9
- Efficiency ≥90%.
- Five years warranty



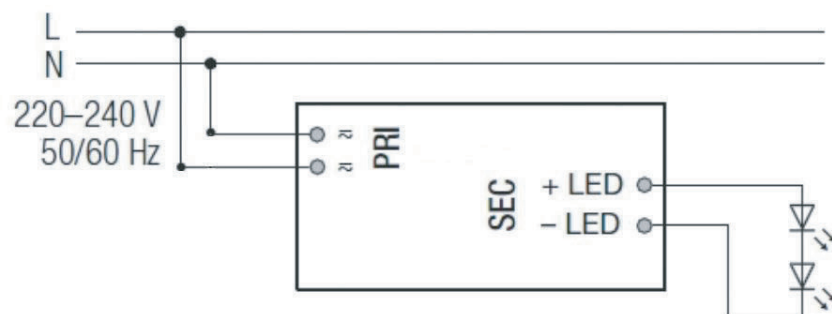
➔ **Technical data**

Input	Rated input voltage	220-240VAC				
	Range of input voltage	176-264VAC				
	Frequency(Hz)	0/50/60 Hz				
	Power Factor	0.9@220 - 240vac				
	Input Current max	0.39A MAX.				
	Start-up time	< 0.5S				
	Unload Power Consumption	≤0.5W				
	Inrush Current	20A Max.@Full Load,176VAC				
Output	Constant Current Max.	600mA	700mA	1000mA	...	1400mA
	No load voltage Max.	91VDC	80VDC	49VDC	...	44VDC
	Output Voltage Range	50-83.5VDC	42.5-71.5VDC	25-42VDC	...	21.5-36VDC
	Rated power	50.1W Max.	50.1W Max.	50W Max.	...	50.4W Max.
	Load Regulation	<3%				
	Hold-up Time	1s max.@Full Load				
	Efficiency(Typ.)	≥88%				
Protection		103-120%				
	Over Load Protection	Protection type: Auto Resume				
		91VDC	80VDC	49VDC	...	44VDC
		Protection type: Auto Resume				
	Short circuit Protection	Protection type: Auto Resume				
Environment	Operating Temperature	-10°C...+40°C				
	tc	75°C				
	Life time	> 30,000h@ta=45°C				
	Humidity	10%-90%RH				
Safety & EMC	Safety standards	EN 61347-1; EN61347-2-13				
	Withstand voltage	Input-Output : 3750V/5mA/1min				
	EMI	EN55015; EN61000-3-2 Class A; EN61000-3-3				
	EMS	EN 61547; EN 61000-4-2; EN 61000-4-5 —1000V;				
Note	Dimension	142x45x30(LXWXH)mm				
		Ripple and noise are measured at 20MHZ of bandwidth by using a 300mm twisted pair-wire terminated All parameters NOT specially mentioned are measured at 240VAC input, full load and 25C of ambient				

➔ **MODEL LIST**

MODEL	INPUT	OUTPUT			
		VOLTAGE (VDC)	MAX.V DC	CURRENT(MA)	POWER(VA)
QPEC-S-50-600 F S	220 - 240VAC,50/6 OHZ, 0.39AMAX	50-83.5	91	600	50.1
QPEC-S-50-650 F S		46.0-77.0	85	650	50.1
QPEC-S-50-700 F S		42.5-71.5	80	700	50.1
QPEC-S-50-750 F S		40.0-67.0	75	750	50.3
QPEC-S-50-800 F S		37.5-62.5	70	800	50
QPEC-S-50-850 F S		35.0-59.0	66	850	50.2
QPEC-S-50-900 F S		33.5-56.0	63	900	50.4
QPEC-S-50-950 F S		31.5-53.0	61	950	50.4
QPEC-S-50-1000 F S		30.0-50.0	58	1000	50
QPEC-S-50-1050 F S		28.5-48.0	56	1050	50.4
QPEC-S-50-1100 F S		27.0-45.5	50	1100	50.1
QPEC-S-50-1150 F S		26.0-43.5	50	1150	50
QPEC-S-50-1200 F S		25.0-42.0	49	1200	50.4
QPEC-S-50-1250 F S		24.0-40.0	48	1250	50
QPEC-S-50-1300 F S		23.0-38.5	46	1300	50.1
QPEC-S-50-1350 F S		22.0-37.0	45	1350	50
QPEC-S-50-1400 F S		21.5-36.0	44	1400	50.4

➔ **WIRING DIAGRAM**



LED DRIVER INDOOR
CONSTANT CURRENT
STANDARD

QPEC-S-50-XXX F S

→ DIMENSIONS

