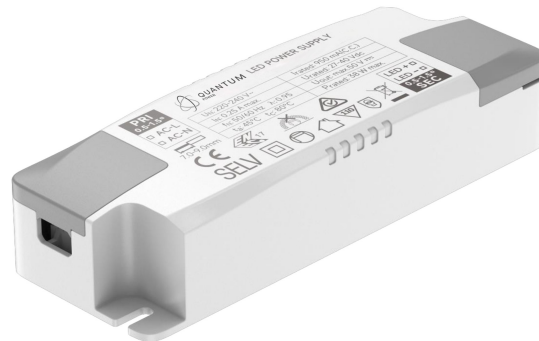


40W CONSTANT CURRENT STANDARD SERIES

Constant current LED driver that operates from 176-264Vac input with 500 to 1050mA output current. With its compact dimensions from 116 x 42.5 x 28mm 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 Strip
- LED Panel
- LED Spot light
- LED Down light



→ FEATURES

- Flicker
- Class II, SELV, independent
- Protections: SCP/OLP/OVP
- Power Factor >0.95
- Efficiency ≥88%.
- Five years warranty



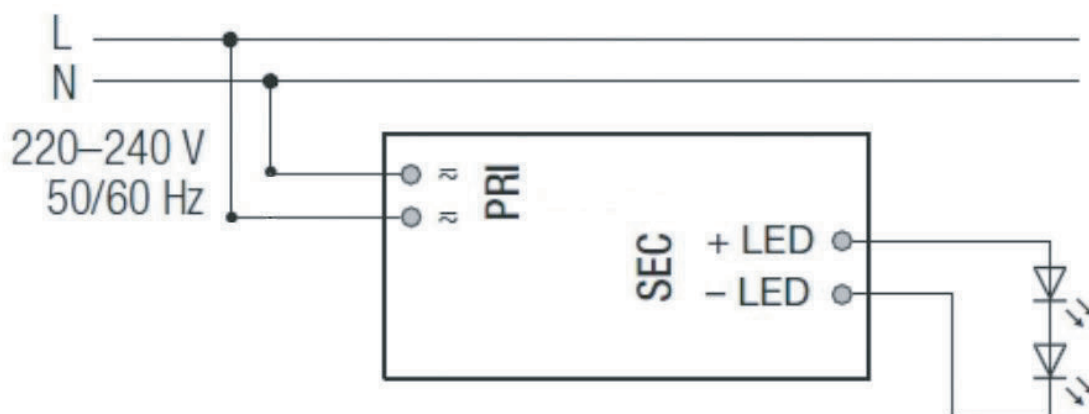
➔ Technical data

Input	Rated input voltage	220-240VAC				
	Range of input voltage	176-264VAC				
	DC voltage range	176-280V				
	Frequency(Hz)	0/50/60 Hz				
	Power Factor	0.95@220 - 240vac Full Load,				
	Input Current max	0.24A MAX. @Full Load,176VAC				
	Start-up time	< 0.5S				
	Unload Power Consumption	≤0.5W				
	Inrush Current	20A Max.				
Output	Constant Current Max.	500mA	700mA	900mA	...	1050mA
	No load voltage Max.	90VDC	63VDC	54VDC	...	48VDC
	Output Voltage Range	48-80VDC	32-56VDC	25-44.5VDC	...	23-40VDC
	Rated power	40W Max.	39.2W Max.	40.1W Max.	...	42W Max.
	Load Regulation	±5%				
	Hold-up Time	1s max.@Full Load				
	Efficiency(Typ.)	≥88%				
Protection	Over Load Protection	103-120%				
	Over Voltage Protection	Protection type: Auto Resume				
		> 90VDC	> 63VDC	> 54VDC	...	> 48VDC
		Protection type: Auto Resume				
	Short circuit Protection	Protection type: Auto Resume				
Environment	Operating Temperature	-20°C...+45°C				
	tc	85°C				
	Life time	> 30,000h@ta=45°C				
	Humidity	10%-90%RH				
Safety & EMC	Safety standards	EN 61347-1; EN61347-2-13; EN62384				
	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	116x42.5x28(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

No.	Model number	Input			Output			
		Voltage (VAC)	Max. Current(A)	Frequency (Hz)	Constant current (mA)	Normal working voltage (VDC)	No load working voltage (VDC)	Max. Power(W)
1	QPEC-S-40-500 F	220-240	0.24	50/60	500	48-80	90	40
2	QPEC-S-40-550 F	220-240	0.24	50/60	550	43.5-73	83	40.2
3	QPEC-S-40-600 F	220-240	0.24	50/60	600	40-67	77	40.2
4	QPEC-S-40-650 F	220-240	0.24	50/60	650	37-62	72	40.2
5	QPEC-S-40-700 F	220-240	0.24	50/60	700	32-56	63	39.2
6	QPEC-S-40-750 F	220-240	0.24	50/60	750	32-53.5	63	40.1
7	QPEC-S-40-800 F	220-240	0.24	50/60	800	30-50	60	40
8	QPEC-S-40-850 F	220-240	0.24	50/60	850	28.5-47.5	58	40.4
9	QPEC-S-40-900 F	220-240	0.24	50/60	900	25-44.5	54	40.1
10	QPEC-S-40-950 F	220-240	0.24	50/60	950	25-42	50	39.9
11	QPEC-S-40-1000 F	220-240	0.24	50/60	1000	24-40	50	40
12	QPEC-S-40-1050 F	220-240	0.24	50/60	1050	23-40	48	42

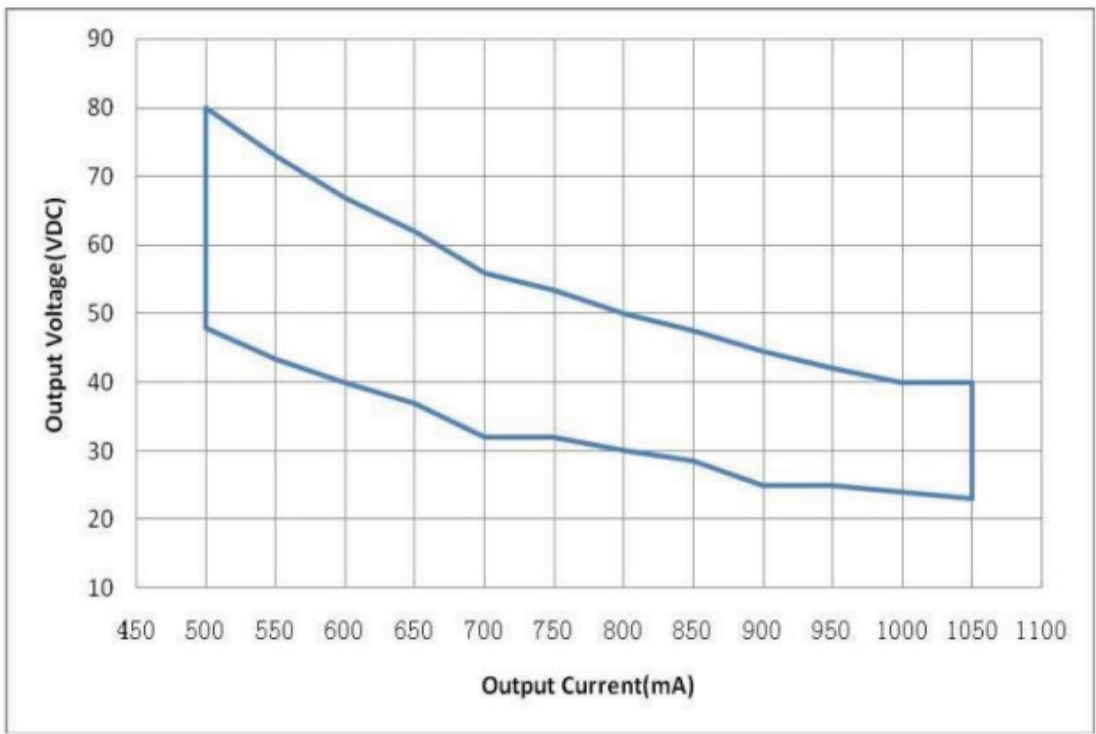
→ WIRING DIAGRAM



LED DRIVER INDOOR
CONSTANT CURRENT
STANDARD

QPEC-S-40-XXX F

→ OPERATING WINDOW



→ DIMENSIONS

