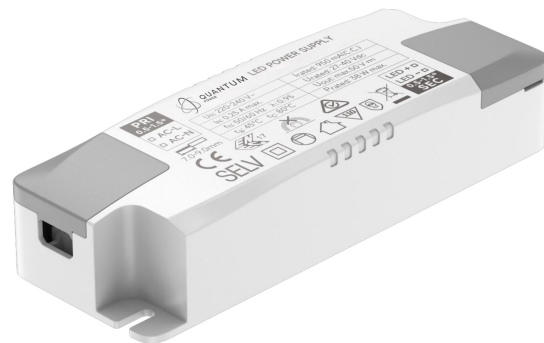


16W CONSTANT CURRENT STANDARD SERIES

Constant current LED driver that operates from 176-264Vac input with 300 to 700mA output current. With its compact dimensions from 92 x 36 x 24.5mm 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, independent
- Protections: SCP/OLP/OVP
- Power Factor >0.9C
- Efficiency ≥85%.
- Five years warranty



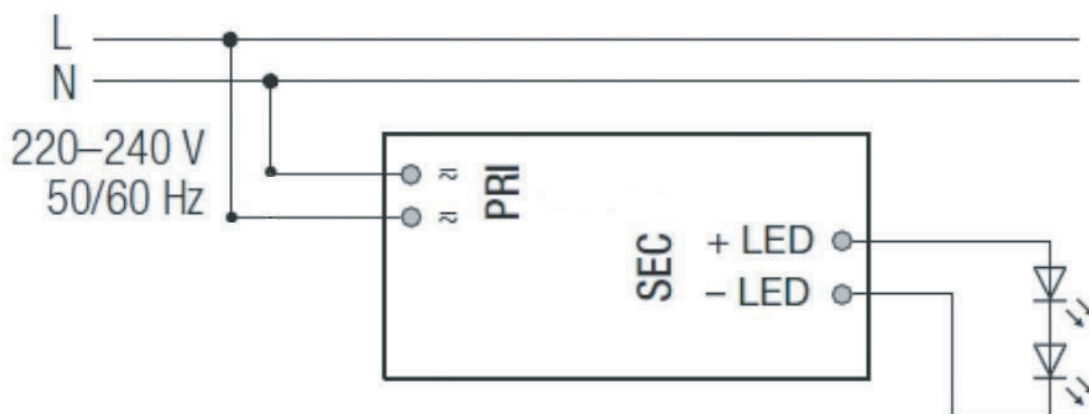
➔ **Technical data**

Input	Rated input voltage	220-240VAC				
	DC voltage range	176-280V				
	Frequency(Hz)	0/50/60 Hz				
	Power Factor	0.9C@Full Load,240VAC				
	Input Current max	0.12A MAX. @Full Load,176VAC				
	Start-up time	< 0.5S				
	Unload Power Consumption	≤0.5W				
	Inrush Current	20A Max.				
Output	Constant Current Max. *Note.3	300mA	350mA	500mA	...	700mA
	No load voltage Max.	63VDC	56VDC	42VDC	...	33VDC
	Output Voltage Range	27-54VDC	23-46VDC	19-32VDC	...	14-23VDC
	Rated power	16.2W Max.	16.1W Max.	16W Max.	...	16.1W Max.
	Load Regulation	±5%@220-240VAC				
	Hold-up Time	1s max.@Full Load				
	Efficiency(Typ.)	≥85%				
Protection	Over Load Protection	103-120%				
		Protection type: Auto Resume				
	Over Voltage Protection	> 63VDC	> 56VDC	> 42VDC	...	> 33VDC
	Protection type: Auto Resume					
	Short circuit Protection	Protection type: Auto Resume				
Environment	Operating Temperature	-20 °C ... +45 °C				
	tc	80 °C				
	Humidity	20%-90%RH				
	Safety standards	EN 61347-1; EN61347-2-13;				
	Withstand voltage	Input-Output : 3750V/5mA/1min				
	EMI	EN55015; EN61000-3-2 Class C; EN61000-3-3				
	EMS	EN 61547; EN 61000-4-2; EN 61000-4-5 —1000V;				
	Dimension	92X36X24.5(LXWXH)mm				
Note	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					

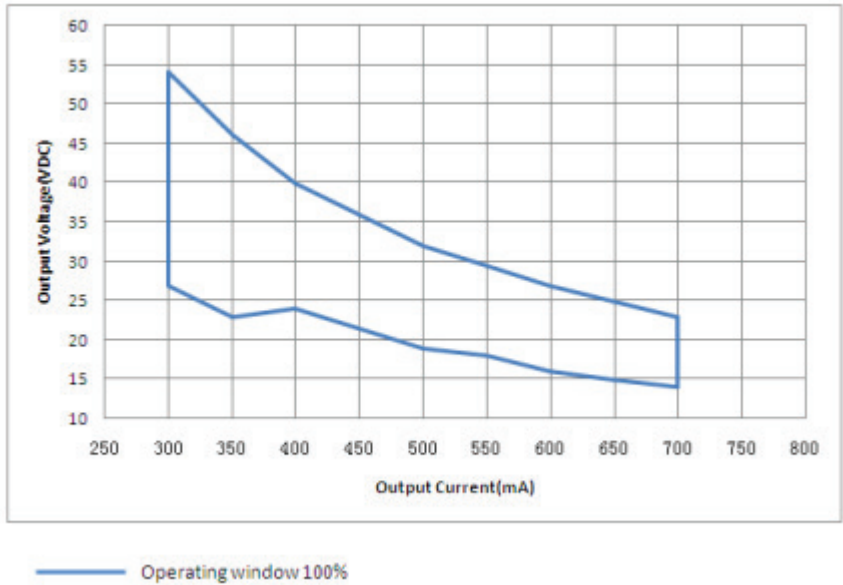
➔ **MODEL LIST**

Model number	Input			Output			P(W)
	Voltage (VAC)	Current (A)	Frequency (Hz)	Constant current (mA)	Normal working voltage (VDC)	No load working voltage (VDC)	
QPEC-S-16-300 F	220-240	0.12	50/60	300	27-54	63	16.2
QPEC-S-16-350 F	220-240	0.12	50/60	350	23-46	56	16.1
QPEC-S-16-400 F	220-240	0.12	50/60	400	24-40	50	16
QPEC-S-16-450 F	220-240	0.12	50/60	450	21.5-36	46	16.2
QPEC-S-16-500 F	220-240	0.12	50/60	500	19-32	42	16
QPEC-S-16-550 F	220-240	0.12	50/60	550	18-29.5	40	16.2
QPEC-S-16-600 F	220-240	0.12	50/60	600	16-27	37	16.2
QPEC-S-16-650 F	220-240	0.12	50/60	650	15-25	35	16.3
QPEC-S-16-700 F	220-240	0.12	50/60	700	14-23	33	16.1

➔ **WIRING DIAGRAM**



→ OPERATING WINDOW



→ DIMENSIONS

