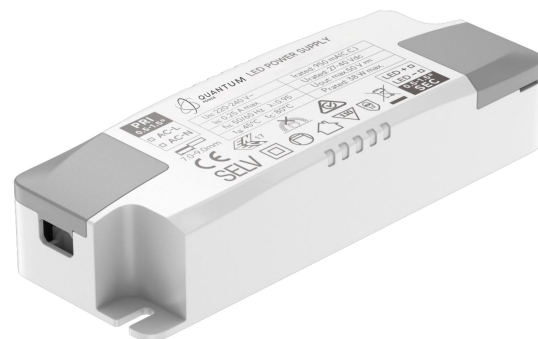


40W CONSTANT CURRENT STANDARD SERIE

Constant current LED driver with 350 to 1200mA output current. With it's compact dimensions from 116 x 42.5 x 28mm it is easy to integrate in LED Panel, spot and down lights product. To ensure trouble-free operation, protection is provided against output short circuit and over Load.

→ APPLICATION

- LED Panel
- LED Spot light
- LED Down light



→ FEATURES

- Flicker free
- Class II, SELV, independent
- Protections: SCP/OLP/OVP
- Power Factor >0.95
- Efficiency ≥82%.
- Five years warranty



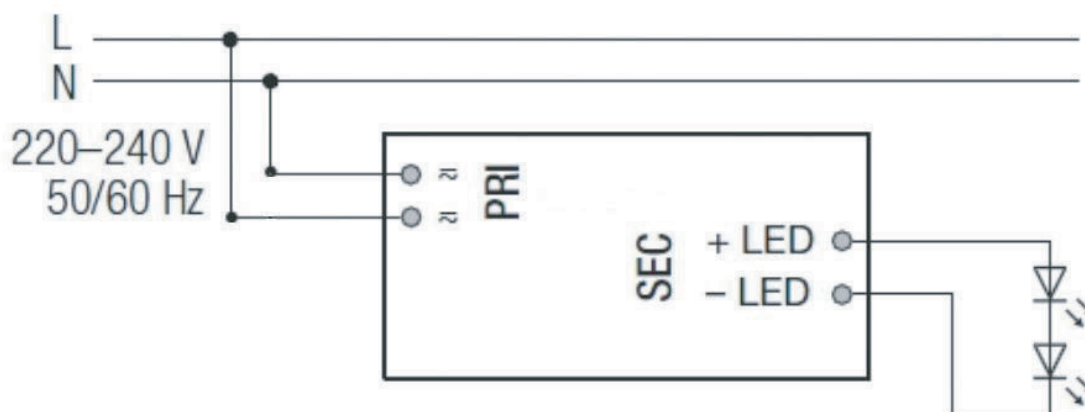
➔ **Technical data**

Input	Range input Voltage	176-264VAC			
	DC voltage range	176-280V			
	Frequency(Hz)	0/50/60 Hz			
	Power Factor	>0.95@240Vac, Full load			
	Input Current max	0.32A MAX. @Full Load,176VAC			
	Start-up time	< 0.5S			
	Unload Power Consumption	≤0.5W			
	Inrush Current	40A Max.			
Output	Constant Current Max.*Note.3	350mA			
	Unload voltage Max.	120VDC			
	Voltage Range (VDC)	69-112VDC			
	Rated power	39.2W Max.			
	Load Regulation	±5%@220-240VAC			
	Hold-up Time	1s max.@Full Load			
	Efficiency(Typ.)	≥88%			
Protection	Over Load Protection	103-120%			
		Protection type: Auto Resume			
	Over Voltage Protection	> 120VDC			
		Protection type: Auto Resume			
	Short circuit Protection	Protection type: Auto Resume			
	Over Temperature protection	NA			
Environment	Operating Temperature	-20°C...+45°C			
	tc	85°C			
	Storage Temperature	-25°C...+60°C			
	Life time	>50,000H@ta=45°C			
	Humidity	20%-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 C; EN61000-3-3			
	EMS	EN 61547; EN 61000-4-2; EN 61000-4-5 —1000V;			
	Dimension	116X42.5X28(LXWXH)mm			
Note	<p>1.All parameters NOT specially mentioned are measured at 240VAC input , full load and 25°C of ambient temperature.</p> <p>2.Ripple & Noise are measured at 20MHz of bandwidth by using a 300mm twisted pair-wire terminated with a 0.1uF & 47 uF parallel capacitor.</p> <p>3.Output current can be from 350mA to 1200mA and increasing in multiples of 50mA</p>				

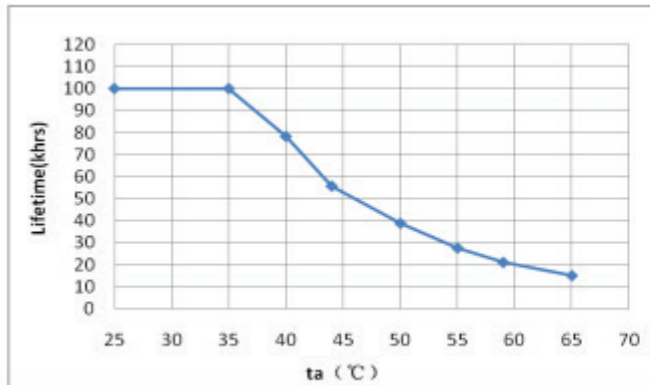
→ ADJUSTABLE OUTPUT CURRENT WITH DIP-SWITCH

No.	Model number	Input			Output			
		Voltage (VAC)	Current (A)	Frequency (Hz)	Constant current (mA)	Normal working voltage (VDC)	No load working voltage (VDC)	P _{rated} (W)
1	QP-40-350-FELI3	220-240	0.32	50/60	350	69-112	120	39.2
2	QP-40-400-FELI3	220-240	0.32	50/60	400	60-100	110	40
3	QP-40-450-FELI3	220-240	0.32	50/60	450	54-90	100	40.5
4	QP-40-500-FELI3	220-240	0.32	50/60	500	48-80	90	40
5	QP-40-550-FELI3	220-240	0.32	50/60	550	43.5-73	83	40.2
6	QP-40-600-FELI3	220-240	0.32	50/60	600	40-67	77	40.2
7	QP-40-650-FELI3	220-240	0.32	50/60	650	37-62	72	40.3
8	QP-40-700-FELI3	220-240	0.32	50/60	700	34.5-57.5	67	40.3
9	QP-40-750-FELI3	220-240	0.32	50/60	750	32-53.5	63	40.1
10	QP-40-800-FELI3	220-240	0.32	50/60	800	30-50	60	40
11	QP-40-850-FELI3	220-240	0.32	50/60	850	28-47	57	40
12	QP-40-900-FELI3	220-240	0.32	50/60	900	26.5-44.5	54	40.1
13	QP-40-950-FELI3	220-240	0.32	50/60	950	25.5-42.5	52	40.4
14	QP-40-1000-FELI3	220-240	0.32	50/60	1000	24-40	50	40
15	QP-40-1050-FELI3	220-240	0.32	50/60	1050	23-40	50	42
16	QP-40-1100-FELI3	220-240	0.32	50/60	1100	21.5-36.5	46	40.2
17	QP-40-1150-FELI3	220-240	0.32	50/60	1150	21-35	45	40.3
18	QP-40-1200-FELI3	220-240	0.32	50/60	1200	20-33.5	43	40.2

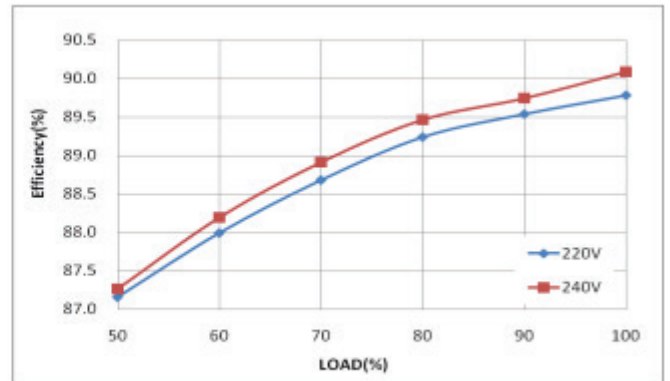
→ WIRING DIAGRAM



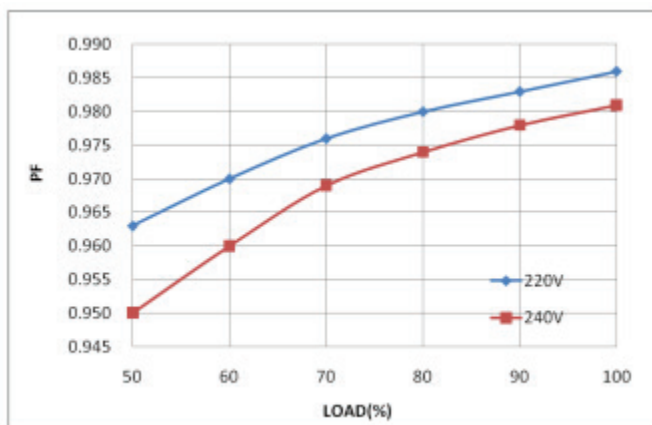
LIFETIME VS. AMBIENT TEMPERATURE CURVE



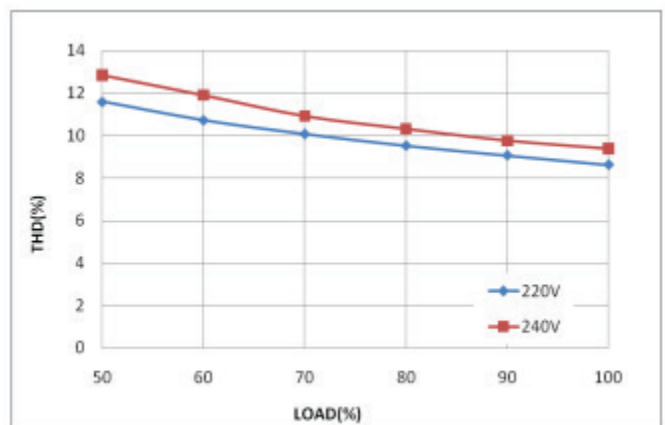
EFFICIENCY VS. LOAD



POWER FACTOR CHARACTERISTICS



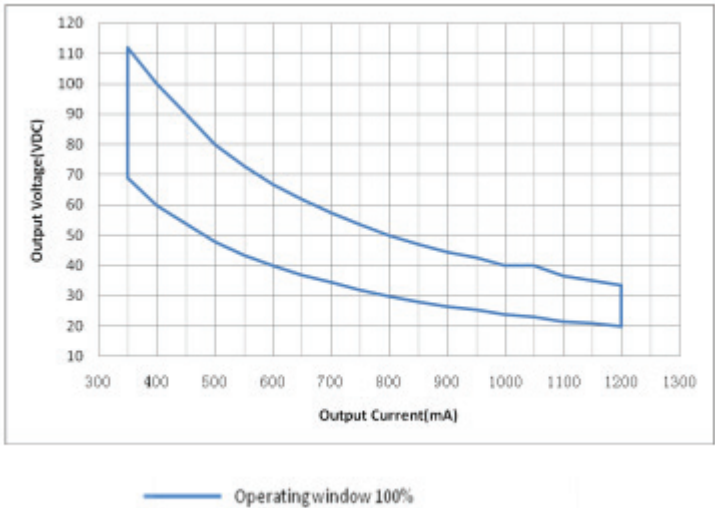
THD VS. LOAD



LED DRIVER INDOOR
CONSTANT CURRENT
STANDARD

QP-40-350-FELI3

→ **OPERATING WINDOW**



→ **DIMENSIONS**

