

Q98 Series

100 Watts max | 110 - 277VAC

PRODUCT FEATURE

- Universal Input range from 100VAC~304VAC, 50/60Hz
- Versatile mechanical design maximizes design flexibility.
- Size: 154 x 64 x 40 mm (L x W x H)
- Fully potted, suitable for dry and damp location applications
- 3 in 1 Dimming Control plus "ENABLE" input
- UL8750 and CE compliant
- Wide selection of pre-adjusted C/C outputs (factory setting)



ELECTRICAL SPECIFICATIONS

INPUT RANGE	:	100 - 277VAC
POWER FACTOR	:	> 0.92 at 65% to 100% load, 115VAC or 230VAC
INPUT CURRENT	:	1.1 Amps max. at 115VAC
OUTPUT CURRENT REGULATION	:	±5%
PROTECTION	:	OCP, SCP, OLP – Auto Recovery
CONTROL	:	0-10V dimmer; PWM (250-3KHz); Potentiometer; Enable
HOLD UP TIME	:	Half cycle min. at 120VAC and 80% rated load
FREQUENCY	:	47 to 63Hz
INRUSH CURRENT	:	10.0 Amps max. at 230VAC, cold start 25°C
EFFICIENCY	:	87% Typical
MAXIMUM POWER	:	100W
LEAKAGE CURRENT	:	3mA typ.
DIMENSION	:	154 x 64 x 40mm (L x W x H)
REGULATION COMPLIANCE	:	UL8750 or EN61347, EN55015, EN61547



ENVIRONMENTAL

OPERATING TEMPERATURE	:	-40 to 50°C, Tc: 85°C
STORAGE TEMPERATURE	:	-40 to + 85°C
HUMIDITY (NON-CONDENSING)	:	5% to 95%
COOLING	:	Convection
VIBRATION FREQUENCY	:	5 to 50Hz
MTBF	:	>100,00 Hours at full load and 25°C ambient conditions (TELC3 – Telcordia SR-332, Issue 3)

WARRANTY

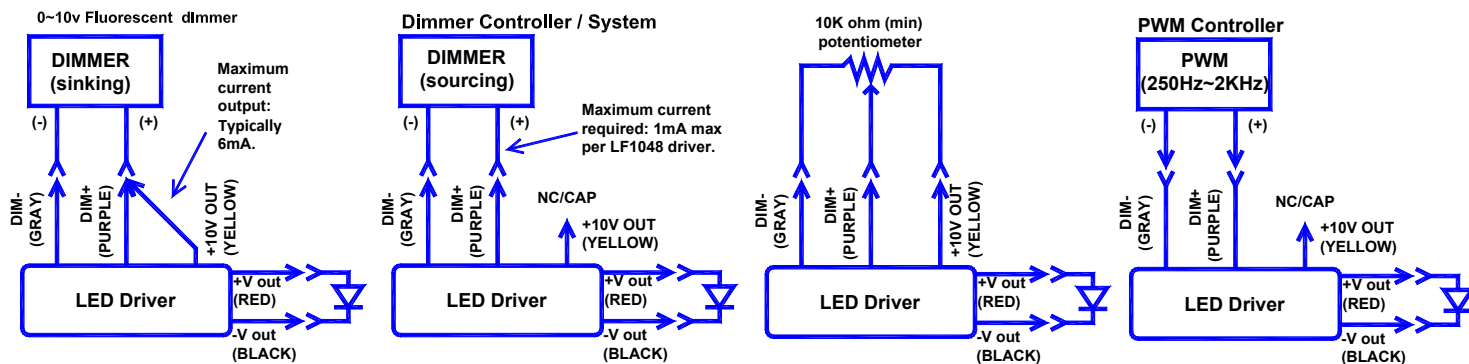
- See [Limited Warranty Policy](#) for more additional information.

MODEL SELECTION

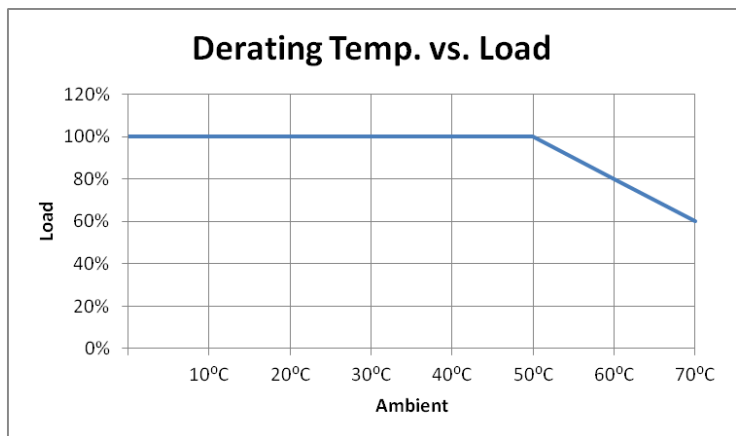
MODEL NUMBER	CONSTANT CURRENT MODE				REMARKS
	CURRENT RANGE A (MA)	NOMINAL A (MA)	V (DC)	MAX. W	
Q98-U24-Cyyyy-XM	5000 ~ 2710	4170	15 ~ 27	100	
Q98-U36-Cyyyy-XM	3340 ~ 1810	2780	21 ~ 39	100	
Q98-U48-Cyyyy-XM	2500 ~ 1360	2090	28 ~ 51	100	
Q98-U54-Cyyyy-XM	2230 ~ 1200	1860	33 ~ 57	100	
Q98-U88-Cyyyy-XM	1370 ~ 750	1140	71 ~ 110	100	Non Class 2

Project Name:	
Type:	

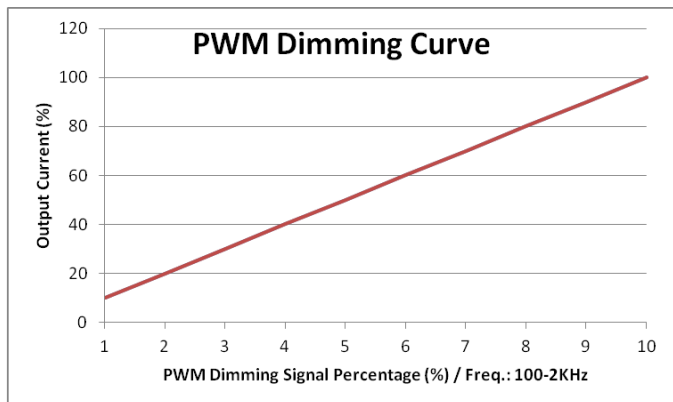
DIMMING WIRING DIAGRAM



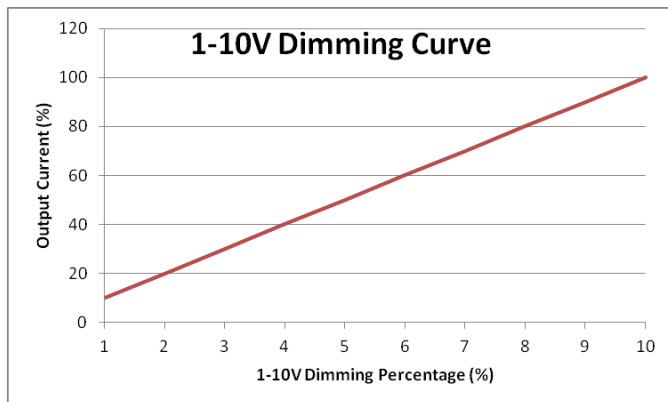
DE-RATING TEMP. VS. LOAD



PWM DIMMING CURVE



0-10V DIMMING CURVE



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Project Name:	
Type:	

MECHANICAL DRAWING Q98-UXX-CYYYY-XM

