

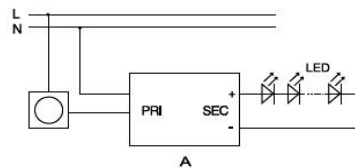
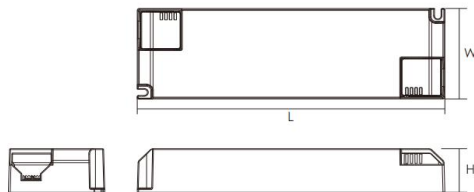
SPECIFICATION

Description	220-240V Triac Dimming LED Driver, Constant Current Driver
Electrical Characteristics	Ta = 25°C, 220-240Vrms input, standard reference load; unless otherwise specified
Class II, IP20, thermally protected 110, independent driver	

Product Name		D90040NTF
Input Parameters		
Rated Input Voltage	Uin	220-240VAC
Input Current (Full load)	Iin	0.25A
Input Frequency	fin	50/60Hz
Maximum Input Power	Pin	50W
Power Factor (Full load)	λ	≥0.95
THD(Full load)		≤25%
Efficiency (Full load)	η	≥85%
Inrush current(Cold Start)		5A(th=100us)
Turn on time		≤500ms
Output Parameters		
Output Voltage	Vout	22-44V
Output Current (Full load)	Iout	900mA±5%
Output Power (Full load)	Pout	40W
Operating Frequency(Full load)	Fout	60-80KHz
Ripple & Noise		≤120mA
Load Regulation		≤5%
Line Regulation		≤5%
Ambient		
Storage Temperature	ts	-20 ... + 70°C
Operating Ambient Temperature	ta	-20 ... + 45°C
Case Temperature at tc Point	tc	85°C
Relative humidity		5 ... 85%
Protection		
No Load		Auto-recovery if fault is removed
Over Load		Auto-recovery if fault is removed
Short Circuit		Auto-recovery if fault is removed
System Parameters		
Withstand voltage		3.75KVAC, I leakage<5mA,60s
Expected Life		50,000Hours
Compliances and approvals		
Safety		EN 61347-2-13
RFI		EN 55015
Harmonics		EN 61000-3-2 Class C
Immunity		EN 61547

- Note**
- All parameters NOT specially mentioned are measured at 240VAC input, rated load and 25 of ambient temperature.
 - Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uF & 47uF parallel capacitor.
 - Expected Life:tc=80°C,0.2%/1000h failure rate

Physical Parameter



Dimensions(LxWxH): 166×52×25mm
 Housing Material: PC Plastic
 Captured Terminal Screw for 0.75~2.5mm²

AcTEC LED DRIVER**D90040NTF**

List of dimmer matches				
Test condition: 230V/50Hz@25°C				
Dimmer	Trade mark	Load Type	Ratings	Dimming Type
C-BusL5504D2U	Clipsal	R,C,L	220-240Vac 50/60Hz	Universal
C-BusL5508D1A	Clipsal	R,L	220-240Vac 50/60Hz	Leading
C-BusL5504D2A	Clipsal	R,L	220-240Vac 50/60Hz	Leading
32E450LM	Clipsal	R,L	220-240V a.c. 50Hz 10-450W	Leading
32E450UD	Clipsal	R,C,L	220-240V a.c. 50Hz 10-450W	Universal
32E450T	Clipsal	R,C	220-240V a.c. 50Hz 10-450W	Trailing
D350S	AcTEC	R,C	220-240V~50/60Hz 10-350W/VA	Trailing
D450	SAL	R,C	220-240V~50Hz 450W	Trailing
D350BT	AcTEC	R,C	220-240V~50/60Hz 10-350W/VA	Trailing
D350T	AcTEC	R,C	220-240V~50/60Hz 2-350W/VA	Trailing
D350PB	AcTEC	R,C	220-240V~50/60Hz 10-350W/VA	Trailing
Cat 400T	HPM	R,C	230-240Vac 50Hz 10-400W	Trailing
315GLE	ELKO	R,C	230VAC 50Hz 40-315W	Trailing
SBD315RC	Schneider	R,C	230V 50Hz 20-315VA	Trailing
MCU Te250	OSRAM	R,C	AC220-240V 50Hz 20-250W	Trailing
AB300	OmniTronix	R,C	230/240V 50Hz 10-300W	Trailing
Walldim106	EUCHIPS	R,C	230V 50/60Hz	Trailing
	松本电工	R,L	220-240V 50/60Hz 630w	Leading
	SIEMENS	R,L	220-240V 50/60Hz 40-500w	Leading
45E 101	SIMOn	R,L	220-240V 50/60Hz 500W	Leading
NEW	CHNT	R,L	220-240V 50/60Hz 500W	Leading
V8051	legrand	R,L	220-240V 50/60Hz 40-500w	Leading
	国际电工	R,L	220-240V 50/60Hz 40-150W	Leading
WMS549	panasonic	R,L	220-240V 50/60Hz	Leading
	奇胜电工	R,L	220-240V 50/60Hz 630W	Leading
	SANGINE	R,L	220-240V 50/60Hz 1-300W	Leading
T86TG Z18081	DELIXI	R,L	220-240V 50/60Hz	Leading
SBD200LED	Schneider	R,C	230V 50Hz 10-200VA	Trailing