



## ELP036C0500LSD1

Constant Current Dimmable Power Supply

Primary Dimmable with TRIAC Dimmer

500mA Const. / 40~70VDC / 20~35W

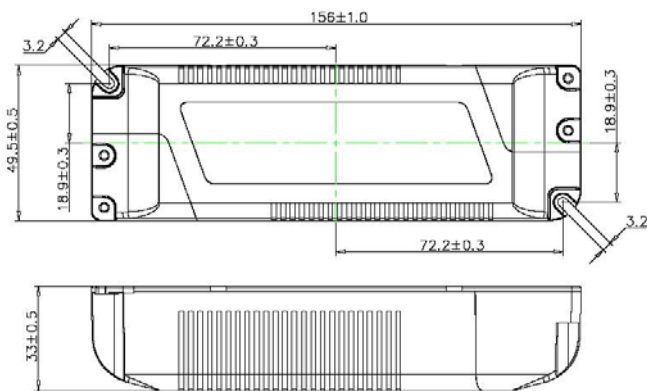


### I. Technical Data

INPUT	
Input voltage range	176-264VAC
Rated input voltage	220~240VAC
Input frequency	50/60Hz
Input current	0,21A max.
Inrush current	10A max.(@230VAC)
Power factor	≥0,9 (@230VAC, Full load)
OUTPUT	
Output voltage	40-70VDC
No-load voltage	76VDC max.
Output current	const. 500mA
Current accuracy	±5%
Current ripple	<200mA p-p
Load range	20-35W
Efficiency	≥86% (@230VAC, Full load)
No load losses	<2W
Start-up time	<1S
Dimmable	Primary dimmable with leading / trailing edge dimmer
Dimming range	10%-100%
MECHANIC & ENVIRONMENT	
Connection	Terminal block connection
Protection class	IP20
Operating temperature (Ta.)	-5°C~+50°C
Surface temperature (Tc.)	80°C max.
Storage temperature	-10°C~+60°C
Humidity	10%-95%RH
Lifetime	≥ 50000 hours (@ 25°C, Full load)
Dimension	s. dimension diagram
PROTECTION	
Insulation class	Class II, SELV

Insulation resistor	IN-OUT:>4MΩ
Short circuit protection	Recovery after fault removed and restart
Over load protection	Recovery after fault removed and restart
Over temperature protection	Recovery after fault removed and restart
Electric strength	IN-OUT: 3750VAC/5mA/1 min
<b>STANDARD</b>	
Low Voltage Directive (LVD)	EN 61347-1; EN61347-2-13; EN60598-1; EN60598-2-6
EMC	EN55015; EN61547; EN61000-3-2 ; EN61000-3-3
Approvals / Certificate	CE, INTERTEK SEMKO pending
RoHS compatible	Yes

## II. Dimension



Unit: mm