

Dimmable LED Driver: Triac Dimmable With Low Ripple (ELP Series)



Feature

Installation: Independent.

Supply connection: Terminal block.

Load connection: Series connection.

Short circuit protection; Thermal protection.

Compliance

Magnetic Emission EN55015.

Harmonic EN61000-3-2.

Flicker EN61000-3-3. Immunity EN61547.

Safety IEC61347-1, IEC61347-2-13;

IEC60598-1, IEC60598-2-6.

6W (step path of current is 50 mA)

Model	Input Voltage	Constant Current	Adjustable Current range	Operating Voltage Range	Ta	Tc	Typical Efficiency	Standby Power	Power Factor	Dimensions		
										L(mm)	W(mm)	H(mm)
ELP006C0200LSD1	220-240VAC 50/60HZ	200mA	10-200 mA	20-30V	50°C	80°C	≥76%	<1W	≥0.9	111	42	24
ELP006C0250LSD1	220-240VAC 50/60HZ	250mA	12.5-250mA	16-24V	50°C	80°C	≥76%	<1W	≥0.9	111	42	24
⋮	⋮	⋮		⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
ELP006C0700LSD1	220-240VAC 50/60HZ	700mA	35-700mA	5.7-8.6V	50°C	80°C	≥74%	<1W	≥0.9	111	42	24

9W (step path of current is 50 mA)

Model	Input Voltage	Constant Current	Adjustable Current range	Operating Voltage Range	Ta	Tc	Typical Efficiency	Standby Power	Power Factor	Dimensions		
										L(mm)	W(mm)	H(mm)
ELP009C0200LSD1	220-240VAC	200mA	10-200 mA	30-45V	50℃	80℃	≥81 %	<1W	≥0.9	111	42	24
ELP009C0250LSD1	220-240VAC	250mA	12-250mA	24-36V	50℃	80℃	≥81 %	<1W	≥0.9	111	42	24
⋮	⋮	⋮		⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
ELP009C0700LSD1	220-240VAC	700mA	35-700mA	8.6-13V	50℃	80℃	≥76 %	<1W	≥0.9	111	42	24

12W (step path of current is 50 mA)

Model	Input Voltage	Constant Current	Adjustable Current range	Operating Voltage Range	Ta	Tc	Typical Efficiency	Standby Power	Power Factor	Dimensions		
										L(mm)	W(mm)	H(mm)
ELP012C0200LSD1	220-240VAC	200mA	10-200mA	40-60V	50℃	80℃	≥84 %	<1W	≥0.9	111	42	24
ELP012C0250LSD1	220-240VAC	250mA	12-250mA	32-48V	50℃	80℃	≥83 %	<1W	≥0.9	111	42	24
⋮	⋮	⋮		⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
ELP012C0700LSD1	220-240VAC	700mA	35-700mA	11.5-17.5V	50℃	80℃	≥81 %	<1W	≥0.9	111	42	24

ELP020C0350LSD1	220-240VAC	350mA	18-350 mA	34-58V	50℃	80℃	≥85 %	<1W	≥0.9	132	45	24
ELP020C0400LSD1	220-240VAC	400mA	20-400 mA	30-50V	50℃	80℃	≥84 %	<1W	≥0.9	132	45	24
⋮	⋮	⋮		⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
ELP020C1400LSD1	220-240VAC	1400mA	75-1400 mA	8.5-14V	50℃	80℃	≥82 %	<1W	≥0.9	132	45	24

30W (step path of current is 100 mA)



Model	Input Voltage	Constant Current	Adjustable Current range	Operating Voltage Range	Ta	Tc	Typical Efficiency	Standby Power	Power Factor	Dimensions		
										L(mm)	W(mm)	H(mm)
ELP030C0350LSD1	220-240VAC	350mA	18-350mA	57-86V	50℃	85℃	≥88 %	<2W	≥0.9	156	50	33
ELP030C0400LSD1	220-240VAC	400mA	20-400mA	50-75V	50℃	85℃	≥84 %	<2W	≥0.9	156	50	33
⋮	⋮	⋮		⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
ELP030C1400LSD1	220-240VAC	1400mA	75-1400mA	14-21.5V	50℃	85℃	≥85 %	<2W	≥0.9	156	50	33

36W(step path of current is 100 mA) (Ripple Current < ±20%)



Model	Input Voltage	Constant Current	Adjustable Current range	Operating Voltage Range	Ta	Tc	Typical Efficiency	Standby Power	Power Factor	Dimensions		
										L(mm)	W(mm)	H(mm)
ELP036C0500LSD1	220-240VAC	500mA	25-500mA	40-70 V	50℃	80℃	≥86 %	<2W	≥0.9	156	50	33
ELP036C0600LSD1	220-240VAC	600mA	30-600mA	34-60 V	50℃	80℃	≥86 %	<2W	≥0.9	156	50	33
⋮	⋮	⋮		⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
ELP036C1000LSD1	220-240VAC	1000mA	75-1500mA	20-35 V	50℃	80℃	≥84 %	<2W	≥0.9	156	50	33

Dimmable LED Driver: Triac Dimmable With Low Ripple (ELP Series)



Feature

Installation: Independent.

Supply connection: Terminal block.

Load connection: Series connection.

Short circuit protection; Thermal protection.

Compliance

Magnetic Emission EN55015.

Harmonic EN61000-3-2.

Flicker EN61000-3-3. Immunity EN61547.

Safety EN61347-1, EN61347-2-13;
EN60598-1, EN60598-2-6.

50W (step path of current is 50 mA)

Model	Input Voltage	Constant Current	Adjustable Current range	Operating Voltage Range	T _a	T _c	Typical Efficiency	Standby Power	Power Factor	Dimensions		
										L(mm)	W(mm)	H(mm)
ELP050C0500LSD1	220-240VAC	500mA	25-500 mA	67-100V	50°C	85°C	≥87%	<1W	≥0.9	157	54	36

ELP050C0550LSD1	220-240VAC	550mA	28-550 mA	60-91V	50℃	85℃	≥86 %	<1W	≥0.9	157	54	36
⋮	⋮	⋮		⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
ELP050C1400LSD1	220-240VAC	1400mA	75-1400 mA	24-36V	50℃	85℃	≥84 %	<1W	≥0.9	157	54	36

60W (step path of current is 100 mA)

Model	Input Voltage	Constant Current	Adjustable Current range	Operating Voltage Range	Ta	Tc	Typical Efficiency	Standby Power	Power Factor	Dimensions		
										L(mm)	W(mm)	H(mm)
ELP060C0600LSD1	220-240VAC	600mA	30-600mA	67-100V	50℃	85℃	≥87 %	<2W	≥0.9	166	50	33
ELP060C0650LSD1	220-240VAC	650mA	33-650mA	61-92.5V	50℃	85℃	≥87 %	<2W	≥0.9	166	50	33
⋮	⋮	⋮		⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
ELP060C1400LSD1	220-240VAC	1400mA	70-1400mA	28-43V	50℃	85℃	≥85 %	<2W	≥0.9	166	50	33



15W (step path of current is 50 mA)

Model	Input Voltage	Constant Current	Adjustable Current range	Operating Voltage Range	Ta	Tc	Typical Efficiency	Standby Power	Power Factor	Dimensions		
										L(mm)	W(mm)	H(mm)
ELP015C0300LSD1	220-240VAC	300mA	15-300mA	34-50V	50℃	80℃	≥85 %	<1W	≥0.9	115	45	27.5
ELP015C0350LSD1	220-240VAC	350mA	18-350 mA	28-43V	50℃	80℃	≥85 %	<1W	≥0.9	115	45	27.5
⋮	⋮	⋮		⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
ELP015C0700LSD1	220-240VAC	700mA	35-700mA	14-21.5V	50℃	80℃	≥84 %	<1W	≥0.9	115	45	27.5

Dimmable LED Driver:0-10V Dimmable Driver For Universal(PWM)



Feature

- Installation: Built in.
- Supply connection: Terminal block.
- Load connection: Series connection.
- Short circuit protection.

Compliance

- Magnetic Emission EN55015.
- Harmonic EN61000-3-2.
- Flicker EN61000-3-3. Immunity EN61547.
- Safety EN61347-1,EN61347-2-13;

25W (step path of current is 50mA)

Model	Input Voltage	Constant Current	Operating Voltage Range	Ta	Tc	Typical Efficiency	Standby Power	Power Factor	Dimensions		
									L(mm)	W(mm)	H(mm)
EDP025C0350SHD4	100-240VAC 50/60HZ	DC350mA	36-72V	50°C	85°C	≥82 %	<0.5W	≥0.9	106	68	22
EDP025C0400SHD4	100-240VAC 50/60HZ	DC400mA	31-62.5V	50°C	85°C	≥82 %	<0.5W	≥0.9	106	68	22

⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
EDP025C1000SHD4	100-240VAC 50/60HZ	DC1000mA	12.5-25V	50°C	85°C	≥80%	<0.5W	≥0.9	106	68	22

30W (step path of current is 50mA)

Model	Input Voltage	Constant Current	Operating Voltage Range	Ta	Tc	Typical Efficiency	Standby Power	Power Factor	Dimensions		
									L(mm)	W(mm)	H(mm)
EDP030C0350SHD4	100-240VAC 50/60HZ	DC350mA	43-86V	50°C	85°C	≥83%	<0.5W	≥0.9	124	80	22
EDP030C0400SHD4	100-240VAC 50/60HZ	DC400mA	37.5-75V	50°C	85°C	≥82%	<0.5W	≥0.9	124	80	22
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
EDP030C1000SHD4	100-240VAC 50/60HZ	DC1000mA	15-30V	50°C	85°C	≥82%	<0.5W	≥0.9	124	80	22

50W (step path of current is 50mA)

Model	Input Voltage	Constant Current	Operating Voltage Range	Ta	Tc	Typical Efficiency	Standby Power	Power Factor	Dimensions		
									L(mm)	W(mm)	H(mm)
EDP050C0500SHD4	100-240VAC 50/60HZ	DC500mA	50-100V	50°C	85°C	≥87%	<0.5W	≥0.9	124	80	22
EDP050C0550SHD4	100-240VAC 50/60HZ	DC550mA	45.5-91V	50°C	85°C	≥86%	<0.5W	≥0.9	124	80	22
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
EDP050C1200SHD4	100-240VAC 50/60HZ	DC1200mA	21-42V	50°C	85°C	≥85%	<0.5W	≥0.9	124	80	22

EDP010C0700SHD4	220-240VAC 50/60HZ	DC700mA	8-14.5V	50°C	75°C	≥76 %	<0.5W	≥0.9	106	68	22
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15W (step path of current is 50mA)

Model	Input Voltage	Constant Current	Operating Voltage Range	Ta	Tc	Typical Efficiency	Standby Power	Power Factor	Dimensions		
									L(mm)	W(mm)	H(mm)
EDP015C0200SHD4	220-240VAC 50/60HZ	DC200mA	37.5-75V	50°C	80°C	≥80 %	<0.5W	≥0.9	106	68	22
EDP015C0250SHD4	220-240VAC 50/60HZ	DC250mA	30-60V	50°C	80°C	≥80 %	<0.5W	≥0.9	106	68	22
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
EDP015C1000SHD4	220-240VAC 50/60HZ	DC1000mA	8-15V	50°C	80°C	≥80 %	<0.5W	≥0.9	106	68	22

25W (step path of current is 50mA)

Model	Input Voltage	Constant Current	Operating Voltage Range	Ta	Tc	Typical Efficiency	Standby Power	Power Factor	Dimensions		
									L(mm)	W(mm)	H(mm)
EDP025C0350SHD4	220-240VAC 50/60HZ	DC350mA	36-71.5V	50°C	85°C	≥82 %	<0.5W	≥0.9	106	68	22
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
EDP025C1000SHD4	220-240VAC 50/60HZ	DC1000mA	12.5-25V	50°C	85°C	≥82 %	<0.5W	≥0.9	106	68	22

30W (step path of current is 50mA)

Model	Input Voltage	Constant Current	Operating Voltage Range	Ta	Tc	Typical Efficiency	Standby Power	Power Factor	Dimensions		
									L(mm)	W(mm)	H(mm)
EDP030C0350SHD4	220-240VAC 50/60HZ	DC350mA	43-86V	50°C	85°C	≥88 %	<0.5W	≥0.9	124	80	22
EDP030C0400SHD4	220-240VAC 50/60HZ	DC400mA	37.5-75V	50°C	85°C	≥87 %	<0.5W	≥0.9	124	80	22
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
EDP030C1000SHD4	220-240VAC 50/60HZ	DC1000mA	15-30V	50°C	85°C	≥85 %	<0.5W	≥0.9	124	80	22

Dimmable LED Driver:RF Control Dimmable Driver With CCT



Feature

- Installation: Built in.
- Supply connection: Terminal block.
- Load connection: Series connection.
- Short circuit protection.

Compliance

- Magnetic Emission EN55015.
- Harmonic EN61000-3-2.
- Flicker EN61000-3-3. Immunity EN61547.
- Safety EN61347-1,EN61347-2-13;
- Control Mode:RF,multit-current output.

25W (step path of current is 50mA)

Model	Input Voltage	Constant Current	Operating Voltage Range	Ta	Tc	Typical Efficiency	Standby Power	Power Factor	Dimensions		
									L(mm)	W(mm)	H(mm)
EDP025C0350SSD5	220-240VAC 50/60HZ	DC350mA	35-71.5V	50°C	80°C	≥83%	<0.5W	≥0.9	106	68	22

EDP025C0300SSD5	220-240VAC 50/60HZ	DC300mA	35-71.5V	50°C	80°C	≥83 %	<0.5W	≥0.9	106	68	22
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
EDP025C0200SSD5	220-240VAC 50/60HZ	DC200mA	35-71.5V	50°C	80°C	≥83 %	<0.5W	≥0.9	106	68	22

35W (step path of current is 50mA)

Model	Input Voltage	Constant Current	Operating Voltage Range	Ta	Tc	Typical Efficiency	Standby Power	Power Factor	Dimensions		
									L(mm)	W(mm)	H(mm)
EDP035C0700SSD5	220-240VAC 50/60HZ	DC700mA	25-50V	50°C	85°C	≥85 %	<0.5W	≥0.9	124	80	22
EDP035C0650SSD5	220-240VAC 50/60HZ	DC650mA	25-50V	50°C	85°C	≥85 %	<0.5W	≥0.9	124	80	22
EDP035C0600SSD5	220-240VAC 50/60HZ	DC600mA	25-50V	50°C	85°C	≥84 %	<0.5W	≥0.9	124	80	22
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
EDP035C0500SSD5	220-240VAC 50/60HZ	DC500mA	25-50V	50°C	85°C	≥83 %	<0.5W	≥0.9	124	80	22

50W (step path of current is 50mA)

Model	Input Voltage	Constant Current	Operating Voltage Range	Ta	Tc	Typical Efficiency	Standby Power	Power Factor	Dimensions		
									L(mm)	W(mm)	H(mm)
EDP050C0700SSD5	220-240VAC 50/60HZ	DC700mA	35-71.5V	50°C	85°C	≥85 %	<0.5W	≥0.9	124	80	22
EDP050C0650SSD5	220-240VAC 50/60HZ	DC650mA	35-71.5V	50°C	85°C	≥85 %	<0.5W	≥0.9	124	80	22
EDP050C0600SSD5	220-240VAC 50/60HZ	DC600mA	35-71.5V	50°C	85°C	≥84 %	<0.5W	≥0.9	124	80	22
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
EDP050C0500SSD5	220-240VAC 50/60HZ	DC500mA	35-71.5V	50°C	85°C	≥83 %	<0.5W	≥0.9	124	80	22

EDP025C0350SHD8	100-240VAC 50/60HZ	DC350mA	48-72V	50℃	80℃	≥88%	<1W	≥0.9	106	67.5	22
EDP025C0500SHD8	100-240VAC 50/60HZ	DC500mA	30-50V	50℃	80℃	≥87%	<1W	≥0.9	106	67.5	22
EDP025C0600SHD8	100-240VAC 50/60HZ	DC600mA	28-42V	50℃	80℃	≥87%	<1W	≥0.9	106	67.5	22
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
EDP025C1000SHD8	100-240VAC 50/60HZ	DC1000mA	16-25V	50℃	80℃	≥85%	<1W	≥0.9	106	67.5	22

35W (step path of current is 100mA)

Model	Input Voltage	Constant Current	Operating Voltage Range	Ta	Tc	Typical Efficiency	Standby Power	Power Factor	Dimensions		
									L(mm)	W(mm)	H(mm)
EDP035C0350SHD8	100-240VAC 50/60HZ	DC350mA	66-100V	50℃	80℃	≥88%	<0.5W	≥0.9	124	80	22
EDP035C0500SHD8	100-240VAC 50/60HZ	DC500mA	46-70V	50℃	80℃	≥88%	<0.5W	≥0.9	124	80	22
EDP035C0600SHD8	100-240VAC 50/60HZ	DC600mA	40-60V	50℃	80℃	≥87%	<0.5W	≥0.9	124	80	22
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
EDP035C1200SHD8	100-240VAC 50/60HZ	DC1200mA	20-30V	50℃	80℃	≥86%	<0.5W	≥0.9	124	80	22

50W (step path of current is 100mA)

Model	Input Voltage	Constant Current	Operating Voltage Range	Ta	Tc	Typical Efficiency	Standby Power	Power Factor	Dimensions		
									L(mm)	W(mm)	H(mm)
EDP050C0700SHD8	100-240VAC 50/60HZ	DC700mA	47-71.5V	50℃	85℃	≥89%	<1W	≥0.9	107.5	76	30
EDP050C0800SHD8	100-240VAC 50/60HZ	DC800mA	41-62.5V	50℃	85℃	≥88%	<1W	≥0.9	107.5	76	30
EDP050C0900SHD8	100-240VAC 50/60HZ	DC900mA	37-55.5V	50℃	85℃	≥88%	<1W	≥0.9	107.5	76	30
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
EDP050C1500SHD8	100-240VAC 50/60HZ	DC1500mA	22-33.5V	50℃	85℃	≥86%	<1W	≥0.9	107.5	76	30

Dimmable LED Driver:Constant Voltage Dimmable Driver



Feature

Installation: Built-in.

Supply connection: Lead Wire.

Load connection: Parallel connection.

Dimmable type: leading-edge(triac). Or trailing-edge.

Short circuit protection; Thermal protection.

Compliance

Magnetic Emission EN55015.

Harmonic EN61000-3-2

Flicker EN61000-3-3. Immunity EN61547.

Safety EN61347-1,EN61347-2-13;

Model	Input Voltage	Constant Voltage	Adjustable Voltage Range	Ta	Tc	Typical Efficiency	Standby Power	Power Factor	Dimensions		
									L(mm)	W(mm)	H(mm)
EBP030V0120LSD1	220-240VAC 50/60HZ	12VDC	8-12VDC	50℃	85℃	≥82 %	<2W	≥0.9	95	54	33
EBP030V0240LSD1	220-240VAC 50/60HZ	24VDC	14-24VDC	50℃	85℃	≥85 %	<2W	≥0.9	95	54	33



Model	Input Voltage	Constant Voltage	Adjustable Voltage Range	Ta	Tc	Typical Efficiency	Standby Power	Power Factor	Dimensions		
									L(mm)	W(mm)	H(mm)
EBP040V0120LSD1	220-240VAC 50/60HZ	12VDC	8-12VDC	50℃	85℃	≥82 %	<2W	≥0.9	111	60	33
EBP040V0240LSD1	220-240VAC 50/60HZ	24VDC	14-24VDC	50℃	85℃	≥85 %	<2W	≥0.9	111	60	33