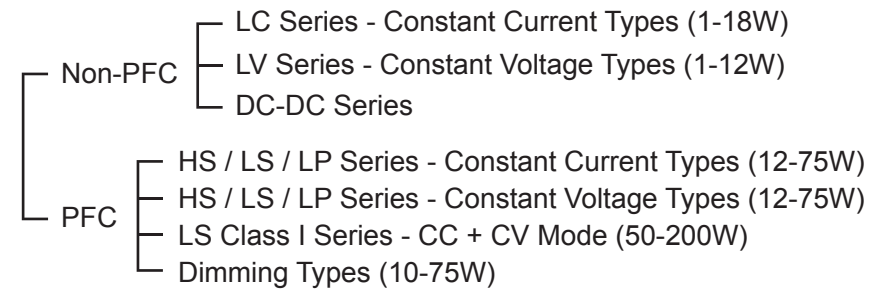




LED Driver Module

1. General Type
2. PFC Function Type
3. AC / DC Dimming Type
4. DC-DC LED Driver



LED Driver Module

General Type (LC / LV Series) - Class II Design (Plastic Housing)

▣ Features

- Universal AC input 90-264V AC
- Tc point measured, max case temperature : 70°C
- Meet RoHS requirements
- Class II power (w/o earth pin)
- Suitable for high power LEDs lighting application
- 100% Burn-In test and 2 years warranty
- LC series design with Constant Current
- LV series design with Constant Voltage

▣ Electrical Specifications

- Input Voltage Range : 90-264V AC, 47-63Hz, 0.6A
- Operating temperature range : -20~40°C at full load
- Suitable for indoor use
- Protections : SCP / OVP / OLP
- Plastic cover of Insulation with IP65 level
- Operating Humidity : 10~90%
- MTBF : 100k hrs min.MIL-HDBK-217F (25°C)

06 Type



3W

Constant Current Models

Model No.	Output Voltage	Rated Current	Connector type	Tolerance (A)	Dimension	Watts
LC3513-06	6-12V DC	350mA	Stripped	+/- 6%	42 x 29 x 22mm	3W
LC7012-06	3-5V DC	700mA	Stripped	+/- 6%	42 x 29 x 22mm	3W



01 Type



6W

Constant Voltage Models

Model No.	Output Voltage	Rated Current	Connector type	Tolerance (V)	Dimension	Watts
LV5012-01	12V DC	500mA	Terminal	+/- 6%	42 x 40 x 21mm	6W
LV2524-01	24V DC	250mA	Terminal	+/- 6%	42 x 40 x 21mm	6W

Constant Current Models

Model No.	Output Voltage	Rated Current	Connector type	Tolerance (A)	Dimension	Watts
LC3512-01	3-12V DC	350mA	Terminal	+/- 6%	42 x 40 x 21mm	1-3W
LC7012-01	3-12V DC	700mA	Terminal	+/- 6%	42 x 40 x 21mm	3-6W



LED Driver Module

General Type (LC / LV Series) - Class II Design (Plastic Housing)

02 Type



8W

Constant Voltage Models

Model No.	Output Voltage	Rated Current	Connector type	Tolerance (V)	Dimension	Watts
LV5012-02	12V DC	500mA	Stripped	+/- 6%	70 x 35 x 23mm	6W
LV8312-02	12V DC	830mA	Stripped	+/- 6%	70 x 35 x 23mm	10W
LV2524-02	24V DC	250mA	Stripped	+/- 6%	70 x 35 x 23mm	6W
LV4124-02	24V DC	410mA	Stripped	+/- 6%	70 x 35 x 23mm	10W

Constant Current Models

Model No.	Output Voltage	Rated Current	Connector type	Tolerance (A)	Dimension	Watts
LC3536-02	3-36V DC	350mA	Stripped	+/- 6%	70 x 35 x 23mm	1-8W
LC7012-02	3-12V DC	700mA	Stripped	+/- 6%	70 x 35 x 23mm	3-6W
LC7021-02	3-21V DC	700mA	Stripped	+/- 6%	70 x 35 x 23mm	3-9W

CE cRU^{us} PG IP65

03 Type



8W

Constant Voltage Models

Model No.	Output Voltage	Rated Current	Connector type	Tolerance (V)	Dimension	Watts
LV5012-03	12V DC	500mA	Terminal	+/- 6%	86 x 45 x 26mm	6W
LV8312-03	12V DC	830mA	Terminal	+/- 6%	86 x 45 x 26mm	10W
LV2524-03	24V DC	250mA	Terminal	+/- 6%	86 x 45 x 26mm	6W
LV4124-03	24V DC	410mA	Terminal	+/- 6%	86 x 45 x 26mm	10W

Constant Current Models

Model No.	Output Voltage	Rated Current	Connector type	Tolerance (A)	Dimension	Watts
LC3536-03	3-36V DC	350mA	Terminal	+/- 6%	86 x 45 x 26mm	1-8W
LC7021-03	3-21V DC	700mA	Terminal	+/- 6%	86 x 45 x 26mm	3-9W

CE PG

04 Type



16W

Constant Current Models (PFC Function)

Model No.	Output Voltage	Rated Current	Connector type	Tolerance (A)	Dimension	Watts
LC3554-04	10-54V DC/PFC	350mA	Stripped	+/- 6%	141 x 45 x 26mm	3-16W
LC7034-04	3-34V DC/PFC	700mA	Stripped	+/- 6%	141 x 45 x 26mm	3-18W

CE PG

LED Driver Module

General Type (LC / LV Series) - Class II Design (Plastic Housing)

08 Type



8W

Constant Current Models

Model No.	Output Voltage	Rated Current	Connector type	Tolerance (A)	Dimension	Watts
LC3536-08	3-36V DC	350mA	Stripped	+/- 6%	52 x 48 x 23mm	8W
LC7012-08	3-12V DC	700mA	Stripped	+/- 6%	52 x 48 x 23mm	6W
LC7021-08	3-21V DC	700mA	Stripped	+/- 6%	52 x 48 x 23mm	9W

 IP65

05 Type



12W

Constant Voltage Models

Model No.	Output Voltage	Rated Current	Connector type	Tolerance (V)	Dimension	Watts
LVA012-05	12V DC	1000mA	Stripped	+/- 6%	65 x 44 x 28mm	12W
LV5024-05	24V DC	500mA	Stripped	+/- 6%	65 x 44 x 28mm	12W

 IP65

15 Type



16W

Constant Current Models (PFC Function)

Model No.	Output Voltage	Rated Current	Connector type	Tolerance (A)	Dimension	Watts
LC3554-15	10-54V DC	350mA	Stripped	+/- 6%	85 x 54 x 32.5mm	16W
LC7026-15	3-26V DC	700mA	Stripped	+/- 6%	85 x 54 x 32.5mm	18W

 IP65

LED Driver Module

PFC Function Type (HS / LS / LP Series) - Class II Design (Plastic Housing)

Features

- Universal AC input 90-264V AC or 277V AC
- Class II power (w/o earth pin)
- Suitable for indoor / outdoor use
- Constant current design for Hi-Power LED applications
- Plastic Insulation cover with IP67 level
- 100% Burn-In test and 2 years warranty

Electrical Specifications

- Input Voltage Range : 90-264V AC, 47-63Hz
- Designed with PFC function ≥ 0.9 / 115V AC
- Power Efficiency : Average $> 80\%$
- Operating temperature range : $-20\sim 60^{\circ}\text{C}$ at full load
- Protection certifications: SCP / OVP / OLP
- Operating Humidity : 20~90%
- MTBF : 200k hrs min.MIL-HDBK-217F(25°C)

GP-HS05N Series



5W

Constant Current Models (Without PFC)

Model No.	Output Voltage	Rated Current	Efficiency	Connector type	Tolerance (A)	Dimension	Watts
HS05N-07C	3-7V	700mA	70%	Stripped	+/- 5%	57 x 40.8 x 24mm	5.3W
HS05N-12C	3-12V	350mA	70%	Stripped	+/- 5%	57 x 40.8 x 24mm	4.2W
HS05N-24C	10-24V	200mA	70%	Stripped	+/- 5%	57 x 40.8 x 24mm	4.8W

CE FC cUL^{us} IP65
(pending)

GP-LS10P Series



12W

Constant Current Models

Model No.	Output Voltage	Rated Current	Efficiency	Connector type	Tolerance (A)	Dimension	Watts
LS10P-36	18-36V DC	350mA	83%	Stripped	+/- 10%	108 x 30.5 x 26mm	12W
LS10P-18	9-18V DC	700mA	81%	Stripped	+/- 10%	108 x 30.5 x 26mm	12W

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GP-HS10P Series



12W

Constant Current Models

Model No.	Output Voltage	Rated Current	Efficiency	Connector type	Tolerance (A)	Dimension	Watts
HS10P-12C	8-12V	1000mA	81%	Stripped	+/- 5%	110 x 35 x 25mm	12.0W
HS10P-24C	14-24V	500mA	83%	Stripped	+/- 5%	110 x 35 x 25mm	12.0W
HS10P-36C	24-36V	350mA	83%	Stripped	+/- 5%	110 x 35 x 25mm	12.6W
HS10P-48C	26-48V	250mA	84%	Stripped	+/- 5%	110 x 35 x 25mm	12.0W

CE FC cUL^{us} IP65

LED Driver Module

PFC Function Type (HS / LS / LP Series) - Class II Design (Plastic Housing)

GP-HS15P Series



Constant Voltage Models

Model No.	Output Voltage	Rated Current	Efficiency	Connector type	Tolerance (V)	Dimension	Watts
HS15P-12V	12V	0-1250mA	81%	Stripped	+/- 5%	110 x 35 x 25mm	15.0W
HS15P-24V	24V	0-630mA	83%	Stripped	+/- 5%	110 x 35 x 25mm	15.1W
HS15P-36V	36V	0-420mA	83%	Stripped	+/- 5%	110 x 35 x 25mm	15.1W
HS15P-48V	48V	0-300mA	84%	Stripped	+/- 5%	110 x 35 x 25mm	14.4W

Constant Current Models

Model No.	Output Voltage	Rated Current	Efficiency	Connector type	Tolerance (A)	Dimension	Watts
HS15P-12C	8-12V	1250mA	81%	Stripped	+/- 5%	110 x 35 x 25mm	15.0W
HS15P-22C	14-22V	700mA	83%	Stripped	+/- 5%	110 x 35 x 25mm	15.4W
HS15P-30C	24-30V	500mA	83%	Stripped	+/- 5%	110 x 35 x 25mm	15.0W
HS15P-42C	26-42V	350mA	84%	Stripped	+/- 5%	110 x 35 x 25mm	14.7W

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GP-HS25P Series



Constant Voltage Models

Model No.	Output Voltage	Rated Current	Efficiency	Connector type	Tolerance (V)	Dimension	Watts
HS25P-12V	12V	2100mA	81%	Stripped	+/- 5%	190 x 30.5 x 25mm	25.2W
HS25P-18V	18V	1400mA	82%	Stripped	+/- 5%	190 x 30.5 x 25mm	25.2W
HS25P-24V	24V	1050mA	83%	Stripped	+/- 5%	190 x 30.5 x 25mm	25.2W
HS25P-36V	36V	700mA	84%	Stripped	+/- 5%	190 x 30.5 x 25mm	25.2W
HS25P-48V	48V	520mA	85%	Stripped	+/- 5%	190 x 30.5 x 25mm	25.0W

Constant Current Models

Model No.	Output Voltage	Rated Current	Efficiency	Connector type	Tolerance (A)	Dimension	Watts
HS25P-12C	8-12V	2100mA	81%	Stripped	+/- 5%	190 x 30.5 x 25mm	25.2W
HS25P-18C	11-18V	1400mA	82%	Stripped	+/- 5%	190 x 30.5 x 25mm	25.2W
HS25P-24C	15-24V	1050mA	83%	Stripped	+/- 5%	190 x 30.5 x 25mm	25.2W
HS25P-36C	21-36V	700mA	84%	Stripped	+/- 5%	190 x 30.5 x 25mm	25.2W
HS25P-48C	34-48V	520mA	85%	Stripped	+/- 5%	190 x 30.5 x 25mm	25.0W

(Input : 100-277V AC)

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GP-LS35P Series



Constant Voltage Models

Model No.	Output Voltage	Rated Current	Efficiency	Connector type	Tolerance (V)	Dimension	Watts
LS35P-12B	12V	2500mA	82%	Stripped	+/- 5%	163 x 45 x 33mm	30.0W
LS35P-24B	24V	1250mA	84%	Stripped	+/- 5%	163 x 45 x 33mm	30.0W
LS35P-30B	30V	1050mA	85%	Stripped	+/- 5%	163 x 45 x 33mm	31.5W
LS35P-48B	48V	700mA	86%	Stripped	+/- 5%	163 x 45 x 33mm	33.6W

Constant Current Models

Model No.	Output Voltage	Rated Current	Efficiency	Connector type	Tolerance (A)	Dimension	Watts
LS35P-12	7-12V	2500mA	82%	Stripped	+/- 5%	163 x 45 x 33mm	30.0W
LS35P-24	14-24V	1250mA	84%	Stripped	+/- 5%	163 x 45 x 33mm	30.0W
LS35P-30	5-30V	1050mA	85%	Stripped	+/- 5%	163 x 45 x 33mm	31.5W
LS35P-48	5-48V	700mA	86%	Stripped	+/- 5%	163 x 45 x 33mm	33.6W

PG CE FC cULus IP67

LED Driver Module

PFC Function Type (HS / LS / LP Series) - Class II Design (Plastic Housing)

GP-LP60P Series



Constant Current / Constant Voltage Operation (CC + CV Mode)

Model No.	Output Voltage	Rated Current	Efficiency	Connector type	Tolerance (A)	Dimension	Watts
LP60P-12	9-12V (12V)	5.0A	87%	Stripped	+/- 5%	163 x 45 x 33 mm	60.0W
LP60P-24	12-24V (24V)	2.5A	87%	Stripped	+/- 5%	163 x 45 x 33 mm	60.0W
LP60P-28	20-28V (28V)	2.1A	87%	Stripped	+/- 5%	163 x 45 x 33 mm	58.0W
LP60P-36	24-36V (36V)	1.7A	87%	Stripped	+/- 5%	163 x 45 x 33 mm	61.0W
LP60P-48	36-48V (48V)	1.2A	87%	Stripped	+/- 5%	163 x 45 x 33 mm	60.0W

(Input : 100-277V AC)

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GP-LP75P Series



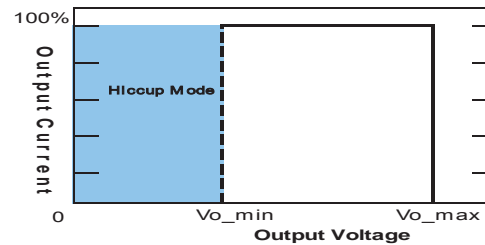
Constant Current / Constant Voltage Operation (CC + CV Mode)

Model No.	Output Voltage	Rated Current	Efficiency	Connector type	Tolerance (A)	Dimension	Watts
LP75P-24	12-24V (24V)	3.1A	87%	Stripped	+/- 5%	163 x 45 x 33mm	75.0W
LP75P-28	20-28V (28V)	2.6A	87%	Stripped	+/- 5%	163 x 45 x 33mm	75.0W
LP75P-36	24-36V (36V)	2.1A	87%	Stripped	+/- 5%	163 x 45 x 33mm	75.6W
LP75P-48	36-48V (48V)	1.5A	87%	Stripped	+/- 5%	163 x 45 x 33mm	75.0W

(Input : 100-277V AC)

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LP60P / LP70P Series Constant Voltage / Constant Current Operation



PFC Function Type (LS Series) - Class I Design (Metal Housing)

□ Features

- Universal AC input 90-305 Vac
- Constant Voltage / Constant Current Operation
- Suitable for LED lighting applications
- Built-in ACTIVE PFC Function
- IP67 Level design for indoor or outdoor installations
- Cooling by free air convection
- 100% Burn-In test and 2 years warranty

□ Electrical Specifications

- Input Voltage Range : 90-305V AC, 47-63Hz, 0.6A
- Power Efficiency : Average > 86%
- Operating temperature range : -30~55°C at full load
- Operating Humidity : 20~90%
- Withstand Voltage : I/P~O/P : 3KVAC, I/P~FG : 1.5KVAC
- Protections: OCP / SCP / OTP
- Leakage Current : 0.25-0.75 mA / 230V AC
- MTBF : 250k hrs min.MIL-HDBK-217F(25°C)

LED Driver Module

PFC Function Type (LS Series) - Class I Design (Metal Housing)

GP-LS50P Series



Constant Current / Constant Voltage Operation (CC + CV Mode)

Model No.	Output Voltage	Rated Current	Efficiency	Tolerance (A)	Dimension	Watts
LS50P-12	8-12V (12V)	4.2A	82%	+/- 5%	176 x 68 x 39mm	50.4W
LS50P-24	18-24V (24V)	2.1A	85%	+/- 5%	176 x 68 x 39mm	50.4W
LS50P-36	25-36V (36V)	1.4A	86%	+/- 5%	176 x 68 x 39mm	50.4W
LS50P-48	33-48V (48V)	1.0A	86%	+/- 5%	176 x 68 x 39mm	50.4W

CE FC cULus IP67

GP-LS70P Series



Constant Current / Constant Voltage Operation (CC + CV Mode)

Model No.	Output Voltage	Rated Current	Efficiency	Tolerance (A)	Dimension	Watts
LS70P-12	8-12V (12V)	4.9A	82%	+/- 5%	176 x 68 x 39mm	58.8W
LS70P-24	18-24V (24V)	3.1A	85%	+/- 5%	176 x 68 x 39mm	75.6W
LS70P-28	19-28V (28V)	2.4A	86%	+/- 5%	176 x 68 x 39mm	69.8W
LS70P-36	25-36V (36V)	2.1A	86%	+/- 5%	176 x 68 x 39mm	75.6W
LS70P-48	33-48V (48V)	1.4A	86%	+/- 5%	176 x 68 x 39mm	67.2W
LS70P-54	37-54V (54V)	1.4A	86%	+/- 5%	176 x 68 x 39mm	75.6W

CE FC cULus IP67

GP-LS100P Series



Constant Current / Constant Voltage Operation (CC + CV Mode)

Model No.	Output Voltage	Rated Current	Efficiency	Tolerance (A)	Dimension	Watts
LS100P-12	9-12V (12V)	8.3A	88%	+/- 5%	222 x 68 x 39mm	99.6W
LS100P-15	10-15V (15V)	6.6A	88%	+/- 5%	222 x 68 x 39mm	99.0W
LS100P-24	14-24V (24V)	4.2A	90%	+/- 5%	222 x 68 x 39mm	100.8W
LS100P-30	22-30V (30V)	3.3A	90%	+/- 5%	222 x 68 x 39mm	99.0W
LS100P-36	26-36V (36V)	2.8A	90%	+/- 5%	222 x 68 x 39mm	100.8W
LS100P-48	34-48V (48V)	2.1A	90%	+/- 5%	222 x 68 x 39mm	100.8W
LS100P-57	38-57V (57V)	1.7A	90%	+/- 5%	222 x 68 x 39mm	99.8W

CE FC cULus IP67

GP-LS150P Series



Constant Current / Constant Voltage Operation (CC + CV Mode)

Model No.	Output Voltage	Rated Current	Efficiency	Tolerance (A)	Dimension	Watts
LS150P-12	9-12V (12V)	11.0A	88%	+/- 5%	222 x 68 x 39mm	132.0W
LS150P-15	10-15V (15V)	10.0A	88%	+/- 5%	222 x 68 x 39mm	150.0W
LS150P-24	14-24V (24V)	6.3A	90%	+/- 5%	222 x 68 x 39mm	151.2W
LS150P-30	22-30V (30V)	5.0A	90%	+/- 5%	222 x 68 x 39mm	150.0W
LS150P-36	26-36V (36V)	4.2A	90%	+/- 5%	222 x 68 x 39mm	151.2W
LS150P-48	34-48V (48V)	3.2A	90%	+/- 5%	222 x 68 x 39mm	153.6W
LS150P-54	38-54V (54V)	2.8A	90%	+/- 5%	222 x 68 x 39mm	151.2W

CE FC cULus IP67

LED Driver Module

PFC Function Type (LS Series) - Class I Design (Metal Housing)

GP-LS200P Series



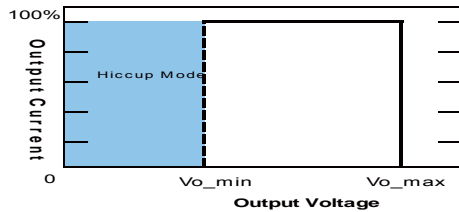
200W

Constant Current / Constant Voltage Operation (CC + CV Mode)

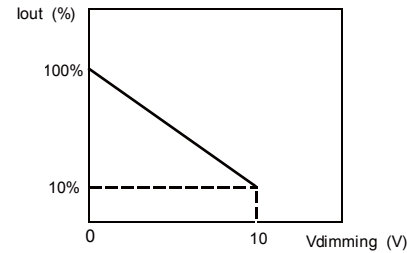
Model No.	Output Voltage	Rated Current	Efficiency	Tolerance (A)	Dimension	Watts
LS200P-12	9-12V (12V)	13.4A	87%	+/- 5%	244 x 68 x 39mm	160.8W
LS200P-24	16-24V (24V)	8.3A	90%	+/- 5%	244 x 68 x 39mm	199.2W
LS200P-36	27-36V (36V)	5.6A	90%	+/- 5%	244 x 68 x 39mm	201.6W
LS200P-48	37-48V (48V)	4.1A	90%	+/- 5%	244 x 68 x 39mm	196.8W

CE FC c  US IP67
(pending)

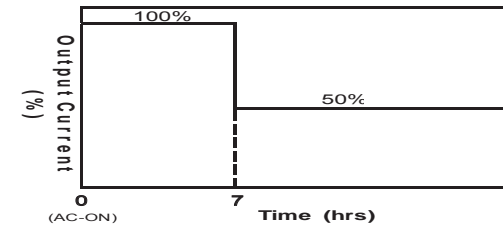
LS Series - Constant Current / Constant Voltage Operation



1-10V Dimming (Optional)



Timer Dimming (Optional)



PFC Dimming Type - Class II Design (Plastic Housing) - AC Dimming Series

GP-TS10P Series



10W

120V-Triac Dimming (Constant Current Mode)

Model No.	Output Voltage	Rated Current	Efficiency	Connector type	Tolerance (A)	Dimension	Watts
TS10P-30L	15-30V	350mA	78%	Stripped	+/- 10%	108 x 30.5 x 26mm	10.5W
TS10P-21L	10-21V	500mA	76%	Stripped	+/- 7%	108 x 30.5 x 26mm	10.5W
TS10P-15L	7-15V	700mA	75%	Stripped	+/- 7%	108 x 30.5 x 26mm	10.5W

FC c  US IP65
(pending)

240V-Triac Dimming (Constant Current Mode)

Model No.	Output Voltage	Rated Current	Efficiency	Connector type	Tolerance (A)	Dimension	Watts
TS10P-30H	15-30V	350mA	78%	Stripped	+/- 10%	108 x 30.5 x 26mm	10.5W
TS10P-21H	10-21V	500mA	76%	Stripped	+/- 7%	108 x 30.5 x 26mm	10.5W
TS10P-15H	7-15V	700mA	75%	Stripped	+/- 7%	108 x 30.5 x 26mm	10.5W

CE IP65

LED Driver Module

PFC Dimming Type - Class II Design (Plastic Housing) - AC Dimming Series

GP TL/TH Series



16W

120V-Triac Dimming (Constant Current Mode)

Model No.	Output Voltage	Rated Current	Efficiency	Connector type	Tolerance (A)	Dimension	Watts
TLA212-15	8-12V DC	1250mA	79%	Stripped	+/- 6%	85 x 54 x 32.5mm	15.0W
TLA115-15	10-15V DC	1120mA	80%	Stripped	+/- 6%	85 x 54 x 32.5mm	16.8W
TL7024-15	16-24V DC	700mA	81%	Stripped	+/- 6%	85 x 54 x 32.5mm	16.8W
TL5036-15	24-36V DC	470mA	82%	Stripped	+/- 6%	85 x 54 x 32.5mm	16.8W
TL3548-15	30-48V DC	350mA	79%	Stripped	+/- 6%	85 x 54 x 32.5mm	16.8W

240V-Triac Dimming (Constant Current Mode)

Model No.	Output Voltage	Rated Current	Efficiency	Connector type	Tolerance (A)	Dimension	Watts
THA212-15	8-12V DC	1250mA	80%	Stripped	+/- 6%	85 x 54 x 32.5mm	15.0W
TH7042-15	16-24V DC	700mA	81%	Stripped	+/- 6%	85 x 54 x 32.5mm	16.8W
TH5036-15	24-36V DC	470mA	82%	Stripped	+/- 6%	85 x 54 x 32.5mm	16.8W
TH3548-15	30-48V DC	350mA	80%	Stripped	+/- 6%	85 x 54 x 32.5mm	16.8W

us IP65

GP-TL/TH Series



24W

120V-Triac Dimming (Constant Current Mode)

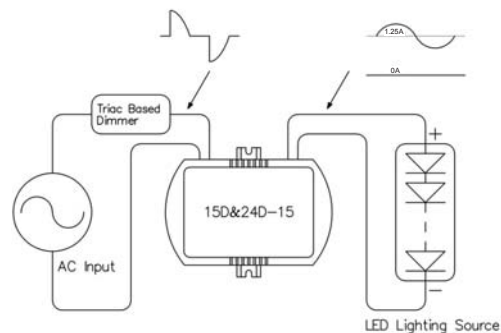
Model No.	Output Voltage	Rated Current	Efficiency	Connector type	Tolerance (A)	Dimension	Watts
TLA220-15	10-20V DC	1200mA	79%	Stripped	+/- 6%	85 x 54 x 32.5mm	24W
TLA024-15	10-24V DC	1000mA	82%	Stripped	+/- 6%	85 x 54 x 32.5mm	24W
TL7036-15	24-36V DC	700mA	82%	Stripped	+/- 6%	85 x 54 x 32.5mm	24W
TL5048-15	20-48V DC	500mA	79%	Stripped	+/- 6%	85 x 54 x 32.5mm	24W

240V-Triac Dimming (Constant Current Mode)

Model No.	Output Voltage	Rated Current	Efficiency	Connector type	Tolerance (A)	Dimension	Watts
THA220-15	10-20V DC	1200mA	79%	Stripped	+/- 6%	85 x 54 x 32.5mm	24W
THA024-15	12-24V DC	1000mA	82%	Stripped	+/- 6%	85 x 54 x 32.5mm	24W
TH7036-15	24-36V DC	700mA	82%	Stripped	+/- 6%	85 x 54 x 32.5mm	24W
TH5048-15	28-48V DC	500mA	79%	Stripped	+/- 6%	85 x 54 x 32.5mm	24W

us IP65

◆ Wiring Diagram : work with leading edge and trailing edge dimmers



◆ Dimmer Recommended Chart

120V Type:

Manufacturer	Dimmer Model
LUTRON	SKYLARK SELV-300P
LUTRON	DIVA DVLV-600P
LUTRON	DIVA DV600P
LEVITON	SURESLIDE 6631
LEVITON	TRIMATRON 6681

240V Type:

Manufacturer	Dimmer Model
DUWI	ET1 53850
BUSCH-JAEGER	2247U
BUSCH-JAEGER	U102
HPM	CAT400T
HPM	CAT250T
CLIPSAL	32E450UDM
CLIPSAL	NO32E450LM

IP65

LED Driver Module

PFC Dimming Type - Class II Design (Plastic Housing) - DC Dimming Series

GP-LS10P Series



12W

Constant Current Models + Dimming Function

Model No.	Output Voltage	Rated Current	Efficiency	Connector type	Tolerance (A)	Dimension	Watts
LS10P-35A	4-35V DC	350mA	80%	Stripped	+/- 10%	108 x 30.5 x 26mm	12W
LS10P-17A	4-17V DC	700mA	80%	Stripped	+/- 10%	108 x 30.5 x 26mm	12W

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LS35P Series



29W

Constant Current Models + Dimming Function

Model No.	Output Voltage	Rated Current	Efficiency	Connector type	Tolerance (A)	Dimension	Watts
LS35P-42A	5-42V DC	700mA	84%	Stripped	+/- 5%	163 x 45 x 35mm	29.4W

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GP-LP60P Series



60W

Constant Current Models + Dimming Function

Model No.	Output Voltage	Rated Current	Efficiency	Connector type	Tolerance (A)	Dimension	Watts
LP60P-12A	9-12V	5.0A	87%	Stripped	+/- 5%	163 x 45 x 33 mm	60.0W
LP60P-24A	12-24V	2.5A	87%	Stripped	+/- 5%	163 x 45 x 33 mm	60.0W
LP60P-28A	20-28V	2.1A	87%	Stripped	+/- 5%	163 x 45 x 33 mm	58.8W
LP60P-36A	24-36V	1.7A	87%	Stripped	+/- 5%	163 x 45 x 33 mm	61.0W
LP60P-48A	36-48V	1.2A	87%	Stripped	+/- 5%	163 x 45 x 33 mm	60.0W

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GP-LP75P Series



75W

Constant Current Models + Dimming Function

Model No.	Output Voltage	Rated Current	Efficiency	Connector type	Tolerance (A)	Dimension	Watts
LP75P-24A	12-24V	3.1A	87%	Stripped	+/- 5%	163 x 45 x 33mm	75.0W
LP75P-28A	20-28V	2.6A	87%	Stripped	+/- 5%	163 x 45 x 33mm	75.0W
LP75P-36A	24-36V	2.1A	87%	Stripped	+/- 5%	163 x 45 x 33mm	75.6W
LP75P-48A	36-48V	1.5A	87%	Stripped	+/- 5%	163 x 45 x 33mm	75.0W

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Dimming Control :

1. PWM dimming: $0 < V_{adj} < 10V$ (200~3K Hz)
2. Analog Dimming Control :control by external voltage 0-10V DC

LED Driver Module

DC-DC LED Driver (Plastic Housing)

DC-DC LED Driver



Features:

- For High Brightness Light-Emitting Diode products
- DC 12V/24V input
- Fully isolated plastic case with stripped
- Built-in Constant Current limiting design
- Operation from -10°C-40°C full load
- Protections : OVP / OLP/ SCP
- 1 year warranty

Model No.	Input Voltage	Output Voltage	Rated Current	Connector type	Tolerance (A)	Dimension	Watts
GP-LD3510-12	12V	3-10V	350mA	Stripped	+/- 10%	27 x 24 x 28mm	2W
GP-LD7012-12	12V	3-12V	650mA	Stripped	+/- 10%	27 x 24 x 28mm	9W
GP-LD3508-24	24V	3-8V	350mA	Stripped	+/- 10%	27 x 24 x 28mm	2W
GP-LD3520-24	24V	3-20V	350mA	Stripped	+/- 10%	27 x 24 x 28mm	5W
GP-LD7012-24	24V	3-12V	650mA	Stripped	+/- 10%	27 x 24 x 28mm	9W

DC-DC LED Constant Current Regulator



Features:

- RoHS-compliant 2"x1" case Package Power LED Driver.
- Constant Current Output ($\pm 5\%$ Output Current Accuracy)
- LED Driver Rated Current 350mA.
- Soft Start
- Wide Input Voltage Range : 9V to 36V (38V for 0.1sec.)
- Output Power to 16.8W
- Driver LED Strings of up to 48V (14V to 48V)
- High Efficiency (up to 94%)
- PWM/Digital Dimming and Analog Voltage Dimming
- Open Voltage Protection / Short LED Protection
- -40°C~85°C Operation Temperature Range

95% High Efficiency Step UP LED Driver (With Dimming Function)

Model No.	Input Voltage	Output Voltage	Rated Current	Connector type	Tolerance (A)	Dimension	Watts
GP-LD3548-0B	9-36V	14-48V	350mA	Module	+/- 5%	51 x 26 x 15mm	16.8W
GP-LD7048-0B	9-36V	23-48V	700mA	Module	+/- 5%	51 x 26 x 15mm	33.6W

DC-DC LED Constant Current Regulator



Features:

- RoHS-compliant 14 Pin DIL Package (Row Dist : 5.08mm)
- Constant Current Output (+/-5% Output Current Accuracy)
- Wide Input Voltage Range : 7V to 30V (40V for 0.5sec.)
- Driver LED Strings of up to 28V (2V to 28V)
- High Efficiency (up to 95%)
- PWM/Digital Dimming and Analog Voltage Dimming
- Open and Short LED Protection
- -40°C ~ 85°C Operation Temperature Range

95% High Efficiency Step Down LED Driver (With Dimming Function)

Model No.	Input Voltage	Output Voltage	Rated Current	Connector type	Tolerance (A)	Dimension	Watts
GP-LD7014-0M	7-16V	2-14V	700mA	Module	+/- 5%	12.7 x 10 x 6.8mm	6W
GP-LD3528-0M	7-30V	2-28V	350mA	Module	+/- 5%	20 x 10 x 7mm	8W
GP-LD7028-0M	7-30V	2-28V	700mA	Module	+/- 7%	24 x 14 x 10mm	20W
GP-LDA028-0M	7-30V	2-28V	1000mA	Module	+/- 7%	24 x 14 x 10mm	24W

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