



# LED DRIVER PRODUCT CATALOGUE

2017



POWERED BY **MOSO**<sup>®</sup>

## 42-320W



### GLDP Universal Programmable Drivers

GLDP series is configurable constant current LED driver with high reliability. The rated power range is from 42W to 320W. Monitored by an infrared based programming device, the fully programmed drivers offer all dimming options and a wide range of output current in a single driver, which deliver maximum flexibility with customized operating settings and intelligent control options for OEMs, as one driver can be programmed for many different luminaire designs. GLDP provides built-in timer dimming schedules further increasing the energy savings and CO2 reductions achieved with LED lighting. It also help clients to simplify the management of logistics and stock.

### Features:

Use MCU control to limit the delivered power, output current configurable, output voltage self-reacting;  
 Built-in 3-in-1 dimming and auto-react: 0-10Vdc, PWM signal, timer control;  
 Signal amplitude can be 5V or 10V;  
 Equipped with interactive visual software to customize output setting;  
 Universal input voltage: (90 ~ 305)Vac;  
 Soft-switching patented technology, high efficiency up to 93%;

Overall protection: Short circuit / Over temperature / Over voltage;  
 Surge immunity: DM-5KV, CM-10KV;  
 IP67, glue potted, suitable for dry / wet / damp locations;  
 Complied with CCC/CE/CB/ENEC/SAA/BIS/UL safety regulations;  
 Ambient temperature: -40° ~ +60°.

### Application:

LED street lighting, industrial lighting, and landscape lighting.

**BIS SAA CB CE**   

Model	Output power (W)	Available versions	Output current adjustable range (A)	Output voltage range (Vdc)	Efficiency
GLDP-042	42W	0.35A / 120V	0.30 ~ 0.53A	80 ~ 140V	86%
		0.70A / 60V	0.53 ~ 0.93A	45 ~ 80V	86%
		1.20A / 35V	0.93 ~ 1.40A	24 ~ 45V	87%
GLDP-060	60W	0.70A / 86V	0.33 ~ 0.70A	80 ~ 180V	87%
		1.05A / 57V	0.75 ~ 1.05A	45 ~ 80V	87%
		1.67A / 36V	1.33 ~ 1.80A	24 ~ 45V	87%
GLDP-075	75W	0.35A / 214V	0.28 ~ 0.53A	120 ~ 270V	88%
		0.70A / 107V	0.53 ~ 1.10A	60 ~ 141V	88%
		1.21A / 62V	1.20 ~ 1.67A	35 ~ 62V	87%
		2.10A / 36V	1.40 ~ 2.10A	20 ~ 54V	87%
GLDP-105	105W	0.70A / 150V	0.344 ~ 0.86A	120 ~ 305V	91%
		1.40A / 75V	0.70 ~ 1.40A	60 ~ 150V	91%
		2.91A / 36V	1.69 ~ 3.00A	20 ~ 62V	90%
GLDP-120	120W	0.70A / 171V	0.40 ~ 0.70A	120 ~ 305V	92%
		1.05A / 114V	0.70 ~ 1.40A	60 ~ 170V	92%
		2.67A / 45V	1.93 ~ 3.00A	20 ~ 62V	92%
GLDP-150	150W	0.70A / 214V	0.45 ~ 0.70A	176 ~ 335V	92%
		0.70A / 214V	0.70 ~ 1.10A	80 ~ 214V	91%
		1.40A / 107V	1.25 ~ 2.10A	60 ~ 120V	91%
		4.20A / 36V	2.80 ~ 4.20A	20 ~ 54V	90%
GLDP-200	200W	0.70A / 286V	0.45 ~ 0.70A	230 ~ 445V	91%
		1.40A / 143V	0.65 ~ 1.40A	120 ~ 305V	91%
		2.80A / 72V	1.67 ~ 2.80A	60 ~ 120V	91%
		5.50A / 36V	3.70 ~ 6.30A	20 ~ 54V	90%
GLDP-240	240W	1.05A / 228V	0.65 ~ 1.10A	190 ~ 368V	92%
		1.40A / 170V	1.33 ~ 2.10A	80 ~ 180V	92%
		5.00A / 48V	3.87 ~ 5.20A	20 ~ 62V	92%
		6.70A / 36V	5.86 ~ 7.50A	20 ~ 41V	92%
GLDP-320	320W	0.70A / 457V	0.70 ~ 1.10A	235 ~ 457V	93%
		1.40A / 228V	1.39 ~ 2.10A	120 ~ 230V	93%
		6.70A / 48V	5.16 ~ 8.20A	20 ~ 62V	92%
		8.90A / 36V	7.80 ~ 10.00A	20 ~ 41V	92%

## 26-150W

### GEHC LED Drivers

GEHC series is a constant-current, IP67 LED driver that operates from 108-305Vac input with excellent power factor and low THD. It is created for industrial lights, tunnel and street lights. The high efficiency of these drivers and compact metal case enable them to run cooler, significantly improving reliability and extending product life. To ensure trouble-free operation, protection is provided against input surge, output over voltage, short circuit, and over temperature.



### Features:

Universal input voltage: (108 ~ 305)Vac;  
Soft-switching patented technology, high efficiency up to 90%;  
Overall protection: Short circuit / Over temperature / Over voltage;  
Surge immunity: DM-4KV, CM-6KV;  
IP67, glue potted, suitable for dry / wet / damp locations;  
Complied with CCC/CE safety regulations;  
Ambient temperature: -40° ~ +75°.

### Application:

LED street lighting, industrial lighting, and landscape lighting.



Model	Output power (W)	Available versions	Output voltage range (Vdc)	Efficiency
GEHC-026	26W	0.35A / 74V	37 ~ 74V	88%
		0.70A / 37V	20 ~ 37V	87%
		0.86A / 30V	20 ~ 30V	86%
		1.05A / 25V	18 ~ 25V	85%
GEHC-042	42W	0.50A / 84V	42 ~ 84V	88%
		0.70A / 60V	30 ~ 60V	88%
		0.86A / 49V	25 ~ 49V	87%
		1.05A / 40V	20 ~ 40V	87%
GEHC-060	60W	0.70A / 86V	48 ~ 86V	88%
		0.86A / 70V	35 ~ 70V	88%
		1.05A / 57V	34 ~ 57V	88%
GEHC-150	150W	0.70A / 214V	107 ~ 214V	90%
		0.86A / 174V	87 ~ 174V	90%
		1.05A / 143V	72 ~ 143V	88%

## 60-320W



### GLHP Ultra High Input Voltage Drivers

With 249 to 528V AC input, GLHP series is designed for ultra high voltage market (277Vac/347Vac/480Vac), it's especially suitable for North America industrial electrical network. GLHP is configurable constant current LED driver with high reliability, has power selections from 60W to 320W. Monitored by an infrared based programming device, the fully programmed drivers offer all dimming options and a wide range of output current in a single driver, which deliver maximum flexibility with customized operating settings and intelligent control options for OEMs, as one driver can be programmed for many different luminaire designs. LHP provides built-in timer dimming schedules further increasing the energy savings and CO2 reductions achieved with LED lighting. It also help clients to improve the management of logistics and stock.

### Features:

Use MCU control to limit delivered power, output current configurable, output voltage self-reacting;  
 Built-in 3-in-1 dimming and auto-react: 0-10Vdc, PWM signal, timer control;  
 Signal amplitude can be 5V or 10V;  
 Equipped with interactive visual software to customize output setting;  
 Wide input voltage range: (249 ~ 528)Vac;  
 Soft-switching patented technology, high efficiency up to 93%;

Overall protection: Short circuit / Over temperature;  
 Surge immunity: DM-4KV, CM-6KV;  
 IP67, glue potted, suitable for dry / wet / damp locations;  
 Complied with UL safety regulations;  
 Ambient temperature: -40° ~ +60°.

### Application:

LED street lighting, industrial lighting, and landscape lighting.



Model	Output power (W)	Available versions	Output current adjustable range (A)	Output voltage range (Vdc)	Efficiency
GLHP-060	60W	0.70A / 85V	0.67 ~ 0.95A	45 ~ 90V	87%
		1.05A / 57V	0.97 ~ 1.40A	20 ~ 62V	87%
		1.67A / 36V	1.67 ~ 2.10A	18 ~ 36V	87%
GLHP-105	105W	1.40A / 75V	0.70 ~ 1.40A	60 ~ 150V	91%
		2.50A / 42V	1.69 ~ 3.00A	20 ~ 62V	91%
		2.91A / 36V	2.92 ~ 4.20A	18 ~ 36V	91%
GLHP-150	150W	0.70A / 214V	0.70 ~ 1.10A	80 ~ 214V	91%
		2.10A / 71V	1.39 ~ 2.10A	60 ~ 108V	91%
		2.80A / 54V	2.42 ~ 3.75A	20 ~ 62V	91%
		4.20A / 36V	4.17 ~ 5.00A	18 ~ 36V	91%
GLHP-200	200W	0.70A / 285V	0.65 ~ 1.00A	190 ~ 305V	91%
		1.40A / 143V	1.05 ~ 1.40A	120 ~ 190V	91%
		2.80A / 72V	1.67 ~ 2.80A	60 ~ 120V	91%
		4.20A / 47V	3.23 ~ 5.00A	20 ~ 62V	91%
		5.50A / 36V	5.56 ~ 6.60A	18 ~ 36V	91%
GLHP-240	240W	1.05A / 228V	0.65 ~ 1.10A	190 ~ 368V	92%
		1.40A / 170V	1.33 ~ 2.10A	80 ~ 180V	92%
		5.00A / 48V	3.87 ~ 5.20A	20 ~ 62V	92%
		6.67A / 36V	6.67 ~ 8.00A	18 ~ 36V	92%
GLHP-320	320W	1.40A / 228V	1.39 ~ 2.10A	120 ~ 230V	93%
		6.70A / 48V	5.16 ~ 8.20A	20 ~ 62V	92%
		8.90A / 36V	8.89 ~ 10.60A	20 ~ 36V	92%





## 75-320W

### GLCP Class II DALI Drivers

GLCP series is designed for European market where has higher safety requirement, suitable for Class II application, the output power range is from 75W to 320W. Monitored by an infrared based programming device, the fully programmed drivers offer all dimming options and a wide range of output current in a single driver, which deliver maximum flexibility with customized operating settings and intelligent control options for OEMs, as one driver can be programmed for many different luminaire designs. GLCP provides built-in timer dimming schedules further increasing the energy savings and CO2 reductions achieved with LED lighting. It also help clients to improve the management of logistics and stock. GLCP offers interface for environment sensors / Dali control / light control system as well.



### Features:

Compliant with Class II applications;  
 Use MCU control to limit delivered power, output current configurable, output voltage self-reacting;  
 Built-in 3-in-1 dimming and auto-react: 0-10Vdc, PWM signal, timer control;  
 DALI control is optional;  
 12V/0.2A auxiliary power supply is optional. Can be dim-to-off;  
 Signal amplitude can be 5V or 10V;  
 Equipped with interactive visual software to customize output setting;  
 Output and signal isolation; Stand-by power consumption <1W;

Input voltage: (176 ~ 305)Vac;  
 Soft-switching patented technology, high efficiency up to 93%;  
 Overall protection: Short circuit / Over temperature / Over voltage;  
 Surge immunity: DM-5KV;  
 IP67, glue potted, suitable for dry / wet / damp locations;  
 Complied with CE safety regulations; Ambient temperature: -40° ~ +60°.

### Application:

LED street lighting, industrial lighting, and landscape lighting.

# CBCE

Model	Output power (W)	Available versions	Output current adjustable range (A)	Output voltage range (Vdc)	Efficiency
GLCP-075	75W	0.35A / 214V	0.28 ~ 0.53A	120 ~ 270V	88%
		0.70A / 107V	0.53 ~ 1.10A	60 ~ 141V	88%
		1.40A / 54V	1.21 ~ 1.88A	20 ~ 62V	87%
		2.10A / 36V	1.86 ~ 2.68A	20 ~ 41V	87%
GLCP-120	120W	0.70A / 171V	0.40 ~ 0.70A	120 ~ 305V	92%
		1.40A / 114V	0.70 ~ 1.40A	60 ~ 170V	92%
		2.50A / 48V	1.93 ~ 3.00A	20 ~ 62V	92%
		3.33A / 36V	2.93 ~ 4.29A	20 ~ 41V	91%
GLCP-150	150W	0.70A / 214V	0.45 ~ 0.70A	176 ~ 335V	92%
		1.05A / 143V	0.70 ~ 1.10A	80 ~ 214V	92%
		1.40A / 107V	1.25 ~ 2.10A	60 ~ 120V	92%
		3.13A / 48V	2.80 ~ 4.20A	20 ~ 54V	90%
		4.17A / 36V	4.17 ~ 5.36A	20 ~ 36V	90%
GLCP-200	200W	0.70A / 286V	0.45 ~ 0.70A	230 ~ 445V	91%
		1.40A / 143V	0.65 ~ 1.40A	120 ~ 305V	91%
		2.80A / 72V	1.67 ~ 2.80A	60 ~ 120V	91%
		4.17A / 48V	3.23 ~ 5.00A	20 ~ 62V	90%
		5.56A / 36V	4.88 ~ 7.00A	20 ~ 41V	90%
GLCP-240	240W	1.05A / 228V	0.65 ~ 1.10A	190 ~ 368V	92%
		1.40A / 170V	1.33 ~ 2.10A	80 ~ 180V	92%
		5.00A / 48V	3.87 ~ 5.20A	20 ~ 62V	92%
		6.70A / 36V	5.85 ~ 7.50A	20 ~ 41V	92%
GLCP-320	320W	0.70A / 457V	0.70 ~ 1.10A	235 ~ 457V	93%
		1.40A / 228V	1.39 ~ 2.10A	120 ~ 230V	93%
		6.70A / 48V	5.16 ~ 8.20A	20 ~ 62V	92%
		8.90A / 36V	7.80 ~ 10.00A	20 ~ 41V	93%

## 60-240W



### GLTP Circular Highbay Drivers

GLTP series is new generation intelligent power supply with high reliability, the output power range: 60W-240W.

This series products creatively integrated limited power, 0-10V/ PWM dimming, dali control is optional.

The output can adapted with wide load and adjust the output parameter through potentiometer. The round shape integrated structure has excellent heat dissipation to meet the request of industrial lighting.

### Features:

Use MCU control to limit delivered power, output current configurable, output voltage self-reacting;

Built-in 2-in-1 dimming and auto-react: 0-10Vdc, PWM signal, dali control is optional;

Universal input voltage: (90 ~ 305)Vac;

Soft-switching patented technology, high efficiency up to 93%;

Overall protection: Short circuit / Over temperature;

Optional accessories: Ring(Hook), Holder;

Surge immunity: DM-4KV, CM-6KV;

Degrees of protection: IP65;

Complied with CCC/CE/UL safety regulations;

Ambient temperature: -40° ~ +60°.

### Application:

Suitable for industrial lighting.



Model	Output power (W)	Available versions	Output current adjustable range (A)	Output voltage range (Vdc)	Efficiency
GLTP-060	60W	0.70A / 86V	0.70 ~ 1.05A	29 ~ 86V	87%
		1.67A / 36V	1.33 ~ 2.14A	14 ~ 28V	87%
GLTP-100	100W	0.70A / 143V	0.70 ~ 1.05A	48 ~ 143V	92%
		1.40A / 71V	1.40 ~ 1.85A	27 ~ 71V	92%
		1.85A / 54V	1.85 ~ 2.38A	21 ~ 54V	92%
		2.78A / 36V	2.78 ~ 3.57A	14 ~ 36V	91%
GLTP-160	160W	0.70A / 228V	0.70 ~ 1.05A	76 ~ 228V	93%
		1.40A / 114V	1.40 ~ 2.10A	38 ~ 114V	93%
		2.96A / 54V	2.58 ~ 3.80A	21 ~ 62V	92%
		4.44A / 36V	4.44 ~ 5.71A	14 ~ 36V	92%
GLTP-200	200W	0.70A / 285V	0.70 ~ 1.05A	95 ~ 285V	93%
		2.80A / 71V	2.00 ~ 3.00A	33 ~ 100V	92%
		3.70A / 54V	3.23 ~ 4.76A	21 ~ 62V	92%
		5.56A / 36V	5.55 ~ 7.14A	14 ~ 36V	91%
GLTP-240	240W	0.70A / 342V	0.70 ~ 1.05A	114 ~ 342V	93%
		4.44A / 54V	3.87 ~ 5.71A	21 ~ 62V	92%
		6.67A / 36V	6.67 ~ 7.05A	17 ~ 36V	91%



35-320W

### GLSV Constant Voltage Drivers

GLSV series is constant voltage led driver, designed for lighting used for landscape illumination.

The driver has built-in active PFC, multupal protections, and 10KV surge immunity, it's an excellent design with high reliability and long life time.

There are power selections from 35W to 320W, with 12V / 24V / 36V / 48V output voltage.



### Features:

Constant voltage design;  
Active power factor correction;  
High efficiency, high reliability;  
High power factor > 0.96 (@230Vac, 100% Load);  
Universal input voltage: (90 ~ 305)Vac;  
Overall protection: Short circuit / Over temperature / Over voltage / Over load;  
Surge immunity: DM-5KV, CM-10KV;  
IP67, glue potted, suitable for dry / wet / damp locations;

Complied with CCC/CE/UL safety regulations;  
Ambient temperature: -40° ~ +60°.

### Application:

Suitable for landscape lighting.



Model	Output power (W)	Output voltage (Vdc)	Output current (A)	Efficiency
GLSV-035	35W	12V	2.92A	84%
		24V	1.46A	84%
		36V	0.98A	85%
		48V	0.73A	85%
GLSV-050	50W	12V	4.17A	85%
		24V	2.10A	85%
		36V	1.40A	86%
		48V	1.05A	86%
GLSV-075	75W	12V	6.25A	87%
		24V	3.13A	87%
		36V	2.08A	87%
		48V	1.56A	88%
GLSV-100	100W	12V	8.33A	91%
		24V	4.17A	91%
		36V	2.78A	91%
		48V	2.08A	92%
GLSV-150	150W	12V	12.50A	91%
		24V	6.25A	92%
		36V	4.17A	92%
		48V	3.13A	92%
GLSV-200	200W	12V	16.67A	91%
		24V	8.33A	92%
		36V	5.56A	92%
		48V	4.17A	92%
GLSV-320	320W	12V	22.00A	91%
		24V	13.33A	92%
		36V	8.90A	92%
		48V	6.67A	92%



## Technology Innovation Drives Future

### About Global Leader Power & MOSO

The Global Leader Power brand was created in 2012 as a direct response to LED and Automation market customer needs. It is based on the foundations and experience of Middle Europe's biggest LED driver supplier. Our products are now available all over the European continent.

We are proud to be cooperating on our designs with the biggest SMPS manufacturer in the World – MOSO, Delta Electronics.

Our goal is to deliver products that fulfill the restrict requirements of LED market, which is our priority.

Compared to other products available on the market today, all Global Leader Power are characterized by innovative PCB Design, high quality components, well established standard dimensions, and a very competitive price to quality ratio.

Most of our products are offered with a 5 year warranty, which is exceptional on the global market among professional LED drivers. We wish our customers to take part in the most demanding projects possible all across Europe.

Our motto is: no compromise and clear cooperation and distribution principles, supported by responsible Brand recognition management. One of fundamental goals of Global Leader Power is to become a strong, independent of large international syndicates, Pan European brand, that is able to compete with Eastern brands, who's policy is inconsistent, quality is arguable and the responsibility for their products sold in Europe is equal to none.

The European market experienced in this regard leave a large field for improvement and the answer to this improvement is the Global Leader Power brand.

Also our close cooperation with MOSO Power results proffesional power solutions for LED Lighting market, including time dimming and programming constant current, low to hight wattage range.

We welcome you to contact with our European representatives.