



**LIGHT
FROM
LED**



Innovative Solution for a Healthy Light

Our constant striving towards technical perfection has bore fruits in the development of future-oriented products with LED technology. We are able to offer you a most unique LED lighting solution without any potentially harmful 'light blinking'. Through a challenging and therefore seldom used analog dimming, we achieve a 'healthy light' for your living and working environment.

Independent and Flexible

With our products, the decision is yours - which LED manufacturers to buy from and when. Our power supplies can drive most major LED brands. They are independent from your choice of LED manufacturers, and with or without DALI control input.

The flexibility that comes from our own development facility in Germany enables you to find quickly the perfect lighting solution for your own unique application. With our own production facilities in Germany and in China, we are able to offer the best value and response speed for both small and large quantity orders.

Give yourself the opportunity to be informed and impressed by our new LED product lines.



Andrea Luithle
General Manager



Holger Dziadek
General Manager

We Provide You with the Foundation for an Optimal Lighting

Power Systems LED power supplies are highly efficient and dependable power stations for the complex world of LED lighting. In order to realize the potential of LED technology, a suitable power supply is essential, to provide especially a stable current flow so that the expensive LEDs can always provide the best luminance with ideal power consumption within the promised life time.

LED lighting is a developing and fast changing world. New products are constantly emerging with varying demands on output currents. Do you need to search every time for a new power supply? Our answer is NO. With our patented Power Systems plug-in technique, every user can adjust easily and safely for themselves the desired output current by simply plugging in a different chip with a higher output current value without stopping your application (hot-swappable). There is:

- no need to use computer programming.
- no risk of false settings.
- no complex measurements to be done.
- and most importantly no need to change your power supplies every time you develop a new lighting product.

For many product models, a DALI control input is optionally available, so that the power supplies can be controlled from a DALI central digital system. Their dimming functions are also achieved through analog methods which avoid light blinking and EMI problems.

Power Systems power supplies can be used with all brands of LEDs and can be easily integrated within your favorite LED system environment. With a high efficiency of up to 96% percent and a wide product range from 6 to 200 Watt, our power supplies are the ideal components for a sophisticated lighting system. We also provide specially developed cooling mechanisms, both active and passive. Together with our wide range of output currents and light colors, we equip you with the highest flexibility.



POWER SUPPLY LED PATENTED



LED LIGHTNING SYSTEM



System Performance with an Affordable Price

Power Systems LEDengine: matured perfection in LED technology for a wide application range. Especially for lighting of large halls, exhibitions or business premises, our LEDengine impresses all with its high quality and great value-for-money ratio. Together with our power supply, the LEDengine is the perfect partner for most COB LED brands. Together they form a most efficient total solution that gives you the best system performance. This is our answer to your search for the best combination of LEDs, LEDengines and LED power supplies.

The seal 'Made in Germany' is in many ways synonymous with quality and dependability. Our products attest to this by using the more costly soldering as our only connecting method. This choice is based on the unique ability of soldering to achieve enormously long life-time stability for the lighting system in contrast with other much cheaper connecting methods such as the LED holder.

Take our claim and test our products for yourself. You will be amazed by the many technical possibilities and business advantages of the Power Systems new LED product lines.



LEDengine LED SYSTEMS



LED-Driver 20 / 35 Watt with and without DALI interface

PS-LEDP20-L / PS-LEDP20-DALI-L
PS-LEDP35-L / PS-LEDP35-DALI-L



Dimmable also without DALI by using „Push-Button“ on secondary side.

Product advantages

- Change output current fast and easily by using our patented current selector plug.
- Select the output current you want, plug it in and done.
- All interim values are possible.

Product features

- Constant current (CC) to directly drive the LED
- Output power: 20 / 35 Watt
- Output current range: 200 ~ 1500 mA
- Output voltage range: 9 ~ 50 Vdc
- SELV equivalents

Technical data

Output current range	200 ~ 1500 mA
Output voltage range	9 ~ 50 Vdc
Input voltage range	90 ~ 264 Vac
Efficiency	91 %
Output power	20 / 35 Watt
Lost power in stand-by-mode	1 Watt
Fan output voltage	6 ~ 12 Vdc (adjustable)
Topology	Full PFC (20 Watt)
Cable clamps	Poke-in (screwless)



LED-Driver 5 / 150 Watt in CC or CV version

PS-LDP-x Serie
PS-LDR-x Serie



- Wide product portfolio: 5 to 150 Watt
- Different footprints available
- Protection class: IP 67

Product advantages

- Available as constant current, or constant voltage
- Outdoor useable (IP67) , fully coated
- Custom designs or modifications are possible

Product features

- Output power range: 5 to 150 Watt
- Output voltage range: 9 ~ 50 Vdc
- Optional output voltage of 200 Vdc
- Good price to value ratio

Technical data

Output current range	100 ~ 5400 mA
Output voltage range	9 ~ 50 Vdc
Input voltage range	90 ~ 264 Vac
Efficiency	90 %
Output power range	5 ~ 150 Watt
Lost power in stand-by-mode	< 0,5 Watt
Protection class	IP 67
Case shape	round, long or compact
Cable	fixed within device



LED-Driver 35 / 85 Watt for nearly all kinds of COB's

PS-LEDP85-C / PS-LEDP85-DALI-C



Healthy light without 100Hz flashing nor PWM-flicker.

Product advantages

- High output voltage of 55 Vdc
- Adjustable output current range: 200 to 1500mA
- Fan output voltage range: 6 ~ 12 Vdc (adjustable)

Product features

- Output current automatically regulated through thermo-temperature sensor (NTC)
- Output current soft start to extend LED life time
- High efficiency >91%

Technical data

Output current range	200 ~ 1500 mA
Output voltage range	21 ~ 55 Vdc
Optional output voltage	of 200 Vdc
Input voltage range	90 ~ 264 Vac
Efficiency	91 %
Output power	35 / 85 Watt
Isolation class	SELV / Class 2 isolation
DALI interface	DALI
Topology	Full PFC
Cable clamps	Poke-in (screwless)



POWER SUPPLY LED CONTROL



LED-Driver 6 to 250 Watt for nearly all kinds of LED's

PS-SMP-Serie



The PS-SMP product series is designed for the cost sensitive market segment. The drivers are available in both CC and CV modes.

Product advantages

- Large product range from 6 to 250 Watt
- Slimline design

Product features

- Screw terminal
- Approved for use as part of furniture accessories
- Compact design

Technical data

Output current range	350 – 16700 mA
Output voltage range	8 – 142 Vdc
Input voltage range	90 – 264 Vac
Efficiency	90 %
Output power range	6 – 250 Watt
Protection class	IP 67
Case shape	Slimline, long or compact
Cable clamps	Screw terminal



LEDengine for nearly all kinds of COB's

PS-LE2-1 / PS-LE2-2



With our LEDengines you can achieve fast time to market for your products. We take care of all LED technical issues for your lamp designs.

Product advantages

- Active cooling up to 75 Watt
- Passive cooling up to 25 Watt
- No unsightly protruding external heat sink wings

Product features

- SUNON fan with 70 thousand hours MTBF
- Extremely silent, based on magnet field technology
- Fast and simple assembling of the reflector by bayonet catch (LEDiL)

Technical data

Dimension	60 x 60 x 70 mm (passive)
Dimension	60 x 60 x 85 mm (active)
Output power range	10 – 75 Watt
Optional temperature regulated	by NTC
Fan	Sunon magnet field HA50151V4-000U-999
Flux	up to 7500 lm
Compatible LEDs	COBs up to 33mm in diameter
Bracket	Special hook for c-profile available. Easy to use and with great value



Accessories for the PS-LEDP-serie

Dimming Automatic Regulation Sensors



With our comprehensive range of accessories, our LED driver PS-LEDP will transform into a real all-rounder. Energy saving and comfort will make life easier for all and continue to save your costs for all of its lifetime.

Product advantages

- Simply plug the module into the LED driver, then plug in the sensor and you are done
- The sensors are easily connectable and extendable by using standard USB extension cables

Product features

- Dimming function also without DALI by using a push button on secondary side. No cost intensive and complex isolation hardwares required
- Anti Aging Module: for consistent light emission over the entire life time of your LEDs
- Movement sensor: the output current will be automatically and slowly reduced, when no one is present in the circle of detection. On/off time and reaction time are easily and simply adjustable
- Auto-light-sensor: the luminance sensor measures the brightness at the target location and will automatically adjust the LED driver luminance output according to the ambient light conditions. Result: perfect utilization of both natural and artificial light. Always the ideal luminance for the end user and maximum energy saving

Technical data

Supply voltage	5 Vdc supported by LED driver PS-LEDP-series
Sensor cable connection	Standard USB-extension cable type A (femalen / male)
Dimming function	push button on secondary side: SELV
Case	Plastic isolation class 2





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