

# Matching power supplies with LED products

Updated on 26/03/10

## Constant voltage power supplies - maximum number of LED products

Symbol of a product	Power mode <sup>1)</sup>	Power <sup>2)</sup>	Symbol of a power supply																
			LPH-18-12	LPV-20-12	PLN/ELN-30-12	LPV-35-12	PLN-45-12	LPV/PLN/ELN/C LG-60-12	CLG-150-12	HLG-240-12	LPH-18-24	LPV-20-24	PLN/ELN-30-24	LPV-35-24	PLN-45-24	LPV/PLN/ELN/C LG-60-24	CLG-100-24	CLG-150-24	HLG-240-24
			Products connected in parallel																
<b>LEDIS 3XP</b>	12V - 350mA	4,2W	4	4	7	8	10	14	31	45									
<b>LEDIS 6XP</b>	24V - 350mA	8,4W									2	2	3	4	5	7	11	17	28
<b>LUMO 6XP</b>	24V - 350mA	10W									1	1	2	3	4	5	8	12	20
	24V - 700mA	15W <sup>3)</sup>									1	1	1	2	2	3	5	8	14
	24V - 1050mA	22W <sup>4)</sup>											1	1	1	2	4	6	10

1) LED products powered from constant voltage - build in constant current regulator.  
 3) Only for products with XP-E (except AMB) and XP-G LEDs.

2) Estimated power value – exact data in data sheet.  
 4) Only for products with XP-E (except AMB, RED, RED-ORA) and XP-G.

**Constant current** power supplies - maximum number of LED products

Symbol of a product	Power mode <sup>1)</sup>	Power <sup>2)</sup>	LEDlight 1-5VA	LEDlight 1-12VA	LEDlight 1-20VA	LEDlight 1-40VA	LEDlight 1-12VA MINIDIM	LEDlight 1-20VA DIM	LEDlight 1-20VA UNIDIM	LPC-20-350 LPHC-18-350	LPC-20-700 LPHC-18-700	LPC-35-700	LPC-35-1050	LPC-60-1050
			Products connected in series											
<b>LUMO 1XP(XR) ALU</b> <b>LUMO 1XR</b> <b>m-LUMO 1XP(XR)<sup>5)</sup></b> <b>ROUND XP(XR)</b> <b>STAR XP(XR)</b> <b>MEGA 1XP</b>	350mA	1,2W	4	9	8	9	9	16 <sup>4)</sup>	9	14				
	700mA <sup>2)</sup>	2,4W		4	8	9	5		8		8	12		
	1050mA <sup>3)</sup>	3,8W				9			5					8
<b>MEGA 2XP</b>	350mA	2,4W	2	4	4	4	4	8 <sup>4)</sup>	4	7				
	700mA <sup>2)</sup>	4,8W		2	4	4	2		4		4	6		
	1050mA <sup>3)</sup>	7,6W				4			2				4	6
<b>LUMO 3XP</b> <b>MEGA 3XP</b> <b>LEDIS 3XR</b>	350mA	3,6W	1	3	2	3	3	4 <sup>4)</sup>	3	4				
	700mA <sup>2)</sup>	7,2W		1	2	2	1		3		2	4		
	1050mA <sup>3)</sup>	11,4W				2			1				2	4
<b>LUMO 1MC-E ALU</b> <b>STAR 1MC-E</b> <b>LUMO 4XP</b>	350mA	4,8W	1	2	2	2	2	4 <sup>4)</sup>	2	3				
	700mA <sup>2)</sup>	9,6W		1	2	2	1		2		2	3		
	1050mA <sup>3)</sup>	15,2W				2			1				2	3
<b>LEDIS 5XR</b>	350mA	6W		1	1	1	1	2 <sup>4)</sup>	1	2				
<b>LEDIS 9XR</b>	350mA	10,8W		1	1	1	1		1	1				

1) Estimated power value – exact data in data sheet.

3) Only for products with XP-E (except AMB, RED, RED-ORA), XP-G and XR-E (only CW).

5) For m-LUMO module maximum current is 700mA (XR version) or 350mA (XP version).

2) Only for products with XP-E (except AMB), XP-G and XR-E LEDs.

4) Power supply with two 350mA outputs. Modules are connected in two independent series.

# Matching power supplies with LED products

Updated on 26/03/10

Basic parameters of **constant current** power supplies.\*)

Symbol	Type	Current	Voltage	Efficiency	Operating temperature	IP code	Size	Weight	Terminals	Additional information
	[W]	[mA]	[V]	[%]	[°C]	IP	[mm]	[g]		
	max	typically	max	max	min + max		typically	typically		
<b>LEDlight 1-5VA</b>	5,2	350	15	85	-20 ÷ 45	20	99x39x23	70	screw connectors	
<b>LEDlight 1-12VA</b>	11,2	350/700	32/15	85	-20 ÷ 45	20	99x39x23	70	junction-box	switchable output 350/700mA
<b>LEDlight 1-20VA</b>	20,3	350/700	29/29	85	-20 ÷ 50	20	110x51x23	99	screw connectors	universal
<b>LEDlight 1-40VA</b>	40	350-1400	32	90	-25 ÷ 60	20	156x42x32	160	junction-box	universal, dimmable
<b>LEDlight 1-12VA MINIDIM</b>	12,6	350/700	32/18	85	-20 ÷ 45	20	99x39x23	70	junction-box	mains dimmable
<b>LEDlight 1-20VA DIM</b>	21,0	2x350	30	85	-20 ÷ 50	20	110x51x23	99	screw connectors	two 350mA outputs, dimmable
<b>LEDlight 1-20VA UNIDIM</b>	22,4	350/700/1050	32/32/20	85	-20 ÷ 50	20	110x51x23	99	junction-box	universal, dimmable
<b>LPHC-18-350</b>	16,8	350	48	80	-30 ÷ 70	67	140x30x20	175	60cm wires	
<b>LPHC-18-700</b>	17,5	700	25	80	-30 ÷ 70	67	140x30x20	175	60cm wires	
<b>LPC-20-350</b>	16,8	350	48	84	-30 ÷ 70	67	118x35x26	220	60cm wires	
<b>LPC-20-700</b>	21,0	700	30	84	-30 ÷ 70	67	118x35x26	220	60cm wires	
<b>LPC-35-700</b>	33,6	700	48	85	-30 ÷ 70	67	148x40x30	340	60cm wires	
<b>LPC-35-1050</b>	31,5	1050	30	85	-30 ÷ 70	67	148x40x30	340	60cm wires	
<b>LPC-60-1050</b>	50,4	1050	48	87	-30 ÷ 70	67	163x43x32	400	60cm wires	

\*) Power supplies with different parameters available to order.

Basic parameters of **constant voltage** power supplies.\*)

Symbol	Type	Voltage	Current	Efficiency	Operating temperature	IP code	Size	Weight	Terminals	Additional information
	[W]	[V]	[A]	[%]	[°C]	IP	[mm]	[g]		
	max	typically	max	max	min + max		typically	typically		
<b>LEDlight 1-20VA</b>	20	12/24	1,16/0,83	85	-20 ÷ 50	20	110x51x23	99	screw connectors	universal
<b>LEDlight 1-20VA UNIDIM</b>	20	12/24	1/0,83	85	-20 ÷ 50	20	110x51x23	99	junction-box	universal, dimmable
<b>LPH-18-12/24</b>	18	12/24	1,5/0,75	78/82	-30 ÷ 70	67	140x30x22	175	60cm wires	
<b>LPV-20-12/24</b>	20	12/24	1,67/0,84	81/83	-30 ÷ 70	67	118x35x26	220	60cm wires	
<b>LPV-35-12/24</b>	35	12/24	3/1,5	84/85	-30 ÷ 70	67	148x40x30	340	60cm wires	
<b>LPV-60-12/24</b>	60	12/24	5/2,5	83/86	-30 ÷ 70	67	163x43x32	400	60cm wires	
<b>PLN(ELN)-30-12/24**)</b>	30	12/24	2,5	83/84	-30 ÷ 50	64	145x47x30	220	30cm wires	ELN version dimmable
<b>PLN-45-12/24</b>	45	12/24	3,8/1,9	83/86	-30 ÷ 50	64	181x62x35	500	30cm wires	
<b>PLN(ELN)-60-12/24**)</b>	60	12/24	5	85/87	-30 ÷ 50	64	181x62x35	500	30cm wires	ELN version dimmable
<b>PLN-100-24</b>	96	24	4	87	-30 ÷ 50	64	200x71x35	520	30cm wires	
<b>CLG-60-12/24</b>	60	12/24	5/2,5	85/87	-30 ÷ 70	67	172x62x39	860	30cm wires	
<b>CLG-100-24</b>	96	24	4	90	-30 ÷ 70	67	222x68x39	1000	30cm wires	
<b>CLG-150-12/24</b>	150	12/24	11/6,3	88/90	-30 ÷ 70	65/67***)	222x68x39	1000	30cm wires	
<b>HLG-240-12/24</b>	240	12/24	16/10	90/93	-30 ÷ 70	65/67***)	244x68x39	1300	30cm wires	

\*) Power supplies with different parameters available to order.

\*\*\*) Available version with possibility of voltage and current adjustment (IP65)

\*\*) ELN version with possibility of current control with 0-10V (D) or PWM (DP) signal.