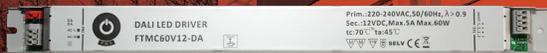


# MPL<sup>®</sup>

## GROUP



NEW BRANCH IN ZABRZE



# MPL GROUP BRANDS

## PRODUCT CATALOGUE:

- Power Supply
- LED Modules
- LED Neon
- LED Strips
- LED Profiles

# MPL®

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## GROUP

MPL Group is a Polish corporate group established in 2005. It currently associates 11 companies operating on the industrial electronics market.

Over the time it started to expand its offer with new brands and entered the markets of LED lighting, batteries, renewable energy sources and CCTV products becoming their leader in Central Europe. What is more, MPL Group supplies over 15mln devices in EU per year.

Successful cooperation with many distributors and world wide producers has contributed rapid development of the group which currently employs over 200 qualified specialists.

Thanks to our own brands MW Power, Global Leader Power (GLP), POS Power and Adler Power, whose devices are used both in the industrial market and household, our devices are present almost everywhere: lighting, advertising, ventilation, railroad, mining, automation, fiscal equipment, monitoring, security, kitchen, bathroom, sauna, store, restaurant, etc.

In addition, MPL Group offers Gel and AGM batteries, battery packs of its own production, CCTV and security equipment, UPS, air conditioning, which enables its presence in the development market, new investments and supermarkets. Since 2010, thanks to MPL Energy, the Group has been present on the renewable energy market. Our portfolio includes several hundred PV installations, including the largest rooftop installation in Poland – Chopin Airport in Warsaw.

Since of 2019, MPL Group has held a stake in GLALU, a Polish manufacturer of aluminum profiles. The offer includes innovative lighting and PV profiles.

MPL Group is committed to the highest level of customer service, transparent communication, service and technical and financial support. We cooperate with over 20 000 customers per year, currently also through the B2B system.

In 17 years of existence, we have sold more than 100 million devices. In the coming years, the MPL GROUP will continue to develop its own brands to meet the requirements and needs of our current and future customers.

We invite you to cooperation!

We are your reliable partner in business!



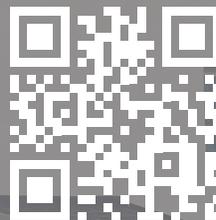
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GLOBAL LEADER ALUMINIUM

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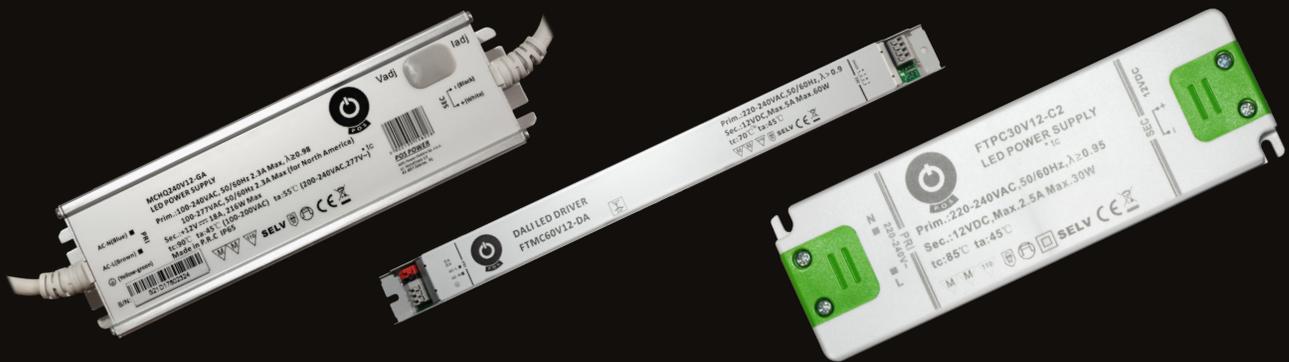
# Table of Contents

GPV series.....	6	MW-MLD-HE-1W-LENS170.....	48
GV6 series.....	7	MW-MLD-HE-2W-LENS170.....	48
GLSV series.....	8	ALASKA-1W.....	49
GLG series.....	8	NEBRASKA-1W.....	49
GPVP series.....	9	MW-MLD-HE-3W-LENS170.....	50
GPC series.....	9	MW-MLD-HE-4W-LENS170.....	50
GPCP series.....	10	TEXAS and NEVADA series.....	51
GTPC series.....	10	MW-MLD-3030-3W-LENS.....	52
GPF series.....	11	MW-MLD-3030-4.5W-LENS.....	52
AGV/AGC series.....	11	MW-MLD-CCT-2W-LENS.....	53
GTPC-S series.....	12	MW-MLD-MINI-1W-LENS160.....	53
GTMC-D series.....	12	MW-MLD-2835 series.....	54-56
GTPC-D series.....	13	MW-MLD-FLAT-1W-LENS170.....	56
MRS-H series.....	13	MW-MLD-FLAT-1W-LENS170.....	56
MRS-S series.....	14	MINIOVAL-1W.....	57
MRS-U series.....	15	MINIOVAL-1W R2.....	57
		BoxBack-OVAL-M-W.....	57
GLDP series.....	16	BoxSide-OVAL-S-W.....	58
GEHC series.....	17	BoxSide-OVAL-M-W.....	58
GLHP series.....	18	BoxBack-OVAL-Mx2-W.....	59
GLCP series.....	19	ACCESSORIES FOR BOXBACK-OVAL-MX2.....	59
GLTP series.....	20	BoxSide-OVAL-L-W.....	60
		RB-3535-6x-LENS10x40.....	60
FTPC series.....	21	RB-3535-9x-LENS10x40.....	60
FTPC-C series.....	21	RB-3030-3W-LENS170.....	61
FTPC-C2 series.....	22	RB-3030-6W-LENS170.....	61
FTPC-L series.....	23	MW-MLD-5050-3RGBW.....	62
FTPC-E series.....	24	MW-MLD-5050-3RGBW.....	62
FTPC-S series.....	25	PROLED-1X-CC100 PROLED-2X-CC180.....	62
FTPC-S2 series.....	25	PROLED-3X-CC220.....	62
FTPC-S-WP series.....	26	PROLED-4X-CC260, PROLED24-3X-CC220.....	63
FTPC-FP series.....	26	PROLED-MINI-2X-CC070, PROLED-MINI-3X-CC100.....	63
FTPC-D series.....	27		
FTMC-DA, FTPC-DA-WP series.....	28	MW-NS-0612-XX-12V series.....	64
FTPC-DA series.....	28	MW-NS-0816-XX-12V series.....	65
FTPC-S-PCT-PDS series.....	29		
FTPC-VFC series.....	29	HQS-COB series.....	66
FTPC-ZIGBEE-CB series.....	30	HQS-3527 series.....	67
FTPC-ZIGBEE series.....	30	HQS-2835 series.....	68
FTPC-CC series.....	31	HQS-2835 RGBY series.....	69
FTPC series sensors series.....	32-33	HQS-5050 RGBW series.....	70
MCHQ-GA series.....	34	UHQ-2835 series.....	71
MCHQ-GE series.....	35	UHQH-2014 series.....	72
POS-DA series.....	35	UHQD-2835 series.....	73
POS-C series.....	36		
DIN series.....	37	LED Accessories.....	74-81
MDIN series.....	37		
POS-ADAPTER series.....	38	SURFACE PROFILES series.....	82
POSB-ADAPTER series.....	39	Application and accessories for AL12-GLS series.....	83
POSC-ADAPTER series.....	40	GROOVE PROFILES series.....	84
POSB-DESKTOP series.....	41	Application and accessories for AL12-GLG series.....	85
POSC-DESKTOP series.....	41	CORNER PROFILES FOR METAL SHELVES series.....	86
		SURFACE PROFILES FOR METAL SHELVES series.....	86
MPL/MPLC series.....	42	Application and accessories for AL12-GLC series.....	87
EA Plug-in/Desktop series.....	43-44	COVERS PROFESSIONAL/STANDARD.....	88
EA-LC Plug-in/Desktop series.....	44	Best profile features.....	89
EB Plug-in/Desktop series.....	45	NOTES.....	90
EA Adapter series.....	46		
ER Adapter/Desktop series.....	47		



Global Leader Power brand was established in 2012 as a response to growing needs of clients from LED and automation industry. It was based on the experience of the biggest LED power supplies and LED drivers supplier in the Middle Europe. At present GLP products are offered all around the Europe. Our motto are transparent rules of cooperation, distribution and responsible creation of brand image.

Our portfolio includes: LED power supplies, module power supplies, batteries



POS Power (Point-Of-Sale) brand represents by definition products dedicated to advertising producers, mainly used for decorative illumination. POS Power products meet the most demanding standards. The brand's portfolio is being updated on a regular basis with new categories.

Our portfolio includes: LED power supplies, adapters/desktops, module power supplies, CCTV and alarm system power supplies.



MW Power is a brand that represents products of the highest quality that gained recognition on the market. We have high quality products with set of certificates, reaserches and are in accordance with ISO standards.

Our portfolio includes: CCTV, alarms, AGM and GEL batteries.



GLALU is a Polish producer of LED profiles. Our assortment includes profiles that are perfect for most professional applications, both in public spaces and in the interiors of apartments and houses.



MW Lighting brand specializes in professional LED products that are used in advertisement and light decoration. We offer high quality products with up to 5 years warranty. Our economic line is a minority in MW Lighting offer.

Our portfolio includes: LED strips, LED modules, LED profiles, LED frames, LED bulbs, LED floodlights and accessories.



## Features:

- Constant voltage design
- Universal AC input / Full range (except GPV-18)
- Cooling by free air convection
- 100% full load burn-in test
- Isolation class II
- Fully encapsulated with IP67 level
- Excellent quality / price ratio
- Up to 5 years warranty



	DC voltage	Rated current	Rated power	Protections	Safety & EMC regulations	Working temperature	Dimensions (L x W x H)	Weight										
GPV-12	12 V	1 A	12 W	short circuit, over current, over voltage	EN 55015, EN 61347-2-13	-30°C – +70°C	129.5 x 25 x 20 mm	0.13 kg										
	24 V	0.50 A																
GPV-18	12 V	1.5 A	18 W	short circuit, over current			EN 55015, EN 61347-2-13	-30°C – +70°C	129.5 x 25 x 21 mm	0.15 kg								
	24 V	0.75 A																
GPV-20	5 V	3 A	15 W	short circuit, over current, over voltage, over temperature					EN 55015, EN 61347-2-13	-30°C – +70°C	140 x 32 x 25 mm	0.20 kg						
	12 V	2 A	24 W															
	15 V	1.33 A	20 W															
GPV-35	24 V	1 A	24 W	short circuit, over current, over voltage							EN 55015, EN 61347-2-13	-30°C – +70°C	148 x 32 x 28 mm	0.20 kg				
	5 V	6 A	30 W															
	12 V	3 A	36 W															
	15 V	2.4 A																
GPV-50	24 V	1.5 A	50.4 W	short circuit, over current, over voltage, over temperature									EN 55015, EN 61347-2-13	-30°C – +70°C	148 x 40 x 34 mm	0.34 kg		
	36 V	1 A																
	5 V	8 A															50 W	short circuit, over current, over voltage
	GPV-60	12 V															5 A	
15 V		4 A																
24 V		2.5 A																
GPV-75	36 V	1.67 A	72 W	short circuit, over current, over voltage											EN 55015, EN 61347-2-13	-30°C – +70°C	162 x 42 x 33 mm	0.38 kg
	12 V	6 A																
GPV-100	24 V	3 A	99.6 W	short circuit, over current, over voltage, over temperature	EN 55015, EN 61347-2-13	-30°C – +70°C											187 x 52 x 37 mm	0.62 kg
	12 V	8.3 A																
	36 V	2.8 A																
GPV-120	12 V	10 A	120 W	short circuit, over current, over voltage, over temperature			EN 55015, EN 61347-2-13	-30°C – +70°C	203 x 70 x 45 mm	1.15 kg								
	24 V	5 A																
GPV-150N	12 V	12.5 A	150 W	short circuit, over current, over voltage, over temperature					EN 55015, EN 61347-2-13	203 x 70 x 45 mm							1.15 kg	
GPV-150	24 V	6 A																
GPV-200	12 V	16 A	192 W	short circuit, over current, over voltage, over temperature						EN 55015, EN 61347-2-13	-30°C – +70°C	203 x 70 x 45 mm					1.15 kg	
	24 V	8.3 A																
GPV-200	12 V	16 A	192 W	short circuit, over current, over voltage, over temperature								EN 55015, EN 61347-2-13					-30°C – +70°C	205 x 70 x 45 mm
	24 V	8.3 A																

# GV6 75-350W waterproof (IP67)



## Features:

- Input voltage range: 176~264Vac
- Constant voltage output
- PF>0.97(230V input /full load)
- Surge protection: 6KV line-line, 10KV line-earth
- Protections: SCP, OVP, OTP
- IP67 design for indoor and outdoor applications
- Suitable for dry / damp / wet locations
- 5 years warranty



	Output voltage	Output current	Output power	Safety & EMC regulations	Working temperature	Dimensions (L x W x H)						
GV6-075	12 V	0~6.25 A	75W	EN 55015 EN 61000-3-2, EN 61000-3-3, EN61000-4-2,3,4,5,6,11	-40°C – +75°C	137.5 x 67.2 x 37 mm						
	24 V	0~0.70 A										
	36 V	0~0.86 A										
GV6-100	12 V	0~8.30 A	100W			EN 55015 EN 61000-3-2, EN 61000-3-3, EN61000-4-2,3,4,5,6,11	-40°C – +75°C	147.5 x 67.2 x 37 mm				
	24 V	0~4.20 A										
	36 V	0~2.80 A										
GV6-150	12 V	0~12.50 A	150W					EN 55015 EN 61000-3-2, EN 61000-3-3, EN61000-4-2,3,4,5,6,11	-40°C – +75°C	162.5 x 67.2 x 37 mm		
	24 V	0~6.30 A										
	36 V	0~4.20 A										
GV6-200	24 V	0~8.40 A	200W							EN 55015 EN 61000-3-2, EN 61000-3-3, EN61000-4-2,3,4,5,6,11	-40°C – +75°C	175.5 x 67.2 x 37 mm
	36 V	0~5.60 A										
	24 V	0~10.00 A										
GV6-240	36 V	0~6.70 A	240W	EN 55015 EN 61000-3-2, EN 61000-3-3, EN61000-4-2,3,4,5,6,11	-40°C – +75°C							193.5 x 67.2 x 37 mm
	24 V	0~26.70 A										
GV6-320	24 V	0~13.40 A	320W									EN 55015 EN 61000-3-2, EN 61000-3-3, EN61000-4-2,3,4,5,6,11
	36 V	0~8.90 A										
	48 V	0~6.70 A										
	12 V	0~14.60 A										
GV6-350	24 V	0~9.80 A	350W			EN 55015 EN 61000-3-2, EN 61000-3-3, EN61000-4-2,3,4,5,6,11	-40°C – +75°C	224.5 x 96.8 x 41.8 mm				
	36 V	0~7.30 A										
	36 V	0~7.30 A										

# GLSV 35-320 W waterproof (IP67)



## Features:

- Constant voltage design
- Universal AC input / Full range up to 305VAC
- Built-in active PFC function, PF>0,96 (@230VAC, full load)
- Surge immunity: DM-5KV, CM-10KV
- IP67 design for indoor and outdoor applications
- Isolation class I
- Up to 7 years warranty



## IP67 CE SELV RoHS TUV

	Output voltage	Output current	Output power	Protections	Safety & EMC regulations	Working temperature	Dimensions (L x W x H)	Weight	
<b>GLSV-035B</b>	12 V 24 V 36 V 48 V	2.92 A 1.46 A 0.98 A 0.73 A	35 W	short circuit, over voltage, over temperature	<b>EN 55015,</b> EN61000-3-2	-40°C – +70°C	199 x 42.5 x 34 mm	510 ± 50g	
<b>GLSV-050B</b>	12 V 24 V 36 V 48 V	4.17 A 2.10 A 1.40 A 1.05 A	50 W					680 ± 50g	
<b>GLSV-075B</b>	12 V 24 V 36 V 48 V	6.25 A 3.13 A 2.08 A 1.56 A	75 W				178 x 68 x 39 mm	775 ± 50g	
<b>GLSV-100B</b>	12 V 24 V 36 V 48 V	8.33 A 4.17 A 2.78 A 2.08 A	100 W			-40°C – +60°C	207 x 68 x 39 mm	900 ± 50g	
<b>GLSV-150B</b>	12 V 24 V 36 V 48 V	12.50 A 6.25 A 4.17 A 3.13 A	150 W					1350 ± 100g	
<b>GLSV-200B</b>	12 V 24 V 36 V 48 V	16.67 A 8.33 A 5.56 A 4.17 A	200 W					(12,24V)232 x 68 x 43.5 mm	1750 ± 100g
<b>GLSV-320B</b>	12 V 24 V 36 V 48 V	22.00 A 13.33 A 8.90 A 6.67 A	320 W					234 x 98 x 40 mm	

# GLG 60–300 W waterproof (IP65, IP67)

## Features:

- CV + CC mode power supply
- Universal AC input / Full range
- Built-in active PFC function
- Cooling by free air convection
- 100% full load burn-in test
- IP 67 level (GLG-60, GLG-200, GLG-300)
- IP 65 level (GLG-100, GLG-150)
- Built-in potentiometers to adjust output voltage and current (GLG-100, GLG-150)
- Up to 5 years warranty



## IP65/67 CE SELV

	DC voltage	Rated current	Rated power	Protections	Safety & EMC regulations	Working temperature	Dimensions (L x W x H)	Weight	
<b>GLG-60</b>	12 V	5 A	60 W	short circuit, over current, over voltage	<b>EN 55015,</b> EN61347-2-13, EN61000-3-2 Class C	-30°C – +70°C	175 x 56 x 38 mm	0.70 kg	
	24 V	2.5 A					216 x 66 x 40 mm	0.95 kg	
<b>GLG-100</b>	12 V	8.5 A	102 W	short circuit, over current, over voltage, over temperature			221 x 70 x 45 mm	1.15 kg	
	24 V	4.2 A	100.8 W				242 x 96 x 50 mm	1.80 kg	
<b>GLG-150</b>	12 V	12.5 A	150 W				300 W	285 x 96 x 50 mm	2.20 kg
	24 V	6.3 A	151.2 W						
<b>GLG-200</b>	12 V	16.6 A	199.2 W		24 V	8.33 A		199.92 W	
	24 V	8.33 A	199.92 W						
<b>GLG-300</b>	12 V	25 A	300 W	24 V	12.5 A				
	24 V	12.5 A							

# GPVP double isolation cables 25–120 W waterproof (IP67)



## Features:

- Constant voltage design
- Universal AC input / Full range
- Built-in active PFC function, PF > 0.9
- Cooling by free air convection
- 100% full load burn-in test
- Fully encapsulated with IP67 level
- Excellent quality / price ratio
- Up to 5 years warranty



## □ ⊕ ⊕ IP67 CE SELV

	DC voltage	Rated current	Rated power	Protections	Safety & EMC regulations	Working temperature	Dimensions (L x W x H)	Weight
GPVP-25	12 V	2 A	24 W	short circuit, over current, over voltage, over temperature	EN 55015, EN61347-1, EN61347-2-13	-30°C – +70°C	138 x 42.5 x 34 mm	0.36 kg
	24 V	1 A						
GPVP-40	12 V	3.5 A	36 W	short circuit, over current			149 x 32 x 28 mm	0.23 kg
	24 V	1.7A						
GPVP-60N	12 V	5A	60 W	short circuit, over current, over voltage			162 x 42 x 33 mm	0.40 kg
	24 V	2.5 A						
GPVP-90	12 V	7.5 A	90 W	short circuit, overload over current, over voltage, over temperature			190 x 63 x 38 mm	0.39 kg
	24 V	3.75 A						
GPVP-120	12 V	10 A	120 W				250 x 70 x 45 mm	1.05 kg
	24 V	5 A						

# GPC 8–60 W waterproof (IP67)

## Features:

- Constant current design
- Universal AC input / Full range
- Output current versions: 350mA, 700mA, 1050mA, 1400mA, 1750mA
- Cooling by free air convection
- 100% full load burn-in test
- Isolation class II
- Fully encapsulated with IP67 level
- Excellent quality / price ratio
- Up to 3 years warranty



## □ ⊕ ⊕ CE SELV F

	DC voltage	Rated current	Rated power	Protections	Safety & EMC regulations	Working temperature	Dimensions (L x W x H)	Weight	
GPC-9	3~24 V	350 mA	8.4 W	short circuit, over temperature	EN 55015, EN61347-2-13	-30°C – +70°C	129.5 x 25 x 20 mm	0.13 kg	
	2~12 V	700 mA							
GPC-20	9~48 V	350 mA	16.8 W	short circuit			140 x 32 x 25 mm	0.20 kg	
	3~28 V	700 mA	19.6 W						
GPC-35	30~80 V	350 mA	28 W				short circuit	149 x 32 x 28 mm	0.25 kg
	9~48 V	700 mA	33.6 W						
	9~30 V	1050 mA	31.5 W						
GPC-60	9~24 V	1400 mA	33.6 W				short circuit	162 x 42 x 33 mm	0.36 kg
	12~60 V	1050 mA	63 W						
	9~42 V	1400 mA	58.8 W						
	9~36 V	1750 mA	63 W						

# GPCP double isolation cables 20-90 W waterproof (IP67)



## Features:

- Constant current design
- Universal AC input / Full range
- Built-in active PFC function
- Cooling by free air convection
- Current versions (mA): 350, 700, 1050, 1250, 1400, 1750, 2100
- 100% full load burn-in test
- Isolation class II
- Excellent quality / price ratio
- Up to 5 years warranty



## IP67 CE LPS

	Voltage range	Rated current	Rated power	Protections	Safety & EMC regulations	Working temperature	Dimensions (L x W x H)	Weight
GPCP-20	12 ~ 48 V	350 mA	16.8 W	short circuit, over current, over voltage, over temperature	EN 55015, EN61347-1, EN61347-2-13	-20°C - +70°C	140 x 32 x 25 mm	0.21 kg
	9 ~ 30 V	70 mA	21 W					
GPCP-35	40 ~ 80 V	350 mA	28 W	short circuit, over current		-30°C - +70°C	149 x 32 x 28 mm	0.23 kg
	24 ~ 48 V	700 mA	33.6 W					
	16 ~ 32 V	1050 mA						
GPCP-60	12 ~ 24 V	1400 mA	short circuit, over current	-30°C - +70°C		162 x 42 x 33 mm	0.40 kg	
	40 ~ 80 V	700 mA						56 W
	30 ~ 60 V	1050 mA						
	24 ~ 47 V	1250 mA						58.8 W
	20 ~ 42 V	1400 mA						
	18 ~ 36 V	1750 mA						
16 ~ 30 V	2100 mA							
GPCP-100	32 ~ 64 V	1400 mA	89.6W	short circuit, over current, over voltage, over temperature		172 x 63 x 38 mm	0.63 kg	

# GTPC 8-50 W (IP20)

## Features:

- Constant voltage design
- Power supply for European voltage 220-240Vac
- Built-in active PFC function (GTPC-30-12, GTPC-50-12)
- Cooling by free air convection
- 100% full load burn-in test
- Terminal block for quick connection
- Isolation class II
- Flat design
- Up to 3 years warranty



	DC voltage	Rated current	Rated power	Protections	Safety & EMC regulations	Working temperature	Dimensions (L x W x H)	Weight
GTPC-8-12	12 V	0.67 A	8 W	short circuit, over temperature	EN 55015, EN61347-2-13, EN61000-3-2 Class C	-20°C - +50°C	108 x 35 x 21.5 mm	0.04 kg
GTPC-15-12		1.25 A	15 W				113 x 44 x 20 mm	0.08 kg
GTPC-30-12		2.5 A	30 W				182 x 44 x 16 mm	0.12 kg
GTPC-50-12		4.2 A	50 W				60 x 180 x 24 mm	0.26 kg

# GPF 25-60 W waterproof (IP65)



## Features:

- CC mode power supply
- Universal AC input / Full range
- Built-in 3 in 1 dimming function: 0-10V or PWM or resistance
- Cooling by free air convection
- 100% full load burn-in test
- Isolation class II
- Excellent quality / price ratio
- Up to 3 years warranty



## IP67 CE SELV

	DC voltage	Rated current	Rated power	Protections	Safety & EMC regulations	Working temperature	Dimensions (L x W x H)	Weight
<b>GPF-25D</b>	44 ~ 72 V	350 mA	25.2 W	short circuit, over current, over voltage, over temperature	<b>EN 55015,</b> EN61347-2-13, EN61000-3-2 Class C	-30°C - +70°C	138 x 43 x 34 mm	0.30 kg
	22 ~ 36 V	700 mA						
	15 ~ 24 V	1050 mA						
<b>GPF-40D</b>	72 ~ 120 V	350 mA	42 W	short circuit, over current, over voltage			153 x 43 x 34 mm	0.40 kg
	36 ~ 60 V	700 mA						
	24 ~ 40 V	1050 mA						
	18 ~ 30 V	1400 mA						
	15 ~ 24 V	1750 mA						
<b>GPF-60D</b>	40 ~ 80 V	700 mA	56 W	short circuit, over current			168 x 44 x 34 mm	0.44 kg
	30 ~ 60 V	1050 mA	63 W					
	22 ~ 42 V	1400 mA	58.8 W					
	20 ~ 36 V	1750 mA	63 W					
	14 ~ 28 V	2100 mA	58.8 W					
	12 ~ 24 V	2450 mA						

# AGV/AGC 12-25 W (IP40)

## Features:

- Constant voltage (AGV) / current (AGC) design
- Universal AC input / Full range
- Current versions: 350 mA, 500 mA
- Cooling by free air convection
- 100% full load burn-in test
- Isolation class II
- Double insulation of Input and output wires
- Excellent quality / price ratio
- Up to 3 years warranty



## IP40 CE LPS

	DC voltage	Rated current	Rated power	Protections	Safety & EMC regulations	Working temperature	Dimensions (L x W x H)	Weight
<b>AGV-12</b>	12 V	1 A	12 W	short circuit, over current, over voltage, over temperature	<b>EN 55015,</b> EN 61547	-10°C - +70°C	90 x 40 x 23.5 mm	0.88 kg
<b>AGV-16</b>		1.33 A	15.96 W	short circuit, over current, over voltage				0.90 kg
<b>AGC-12</b>	9-39 V	350 mA	12.6 W	short circuit, over temperature			110 x 45 x 24 mm	0.88 kg
<b>AGC-16</b>	18-48 V	350 mA	16.8 W					0.90 kg
<b>AGC-25</b>	25-50 V	500 mA	25 W					0.170 kg

# GTPC-S 30-100 W (IP20)



## Features:

- Power supply for European voltage 220-240Vac
- Built-in active PFC function
- Cooling by free air convection
- Ultra thin and slim case size
- Up to 3 years warranty



	DC voltage	Rated current	Rated power	Protections	Safety & EMC regulations	Working temperature	Dimensions (L x W x H)	Weight
GTPC-30-S	12 V	2.50 A	24 W	short circuit, over voltage, overload	EN 55015, EN61347-2-13, EN61000-3-2 Class C	-10°C – +70°C	251 x 30 x 16.5 mm	0.13 kg
	24 V	1.25 A						
GTPC-45-S	12 V	3.75 A	36 W				251 x 30 x 16.5 mm	0.13 kg
	24 V	1.90A						
GTPC-60-S	12 V	5.00A	60 W				305 x 30 x 17 mm	0.16 kg
	24 V	2.50 A						
GTPC-75-S	12 V	6.25 A	75 W			305 x 30 x 17 mm	0.16 kg	
	24 V	3.125 A						
GTPC-100-S	12 V	8.34 A	100 W			320 x 30 x 18.2 mm	0.17 kg	
	24 V	4.17 A						

# GTMC-D 100-200 W (IP67)

## Features:

- Constant voltage design
- European AC input range
- Cooling by free air convection
- **Triac Dimmable Constant Voltage Power Supply**
- Isolation class I
- Fully encapsulated with IP67 level
- Up to 3 years warranty



	DC voltage	Rated current	Rated power	Protections	Safety & EMC regulations	Working temperature	Dimensions (L x W x H)
GTMC-100-24-D	24 V	4.2 A	100 W	overload, over voltage, short circuit	EN 55015, EN61347-2-13, EN61000-3-3	-20°C – +50°C	191 x 70 x 40 mm
GTMC-200-24-D		8.3 A	200 W				249 x 72 x 40 mm

# GTPC-D 25-100 W (IP20)



## Features:

- Constant voltage design
- European AC input range
- Cooling by free air convection
- Isolation class II
- Suitable to work with **AC triac dimmer**
- CB certificate
- Up to 3 years warranty



	DC voltage	Rated current	Rated power	Protections	Safety & EMC regulations	Working temperature	Dimensions (L x W x H)	Weight
<b>GTPC-25-D</b>	12 V	2.08 A	25 W	short circuit, over voltage, overload	<b>EN 55015</b> , EN61347-2-13, EN61000-3-2	-20°C – +50°C	122 x 52 x 30 mm	0.11 kg
	24 V	1.04 A						
<b>GTPC-50-D</b>	12 V	4.16 A	50 W					
	24 V	2.08 A						
<b>GTPC-100-D</b>	12 V	8.30 A	100 W					
	24 V	4.20 A						
							210 x 67 x 34 mm	0.36 kg

# MRS-H 10-28W (IP20)

## Features:

- Universal AC input / Full range: 85~305VAC / 100~430VDC
- Low no-load power consumption < 0.5W
- LED indicator for power on
- Wide range of operating temperature range: -30°C to +70°C
- Design to meet EN61558 standard (OVP cat III)
- Operating altitude up to 5000m
- Up to 3 years warranty



	DC voltage	Rated current	Rated power	Protections	Safety & EMC regulations	Working temperature	Dimensions (L x W x H)	Weight
<b>MRS-15-03-H</b>	3.3 V	3.0 A	9.9 W	short circuit, over voltage, over current,	<b>EN55032</b> , EN55035, EN62368-1, EN61000-3-3, EN61000-3-2	-30°C ÷ 70°C (Refer to Temp. Derating Curve)	65 x 55 x 25 mm	0.09 kg
<b>MRS-15-05-H</b>	5 V	5.0 A	15 W					
<b>MRS-15-12-H</b>	12 V	1.3 A	15 W					
<b>MRS-15-15-H</b>	15 V	1.0 A						
<b>MRS-15-24-H</b>	24 V	0.625 A						
<b>MRS-15-48-H</b>	48 V	0.32 A	15.36 W					
<b>MRS-25-03-H</b>	3.3 V	6.0 A	19.8 W	short circuit, over voltage, over current,	<b>EN55032</b> , EN55035, EN62368-1, EN61000-3-3, EN61000-3-2	80 x 55 x 25 mm	0.115 kg	
<b>MRS-25-05-H</b>	5 V	5.0 A	25 W					
<b>MRS-25-12-H</b>	12 V	2.1 A	25.2 W					
<b>MRS-25-15-H</b>	15 V	1.7 A	25.5 W					
<b>MRS-25-24-H</b>	24 V	1.1 A	26.4 W					
<b>MRS-25-48-H</b>	48 V	0.57 A	27.36 W					

# MRS-S 300-350 W (IP20)



## Features:

- Selectable AC input range: 90~132VAC / 180~264VAC
- Low no-load power consumption < 0.75W
- Compact size with a low 1U profile
- LED indicator for power on
- Wide range of operating temperature range: -30°C to +70°C
- Operating altitude up to 5000m
- Up to 3 years warranty



	DC voltage	Rated current	Rated power	Protections	Safety & EMC regulations	Working temperature	Dimensions (L x W x H)	Weight
<b>MRS-350-05-S</b>	5 V	60 A	300 W	short circuit, over voltage, over current, over temperature	<b>EN55032</b> , EN55035, EN62368-1, EN60335-1,	-30°C ÷ 70 °C (Refer to Te mp. Derating Curve)	215 x 115 x 30 mm	0.7 kg
<b>MRS-350-12-S</b>	12 V	29 A	348 W					
<b>MRS-350-15-S</b>	15 V	23.2 A	350.4 W					
<b>MRS-350-24-S</b>	24 V	14.6 A	349.2 W					
<b>MRS-350-36-S</b>	36 V	9.7 A	350.4 W					
<b>MRS-350-48-S</b>	48 V	7.3 A	350.4 W					



# MRS-U 35-158 W (IP20)



## Features:

- Universal AC input / Full range
- Low no-load power consumption < 0.3W
- LED indicator for power on
- Wide range of operating temperature range: -30°C to +70°C
- Compact size with a low 1U profile
- Operating altitude up to 5000m
- Up to 3 years warranty



	DC voltage	Rated current	Rated power	Protections	Safety & EMC regulations	Working temperature	Dimensions (L x W x H)	Weight	
MRS-35-05-U	5 V	7 A	35 W	short circuit, over voltage, over current,	<b>EN55032</b> , EN61000-3-3, EN61000-3-2, EN62368-1, EN60335-1, EN61558-1, -2-16	-30°C ÷ 70°C (Refer to Temp. Derating Curve)	99 x 82 x 30 mm	0.17 kg	
MRS-35-12-U	12 V	3 A	36 W						
MRS-35-15-U	15 V	2.4 A							
MRS-35-24-U	24 V	1.5 A							
MRS-50-05-U	5 V	10 A	50 W	short circuit, over voltage, over current,	<b>EN55032</b> , EN61000-3-3, EN61000-3-2, EN62368-1, EN60335-1, EN61558-1, EN61558-2-16,	-30°C ÷ 70°C (Refer to Temp. Derating Curve)	99 x 82 x 30 mm	0.18 kg	
MRS-50-12-U	12 V	4.2 A	50.4 W						
MRS-50-15-U	15 V	3.4 A	51 W						
MRS-50-24-U	24 V	2.2 A	52.8 W						
MRS-50-36-U	36 V	1.45 A							
MRS-50-48-U	48 V	1.1 A							
MRS-75-05-U	5 V	14 A	70 W	short circuit, over voltage, over current,	<b>EN55032</b> , EN61000-3-3, EN61000-3-2, EN62368-1, EN60335-1, EN61558-1, EN61558-2-16,	-30°C ÷ 70°C (Refer to Temp. Derating Curve)	99 x 97 x 30 mm	0.22 kg	
MRS-75-12-U	12 V	6 A	72 W						
MRS-75-15-U	15 V	5 A	75 W						
MRS-75-24-U	24 V	3.2 A	76.8 W						
MRS-75-36-U	36 V	2.1 A	75.6 W						
MRS-75-48-U	48 V	1.6 A	76.8 W						
MRS-100-05-U	5 V	18 A	90 W	short circuit, over voltage, over current,	<b>EN55032</b> , EN61000-3-3, EN61000-3-2, EN62368-1, EN60335-1, EN61558-1, EN61558-2-16,	-30°C ÷ 70°C (Refer to Temp. Derating Curve)	129 x 97 x 30 mm	0.35 kg	
MRS-100-12-U	12 V	8.5 A	105 W					0.305 kg	
MRS-100-15-U	15 V	7 A							
MRS-100-24-U	24 V	4.5 A	108 W						
MRS-100-36-U	36 V	2.8 A	100.8 W						
MRS-100-48-U	48 V		110.4 W						
MRS-150-12-U	12 V	12.5 A	150 W	short circuit, over voltage, over current, over temperature,	<b>EN55032</b> , EN61000-3-3, EN61000-3-2, EN62368-1, EN60335-1, EN61558-1, EN61558-2-16,	-30°C ÷ 70°C (Refer to Temp. Derating Curve)	159 x 97 x 30 mm	0.41 kg	
MRS-150-15-U	15 V	10 A							
MRS-150-24-U	24 V	6.5 A							156 W
MRS-150-36-U	36 V	4.3 A							154.8 W
MRS-150-48-U	48 V	3.3 A							158.4 W



### 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 improve 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.



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%
GLDP-105	105W	2.10A / 36V	1.40 ~ 2.10A	20 ~ 54V	87%
		0.70A / 150V	0.344 ~ 0.86A	120 ~ 305V	91%
		1.40A / 75V	0.70 ~ 1.40A	60 ~ 150V	91%
GLDP-120	120W	2.91A / 36V	1.69 ~ 3.00A	20 ~ 62V	90%
		0.70A / 171V	0.40 ~ 0.70A	120 ~ 305V	92%
		1.05A / 114V	0.70 ~ 1.40A	60 ~ 170V	92%
GLDP-150	150W	2.67A / 45V	1.93 ~ 3.00A	20 ~ 62V	92%
		0.70A / 214V	0.45 ~ 0.70A	176 ~ 335V	92%
		0.70A / 214V	0.70 ~ 1.10A	80 ~ 214V	91%
GLDP-200	200W	1.40A / 107V	1.25 ~ 2.10A	60 ~ 120V	91%
		4.20A / 36V	2.80 ~ 4.20A	20 ~ 54V	90%
		0.70A / 286V	0.45 ~ 0.70A	230 ~ 445V	91%
GLDP-240	240W	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-320	320W	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%
GLDP-320	320W	6.70A / 36V	5.86 ~ 7.50A	20 ~ 41V	92%
		0.70A / 457V	0.70 ~ 1.10A	235 ~ 457V	93%
		1.40A / 228V	1.39 ~ 2.10A	120 ~ 230V	93%
GLDP-320	320W	6.70A / 48V	5.16 ~ 8.20A	20 ~ 62V	92%
		8.90A / 36V	7.80 ~ 10.00A	20 ~ 41V	92%



## 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%



## 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.

### 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%





## 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 240W. 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;
- 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.



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%
GLCP-200	200W	4.17A / 36V	4.17 ~ 5.36A	20 ~ 36V	90%
		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%
GLCP-240	240W	4.17A / 48V	3.23 ~ 5.00A	20 ~ 62V	90%
		5.56A / 36V	4.88 ~ 7.00A	20 ~ 41V	90%
		1.05A / 228V	0.65 ~ 1.10A	190 ~ 368V	92%
		1.40A / 170V	1.33 ~ 2.10A	80 ~ 180V	92%
GLCP-240	240W	5.00A / 48V	3.87 ~ 5.20A	20 ~ 62V	92%
		6.70A / 36V	5.85 ~ 7.50A	20 ~ 41V	92%



### 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%



# FTPC 180~320W voltage (IP20)



## ● Features

- Built-in active PFC function (30W~320W)
- Cooling by free air convection
- Compliance to worldwide safety regulations for lighting
- 100 % full load burn-in test
- Isolation class II
- Wide operating temperature range (-20°C ~ +45°C)
- Approved for installation directly on wood
- Up to 5 years warranty



Model	Power	Voltage	Current	Protection	Safety & EMC	Working temperature	Dimensions (L×W×H)	Weight
FTPC200V12	180W	12V	15.00A	short circuit, overload, over voltage, over temperature	EN61347-1, EN61347-2-13, EN55015, EN61547, EN61000-3-3, EN61000-3-2	-20°C ÷ +45°C	195×67×31.5 mm	0.50 kg
FTPC200V24	200W	24V	8.33A				195×67.1×31.2 mm	0.50 kg
FTPC250V12	216W	12V	18.00A				215×77.5×35 mm	0.86 kg
FTPC250V24	250W	24V	10.40A					
FTPC320V12	260W	12V	21.70A					
FTPC320V24	319W	24V	13.30A					

# FTPC-C 30~150W voltage (IP20)

## ● Features

- Built-in active PFC function (30W~150W)
- Cooling by free air convection
- Compliance to worldwide safety regulations for lighting
- 100 % full load burn-in test
- Isolation class II
- Wide operating temperature range (-20°C ~ +45°C)
- Approved for installation directly on wood
- Up to 5 years warranty



Model	Power	Voltage	Current	Protection	Safety & EMC	Working temperature	Dimensions (L×W×H)	Weight	
FTPC30V12-C	30W	12V	2.50A	short circuit, over current	EN61347-1, EN61347-2-13, EN55015, EN55024, EN61547, EN61000-4-2, -3, -4, -5, -6, -8, -11	-20°C ÷ +45°C	156×50×17mm	0.15kg	
FTPC30V24-C		24V	1.25A				160×58×18mm	0.16kg	
FTPC50V12-C	50W	12V	4.20A	short circuit, over current, overload, over temperature			170×44.5×28.2mm	0.25kg	
FTPC50V24-C		24V	2.08A				180×65.5×31.2mm	0.45kg	
FTPC75V12-C	70W	12V	5.83A	short circuit, overload, over temperature			EN 61347-1, EN 61347-2-13, EN 62493, EN 55015, EN 61547, EN 61000-3-3, EN 61000-3-2	177×56.4×17.2mm	0.27kg
FTPC75V24-C	75W	24V	3.13A						
FTPC100V12-C	100W	12V	8.33A	short circuit, overload, over temperature	EN 61347-1, EN 61347-2-13, EN 55015, EN 61547	177×56.4×17.2mm	0.27kg		
FTPC100V24-C		24V	4.16A						
FTPC150V12-C	132W	12V	11.00A	short circuit, overload, over temperature	EN 61347-1, EN 61347-2-13, EN 55015, EN 61547	177×56.4×17.2mm	0.27kg		
FTPC150V24-C	150W	24V	6.25A						

# FTPC-C2 20~100W voltage (IP20)



## ● Features

- Input voltage range: 198-264VAC
- Input frequency: 50/60Hz
- Smaller housing
- Higher cost-effectiveness
- Over temperature protection
- Up to 5 years warranty



SELV



Model	Power	Voltage	Current	Protection	Safety & EMC	Working temperature	Dimensions (L×W×H)
FTPC20V12-C2	20W	12V	1.67A	short circuit, overload, over temperature	EN 61347-1, EN 61347-2-13, EN 55015, EN61547; EN61000-4-2, 3, 4, 5, 6	-20°C + +45°C	154×50×14mm
FTPC20V24-C2		24V	0.83A				
FTPC30V12-C2	30W	12V	2.50A	short circuit, over voltage, overload, over temperature	EN61347-1, EN61347-2-13, EN55015, EN55024, EN61000-4-2, -3, -4, -5, -6, -8, -11;		154×50×14mm
FTPC30V24-C2		24V	1.25A				
FTPC40V12-C2	40W	12V	3.33A	short circuit, over voltage, overload, over temperature	EN61347-1, EN61347-2-13, EN62493, EN IEC 55015, EN 61547, EN IEC 61000-3-2, EN 61000-3-3		159.9×57.8×18mm
FTPC40V24-C2		24V	1.67A				
FTPC50V12-C2	50W	12V	4.16A	short circuit, over current, overload, over temperature	EN 61347-1, EN 61347-2-13, EN 55015, EN61547; EN61000-4-2, 3, 4, 5, 6		159.9×57.8×18mm
FTPC50V24-C2		24V	2.08A				
FTPC60V12-C2	60W	12V	5.00A	short circuit, over current, overload, over temperature	EN61347-1, EN61347-2-13, EN55015, EN61547; EN61000-4-2, -3, -4, -5, -6, -8, -11; EN55024		164×56.4×16.8mm
FTPC60V24-C2		24V	2.50A				
FTPC75V12-C2	75W	12V	6.25A	short circuit, over current, overload, over temperature	EN 61347-1, EN 61347-2-13, EN 55015, EN61547; EN61000-4-2, 3, 4, 5, 6		164×56.4×16.8mm
FTPC75V24-C2		24V	3.12A				
FTPC100V12-C2	100W	12V	8.33A	short circuit, over current, overload, over temperature	EN61347-1, EN61347-2-13, EN55015, EN61547; EN61000-4-2, -3, -4, -5, -6, -8, -11; EN55024	164×56.4×16.8mm	
FTPC100V24-C2		24V	4.17A				



# FTPC-L 20~150W voltage (IP20)



## ● Features

- Constant voltage design
- European AC input range
- Protections: Overload / Over voltage / Short circuit / Over temperature
- Cooling by free air convection
- Wide operating temperature range (-20°C ~ +45°C)
- Isolation class II
- Compliance to worldwide regulations for lighting
- 3 years warranty
- Lifetime 50 000hrs



Model	Power	Voltage	Current	Protection	Safety & EMC	Working temperature	Dimensions (L×W×H)						
FTPC20V12-L	20W	12V	1.67A	open circuit, short circuit, overload, over temperature	IEC61347-1, IEC61347-2-13, EN55015, EN61547, EN61000-3-2 Class C, EN61000-3-3, EN62493, EN1194-2012	-20°C ~ +45°C	123×44.6×19.2mm						
FTPC20V24-L		24V	0.83A				123×44.6×19.2mm						
FTPC30V12-L	30W	12V	2.50A				123×44.6×19.2mm						
FTPC30V24-L		24V	1.25A				123×44.6×19.2mm						
FTPC40V12-L	40W	12V	3.33A				149×40.4×26.7mm						
FTPC40V24-L		24V	1.67A				149×40.4×26.7mm						
FTPC50V12-L	50W	12V	4.16A				open circuit, short circuit, overload, over temperature	IEC61347-1, IEC61347-2-13, EN55015, EN61547, EN61000-3-2 Class C, EN61000-3-3, EN62493, EN1194-2012	-20°C ~ +45°C	149×40.4×26.7mm			
FTPC50V24-L		24V	2.08A							149×40.4×26.7mm			
FTPC60V12-L	60W	12V	5.00A							170×44.5×28.2mm			
FTPC60V24-L		24V	2.50A							170×44.5×28.2mm			
FTPC75V12-L	75W	12V	6.25A							open circuit, short circuit, overload, over temperature	IEC61347-1, IEC61347-2-13, EN55015, EN61547, EN61000-3-2 Class C, EN61000-3-3, EN62493, EN1194-2012	-20°C ~ +45°C	170×44.5×28.2mm
FTPC75V24-L		24V	3.125A										170×44.5×28.2mm
FTPC100V12-L	100W	12V	7.50A										179.4×62.5×30.6mm
FTPC100V24-L		24V	4.17A										179.4×62.5×30.6mm
FTPC150V12-L	150W	12V	11.00A										open circuit, short circuit, overload, over temperature
FTPC150V24-L		24V	6.25A	179.4×62.5×30.6mm									



# FTPC-E 8~150W voltage (IP20)



## ● Features

- European AC input range
- Built in active PFC function
- Isolation class II
- Approved for installation directly on wood
- 5 years warranty
- Wide operating temperature range (-20°C ~ +45°C)



Model	Power	Voltage	Current	Protection	Safety & EMC	Working temperature	Dimensions (L×W×H)	Weight			
FTPC8V12-E	8W	12V	0.67A	short circuit, overload, over voltage	EN55015, EN61347-2-13, EN61000-3-2	-20°C ~ +45°C	94.5×46.2×19.5mm	0.06kg			
FTPC8V24-E		24V	0.33A				103×35.5×16mm				
FTPC15V12-E	15W	12V	1.25A								
FTPC15V24-E		24V	0.625A								
FTPC20V12-E	20W	12V	1.67A								
FTPC20V24-E		24V	0.84A								
FTPC30V12-E	30W	12V	2.50A								
FTPC30V24-E		24V	1.25A								
FTPC60V12-E	60W	12V	5.00A								
FTPC60V24-E		24V	2.50A								
FTPC100V12-E	100W	12V	8.33A				short circuit, overload, over voltage, over temperature			195×67.1×31.2mm	0.14kg
FTPC100V24-E		24V	4.17A							170×44.5×28.2mm	0.24kg
FTPC150V12-E	150W	12V	12.50A								
FTPC150V24-E		24V	6.25A	179.4×62.5×30.6mm	0.40kg						
										0.42kg	



# FTPC-S 30~240W voltage & current slim (IP20)



## Features

- Built-in active PFC function
- Cooling by free air convection
- Compliance to worldwide safety regulations for lighting
- 100 % full load burn-in test
- Isolation class II
- Narrow and low profile
- Wide operating temperature range (-20°C ~ +45°C)
- Approved for installation directly on wood
- Up to 5 years warranty



Model	Power	Voltage	Current	Protection	Safety & EMC	Working temperature	Dimensions (L×W×H)	Weight
FTPC30V12-S	30W	12V	2.50A	short circuit, overload, over voltage, over temperature	EN55015, EN61347-1, EN61347-2-13, EN61547; EN61000-4-2, -3, -4, -5, -6, -8, -11	-20°C ~ +45°C	251×30×16mm	0.115kg
FTPC30V24-S		24V	1.25A				304.6×30×16.7mm	0.20kg
FTPC75V12-S	75W	12V	6.25A	EN61347-1, EN62493, EN61347-2-13, EN55015, EN61547	321×30×18.5mm		0.25kg	
FTPC75V24-S		24V	3.13A		323×30×22mm		0.30kg	
FTPC100V12-S	100W	12V	8.33A	EN61347-1, EN 62493, EN61347-2-13, EN55015, EN61547	356.4×32.1×22.3mm		0.34kg	
FTPC100V24-S		24V	4.17A					
FTPC150V12-S	132W	12V	11.00A	EN61347-1, EN61347-2-13, EN55015, EN61547				
FTPC150V24-S	150W	24V	6.25A					
FTPC200V12-S	180W	24V	15.00A	EN61347-1, EN61347-2-13, EN62493, EN55015, EN61000-3-3; EN61000-3-2				
FTPC200V24-S	199.2W		8.33A					
FTPC240V24-S	240W		10.00A					

# FTPC-S2 60~200W voltage (IP20)

## Features

- High reliability
- For indoor use
- Power factor measured at AC230V and full load
- Overheat protection (FTPC200V24-S2)
- Up to 3 years warranty



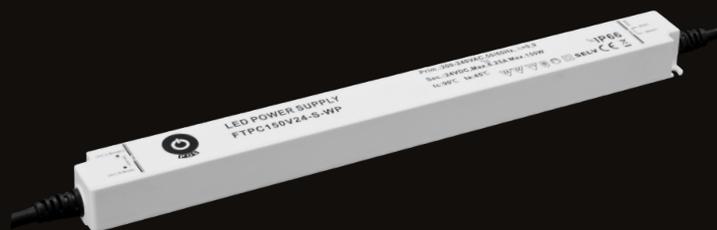
Model	Power	Voltage	Current	Protection	Safety & EMC	Working temperature	Dimensions (L×W×H)
FTPC60V12-S2	60W	24V	5.00A	open circuit, short circuit, over load,	EN61347-1, EN61347-2-13, EN55015, EN61547; EN61000-4-2, 3, 4, 5, 6	+45°C ~ +90°C	304.6×30×16.7mm
FTPC60V24-S2	60W		2.50A				322.6×30.1×21.5mm
FTPC200V24-S2	200W	8.33A					

# FTPC-S-WP 60~150W voltage (IP66)



## ● Features

- Built-in active PFC function
- Cooling by free air convection
- Isolation class II
- Narrow and low profile
- 100 % full load burn-in test
- Suitable for use in Dry and Damp locations
- Wide operating temperature range (-20°C ~ +45°C)
- Approved for installation directly on wood
- Compliance to worldwide regulations for lighting
- Up to 5 years warranty



Model	Power	Voltage	Current	Protection	Safety & EMC	Working temperature	Dimensions (L×W×H)	Weight
FTPC60V12-S-WP	60W	12V	5.00A	short circuit, overload, over voltage, over temperature	EN61347-1, EN61347-2-13, EN55015, EN61547	-20°C ~ +45°C	339×30×18mm	0.31kg
FTPC60V24-S-WP		24V	2.50A					
FTPC100V12-S-WP	100W	12V	8.33A					
FTPC100V24-S-WP		24V	4.17A					
FTPC150V12-S-WP	132W	12V	11.00A					
FTPC150V24-S-WP	150W	24V	6.25A					

# FTPC-FP 30~100W voltage (IP44)

## ● Features

- Cooling by free air convection
- Compliance to worldwide safety regulations for lighting
- Compliance to ERP Directive
- Isolation class II
- 100 % full load burn-in test
- Up to 5 years warranty
- Approved for installation directly on wood



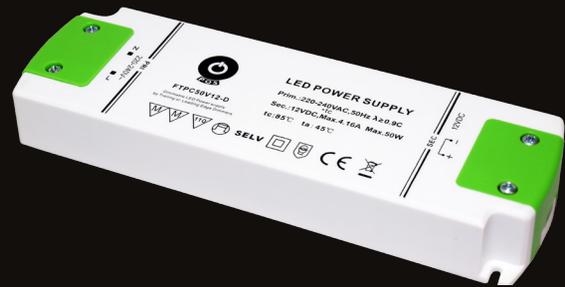
Model	Power	Voltage	Current	Protection	Safety & EMC	Working temperature	Dimensions (L×W×H)	
FTPC15V12-FP2	15W	12V	1.25A	open circuit, short circuit, overload	EN61347-1, EN61347-2-13, EN55015, EN61547	+45°C ~ +80°C	113.6×37×18mm	
FTPC15V24-FP2		24V	0.625A					
FTPC20V12-FP2	20W	12V	1.67A					
FTPC20V24-FP2		24V	0.833A					
FTPC30V12-FP	30W	12V	2.50A	overload, short circuit, over temperature		EN55015, EN61347-1, EN61347-2-13, EN61547; EN61000-4-2, 3, 4, 5, 6	-20°C ~ +45°C	158×51×17.3mm
FTPC30V24-FP		24V	1.25A					
FTPC60V12-FP	60W	12V	5.00A					
FTPC60V24-FP		24V	2.50A					
FTPC75V12-FP	75W	12V	6.25A					
FTPC75V24-FP		24V	3.13A					
FTPC100V12-FP	100W	12V	8.33A	over current, overload, short circuit, over temperature			172×59.5×18.5mm	
FTPC100V24-FP		24V	4.17A					
							167.5×52.8×17.5mm	

# FTPC-D 30~150W voltage (IP20)



## Features

- Constant voltage + constant current design
- European AC input range
- 100 % full load burn-in test
- Cooling by free air convection
- AC phase cut (leading or trailing edge) dimmable
- Built-in active PFC function
- Up to 5 years warranty



Model	Power	Voltage	Current	Protection	Safety & EMC	Working temperature	Dimensions (L×W×H)	Weight						
FTPC30V12-D	30W	12V	2.50A	short circuit, overload, over voltage, over temperature	EN61347-1, EN61347-2-13, EN55015, EN61547	-20°C ~ +45°C	159×46×18mm	0.20kg						
FTPC30V24-D		24V	1.25A				177×57.8×21.8mm							
FTPC50V12-D	50W	12V	4.16A				170×56.8×31mm	0.25kg						
FTPC50V24-D		24V	2.08A				200.8×63×30mm							
FTPC75V12-D	75W	12V	6.25A				short circuit, overload, over temperature	EN 62493, EN61347-1, EN61347-2-13, EN55015, EN61547	-20°C ~ +45°C	170×56.5×31mm	0.45kg			
FTPC75V24-D		24V	3.12A							170×56.5×31mm				
FTPC100V12-D	100W	12V	8.33A							short circuit, overload, over temperature	EN 62493, EN61347-1, EN61347-2-13, EN55015, EN61547	-20°C ~ +45°C	200.8×63×30mm	0.60kg
FTPC100V24-D		24V	4.17A										170×56.5×31mm	
FTPC150V12-D	150W	12V	11.00A							short circuit, overload, over voltage, over temp.	EN 62493, EN61347-1, EN61347-2-13, EN55015, EN61547	-20°C ~ +45°C	170×56.5×31mm	0.60kg
FTPC150V24-D		24V	6.25A										170×56.5×31mm	



# FTMC-DA/FTPC-DA-WP/ FTPC-DA 60~240W voltage (IP30) (IP67 - FTPC-DA-WP)



## ● Features

- Input voltage range: 180-264VAC
- Cooling by free air convection
- DALI 2 IEC62386
- Overheat protection
- 3 years warranty



Model	Power	Voltage	Current	Protection	Safety & EMC	Working temperature	Body
FTMC60V12-DA	60W	12V	5.00A	open circuit, short circuit, overload, over temperature	EN55015, EN61000-3-2, DALI 2 IEC62386	-20°C ÷ +45°C	Tinplate
FTMC60V24-DA		24V	2.50A				
FTMC100V12-DA	100W	12V	8.33A				
FTMC100V24-DA		24V	4.17A				
FTMC150V12-DA	150W	12V	11.00A				
FTMC150V24-DA		24V	6.25A				
FTPC60V12-DA-WP	60W	12V	5.00A				
FTPC60V24-DA-WP		24V	2.50A				
FTPC100V12-DA-WP	100W	12V	8.33A				
FTPC100V24-DA-WP		24V	4.17A				
FTPC150V12-DA-WP	150W	12V	11.00A				
FTPC150V24-DA-WP		24V	6.25A				
FTPC60V12-DA	60W	12V	5.00A				
FTPC60V24-DA		24V	2.50A				
FTPC100V12-DA	100W	12V	8.33A				
FTPC100V24-DA		24V	4.17A				
FTPC150V12-DA	150W	12V	11.00A				
FTPC150V24-DA		24V	6.25A				
FTPC200V12-DA	200W	12V	14.20A				
FTPC200V24-DA		24V	8.33A				
FTPC240V24-DA	240W	24V	10.00A				



# FTPC-S-PCT-PDS

100~150W voltage (IP20)



## Features

- PCT – push-in-clamp terminal
- PDS – push-dimming secondary side
- Constant voltage design
- European AC input range
- Cooling by free air convection
- Up to 3 years warranty
- Compliance to worldwide regulations for lighting
- Isolation class II
- Extremely short and slim case size



Model	Power	Voltage range	Current	Protection	Safety & EMC	Working temperature	Dimensions (L×W×H)	Weight
FTPC100V12-S-PCT-PDS	100W	12V	8.33A	over current, short circuit, over voltage, over temp.	EN61347-1, EN61347-2-13, EN55015, EN61547	-20°C ÷ +55°C	326×30×21.6mm	0.30kg
FTPC100V24-S-PCT-PDS		24V	4.16A					
FTPC150V12-S-PCT-PDS	150W	12V	11.00A					
FTPC150V24-S-PCT-PDS		24V	6.25A					

# FTPC-VFC

30-100W voltage (IP30)

## Features

- Input Voltage Range: 180-264VAC
- Input Frequency: 50/60Hz
- Body: PC
- L813 - male plug black / L815 - female socket black
- L814 - male plug white / L816 - female socket white



Model	Power	Voltage range	Current	Protection	Safety & EMC	Working temperature	Dimensions (L×W×H)
FTPC30V12-VFC-B or W	30W	12V	2.50A	Open circuit, short circuit, overload	EN61347-1, EN61347-2-13, EN55015, EN61000-3-2, EN61000-3-3, EN61547, EN62493, EN1194-2012	45°C ÷ 85°C	179×52×16mm
FTPC30V24-VFC-B or W		24V	1.25A				191×58.4×18mm
FTPC60V12-VFC-B or W	60W	12V	5.00A			191×58.4×18mm	
FTPC60V24-VFC-B or W		24V	2.50A			191×58.4×18mm	
FTPC100V12-VFC-B or W	100W	12V	8.33A			191×58.4×18mm	
FTPC100V24-VFC-B or W		24V	4.17A			191×58.4×18mm	

FTPC-VFP-B

Black output cable for FTPC-VFC-B; L=2m

FTPC-VFP-W

White output cable for FTPC-VFC-W; L=2m

# FTPC-ZIGBEE-CB

75-150W voltage (IP20)



## ● Features

- Zigbee wireless communication protocol
- Compatible with ZHA1.2 international standard
- Brightness adjustment from 1-100%
- Works with constant voltage 12-24V LED drivers
- Open circuit / short circuit



Model	Power	Voltage range	Current	Protection	Safety & EMC	Working temperature	Dimensions (L×W×H)
FTPC75-ZIGBEE-CB	75W	12V	6.25A	over current short circuit	EN61347-1 EN61347-2-13	-40°C ÷ +50°C	72×31.8×16.8mm
	150W	24V					

# FTPC-ZIGBEE

100W voltage (IP20)

## ● Features

- Constant voltage design
- Cooling by free air convection
- Compliance to worldwide regulations for lighting
- Suitable to Zigbee Home Automation 1.2 Protocol



Model	Power	Voltage range	Current	Protection	Safety & EMC	Working temperature	Dimensions (L×W×H)
FTPC100V24-ZIGBEE	100W	24V	4.17A	over current overload short circuit over temp.	EN55015 EN61547 EN61000-3-3 EN61000-3-2	-20°C ÷ +45°C	219.5×56.4×16.8mm

# FTPC-CC 12~60W constant current (IP20)

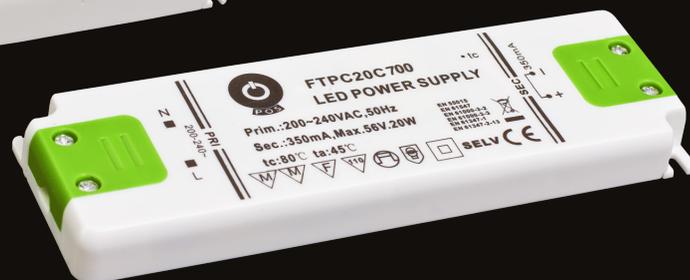


## ● Features

- Constant current design
- Built-in active PFC function (FTPC30C700, FTPC40Cxx & FTPC60Cxx)
- Cooling by free air convection
- Compliance to worldwide safety regulations for lighting
- 100 % full load burn-in test
- Isolation class II
- Wide operating temperature range (-20°C ~ +45°C)
- Approved for installation directly on wood
- Up to 5 years warranty



Model	Power	Voltage	Current	Protection	Safety & EMC	Working temperature	Dimensions (L×W×H)	Weight
FTPC12C350	11.9W	0~34V	350mA	short circuit, over temperature	EN61347-1, EN61347-2-13, EN55015, EN61547	-20°C ~ +45°C	127×50×10mm	0.055kg
FTPC15C350	15.05W	30~43V	350mA				128×51×14mm	0.075kg
FTPC20C350	19.6W	30~56V	350mA				159×58×18mm	0.11kg
FTPC20C700	20.3W	14~29V	700mA				160×58×18mm	0.16kg
FTPC30C700	29.9W	21~43V	700mA				159×58×18mm	0.18kg
FTPC40C700	39.9W	29~57V	700mA				short circuit, over current, over voltage	
FTPC40C1050		19~38V	1050mA					
FTPC60C700	60.2W	43~86V	1050mA					
FTPC60C1050	59.8W	28~57V	1400mA					
FTPC60C1400	59.5W	21~42V	2100mA					
FTPC60C2100	59.8W	14~28V	2100mA					



# FTPC series sensors (IP20)



## FTPC-SIK-IR

### ● Features

- Isolated switch controller with infrared sensor
- Infrared sensor will react to short contact with human hands or objects
- When targets are within its detection range, the controller will be opened
- When targets are out of its detection range, it will be closed



**FTPC-SIK-IR+S101** - Input side electronic IR sensor switch (Line Voltage) for control of cabinet light, detection range < 5 m. Prim: 100-240VAC + probe.

Voltage range input	Output current	Output power (max.)	No-load power consumption	Working temperature	Application
100-240VAC 50 / 60Hz	1A	250VA	< 0.5W	-20°C ≤ Ta ≤ 50°C	-20°C ÷ +45°C

## FTPC-SIM-IR

### ● Features

- Isolated switch controller with infrared sensor
- Infrared sensor will react to short contact with human hands or objects
- When targets are within its detection range, the controller will be opened
- Target is within its detection range again, it will be opened repeating the cycle



**FTPC-SIM-IR+S101** - Input side electronic IR sensor switch (Low Voltage), detection range < 5 cm. Prim: for mirror lighting + probe.

**FTPC-SIM-IR+S105+S104** - Input side electronic IR sensor switch (Low Voltage), detection range < 5 cm. Prim: for mirror lighting + probe + relay.

Voltage range input	Output current	Output power (max.)	No-load power consumption	Working temperature	Application
100-240VAC 50 / 60Hz	1A	250VA	< 0.5W	-20°C ≤ Ta ≤ 50°C	-20°C ÷ +45°C

## FTPC-SIL-PIR

### ● Features

- Isolated switch controller with infrared sensor
- Pyroelectric sensors respond to human movement
- When the sensor detects that the target moves within its detection range, it will be closed
- The closing duration is 10s-3min
- The duration can be adjusted by turning the potentiometer on the product case
- When the delay is complete, it disconnects.



**FTPC-SIL-PIR+S103** - Human-body detection PIR sensor (Line Voltage), detection range < 2.5 m / 80 degree / 10s - 2-3 min +probe.

Voltage range input	Output current	Output power (max.)	No-load power consumption	Working temperature	Application
100-240VAC 50 / 60Hz	1A	250VA	< 0.5W	-20°C ≤ Ta ≤ 50°C	-20°C ÷ +45°C

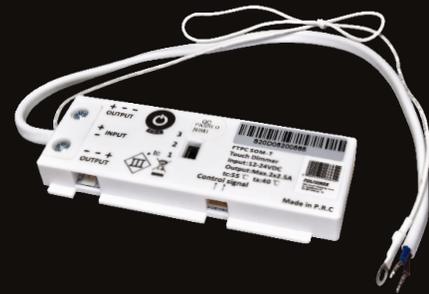
# FTPC series sensors (IP20)



## FTPC-SOM-T

### ● Features

- Touch sensor controller with functions of dimming
- CCT change and power-on heating element systems
- It is suitable for mirror backlighting series products, or other touch sensor dimming control products



**FTPC-SOM-T+S104** - Touch sensor (Low Voltage) with memory function, used behind mirror, for mirrors < 5 mm + relay.

Voltage range input	Rated load	Mirror thickness	Colour temp. variation range CCT	Working temperature	Dimming range	Heating element	Application
12VDC / 24VDC	2 x 30W / 2 x 60W	≤ 5mm	0% ~ 100%	-20°C ≤ Ta ≤ 50°C	5% ~ 100%	Start-up	-20°C ÷ +45°C

## FTPC-SOA-IR

### ● Features

- LED light controller with infrared induction detector, dimming and heating defogging function
- The infrared sensor will react to short distance contact of hands or objects
- There are three modes: cabinet mode (ON/OFF), mirror mode (ON/OFF), mirror mode (ON/OFF + dimming)



**FTPC-SOA-IR+S102** - Output side IR sensor (Low Voltage) for cabinet or mirror light, detection range < 5 cm + probe.

Voltage range input	Output current	Load (max.)	Dimming range	Working temperature	Application
12VDC / 24VDC	6,25A	12V / 75W / 24V / 150W	2% ~ 100%	-20°C ≤ Ta ≤ 50°C	wing cabinets, sliding cabinets, drawers and mirrors

## FTPC-SOL-PIR

### ● Features

- LED light controller with pyroelectric sensors
- There are two kinds of output connection modes to select: metal terminal and connector
- Pyroelectric sensors respond to human movement
- When the sensor detects that the target moves within its detection range, it will be closed
- When the delay is complete, it disconnects



**FTPC-SOL-PIR+S103** - Output side Human-body detection PIR sensor (Low Voltage), detection range < 2,5 m / 80 degree / 10s-3min + probe.

Voltage range input	Output current	Load (max.)	Delay time	Working temperature	Application
12VDC / 24VDC	6,25A	12V / 75W / 24V / 150W	10s - 3min	-20°C ≤ Ta ≤ 50°C	corridors

# MCHQ-GA 50~240W voltage (IP65)



## ● Features

- Universal AC input / Full range(Max 305VAC)
- Built-in active PFC function
- Suitable for dry, humid and rainy environment
- Adopt metal shell and internal glue filling, can be used in dangerous situations
- Built-in lightning protection device can meet the requirements of DM 4KV / CM 6kV
- Compliance to worldwide safety regulations for lighting
- 5 years warranty



**IP65 SELV**

Model	Power	Voltage	Current	Protection	Safety & EMC	Working temperature	Dimensions (L×W×H)		
MCHQ50V12-GA	50W	12V	4.16A	short circuit, overload, over voltage, over temperature	EN55015, EN61347-2-13, EN61000-3-2	-40°C ~ +60°C	157×40.9×36.5mm		
MCHQ50V24-GA		24V	2.08A				172×56.9×36.5mm		
MCHQ80V12-GA	75W	12V	6.66A				173×63×38mm		
MCHQ80V24-GA		24V	3.33A				193.6×63×38mm		
MCHQ100V12-GA	100W	12V	8.33A				216×63×37mm		
MCHQ100V24-GA		24V	4.17A				220.6×62.5×41.3mm		
MCHQ150V12-GA	150W	12V	12.5A						
MCHQ150V24-GA		24V	6.25A						
MCHQ200V12-GA	192W	12V	16A						
MCHQ200V24-GA	200W	24V	8.3A						
MCHQ240V12-GA	216W	12V	18A						
MCHQ240V24-GA	240W	24V	10A						



# MCHQ-GE 100~320W voltage (IP67)



## ● Features

- European AC input (180-305VAC)
- Built-in active PFC function
- Metal case
- Suitable for dry, humid and rainy environment
- Adopt metal shell and internal glue potting, can be use in dangerous situations
- Compliance to worldwide safety regulations for lighting
- 5 years warranty



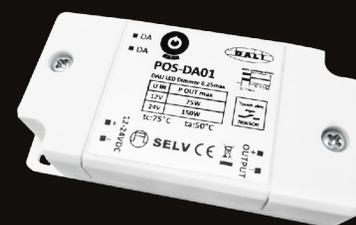
Model	Power	Voltage	Current	Protection	Safety & EMC	Working temperature	Dimensions (L×W×H)
MCHQ100V12-GE	100W	12V	8.30A	short circuit, overload, over voltage, over temperature	EN61347-1, EN 61347-2.13, EN62493, EN55015	-40°C ~ +55°C	173×63×38mm
MCHQ100V24-GE		24V	4.20A				193.6×62.5×38mm
MCHQ150V12-GE	150W	12V	12.50A				220.6×62.5×41.3mm
MCHQ150V24-GE		24V	6.25A				220.6×62.5×41.3mm
MCHQ200V12-GE	200W	12V	16.60A				220.6×62.5×41.3mm
MCHQ200V24-GE		24V	8.33A				220.6×62.5×41.3mm
MCHQ240V12-GE	216W	12V	18.00A				261×62.5×41.4mm
MCHQ240V24-GE	240W	24V	10.00A				
MCHQ320V12-GE	300W	12V	25.00A				
MCHQ320V24-GE	320W	24V	13.30A				

# POS-DA 75~150W voltage (IP20)



## ● Features

- Convert DALI signal to PWM
- Built-in push dimming
- Comply to DALI standard (IEC62386-101,102,207)
- Dimming range 0.1% - 100%
- IP20 protection degree
- Up to 2 years warranty



Model	Power	Voltage range	Current	Protection	Safety & EMC	Working temperature	Dimensions (L×W×H)	Weight
POS-DA01	75W	12V	6.25A	over current	EN61347-2.13, 62386-101,102,207	-40°C ÷ +50°C	78×39.8×16mm	0.396kg
	150W	24V						

# POS-C 35~350W voltage (IP20)



## ● Features

- Constant voltage design
- Universal AC input range
- Low profile - 30mm high
- 100 % full load burn-in test
- Up to 3 years warranty
- Cooling by free air convection (except POS-350-12-C - Cooling by forced air convection)



Model	Power	Voltage	Current	Protection	Safety & EMC	Working temperature	Dimensions (L×W×H)	Weight			
POS-35-5-C	36W	5V	7.00A	short circuit, overload, over voltage	EN60950-1, EN55032, EN61000-3-2, EN61000-3-3, EN55024	-20°C ~ +70°C	99×82×30mm	0.20kg			
POS-35-12-C		12V	3.00A								
POS-35-24-C		24V	1.50A								
POS-50-5-C	50W	5V	10.00A								
POS-50-12-C	50.4W	12V	4.20A								
POS-50-24-C	52.8W	24V	2.20A								
POS-75-12-C	72W	12V	6.00A								
POS-75-24-C	76.8W	24V	3.20A								
POS-100-5-C	90W	5V	18.00A								
POS-100-12-C	102W	12V	8.50A								
POS-100-24-C	108W	24V	4.50A								
POS-150-5-C	110W	5V	22.00A								
POS-150-12-C	150W	12V	12.50A				short circuit, overload, over voltage, over temperature			159×97×30mm	0.45kg
POS-150-24-C	156W	24V	6.50A								
POS-200-12-C	204W	12V	17.00A								
POS-200-24-C	211W	24V	8.80A								
POS-350-12-C	348W	12V	29.00A								
POS-350-24-C	350W	24V	14.40A				215×115×30mm	0.71kg			
								0.81kg			



# DIN 15~100W voltage (IP20)



## ● Features

- Can be installed on TS-35 / DIN Rail
- EU AC input voltage range
- Isolation class II (no earth pin)
- 100 % full load burn-in test
- Cooling by free air convection
- Excellent quality/price ratio
- 2 year warranty



LPS SELV

Model	Power	Voltage	Current	Protection	Safety & EMC	Working temperature	Dimensions (L×W×H)	Weight
DIN15W	15W	12V	1.25A	short circuit, overload, over voltage, over temperature	EN62368-1, EN55032, EN55035	-20°C ~ +50°C	25×92.5×56mm	0.10kg
		15V	1.00A					
		24V	0.63A					
DIN30W	30W	12V	2.50A					
		15V	2.0A					
		24V	1.25A					
DIN60W	60W	12V	5.00A					
		24V	2.50A					
DIN100W	99.6W	12V	8.30A					
		24V	4.15A					

# MDIN 20~100W voltage (IP20)

## ● Features

- Cooling by free air convection
- Can be installed on DIN Rail TS-35/7.5 or 15
- 100 % full load burn-in test
- Universal input voltage range
- DC ok signal (Relay type) (except MDIN20W - Open collector type)
- Up to 2 years warranty



LPS SELV

Model	Power	Voltage	Current	Protection	Safety & EMC	Working temperature	Dimensions (L×W×H)	Weight
MDIN20W	20W	12V	1.67A	short circuit, overload, over voltage, over temperature	EN62368-1, EN55032, EN55024	-20°C ÷ +50°C	100×94×23mm	0.15kg
		24V	1.00A					
MDIN40W	40W	12V	3.33A					
		24V	1.70A					
MDIN60W	60W	12V	5.00A					
		24V	2.50A					
MDIN100W	100W	12V	7.50A					
	96W	24V	4.00A					

# POS - ADAPTER series 2.75~36W



## ● Features

- Universal AC input / Full range
- ErP step II / CEC level VI compliance
- No load power consumption  $P < 0.075W$
- Protections: Overload / Short circuit / Over Voltage



Model	Power	Voltage	Current	Working temperature	Dimensions (L×W×H)	Color	Safety & EMC	
POS05055A	2.75W	5V	0.55A	0°C ÷ 45°C	37.37×23.56×54.37mm	Black	EN 62368 EN55032 EN61000-3-3 EN61000-3-2 EN61000-4-2,-3,-4,-5	
POS05100A	5W	5V	1.00A	0°C ÷ 45°C	37.37×23.56×54.37mm			White
POS05100A-MU								
POS05100A-MU-WH								
POS06100A	6W	6V	1.00A	0°C ÷ 25°C	37.75×23.55×52.2mm	Black		
POS06100A-WH						White		
POS12050A	6W	12V	0.50A	0°C ÷ 40°C	38×25×88.6mm	Black		
POS09100A	9W	9V	1.00A		76.2×27.6×61.6mm	Black		
POS05200A	10W	5V	2.00A		76.2×27.6×61.6mm	Black		
POS05200A-MICRO						White		
POS05200A-WHmicro								
POS05200A-WH								
POS12100A	12W	12V	1.00A		76.2×27.6×61.6mm	Black		
POS24050A	12W	24V	0.50A		61.6×27.6×38.86mm	Black		
POS12120A	14.4W	12V	1.20A		69.1×27.6×78.86mm	Black		
POS12120A-WH					69.1×27.6×79.2mm	White		
POS05300A	15W	5V	3.00A		46.5×23.3×55.1mm	Black		
POS12150A	18W	12V	1.50A		69.1×27.6×79.2mm	Black		
POS12150A-WH						White		
POS12200A	24W	12V	2.00A		82.2×32.6×74.2mm	Black		
POS24100A	24W	24V	1.00A		82.2×32.6×74.2mm			
POS12300A	36W	12V	3.00A		86.9×35.2×89.6mm			
POS24150A	36W	24V	1.50A	89.6×35.1×49.5mm				

# POSB - ADAPTER series 6~36W



## ● Features

- Universal AC input / Full range
- ErP step II / CEC level VI compliance
- No load power consumption  $P < 0.075W$
- Protections: Overload / Short circuit / Over Voltage



Model	Power	Voltage	Current	Working temperature	Dimensions (L×W×H)	Color	Safety & EMC
POSB06100A	6W	6V	1.00A	0°C ÷ 45°C	67×38×74mm	Black	EN 62368 EN55032 EN61000-3-3 EN61000-3-2 EN61000-4-2,-3,-4,-5
POSB06100A-WH						White	
POSB12050A	6W	12V	0.50A	0°C ÷ 45°C	67×38×74mm	Black	
POSB09100A	9W	9V	1.00A	0°C ÷ 45°C	67×38×74mm	Black	
POSB09100A-WH						White	
POSB05200A	10W	5V	2.00A	0°C ÷ 45°C	67×38×74mm	Black	
POSB05200A-MICRO						White	
POSB05200A-WH-MICRO							
POSB05200A-WH							
POSB05210A-2USB	10.5W	5V	2.10A	0°C ÷ 35°C	37.1×24.2×75.3mm	Black	
POSB06200A	12W	6V	2.00A	0°C ÷ 45°C	67×38×74mm	Black	
POSB06200A-WH						White	
POSB12100A	12W	12V	1.00A	-10°C ÷ 45°C	67×38×74mm	Black	
POSB12100A-WH				White			
POSB12100A-E1/U1/U2/ A3				0°C ÷ 40°C	62×39.2×35mm	Black	
POSB24050A-E1/U1/U2/ A3	12W	24V	0.50A	0°C ÷ 40°C	62×39.2×35mm	Black	
POSB24050A				0°C ÷ 45°C	67×38×74mm	White	
POSB24050A-WH				67×38×74mm			
POSB05310A-2USB				15.5W	5V	3.10A	
POSB12150A	18W	12V	1.50A	-10°C ÷ 45°C	67×38×74mm	Black	
POSB12150A-WH						White	
POSB12200A	24W	12V	2.00A	-10°C ÷ 45°C	67×38×74mm	Black	
POSB12200A-E1/U1/U2/A3					71.5×43.5×31.5mm		
POSB24100A-E1/U1/U2/A3					71.5×43.5×31.5mm		
POSB24100A-WH	24W	24V	1.00A	-10°C ÷ 45°C	67×38×74mm	White	
POSB24100A					67×38×74mm	Black	
POSB12250A-WH	30W	12V	2.50A	0°C ÷ 45°C	93.58×46.57×70.1mm	White	
POSB12300A	36W	12V	3.00A	-10°C ÷ 45°C	93.58×46.57×70.1mm	Black	
POSB24150A	36W	24V	1.50A	0°C ÷ 45°C			

# POSC - ADAPTER series 5~36W



## ● Features

- Universal AC input / Full range
- ErP step II / CEC level VI compliance
- MTBF >100.000h
- Protections: Overload / Short circuit / Over Voltage



Model	Power	Voltage	Current	Working temperature	Dimensions (L×W×H)	Color	Safety & EMC
POSC05100A-USB	5W	5V	1.00A	-5°C ÷ 40°C	83×36×24mm	Black	EN 62368 EN55032 EN61000-3-3 EN61000-3-2 EN61000-4-2,-3,-4,-5
POSC05100A-WH-USB						White	
POSC06100A-WH	6W	6V	1.00A		56×28×42mm	White	
POSC12050A	6W	12V	0.50A		56×28×42mm	Black	
POSC07100A	7.5W	7.5V	1.00A				
POSC09100A	9W	9V	1.00A				
POSC05200A	10W	5V	2.00A	-5°C ÷ 40°C	56×28×42mm	Black	
POSC05200A-MICRO						White	
POSC05200A-WHmicro							
POSC05200A-WH							
POSC12100A	12W	12V	1.00A		56×28×42mm	Black	
POSC12100A-WH						White	
POSC24050A	12W	24V	0.50A	-5°C ÷ 40°C	56×28×42mm	Black	
POSC05300A	15W	5V	3.00A				
POSC48027A	13W	48V	0.27A				
POSC15100A	15W	15V	1.00A				
POSC15160A	24W	15V	1.60A		69.4×30×64.1mm		
POSC12200A	24W	12V	2.00A		69.4×30×64.1mm		
POSC12200A-H							
POSC24100A	24W	24V	1.00A		86.5×50×32.8mm		
POSC24100A-H							
POSC24150A-H	36W	24V	1.50A				
POSC12300A-H	36W	12V	3.00A				

# POSB - DESKTOP

series 12~60W



## ● Features

- Universal AC input / Full range
- ErP step II / CEC level VI compliance
- No load power consumption  $P < 0.075W$
- Protections: Overload / Short circuit / Over Voltage



Model	Power	Voltage	Current	Working temperature	Dimensions (L×W×H)	Color	Safety & EMC
POSB12100D	12W	12V	1A	0°C ÷ 40°C	67×43.5×74mm	Black	EN 62368 EN55032 EN61000-3-3 EN61000-3-2 EN61000-4-2,-3,-4,-5
POSB12200D	24W		2A		96×68×31mm		
POSB12300D	36W		3A		93.58×46.57×70.1mm		
POSB12500D	60W		5A		115×74×31mm		

# POSC - DESKTOP

series 24~120W

## ● Features

- Universal AC input / Full rang
- ErP step II / CEC level VI compliance
- MTBF > 100.000h
- Protections: Overload / Short circuit / Over Voltage



Model	Power	Voltage	Current	Working temperature	Dimensions (L×W×H)	Color	Safety & EMC			
POSC12200D-C8-WH	24W	12V	2.00A	-5°C ÷ 40°C	115×50×30mm	White	EN 62368 EN55032 EN61000-3-3 EN61000-3-2 EN61000-4-2,-3,-4,-5			
POSC12250D-C8-WH	30W		2.50A		116×50×30mm	White				
POSC12300D-C8	36W		3.00A		117×50×30mm	Black				
POSC12300D-C8-WH			3.00A		118×50×30mm	White				
POSC12333D-C14	40W		3.34A		119×50×30mm	Black				
POSC12500D-C14	60W		5.00A		120×50×30mm					
POSC12500D-C8					121×50×30mm					
POSC12500D-C8-WH					122×50×30mm	White				
POSC121000D-C14	120W		12V		10.00A	-5°C ÷ 40°C		152.4×64×35mm	Black	EN 62368 EN55032 EN61000-3-3 EN61000-3-2 EN61000-4-2,-3,-4,-5
POSC15400D-C14	60W		15V		4.00A			121.3×53.6×31.2mm		
POSC18333D-C14		18V	3.33A	142.3×60.3×33.2mm						
POSC19473D-C14-25	90W	19V	4.73A	152.4×64×35mm						
POSC20600D-C14-25	120W	20V	6.00A	121.3×53.6×31.2mm						
POSC24250D-C14	60W	24V	2.50A	142.3×60.3×33.2mm						
POSC24375D-C14			3.75A	121.3×53.6×31.2mm						
POSC48125D-C14	60W	48V	1.25A	121.3×53.6×31.2mm						
POSC48187D-C14	90W		1.87A	142.3×60.3×33.2mm						

# MPL/MPLC

3-15W voltage & current



## MPL/MPLC

### HIGHLIGHTS & FEATURES



- **Protections:**
  - Short circuit
  - Overload
- Cooling by free air convection
- Thin case design
- IP65 (only MPL-03)
- IP20
- Compact size
- Low price



Model	Power	Voltage range	Current	Protection	Working temperature	Dimensions (L×W×H)	Weight
MPL-03-350 MPL-03-700	3W	2.8-10.5Vdc	350mA	Short circuit, overload	-10 ~ 50°C	37 x 26 x 21 mm	0.040kg
MPL-03-350LC MPL-03-700LC		0.5-4Vdc	700mA				
		6-12Vdc	350mA				
		2.5-4.2Vdc	700mA				
MPL-06-12LC	6W	12Vdc	0.5A	Short circuit, overload over voltage, over temperature	-5 ~ 50°C	40 x 37 x 22 mm	0.085kg
MPL-12-12LC	12W		1A		-20 ~ 50°C	74 x 48 x 24 mm	0.072kg
MPL-16-12LC MPL-16-24LC	15W	12Vdc	1.25A	Short circuit, overload, over temperature		115 x 45 x 27.5 mm	0.085kg
		24Vdc	0.625A				
MPLC-12-350 MPL-C12-700	11.9W	17-34Vdc	350mA	Short circuit, over temperature	-30 ~ 70°C	88 x 39 x 22.5 mm	0.060kg
		9-17Vdc	700mA				
MPLC-16-350 MPLC-16-700	16W	23-46Vdc	350mA				
		12-23Vdc	700mA			115 x 45 x 27.5 mm	0.083kg

# EA Plug-in/Desktop

6-230W voltage



## EA Plug-in/Desktop

HIGHLIGHTS & FEATURES

- **Protections:**
  - Short circuit
  - Overload
  - Over voltage
  - Over temperature
- Cooling by free air convection
- Thin case design
- High efficiency
- Compact size
- Low price



Model	Power	Voltage	Current	Protection	Working temperature	Dimensions (L×W×H)	Weight
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### Plug-in

EA 1006	6W	5V	1.2A	Short circuit, overload, over voltage	0 ~ 45°C	25 × 35 × 55mm	0.070kg
		6V	1A				
		12V	0.5A				
EA 1015	10W	5V	2A			34.5 × 47.5 × 71mm	0.140kg
	11.97W	9V	1.33A				
	15W	12V	1.25A				
EA 1018A-2E	15W	5V	3A		0 ~ 40°C	72 × 34 × 69.8mm	0.152kg
EA 1018G	24W	12V	2A				
EA 1018D	19.9W	24V	0.83A				

### Desktop

EA 1018B21	18W	12V	1.5A	short circuit, over voltage	0 ~ 40°C	80 × 50 × 33mm	0.160kg
EA 10402	30W	12V	2.5A			85.5 × 35.7 × 25.7 mm	
EA 10521C	45W	5V	9A	short circuit, overload, over voltage		120 × 60 × 34.8mm	0.310kg
	60W	12V	5A				
	60W	24V	2.5A				
EA 1050D-240	50W	24V	2.08A	short circuit, over voltage		121 × 60 × 34.5mm	0.280kg
EA 11002A	90W	12V	7.5A			132 × 58.5 × 33.7mm	0.450kg
EA 10952 (M15)	89.3W	19V	4.7A				0.420kg
EA 11353A	120W	12V	10A			177 × 63.5 × 40mm	0.450kg
EA 10953E	90W	24V	3.75A			133 × 59 × 34mm	
EA 11013M	120W		5A		137 × 59 × 34mm		
EA 11701N	160W		6.66A		179 × 65 × 40mm	0.705kg	
EA 12501M	230W		9.6A		182 × 84.5 × 46mm	1.000kg	

### Plug-in & Desktop series EAxxxxD

EA 10202D1	24W	12V	2A	overload, short circuit, over voltage, over temperature	0 ~ 40°C	85 × 35.5 × 27.5mm	0.200kg
EA 10502D1	42W		3.5A			115 × 50.5 × 31mm	0.240kg
EA 10750D1	60W		5A			115 × 50.5 × 31mm	0.280kg

# EA Plug-in/Desktop

6-230W voltage



Model	Power	Voltage	Current	Protection	Working temperature	Dimensions (L×W×H)	Weight
<b>Plug-in &amp; Desktop series EAxxxxD</b>							
EA 10850D1	72W	12V	6A	Short circuit, overload, over voltage	0 ~ 45°C	115 × 50.5 × 31mm	0.240kg
EA 10100D1	100W		8.33A			168 × 65 × 40mm	0.490kg
EA 20084D1	84W	24V	3.5A			133 × 56 × 31mm	0.240kg
EA 20120D1	120W	24V	5A			170 × 65 × 40mm	0.390kg

# EA-LC Plug-in/Desktop

8-42W voltage



## EA-LC Plug-in/Desktop

HIGHLIGHTS & FEATURES

- **Protections:**
  - *Short circuit*
  - *Overload*
  - *Over voltage*
  - *Over temperature*
- *Cooling by free air convection*
- *Compact size*
- *Low price*



Model	Power	Voltage	Current	Protection	Working temperature	Dimensions (L×W×H)	Weight
EA 1009B	8W	12V	0.65A	Short circuit, overload	-10 ~ 40°C	75 × 29 × 81mm	0.100kg
EA 1012A	12W		1A			75 × 29 × 87mm	
EA 1017A	17W		1.4A			72.5 × 33.5 × 78mm	0.110kg
EA 1020A	20W		1.67A			72 × 36 × 92 mm	0.150kg
EA 1024A	24W		2A			72 × 33 × 90mm	0.170kg
EA 1030A	30W		2.5A			107 × 50 × 35mm	0.250kg
EA 10302D	30W					100 × 50 × 30mm	0.260kg
EA 10502D	42W		3.5A		0 ~ 40°C	100 × 50 × 30mm	0.260kg

# EB Plug-in/Desktop

1.2-120W voltage



## EB Plug-in/Desktop

### HIGHLIGHTS & FEATURES

- **Protections:**
  - Short circuit
  - Overload
- Cooling by free air convection
- Thin case design
- II class isolation
- Compact size
- Low price



Model	Power	Voltage	Current	Protection	Working temperature	Dimensions (L×W×H)	Weight
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### Plug-in

<b>EB0112</b>	1.2W	12V	0.1A	Short circuit, overload	0 ~ 45°C	60 × 39 × 25mm	0.060kg
<b>EB0612</b>	6W		0.5A			75 × 30 × 79mm	0.085kg
<b>EB0909</b>	9W	9V	1A	Short circuit, overload, over temperature	-5 ~ 45°C	85 × 43 × 69mm	0.090kg
<b>EB1005</b>	10W	5V	2A	Short circuit, overload over voltage, over temperature			70 × 28 × 77mm
<b>EB1212</b>	12W	12V	1A	Short circuit, overload		85 × 43 × 69mm	0.1kg
<b>EB1309</b>	13.5W	9V	1.5A			70 × 45.5 × 68mm	
<b>EB1505</b>	15W	5V	3A	Short circuit, overload, over voltage		85 × 43 × 69mm	0.130kg
<b>EB1809</b>	18W	9V	2A	Short circuit, overload over voltage, over temperature			
<b>EB2005</b>	20W	5V	4A			85 × 43 × 69mm	0.1kg
<b>EB2412</b>	24W	12V	2A			Short circuit, overload, over voltage	110 × 52.5 × 75mm
<b>EB2424</b>	24W	24V	1A				
<b>EB3612</b>	36W	12V	3A	Short circuit, overload, over voltage			

### Desktop

<b>EBD1212</b>	12W	12V	1A	Short circuit, overload over voltage, over temperature	-5 ~ 40°C	64.5 × 35 × 27mm	0.1kg
<b>EBD2412</b>	24W		2A	Short circuit, overload, overvoltage		85.5 × 50 × 32mm	0.2kg
<b>EBD3612</b>	36W		3A			96 × 44 × 30.5mm	0.22kg
<b>EBD6012</b>	60W		5A			116 × 50 × 32mm	0.23kg
<b>EBD12012</b>	120W		10A	Short circuit, overload over voltage, over temperature		174 × 72 × 43mm	0.35kg

# EA Adapter

## 12-30W voltage



## EA Adapter

### HIGHLIGHTS & FEATURES

- **Protections:**
  - Short circuit
  - Overload
  - Over temperature
- Universal AC input / Full range
- Wall mounted, Isolation class II design
- ErP step II / CEC level V compliance
- No load power consumption  $P < 0.5W$
- Low price



Model	Power	Voltage	Current	Protection	Working temperature	Dimensions (L×W×H)	Weight
<b>Adapter</b>							
EA 1018A v.6	12W	12V	1.5A	Short circuit, overload, over temperature	0 ~ 45°C	70 × 32 × 90mm	0.119kg
EA 1020A	20W		1.67A	Short circuit, overload	-10 ~ 40°C	72.5 × 33.5 × 78mm	0.110kg
EA 1024A	24W		2A			72 × 36 × 92mm	0.150kg
EA 1030A	30W		2.5A			72 × 33 × 90mm	0.170kg



# ER Adapter/Desktop

9-60W voltage



## ER Adapter/Desktop

### HIGHLIGHTS & FEATURES

- **Protections:**
  - Short circuit
  - Overload
  - Over voltage
- Wall mounted type, Isolation class II design
- Thin case design
- ErP step II / CEC level VI compliance
- No load power consumption  $P < 0.075W$
- Low price



Model	Power	Voltage	Current	Protection	Working temperature	Dimensions (L×W×H)	Weight
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### Adapter

ER09W09V	9W	9V	1A	Short circuit, overload, over voltage	0 ~ 40°C	76.2 x 27.6 x 61.6mm	0.075kg
ER10W05V	10W	5V	2A				0.079kg
ER12W12V	12W	12V	1A				0.076kg
ER13W09V	13W	9V	1.5A				0.080kg
ER15W05V	15W	5V	3A			79.2 x 27.6 x 69.1mm	0.106kg
ER18W09V	18W	9V	2A			78.7 x 27.6 x 69.1mm	0.090kg
ER24W12V	24W	12V	2A			74.1 x 32.6 x 44.9mm	N/D
ER24W24V	24W	24V	1A				
ER36W12V	36W	12V	3A				

### Desktop

ERD24W12V	24W	12V	2A	Short circuit, overload, over voltage	0 ~ 35°C	87.5 x 47.9 x 32.8mm	0.137kg
ERD36W12V	36W		3A		0 ~ 25°C	105.2 x 51.2 x 33.5mm	0.170kg
ERD60W12V	60W		5A	Short circuit, overload, over voltage, over temperature	0 ~ 55°C	105.2 x 51.2 x 33.5mm	0.230kg

## FOR LIGHTBOXES 4-8cm DEPTH

### MW-MLD-HE-1W-LENS170



Power	0.36W
Rated voltage	12Vdc +/- 5%
Chain power consumption	14.4W
Colour temperature	6500K
Luminous flux	58lm
Flux density	160lm/W
Beam angle	170°
Chain length	40pcs
Dimensions HxWxL	10.8 x 16.3 x 25.2mm
Wire length	120mm
Quantity per 1 meter	7pcs
Pcs in bag / box	200 / 2880pcs



Highest efficiency on market

#### Compatible LED controllers:

MW-CTR-CCT-6A-02-Rx, MW-CTR-CCT-6A-02-Tx

## Features

- High efficiency 160lm/W
- Available colours: white
- Built-in prismatic lens 170°
- Built-in constant current circuit
- 3 MacAdam ellipses each bin
- For lightboxes 4-8cm depth
- IP67 protection
- Adhesive tape 3M
- 7 years warranty

Typical CRI>70, Higher level project available.

Power supply	12W	18W	24W	36W	50W	60W	75W	100W	120W	150W	200W	250W	300W
Number of modules	30	45	60	90	125	150	187	250	300	375	500	625	750

## FOR LIGHTBOXES 8-15cm DEPTH

### MW-MLD-HE-2W-LENS170



Power	0.72W
Rated voltage	12Vdc +/- 5%
Chain power consumption	14.4W
Colour temperature	6500K
Luminous flux	115lm
Flux density	160lm/W
Beam angle	170°
Chain length	20pcs/szt.
Dimensions HxWxL	10.5 x 14.7 x 50.1mm
Wire length	100mm
Quantity per 1 meter	7pcs/szt.
Pcs in bag / box	150 / 1440



Highest efficiency on market

#### Compatible LED controllers:

MW-CTR-CCT-6A-02-Rx, MW-CTR-CCT-6A-02-Tx

## Features

- High efficiency 160lm/W
- Available colours: white
- Built-in prismatic lens 170°
- Built-in constant current circuit
- 3 MacAdam ellipses each bin
- For lightboxes 8-15cm depth
- IP67 protection
- Adhesive tape 3M
- 7 years warranty

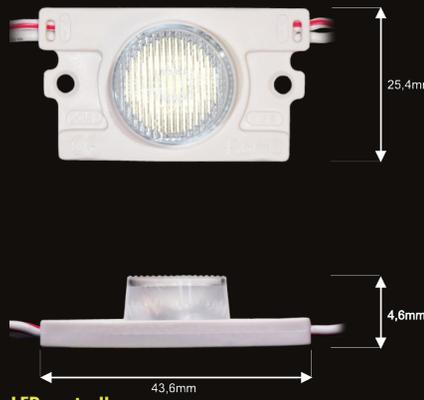
Typical CRI>70, Higher level project available.

Power supply	12W	18W	24W	36W	50W	60W	75W	100W	120W	150W	200W	250W	300W
Number of modules	15	22	30	45	62	75	93	125	150	187	250	312	375

## FOR DOUBLE-SIDED LIGHTBOXES

### ALASKA-1W

Power	1.2W
Rated voltage	12Vdc +/- 5%
Chain power consumption	24W
Colour temperature	6000-7000K
Luminous flux	115lm
Flux density	95.8lm/W
Beam angle	14x50°
Chain length	20pcs
Module center-center length	175mm
Dimensions HxWxL	4.6 x 25.4 x 43.6mm
Wire length	150mm
Quantity per 1 meter	5pcs
Pcs in bag / box	100 / 1200



**Compatible LED controllers:**  
MW-CTR-CCT-6A-02-Rx, MW-CTR-CCT-6A-02-Tx

## Features

- Available colours: white
- Narrow angle lens 14x50°
- Injection mold technology
- For double-sided lightboxes
- IP67 protection
- Adhesive tape 3M
- 3 years warranty

Typical CRI>70, Higher level project available.

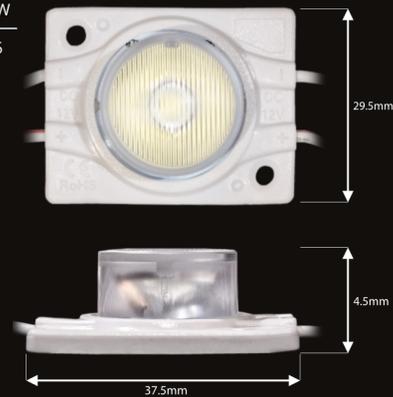


Power supply	12W	18W	24W	36W	50W	60W	75W	100W	120W	150W	200W	250W	300W
Number of modules	9	13	18	27	37	45	56	75	90	112	150	187	225

## FOR DOUBLE-SIDED LIGHTBOXES

### NEBRASKA-1W

Power	2.4W
Rated voltage	12Vdc +/- 5%
Chain power consumption	48W
Colour temperature	6000-7000K
Luminous flux	200lm
Flux density	83.3lm/W
Beam angle	18x40°
Chain length	20pcs
Module center-center length	180mm
Dimensions HxWxL	4.5 x 29.5 x 37.5mm
Wire length	150mm
Quantity per 1 meter	5pcs
Pcs in bag / box	100 / 1200



**Compatible LED controllers:**  
MW-CTR-CCT-6A-02-Rx, MW-CTR-CCT-6A-02-Tx

## Features

- Available colours: white
- Narrow angle lens 18x40°
- Injection mold technology
- For double-sided lightboxes
- IP67 protection
- Adhesive tape 3M
- 3 years warranty

Typical CRI>70, Higher level project available.

Power supply	12W	18W	24W	36W	50W	60W	75W	100W	120W	150W	200W	250W	300W
Number of modules	4	6	9	13	18	22	28	37	45	56	75	93	112

## FOR LIGHTBOXES 10-20cm DEPTH



### MW-MLD-HE-3W-LENS170



Power	0.96W
Rated voltage	12Vdc +/- 5%
Chain power consumption	19.2W
Colour temperature	6500K
Luminous flux	155lm
Flux density	160lm
Beam angle	170°
Chain length	20pcs
Dimensions HxWxL	10.5 x 14.7 x 72.7mm
Wire length	110mm
Quantity per 1 meter	5pcs/szt
Pcs in bag / box	100 / 1000



Highest efficiency on market

#### Compatible LED controllers:

MW-CTR-CCT-6A-02-Rx, MW-CTR-CCT-6A-02-Tx

## Features

- High efficiency 160lm/W
- Available colours: white
- Built-in prismatic lens 170°
- Built-in constant current circuit
- 3 MacAdam ellipses each bin
- For lightboxes 10-20cm depth
- IP67 protection
- Adhesive tape 3M
- 7 years warranty

Typical CRI>70, Higher level project available.

Power supply	12W	18W	24W	36W	50W	60W	75W	100W	120W	150W	200W	250W	300W
Number of modules	11	16	22	33	46	56	70	93	112	140	187	234	281



## FOR LIGHTBOXES 13-30cm DEPTH

### MW-MLD-HE-4W-LENS170

Power	2W
Rated voltage	24Vdc +/- 5%
Chain power consumption	40W
Colour temperature	6500K
Luminous flux	320lm
Flux density	160lm/W
Beam angle	170°
Chain length	20pcs
Dimensions HxWxL	10.2 x 36 x 36mm
Wire length	215mm
Quantity per 1 meter	5pcs
Pcs in bag / box	60 / 720



Highest efficiency on market

#### Compatible LED controllers:

MW-CTR-CCT-6A-02-Rx, MW-CTR-CCT-6A-02-Tx

## Features

- High efficiency 160lm/W
- Available colours: white
- Built-in prismatic lens 170°
- Built-in constant current circuit
- 3 MacAdam ellipses each bin
- For lightboxes 13-30cm depth
- IP67 protection
- Adhesive tape 3M
- 7 years warranty

Typical CRI>70, Higher level project available.

Power supply	12W	18W	24W	36W	50W	60W	75W	100W	120W	150W	200W	250W	300W
Number of modules	5	8	10	16	22	27	33	45	54	67	90	112	135

## FOR LIGHTBOXES 5-25cm DEPTH



### TEXAS-3W | TEXAS-3CW | TEXAS-3R TEXAS-3G | TEXAS-3B

Power	0.72W
Rated voltage	12Vdc +/- 5%
Chain power consumption	14.4W
Colour temperature	6000-8000K, 8000-16000K, R: 620-630nm, G: 520-530nm, B: 460-470nm
Luminous flux	69lm
Flux density	95lm/W
Beam angle	160°
Chain length	20pcs
Module center-center length	165mm
Dimensions HxWxL	5.2 x 12.4 x 60.6mm
Wire length	110mm
Quantity per 1 meter	7pcs
Pcs in bag / box	100 / 2600



#### Compatible LED controllers:

MW-CTR-RGBW-4A-SET-01, MW-CTR-RGBW-4A-02-TX, MW-CTR-RGBW-4A-02-RX

## Features

- Available colours: white, cold white, red, green, blue
- Built-in lens 160°
- Injection mold technology
- For lightboxes 8-1cm depth
- IP67 protection
- Adhesive tape 3M
- 4 years warranty

Typical CRI>70, Higher level project available.



Power supply	12W	18W	24W	36W	50W	60W	75W	100W	120W	150W	200W	250W	300W
Number of modules	15	22	30	45	62	75	93	125	150	187	250	312	375

## FOR LIGHTBOXES 5-25cm DEPTH

### NEVADA-3W | NEVADA-3CW

Power	1.2W
Rated voltage	12Vdc +/- 5%
Chain power consumption	24W
Colour temperature	6000-7000K, 8000-12000K
Luminous flux	114lm
Flux density	95lm/W
Beam angle	160°
Module center-center length	165mm
Chain length	20pcs
Dimensions HxWxL	5.2 x 12.4 x 60.6mm
Wire length	110mm
Quantity per 1 meter	7pcs
Pcs in bag / box	100 / 2600



#### Compatible LED controllers:

MW-CTR-CCT-6A-02-Rx, MW-CTR-CCT-6A-02-Tx

## Features

- Available colours: white, cold white
- Built-in lens 160°
- Injection mold technology
- For lightboxes 10-20cm depth
- IP67 protection
- Adhesive tape 3M
- 3 years warranty

Typical CRI>70, Higher level project available.



Power supply	12W	18W	24W	36W	50W	60W	75W	100W	120W	150W	200W	250W	300W
Number of modules	9	13	18	27	37	45	56	75	90	112	150	187	225

## FOR DOUBLE-SIDED LIGHTBOXES

### MW-MLD-3030-3W-LENS

Power	3W
Rated voltage	12Vdc +/- 5%
Chain power consumption	60W
Colour temperature	5500-7000K
Luminous flux	220lm
Flux density	73lm/W
Beam angle	55x15°*
Chain length	20pcs   3.8m
Module center-center length	200mm
Dimensions HxWxL	21 x 33 x 57mm
Wire length	135mm
Quantity per 1 meter	5pcs
Pcs in bag / box	40 / 320

\* depending on the vertical or horizontal arrangement



Power supply	12W	18W	24W	36W	50W	60W	75W	100W	120W	150W	200W	250W	300W
Number of modules	3	5	7	10	15	18	22	30	36	45	60	75	90

## FOR DOUBLE-SIDED LIGHTBOXES

### MW-MLD-3030-4.5W-LENS

Power	4.5W
Rated voltage	12Vdc +/- 5%
Chain power consumption	67.5W
Colour temperature	6000-8000K
Luminous flux	400lm
Flux density	88.8lm/W
Beam angle	55x15°*
Chain length	15pcs   3m
Module center-center length	200mm
Dimensions HxWxL	21 x 33 x 63mm
Wire length	140mm
Quantity per 1 meter	5pcs
Pcs in bag / box	30 / 300

\* depending on the vertical or horizontal arrangement



Power supply	12W	18W	24W	36W	50W	60W	75W	100W	120W	150W	200W	250W	300W
Number of modules	2	3	4	7	10	12	15	20	24	30	40	50	60



#### Compatible LED controllers:

MW-CTR-CCT-6A-02-Rx, MW-CTR-CCT-6A-02-Tx

## Features

- Available colours: white
- Narrow angle lens 55x15°
- Injection mold technology
- For double-sided lightboxes
- Internal radiator for better heating dissipation
- Built-in constant current circuit
- IP67 protection
- Adhesive tape 3M
- 5 years warranty

Typical CRI>70, Higher level project available.



#### Compatible LED controllers:

MW-CTR-CCT-6A-02-Rx, MW-CTR-CCT-6A-02-Tx

## Features

- Available colours: white
- Narrow angle lens 55x15°
- Injection mold technology
- For double-sided lightboxes
- Built-in constant current circuit
- IP67 protection
- Adhesive tape 3M
- 5 years warranty

Typical CRI>70, Higher level project available.

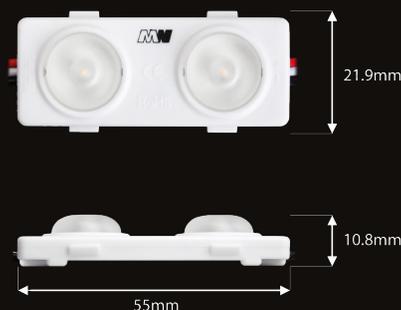


FOR 3D CHANNEL LETTERS, MIN 5cm DEPTH

## MW-MLD-CCT-2W-LENS

Power	1W (LED) / 2W (Module)
Rated voltage	24Vdc +/- 5%
Chain power consumption	40W (module max) *
Colour temperature	2700-6500K **
Luminous flux	160lm
Flux density	80lm/W
Beam angle	165°
Chain length	20pcs   3.1m
Module center-center length	155mm
Dimensions HxWxL	10.8 x 21.9 x 55mm
Wire length	100mm
Quantity per 1 meter	6pcs
Pcs in bag / box	720 / 1440

\* power consumption depends on \*\* multi-white adjustable



**Compatible LED controllers:**  
MW-CTR-CCT-6A-02-Rx, MW-CTR-CCT-6A-02-Tx

## Features

- Adjustable colour temp
- Built-in lens 165°
- Chain of 20 pcs
- IP 64 waterproof, injection molded
- Built-in constant current circuit
- Built-in heat sink plate
- 5 years warranty

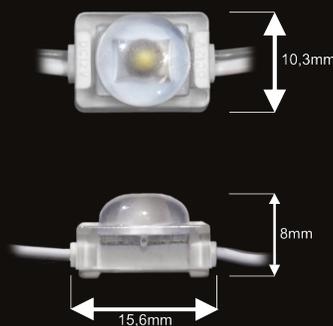
Typical CRI>70, Higher level project available.

Power supply	12W	18W	24W	36W	50W	60W	75W	100W	120W	150W	200W	250W	300W
Number of modules	5	8	11	16	22	27	34	46	55	70	97	121	147

FOR 3D CHANNEL LETTERS

## MW-MLD-MINI-1W-LENS160

Power	0.3W
Rated voltage	12Vdc +/- 5%
Chain power consumption	15W
Colour temperature	6000-8000K
Luminous flux	30lm
Flux density	100lm/W
Beam angle	160°
Chain length	50pcs/szt   2.35m
Module center-center length	45mm
Dimensions HxWxL	8 x 15.6 x 10.3mm
Wire length	32mm
Quantity per 1 meter	22pcs
Pcs in bag / box	400 / 2800



**Compatible LED controllers:**  
MW-CTR-CCT-6A-02-Rx, MW-CTR-CCT-6A-02-Tx

## Features

- Available colours: white
- Built-in lens 160°
- For 3D channel letters
- IP68 protection
- Adhesive tape 3M
- 5 years warranty

Typical CRI>70, Higher level project available.

Power supply	12W	18W	24W	36W	50W	60W	75W	100W	120W	150W	200W	250W	300W
Number of modules	36	54	72	108	150	180	225	300	360	450	600	750	900

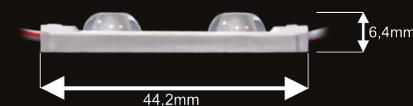


## FOR LIGHTBOXES 3-10cm DEPTH

### MW-MLD-2835-2WW-LENS MW-MLD-2835-2NW-LENS, MW-MLD-2835-2W-LENS



Power	0.48W
Rated voltage	12Vdc +/- 5%
Chain power consumption	24W
Colour temperature	3000K, 4000-4500K, 6000-8000K
Luminous flux	44lm
Flux density	88lm/W
Beam angle	160°
Chain length	50pcs   5.3m
Module center-center length	100mm
Dimensions HxWxL	6.4 x 14.6 x 44.2mm
Wire length	60.8mm
Quantity per 1 meter	9.5pcs
Pcs in bag / box	200 / 2000



#### Compatible LED controllers:

MW-CTR-CCT-6A-02-Rx, MW-CTR-CCT-6A-02-Tx

## Features

- Available colours: warm white, neutral white, cold white
- Built-in lens 160°
- Injection mold technology
- For lightboxes 3-10cm depth
- Built-in constant current circuit
- Internal radiator for better heating dissipation
- IP67 protection
- Adhesive tape 3M
- 5 years warranty

Typical CRI>70, Higher level project available.



Power supply	12W	18W	24W	36W	50W	60W	75W	100W	120W	150W	200W	250W	300W
Number of modules	22	33	45	67	93	112	140	187	225	281	375	468	562

## FOR LIGHTBOXES 8-25cm DEPTH

### MW-MLD-2835-3WW-LENS MW-MLD-2835-3NW-LENS

Power	0.72W
Rated voltage	12Vdc +/- 5%
Chain power consumption	28.8W
Colour temperature	2700-3200K, 4000K
Luminous flux	66lm
Flux density	91.7lm/W
Beam angle	160°
Chain length	40pcs   6.6m
Module center-center length	175mm
Dimensions HxWxL	6.4 x 15 x 65mm
Wire length	110mm
Quantity per 1 meter	6pcs
Pcs in bag / box	160 / 2560



#### Compatible LED controllers:

MW-CTR-RGBW-4A-SET-01, MW-CTR-RGBW-4A-02-TX, MW-CTR-RGBW-4A-02-RX

## Features

- Available colours: warm white, neutral white
- Built-in lens 160°
- Injection mold technology
- For lightboxes 8-25cm depth
- Built-in constant current circuit
- Internal radiator for better heating dissipation
- IP67 protection
- Adhesive tape 3M
- 5 years warranty

Typical CRI>70, Higher level project available.



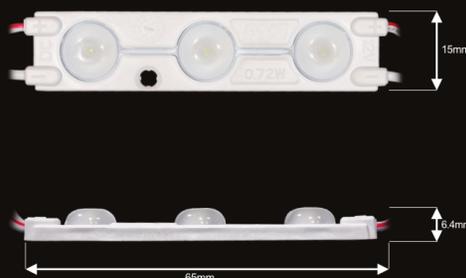
Power supply	12W	18W	24W	36W	50W	60W	75W	100W	120W	150W	200W	250W	300W
Number of modules	15	22	30	45	62	75	93	125	150	187	250	312	375

## FOR LIGHTBOXES 8-25cm DEPTH



### MW-MLD-2835-3W-LENS MW-MLD-2835-3CW-LENS

Power	0.72W
Rated voltage	12Vdc +/- 5%
Chain power consumption	28.8W
Colour temperature	6000-8000K, 10000-14000K
Luminous flux	66lm
Flux density	91.7lm/W
Beam angle	160°
Chain length	40pcs   6.6m
Module center-center length	175mm
Dimensions HxWxL	6.4 x 15 x 65mm
Wire length	110mm
Quantity per 1 meter	6pcs
Pcs in bag / box	160 / 2560



#### Compatible LED controllers:

MW-CTR-RGBW-4A-SET-01, MW-CTR-RGBW-4A-02-TX, MW-CTR-RGBW-4A-02-RX

## Features

- Available colours: white, cold white
- Built-in lens 160°
- Injection mold technology
- For lightboxes 8-25cm depth
- Built-in constant current circuit
- Internal radiator for better heating dissipation
- IP67 protection
- Adhesive tape 3M
- 5 years warranty

Typical CRI>70, Higher level project available.

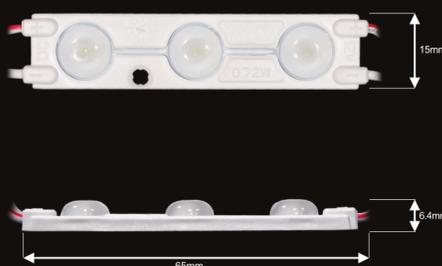
Power supply	12W	18W	24W	36W	50W	60W	75W	100W	120W	150W	200W	250W	300W
Number of modules	15	22	30	45	62	75	93	125	150	187	250	312	375



## FOR LIGHTBOXES 8-25cm DEPTH

### MW-MLD-2835-3R-LENS MW-MLD-2835-3G-LENS

Power	0.72W
Rated voltage	12Vdc +/- 5%
Chain power consumption	28.8W
Colour temperature	R: 620-630nm, G: 520-530nm
Luminous flux	66lm
Flux density	91.7lm/W
Beam angle	160°
Chain length	40pcs   6.6m
Module center-center length	175mm
Dimensions HxWxL	6.4 x 15 x 65mm
Wire length	110mm
Quantity per 1 meter	6pcs
Pcs in bag / box	160 / 2560



#### Compatible LED controllers:

MW-CTR-RGBW-4A-SET-01, MW-CTR-RGBW-4A-02-TX, MW-CTR-RGBW-4A-02-RX

## Features

- Available colours: red, green
- Built-in lens 160°
- Injection mold technology
- For lightboxes 8-25cm depth
- Built-in constant current circuit
- Internal radiator for better heating dissipation
- IP67 protection
- Adhesive tape 3M
- 5 years warranty

Typical CRI>70, Higher level project available.

Power supply	12W	18W	24W	36W	50W	60W	75W	100W	120W	150W	200W	250W	300W
Number of modules	15	22	30	45	62	75	93	125	150	187	250	312	375



## FOR LIGHTBOXES 8-25cm DEPTH



### MW-MLD-2835-3B-LENS MW-MLD-2835-3Y-LENS



Power	0.72W
Rated voltage	12Vdc +/- 5%
Chain power consumption	28.8W
Colour temperature	460-470nm, 588-594nm
Luminous flux	66lm
Flux density	91.7lm/W
Beam angle	160°
Chain length	40pcs   6.6m
Module center-center length	175mm
Dimensions HxWxL	6.4 x 15 x 65mm
Wire length	110mm
Quantity per 1 meter	6pcs
Pcs in bag / box	160 / 2560



#### Compatible LED controllers:

MW-CTR-CCT-6A-02-Rx, MW-CTR-CCT-6A-02-Tx

## Features

- Available colours: blue, yellow
- Built-in lens 160°
- Injection mold technology
- For lightboxes 8-25cm depth
- Built-in constant current circuit
- Internal radiator for better heating dissipation
- IP67 protection
- Adhesive tape 3M
- 5 years warranty

Typical CRI>70, Higher level project available.



Power supply	12W	18W	24W	36W	50W	60W	75W	100W	120W	150W	200W	250W	300W
Number of modules	15	22	30	45	62	75	93	125	150	187	250	312	375

## FOR LIGHTBOXES MINIMUM 4cm DEPTH

### MW-MLD-FLAT-1NW-LENS170 MW-MLD-FLAT-1W-LENS170

Power	0.96W
Rated voltage	12Vdc +/- 5%   24Vdc +/- 5%
Chain power consumption	28.8W
Colour temperature	4000K, 6000-7000K
Luminous flux	85lm
Flux density	88lm/W
Beam angle	170°
Chain length	30pcs   4.5m
Module center-center length	175mm
Dimensions HxWxL	7.3 x 21 x 38mm
Wire length	110mm
Quantity per 1 meter	6pcs
Pcs in bag / box	120 / 2400



#### Compatible LED controllers:

MW-CTR-CCT-6A-02-Rx, MW-CTR-CCT-6A-02-Tx

## Features

- Available colours: neutral white
- Built-in lens 170°
- Injection mold technology
- For lightboxes minimum 4cm depth
- Built-in constant current circuit
- Internal radiator for better heating dissipation
- IP67 protection
- Adhesive tape 3M
- 5 years warranty

Typical CRI>70, Higher level project available.



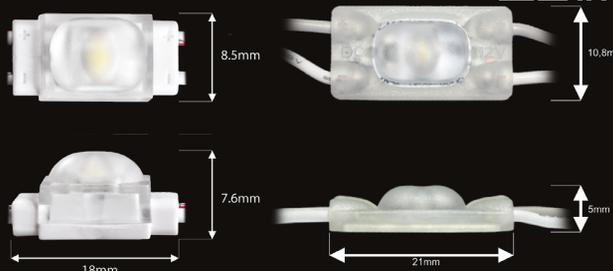
Power supply	12W	18W	24W	36W	50W	60W	75W	100W	120W	150W	200W	250W	300W
Number of modules	11	16	22	33	46	56	70	93	112	140	187	234	281

## FOR 3D CHANNEL LETTERS



### MINIOVAL-1W MINIOVAL-1W R2

Power	36W	12W
Rated voltage	12Vdc +/- 5%	
Chain power consumption	0.36W	0.24W
Colour temperature	6000-7000K	
Luminous flux	41lm	25lm
Flux density	113lm/W	105lm/W
Beam angle	170x130°	
Chain length	50mm	
Module center-center lenght	100pcs   4m	50pcs   2.2m
Dimensions HxWxL	7.6 x 8.5 x 18mm	5 x 10.8 x 21mm
Wire length	24mm	
Quantity per 1 meter	25pcs	
Pcs in bag / box	- / 6000	- / 2800



**Compatible LED controllers:**  
MW-CTR-CCT-6A-02-Rx, MW-CTR-CCT-6A-02-Tx

## Features

- Available colours: white
- Effective lens 170x130°
- Injection mold technology
- For 3D channel letters
- Built-in constant current circuit
- IP67 protection
- Adhesive tape 3M
- 5 years warranty

Typical CRI>70, Higher level project available.

Power supply	-	12W	18W	24W	36W	50W	60W	75W	100W	120W	150W	200W	250W	300W
Number of modules	1W	30	45	60	90	125	150	187	250	300	375	500	625	750
	R2	45	67	90	135	187	225	281	375	450	562	750	937	1 125

## FOR LIGHTBOXES 8-25cm DEPTH

### BoxBack-OVAL-M-W

Power	3W
Rated voltage	24Vdc +/- 5%
Chain power consumption	170W
Colour temperature	5500-7000K
Luminous flux	465lm
Flux density	155lm/W
Beam angle	170°
Chain length	40pcs   16m
Module center-center lenght	395mm
Dimensions HxWxL	6.4 x 15 x 65mm
Wire length	110mm
Quantity per 1 meter	6pcs
Pcs in bag / box	- / 360



**Compatible LED controllers:**  
MW-CTR-CCT-6A-02-Rx, MW-CTR-CCT-6A-02-Tx

## Features

- Available colours: white
- Built-in lens 170°
- Injection mold technology
- For lightboxes 8-25cm depth
- Built-in constant current circuit
- Diodes by Seoul Semiconductor
- IP68 protection
- Adhesive tape 3M
- 7 years warranty

Typical CRI>80, Higher level project available.

Power supply /Zasilacz	12W	18W	24W	36W	50W	60W	75W	100W	120W	150W	200W	250W	300W
Number of modules /Ilość modułów	3	5	7	10	15	18	22	30	36	45	60	75	90

## FOR ONE & DOUBLE-SIDED LIGHTBOXES



### BoxSide-OVAL-S-W

Power	1.32W
Rated voltage	12Vdc +/- 5%
Chain power consumption	52.8W
Color temperature	5500-7000K
Luminous flux	140lm
Flux density	106lm/W
Beam angle	11x40°
Chain length	40pcs   7.2m
Module center-center length	180mm
Dimensions HxWxL	11.3 x 20 x 107mm
Wire length	73mm
Quantity per 1 meter	5pcs
Pcs in bag / box	- / 560



**Compatible LED controllers:**  
MW-CTR-CCT-6A-02-Rx, MW-CTR-CCT-6A-02-Tx

## Features

- Available colors: white
- Innovative optic design 11x40° with arc lens
- Injection mold technology
- For one & double-sided lightboxes
- Built-in constant current circuit
- Phillips Lumileds LED chips
- IP67 protection
- Adhesive tape 3M
- 7 years warranty

Typical CRI>80, Higher level project available.



Power supply	12W	18W	24W	36W	50W	60W	75W	100W	120W	150W	200W	250W	300W
Number of modules	8	12	16	24	34	40	51	68	81	102	136	170	204

## FOR ONE & DOUBLE-SIDED LIGHTBOXES

### BoxSide-OVAL-M-W

Power	3W
Rated voltage	24Vdc +/- 5%
Chain power consumption	120W
Color temperature	5500-7000K
Luminous flux	390lm
Flux density	130lm/W
Beam angle	11x40°
Chain length	40pcs   12m
Module center-center length	300mm
Dimensions HxWxL	16.9 x 32 x 93mm
Wire length	207mm
Quantity per 1 meter	3pcs
Pcs in bag / box	- / 320



**Compatible LED controllers:**  
MW-CTR-CCT-6A-02-Rx, MW-CTR-CCT-6A-02-Tx

## Features

- Available colors: white
- Innovative optic design 11x40° with arc lens
- Injection mold technology
- For one & double-sided lightboxes
- Built-in constant current circuit
- Phillips Lumileds LED chips
- IP67 protection
- Adhesive tape 3M
- 7 years warranty

Typical CRI>80, Higher level project available.



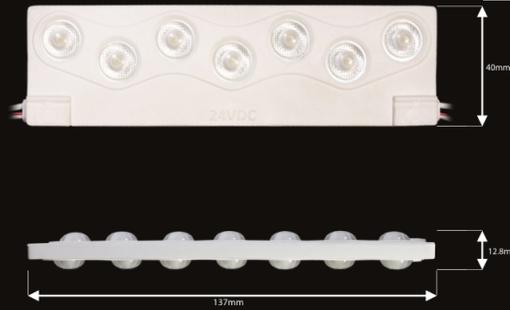
Power supply	12W	18W	24W	36W	50W	60W	75W	100W	120W	150W	200W	250W	300W
Number of modules	3	5	7	10	15	18	22	30	36	45	60	75	90



## FOR DOUBLE-SIDED LIGHTBOXES

### BoxBack-OVAL-Mx2-W

Power	6W
Rated voltage	24Vdc +/- 5%
Chain power consumption	120W
Colour temperature	5500-7000K
Luminous flux	930lm
Flux density	155lm/W
Beam angle	170°
Chain length	20pcs/szt   9m
Module center-center lenght	400mm
Dimensions HxWxL	12 x 40 x 137mm
Wire length	313mm
Quantity per 1 meter	2pcs/szt
Pcs in bag / box	- / 140



**Compatible LED controllers:**  
MW-CTR-CCT-6A-02-Rx, MW-CTR-CCT-6A-02-Tx

## Features

- Available colors: white
- Built-in lens 170°
- Injection mold technology
- For double-sided lightboxes
- Built-in constant current circuit
- Diodes by Seoul Semiconductor
- IP67 protection
- 7 years warranty

Typical CRI>80, Higher level project available.

Power supply	12W	18W	24W	36W	50W	60W	75W	100W	120W	150W	200W	250W	300W
Number of modules	1	2	3	5	7	9	11	15	18	22	30	37	45

## ACCESSORIES FOR BOXBACK-OVAL-MX2

### BoxBack-OVAL-Mx2-MB

#### Description

Mounting bracket for stable mounting of the module BoxBack-OVAL-Mx2 on a BoxBack-OBAL-Mx2-AluP-1,5m rail

### BoxBack-OVAL-Mx2-AluP-1,5m

#### Description

Mounting rail from 150cm length on which the BoxBack-OVAL-Mx2 module can be mounted thanks to the BoxBack-OBAL-Mx2-MB bracket

Model	Photo	Voltage	Max current	Cable type	Diameter of the wire	Working temperature
4S-CONW-I1		300V AC/DC	10A	18-22AWG	0,5-0,35mm <sup>2</sup>	-20°C ~ 85°C
4S-CONW-I2		300V AC/DC	10A	18-22AWG	0,5-0,35mm <sup>2</sup>	-20°C ~ 85°C
4S-CONW-T1		300V AC/DC	10A	18-22AWG	0,5-0,35mm <sup>2</sup>	-20°C ~ 85°C
4S-CONW-T2		300V AC/DC	10A	18-22AWG	0,5-0,35mm <sup>2</sup>	-20°C ~ 85°C
4S-CONWS-8mm		300V AC/DC	10A	18-22AWG	0,5-0,35mm <sup>2</sup>	-20°C ~ 85°C

## FOR ONE & DOUBLE-SIDED LIGHTBOXES

### BoxSide-OVAL-L-W



**Compatible LED controllers:**  
MW-CTR-CCT-6A-02-Rx, MW-CTR-CCT-6A-02-Tx



## Features

- Available colors: white
- Innovative optic design 11x75°
- Injection mold technology
- For one & double-sided lightboxes
- Built-in constant current circuit
- Diodes by Osram LED
- IP67 protection
- Adhesive tape 3M
- 7 years warranty

Typical CRI>80, Higher level project available.

Power	7.2W
Rated voltage	24Vdc +/- 5%
Chain power consumption	115W
Color temperature	5500-7000K
Luminous flux	800lm
Flux density	111lm/W
Beam angle	11x75°
Chain length	16pcs   5.6m
Module center-center length	346mm
Dimensions HxWxL	21.4 x 36 x 175mm
Wire length	175mm
Quantity per 1 meter	3pcs
Pcs in bag / box	- / 112



Power supply	12W	18W	24W	36W	50W	60W	75W	100W	120W	150W	200W	250W	300W
Number of modules	1	2	3	4	6	7	9	12	15	18	25	31	37

## FOR ONE & DOUBLE-SIDED LIGHTBOXES

### RB-3535-6x-LENS10x40

### RB-3535-9x-LENS10x40

Power	12W	18W
Rated voltage	24Vdc +/- 5%	
Chain power consumption	192W	198W
Color temperature	x= W - (6000 - 7000K) x= NW - (4000 - 4500K)	
Luminous flux	960lm	1440lm
Flux density	80lm/W	
Beam angle	10x40°	
Max. chain length	16pcs	11pcs
Dimensions WxL	25.5 x 300mm	25.5 x 450mm
Height	13.6mm	
Quantity per 1 meter	3pcs	2pcs
Pcs in bag / box	- / -	



### RB-3535-6X-LENS10X40

### RB-3535-9X-LENS10X40

## Features

- Available colors: white, neutral white
- Built-in lens 10x40°
- For one & double-sided lightboxes
- Built-in constant current circuit
- Internal radiator for better heating dissipation
- IP33 protection
- 5 years warranty

Typical CRI>70, Higher level project available.



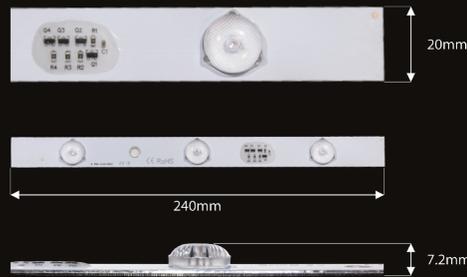
Power supply	-	12W	18W	24W	36W	50W	60W	75W	100W	120W	150W	200W	250W	300W
Number of modules	6x	-	1	1	2	3	4	6	8	9	12	16	20	24
	9x	-	-	1	1	2	3	3	5	6	8	10	13	16

## FOR LIGHTBOXES 4-12cm DEPTH



### RB-3030-3W-LENS170

Power	3.6W
Rated voltage	24Vdc +/- 5%
Chain power consumption	43.2W
Color temperature	6000-8000K
Luminous flux	285lm
Flux density	79lm/W
Beam angle	170°
Max. chain length	12pcs
Dimensions HxWxL	7.2 x 20 x 240mm
Wire length	115mm
Quantity per 1 meter	4pcs
Pcs in bag / box	48 / 480



### Features

- Available colors: white
- Built-in lens 170°
- For lightboxes 4-12cm depth
- Built-in constant current circuit
- Internal radiator for better heating dissipation
- IP20 protection
- 5 years warranty

Typical CRI>70, Higher level project available.

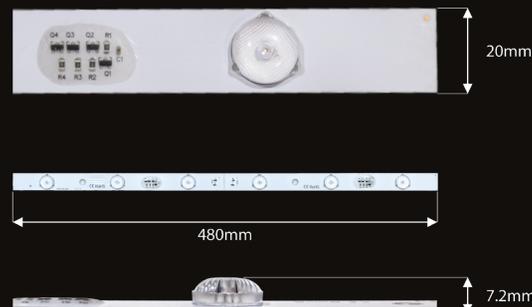


Power supply	12W	18W	24W	36W	50W	60W	75W	100W	120W	150W	200W	250W	300W
Number of modules	3	4	6	9	12	15	18	25	30	37	50	62	75

## FOR LIGHTBOXES 4-12cm DEPTH

### RB-3030-6W-LENS170

Power	7.2W
Rated voltage	24Vdc +/- 5%
Chain power consumption	43.2W
Color temperature	6000-8000K
Luminous flux	575lm
Flux density	77lm/W
Beam angle	170°
Max. chain length	6pcs
Dimensions HxWxL	7.2 x 20 x 480mm
Wire length	117mm
Quantity per 1 meter	2pcs
Pcs in bag / box	24 / 240



### Features

- Available colors: white
- Built-in lens 170°
- For lightboxes 4-12cm depth
- Built-in constant current circuit
- Internal radiator for better heating dissipation
- IP20 protection
- 5 years warranty

Typical CRI>70, Higher level project available.



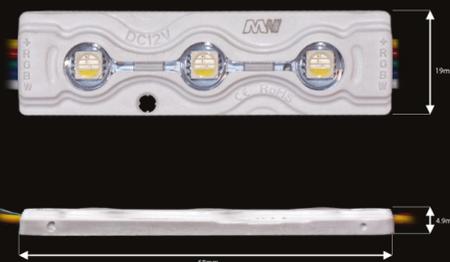
Power supply	12W	18W	24W	36W	50W	60W	75W	100W	120W	150W	200W	250W	300W
Number of modules	1	2	3	4	6	7	9	12	15	18	25	31	37

## FOR LIGHTBOXES 8-25cm DEPTH

### MW-MLD-5050-3RGBW



Power	0.96W
Rated voltage	12Vdc +/- 5%
Chain power consumption	19.2W
Color temperature	RGBW-(R, G, B, 6000-8000K)
Luminous flux	R: 3-4lm, G: 7-9lm, B: 3-3.5lm, W: 18-20lm
Flux density	-
Beam angle	120°
Chain length	20pcs
Module center-center length	175mm
Dimensions HxWxL	4.9 x 19 x 68mm
Wire length	100mm
Quantity per 1 meter	6pcs
Pcs in bag / box	120 / 1440



**Compatible LED controllers:**  
MW-CTR-CCT-6A-02-Rx, MW-CTR-CCT-6A-02-Tx

## Features

- Available colors: red, green, blue, white
- Injection mold technology
- Built-in lens 120°
- For lightboxes 8-25cm depth
- Build-in constant current circuit
- Internal radiator for better heating dissipation
- IP67 protection
- 5 years warranty

Typical CRI>70, Higher level project available.

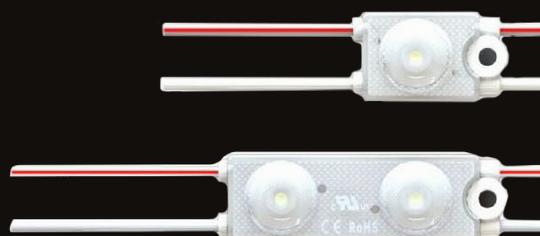


Power supply	12W	18W	24W	36W	50W	60W	75W	100W	120W	150W	200W	250W	300W
Number of modules	11	16	22	33	46	56	70	93	112	140	187	234	281

## FOR LIGHTBOXES 3-15cm DEPTH

### PROLED-1X-CC100, PROLED-2X-CC180 PROLED-3X-CC220

Power	0.36W	0.72W	1.08W
Rated voltage	12Vdc		
Chain power consumption	18W	21.6W	21.6W
Color temperature	x= W- (6500K), x= W1- (7100K) x= NW- (4000K), x= NW- (5000K) x= WW- (3000K)		
Luminous flux x= WW, NW	55lm	110lm	165lm
Luminous flux x= W, W1, NW1	58lm	116lm	174lm
Flux density x= WW, NW	152lm/W		
Flux density x= W, W1, NW1	160lm/W		
Beam angle	175°		
Max. chain length	50pcs	30pcs	20pcs
Dimensions WxLxH	52 x 37 x 26mm		
Quantity per 1 meter	10pcs	6pcs	5pcs
Pcs in box	2800pcs	1400pcs	1000pcs



## Features

- Available colors: white, neutral white
- Internal 175deg lens
- For backup lighting
- Microlens front side design
- Efficiency 160lm/W, Ra>70
- Waterproof IP 67, injection mold
- 7 years warranty

Typical CRI>70, Higher level project available.



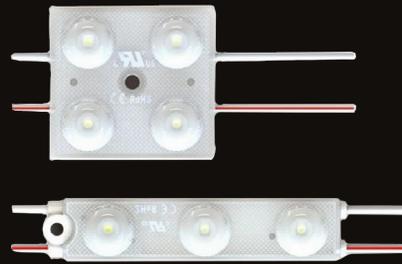
Power supply	-	12W	18W	24W	36W	50W	60W	75W	100W	120W	150W	200W	250W	300W
Number of modules	0.36W	32	48	65	98	136	164	206	275	331	414	553	692	831
	0.72W	15	23	31	48	67	81	102	137	165	206	276	345	415
	1.08W	9	15	20	31	44	53	67	91	109	137	183	229	275

## FOR LIGHTBOXES 3-15cm DEPTH



### PROLED-4X-CC260 PROLED24-3X-CC220

Power	1.44W	1.08W
Rated voltage	12Vdc	24Vdc
Chain power consumption	28.8W	21.6W
Color temperature	x= W- (6500K), x= W1- (7100K) x= NW- (4000K), x= NW- (5000K) x= WW- (3000K)	
Luminous flux x= WW, NW	220lm	165lm
Luminous flux x= W, W1, NW1	232lm	174lm
Flux density x= WW, NW	152lm/W	
Flux density x= W, W1, NW1	160lm/W	
Beam angle	175°	
Max. chain length	20pcs	20pcs
Dimensions WxLxH	52 x 37 x 26mm	
Quantity per 1 meter	10pcs	6pcs
Pcs in box	600pcs	100pcs



## Features

- Available colors: white, neutral white
- Internal 175deg lens
- For backup lighting
- Microlens front side design
- Efficiency 160lm/W, Ra>70
- Waterproof IP 67, injection mold
- 7 years warranty

Typical CRI>70. Higher level project available.



Power supply	-	12W	18W	24W	36W	50W	60W	75W	100W	120W	150W	200W	250W	300W
Number of modules	1.44W	6	11	15	23	33	40	50	67	81	102	137	172	206
	1.08W	9	15	20	31	44	53	67	91	109	137	183	229	275

## FOR LIGHTBOXES 3-15cm DEPTH

### PROLED-MINI-2X-CC070 PROLED-MINI-3X-CC100

Power	0.5W	0.72W
Rated voltage	12Vdc	12Vdc
Chain power consumption	25W	36W
Color temperature	x= W- (6500K), x= W1- (7100K) x= NW- (4000K), x= NW- (5000K) x= WW- (3000K)	
Luminous flux x= WW, NW	72lm	65lm
Luminous flux x= W, W1, NW1	80lm	72lm
Flux density	160lm/W	100lm/W
Beam angle	140°	
Max. chain length	50pcs	50pcs
Dimensions WxLxH	8.3 x 8 x 26.2mm	8.3 x 8 x 31.2mm
Quantity per 1 meter	15pcs	10pcs
Pcs in box	-	-



## Features

- Available colors: white, neutral white
- Internal 175deg lens
- For backup lighting
- Microlens front side design
- Efficiency 160lm/W, Ra>70
- Waterproof IP 67, injection mold
- 7 years warranty

Typical CRI>70. Higher level project available.



Power supply	-	12W	18W	24W	36W	50W	60W	75W	100W	120W	150W	200W	250W	300W
Number of modules	0.5W	22	34	46	70	98	118	148	198	238	298	398	498	598
	0.72W	15	23	31	48	67	81	102	137	164	206	276	345	516

# MW-NS-0612-XX-12V



<b>Power</b>	9W/m	
<b>Rated voltage</b>	12Vdc +/- 5%	
<b>Reel power consumption</b>	45W/5m	
<b>Color temperature</b>	XX= W - white (6000 - 8000K) XX= NW - warm white (4000K) XX= WW - warm white(3000K) XX= R - red XX= G - green XX= B - blue XX= P - pink XX= GY - gold & yellow XX= LY - lemon & yellow XX= IB - pastel blue	
<b>Flux density</b>	320lm/W	
<b>Beam angle</b>	300°	
<b>Cutable</b>	25mm	
<b>Dimensions HxW</b>	6 x 12mm	
<b>Wire length</b>	117mm	
<b>Montage</b>	<b>Plastic clip</b>	MW-NS-0612-MB-PC
	<b>Alu clip</b>	MW-NS-0612-MB-AC
	<b>Linear clips</b>	MW-NS-0612-MB-LIN
<b>End caps</b>	<b>Waterproof</b>	MW-NS-0612-EC-XX-WP
	<b>Waterproof with hole</b>	MW-NS-0612-ECo-XX-WP
	<b>Indoor end cap</b>	MW-NS-0612-EC-XX
<b>Material</b>	Silicone	

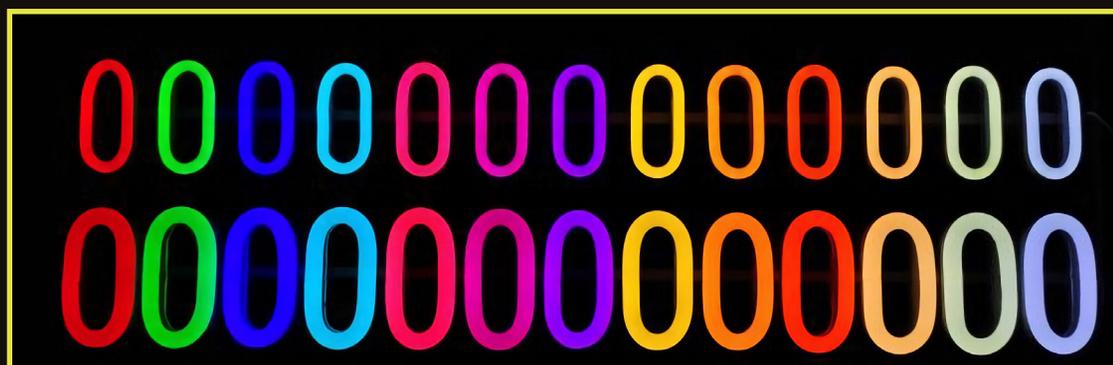


## Features

- Flexible linear decorative light
- Bending 360deg – side and top view
- Typical indoor application
- Connection accessories
- Internal radiator for better heating dissipation
- IP67 protection
- 5 years warranty

Power supply	12W	18W	24W	36W	50W	60W	75W	100W	120W	150W	200W	250W	300W
Number of meters	1	1	2	3	5	6	7	10	12	15	20	25	30

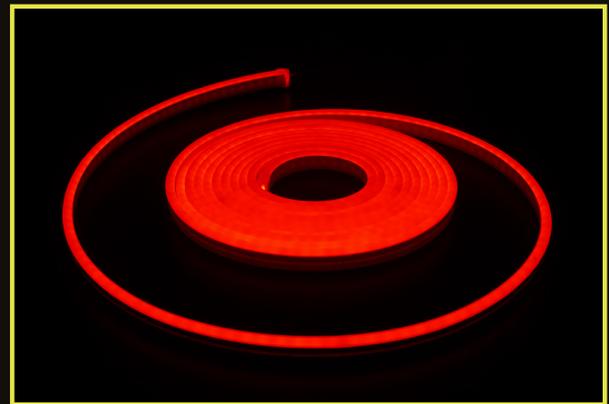
## Colour range



# MW-NS-0816-XX-12V



<b>Power</b>	12W/m	
<b>Rated voltage</b>	12Vdc +/- 5%	
<b>Reel power consumption</b>	60W/5m	
<b>Color temperature</b>	XX= W - white (6000 - 8000K) XX= NW - warm white (4000K) XX= WW - warm white (3000K) XX= R - red XX= G - green XX= B - blue XX= P - pink XX= GY - gold & yellow XX= LY - lemon & yellow XX= IB - pastel blue	
<b>Flux density</b>	350lm/W	
<b>Beam angle</b>	300°	
<b>Cuttable</b>	25mm	
<b>Dimensions HxW</b>	8 x 16mm	
<b>Wire length</b>	150mm	
<b>Montage</b>	<b>Plastic clip</b>	MW-NS-0816-MB-PC
	<b>Alu clip</b>	MW-NS-0816-MB-AC
	<b>Linear clips</b>	MW-NS-0816-MB-LIN
<b>End caps</b>	<b>Waterproof</b>	MW-NS-0816-EC-XX-WP
	<b>Waterproof with hole</b>	MW-NS-0816-EC0-XX-WP
	<b>Indoor end cap</b>	MW-NS-0816-EC-XX
<b>Material</b>	Silicone	

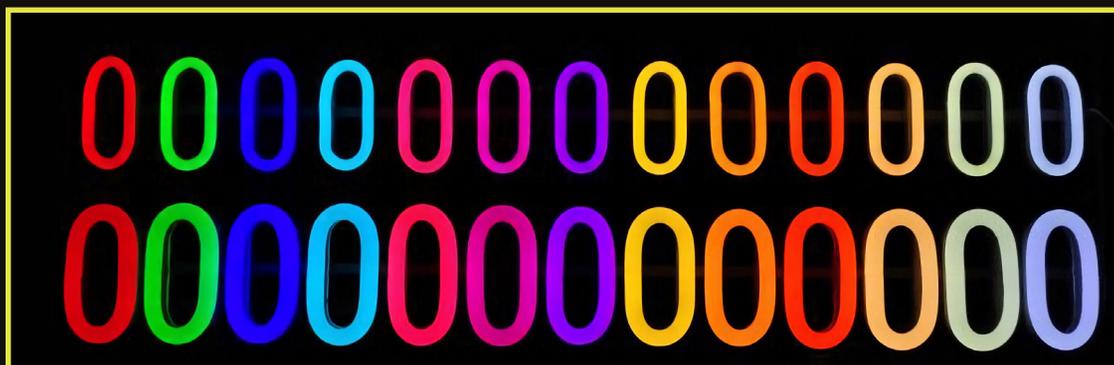


## Features

- Flexible linear decorative light
- Bending 360deg – side and top view
- Typical indoor application
- Connection accessories
- Internal radiator for better heating dissipation
- 5 years warranty

Power supply	12W	18W	24W	36W	50W	60W	75W	100W	120W	150W	200W	250W	300W
Number of meters	-	1	1	2	3	4	5	7	9	11	15	18	22

## Colour range



# HQS-COB



## FEATURES

- Uniform lighting
- Uniform light line and high luminous intensity
- Elastic strap
- Easy installation and maintenance
- 2 years warranty
- Used for indoor lighting

**24VDC**

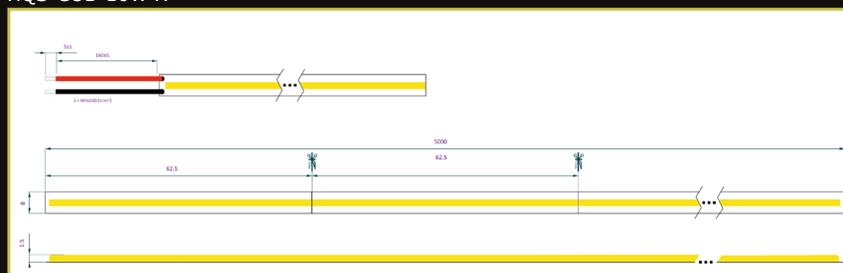
**≥90 CRI[RA]**

**180°**

**CE RoHS**

Model	LED type	Power	Current	Colour temp.	Luminous flux	Width	IP
HQS-COB-10W-W	COB	10W	420mA / m	~6500K	1 200 lm / m	8 mm	33
HQS-COB-10W-NW				~4000K			
HQS-COB-10W-WW				~3000K			

HQS-COB-10W-X



# HQS-3527



## FEATURES

- Can be cut every segment 2.5cm (19.2W/12V), 5cm (19.2W/24V, 9.6W/12V), 10cm (9.6W/24V)
- Enhanced 3527 LEDs
- Easy installation with 3M adhesive tape
- Possibility of color adjustment from WW(2700K) to CW(6500K)
- 2 years warranty

12/24VDC

≥70 CRI[RA]

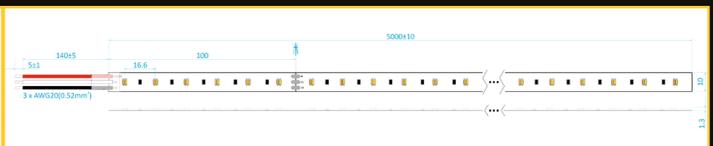
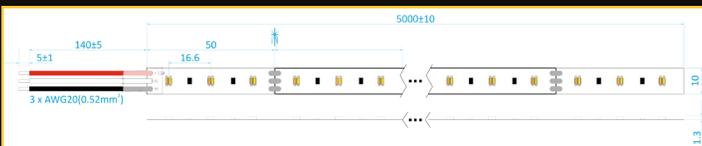
120°

CE RoHS

Model	LED type	Power	Current	Colour temp.	Luminous flux	Width	IP
HQS-3527-60LED-9.6W-WWCW	60 x 3527	9.6W	500mA / m	-2700K - 6500K	1730lm ÷ 1920lm / m	10 mm	33
HQS-3527-60LED-9.6W-WWCW-24V			400mA / m				
HQS-3527-120LED-19.2W-WWCW	120 x 3527	19.2W	1600mA / m				
HQS-3527-120LED-19.2W-WWCW-24V			800mA / m				

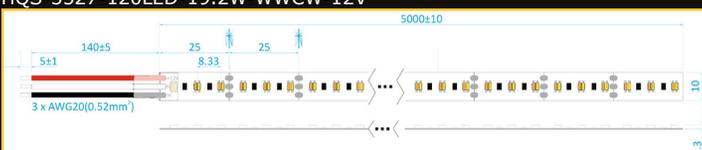
HQS-3527-60LED-9.6W-WWCW-12V

HQS-3527-60LED-9.6W-WWCW-24V

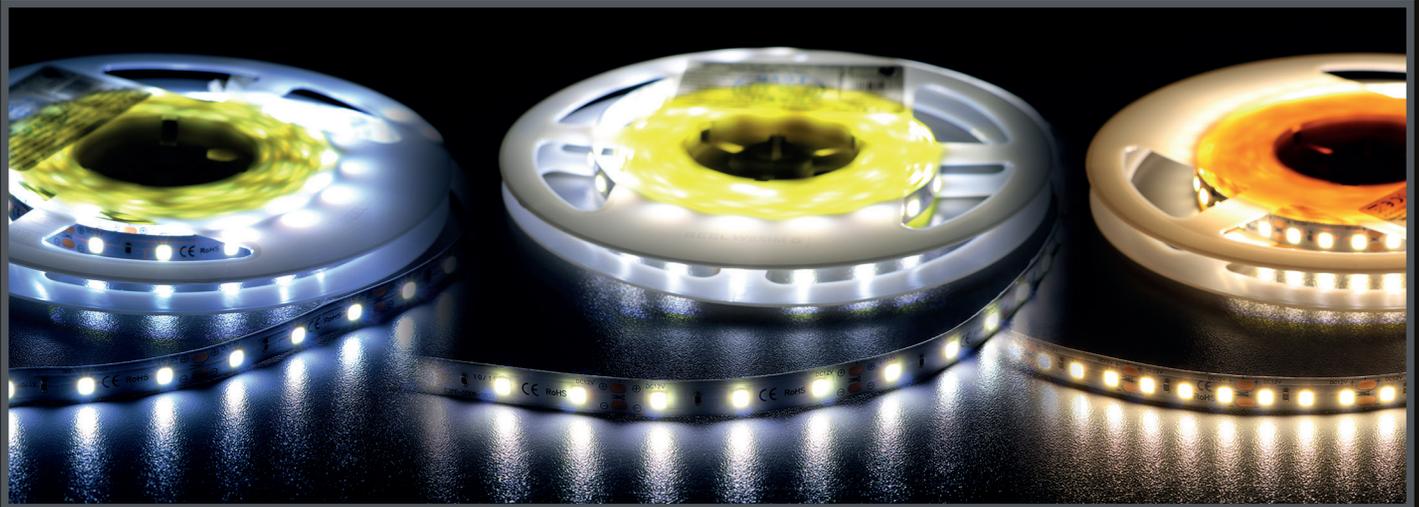


HQS-3527-120LED-19.2W-WWCW-12V

HQS-3527-120LED-19.2W-WWCW-24V



# HQS-2835



## FEATURES

- Double copper layer
- Can be cut every segment 2.5 cm (9.6 W/12 V), 5 cm (6 W/12 V, 12 W/12 V), 10 cm (6 W/24 V, 9.6 W/24 V, 12 W/24 V)
- Each segment with couple pads for secondary operation
- 3 years warranty
- The 3M adhesive 200MP provides exceptional temperature and chemical resistance

12/24VDC

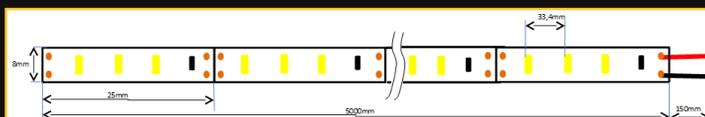
≥70 CRI[RA]

∠120°

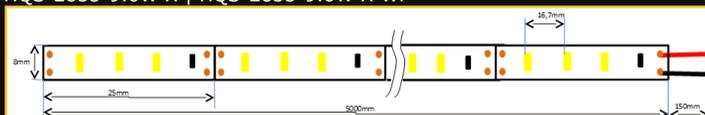
CE RoHS

Model		LED type	Power	Current	Colour temp.	Luminous flux	Width	IP	
HQS-2835-6W-CW	HQS-2835-6W-CW-WP	60 x 2835	6W	0.5A / m	~9000K	480-510 lm/ m	8 mm	33	64
HQS-2835-6W-W	HQS-2835-6W-W-WP				~6500K				
HQS-2835-6W-NW	HQS-2835-6W-NW-WP				~4500K				
HQS-2835-6W-WW	HQS-2835-6W-WW-WP				~3000K				
HQS-2835-9.6W-CW	HQS-2835-9.6W-CW-WP	120 x 2835	9.6W	0.8A / m	~9000K	840-1020 lm/ m	8 mm	33	64
HQS-2835-9.6W-W	HQS-2835-9.6W-W-WP				~6500K				
HQS-2835-9.6W-NW	HQS-2835-9.6W-NW-WP				~4500K				
HQS-2835-9.6W-WW	HQS-2835-9.6W-WW-WP				~3000K				
HQS-2835-12W-CW	HQS-2835-12W-CW-WP	60 x 2835	12W	1A / m	~9000K	1020-1260 lm/ m	10 mm	33	64
HQS-2835-12W-W	HQS-2835-12W-W-WP				~6500K				
HQS-2835-12W-NW	HQS-2835-12W-NW-WP				~4500K				
HQS-2835-12W-WW	HQS-2835-12W-WW-WP				~3000K				

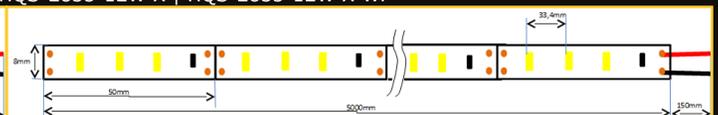
HQS-2835-6W-X | HQS-2835-6W-X-WP



HQS-2835-9.6W-X | HQS-2835-9.6W-X-WP



HQS-2835-12W-X | HQS-2835-12W-X-WP



# HQS-2835



## FEATURES

- Double copper layer
- Can be cut every segment 2.5 cm (9.6 W/12 V), 5 cm (6 W/12 V, 12 W/12 V), 10 cm (6 W/24 V, 9.6 W/24 V, 12 W/24 V)
- Each segment with couple pads for secondary operation
- 3 years warranty
- The 3M adhesive 200MP provides exceptional temperature and chemical resistance

12/24VDC

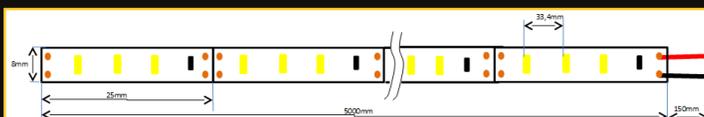
≥70 CRI[RA]

∠ 120°

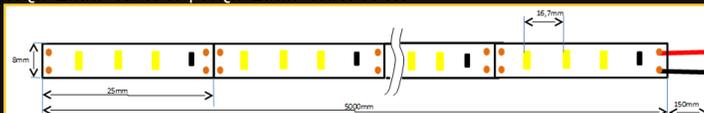
CE RoHS

Model		LED type	Power	Current	Colour temp.	Luminous flux	Width	IP	
HQS-2835-6W-B	HQS-2835-6W-B-WP	60 x 2835	6W	500mA / m	460nm ÷ 470nm	13lm ÷ 16lm	8 mm	33	64
HQS-2835-6W-G	HQS-2835-6W-G-WP				520nm ÷ 530nm	50lm ÷ 62lm			
HQS-2835-6W-R	HQS-2835-6W-R-WP				620nm ÷ 630nm	21lm ÷ 26lm			
HQS-2835-6W-Y	HQS-2835-6W-Y-WP				588nm ÷ 594nm	19lm ÷ 24lm			
HQS-2835-9.6W-B	HQS-2835-9.6W-B-WP	120 x 2835	9.6W	800mA / m	460nm ÷ 470nm	132lm ÷ 168lm	8 mm	33	64
HQS-2835-9.6W-G	HQS-2835-9.6W-G-WP				520nm ÷ 530nm	528lm ÷ 660lm			
HQS-2835-9.6W-R	HQS-2835-9.6W-R-WP				620nm ÷ 630nm	204lm ÷ 252lm			
HQS-2835-9.6W-Y	HQS-2835-9.6W-Y-WP				588nm ÷ 594nm	192lm ÷ 240lm			
HQS-2835-12W-B	HQS-2835-12W-B-WP	60 x 2835	12W	1000mA / m	460nm ÷ 470nm	16.5lm ÷ 20.5lm	10 mm	33	64
HQS-2835-12W-G	HQS-2835-12W-G-WP				520nm ÷ 530nm	50.5lm ÷ 62lm			
HQS-2835-12W-R	HQS-2835-12W-R-WP				620nm ÷ 630nm	27lm ÷ 33.5lm			
HQS-2835-12W-Y	HQS-2835-12W-Y-WP				588nm ÷ 594nm	24lm ÷ 29.5lm			

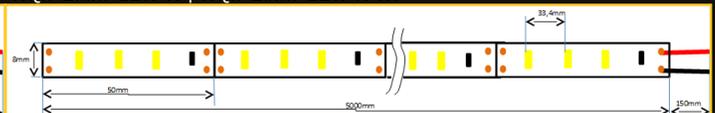
HQS-2835-6W-X | HQS-2835-6W-X-WP



HQS-2835-9.6W-X | HQS-2835-9.6W-X-WP



HQS-2835-12W-X | HQS-2835-12W-X-WP



# HQS-5050



## FEATURES

- 2oz thickness FPC (Flexible Printed Circuit)
- Can be cut every 5 cm segment (3 LEDs in segment)
- Each segment with couple pads for secondary operation
- Enhanced 5050 LEDs
- Easy installation with 3M adhesive tape

12/24VDC

≥70 CRI[RA]

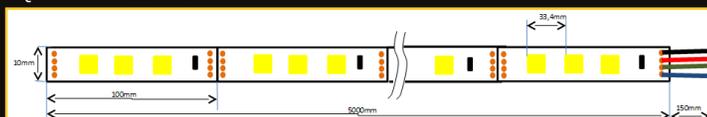
∠ 120°

CE RoHS

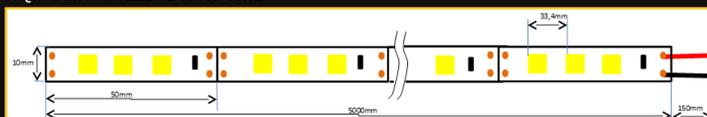
Model	LED type	Power	Current	Colour temp.	Luminous flux	Width	IP
HQS-5050-30LED-7.2W-RGB	30 x 5050	7.2 W	600mA / m	● 60lm ÷ 75lm    ● 210lm ÷ 258lm    ● 36lm ÷ 45lm		10 mm	33
HQS-5050-30LED-7.2W-RGB-24V			300mA / m	● 8.33lm ÷ 10.42lm    ● 29.17lm ÷ 35.84lm    ● 5lm ÷ 6.25lm			
HQS-5050-30LED-7.2W-RGB-24V-WP			300mA / m	● 8.33lm ÷ 10.42lm    ● 29.17lm ÷ 35.84lm    ● 5lm ÷ 6.25lm		12 mm	33
HQS-5050-30LED-7.2W-RGBW-24V*			300mA / m	● 4.17lm ÷ 6.25lm    ● 15.30lm ÷ 20.84lm    ● 5lm ÷ 6.25lm    ● 23.61lm ÷ 29.17lm			
HQS-5050-60LED-14.4W-RGB	60 x 5050	14.4 W	1200mA / m	● 120lm ÷ 150lm    ● 400lm ÷ 480lm    ● 70lm ÷ 90lm		10 mm	33
HQS-5050-60LED-14.4W-RGB-24V			600mA / m	● 6.94lm ÷ 7.98lm    ● 15.3lm ÷ 16.6lm    ● 3.96lm ÷ 4.65lm			
HQS-5050-60LED-14.4W-RGB-WP			1200mA / m	● 6.94lm ÷ 7.98lm    ● 15.3lm ÷ 16.6lm    ● 3.96lm ÷ 4.65lm		12 mm	65
HQS-5050-60LED-19.2W-RGBW-WP*	1600mA / m	● 210lm ÷ 230lm    ● 230lm ÷ 250lm    ● 70lm ÷ 90lm    ● 280lm ÷ 306lm					
HQS-5050-60LED-19.2W-RGBW -WP-24V*	60 x 5050	19.2 W	800mA / m	● 10.94lm ÷ 12lm    ● 12lm ÷ 13lm    ● 3.65lm ÷ 4.70lm    ● 14.58lm ÷ 15.94lm		12 mm	65
HQS-5050-60LED-19.2W-RGBW*			1600mA / m	● 210lm ÷ 230lm    ● 230lm ÷ 250lm    ● 70lm ÷ 90lm    ● 280lm ÷ 306lm			
HQS-5050-60LED-19.2W-RGBW-24V*	60 x 5050	19.2 W	800mA / m	● 32.3lm ÷ 32.8lm    ● 26.5lm ÷ 27.0lm    ● 24lm ÷ 24.5lm    ● ~7 000K		12 mm	33
HQS-5050-60LED-14.4WRGBNW-24V*				● 32.3lm ÷ 32.8lm    ● 26.5lm ÷ 27.0lm    ● 24lm ÷ 24.5lm    ● ~4 000K			
HQS-5050-60LED-14.4WRGBWW-24V*				● 32.3lm ÷ 32.8lm    ● 26.5lm ÷ 27.0lm    ● 24lm ÷ 24.5lm    ● ~3 000K			

\* 30 LED RGB + 30 LED White

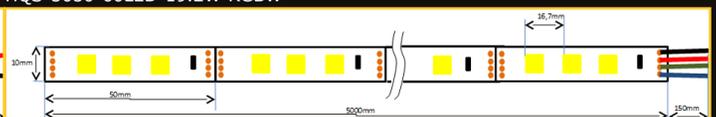
HQS-5050-30LED-7.2W-RGB



HQS-5050-60LED-14.4W-RGB



HQS-5050-60LED-19.2W-RGBW



# UHQ-2835



## FEATURES

- Luminous efficiency up to 160lm/W
- Good color uniformity (Spectroscopic standard ERP, one BIN only)
- Silver-tin pads allow easy soldering and prevent from oxidation
- 3oz pure copper PCB
- 5 years warranty
- Easy installation with sellotape 3M

24VDC

≥90 CRI[RA]

∠115°



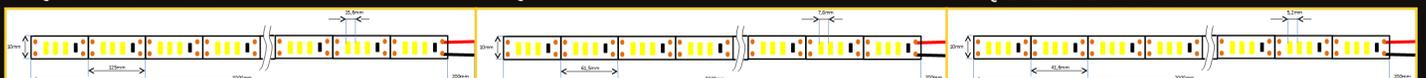
RoHS

Model	LED type	Power	Current	Colour temp.	Luminous flux	Width	IP
UHQ-64LED-6W-W-6kK-C90	64 x 2835	6W	0.25A / m	~6500K	837 lm/m	10mm	20
UHQ-64LED-6W-NW-5kK-C90				~5000K	864 lm/m		
UHQ-64LED-6W-NW-4kK-C90				~4000K	792 lm/m		
UHQ-64LED-6W-WW-3kK-C90				~3000K	778 lm/m		
UHQ-64LED-6W-WW-2k7-C90				~2700K	760 lm/m		
UHQ-64LED-6W-WW-2k4-C90				~2400K	710 lm/m		
UHQ-64LED-6W-WW-2k2-C90				~2200K	545 lm/m		
UHQ-64LED-6W-WW-1k8-C90				~1800K	1674 lm/m		
UHQ-128LED-12W-W-6kK-C90				128 x 2835	12W		
UHQ-128LED-12W-NW-5kK-C90	~5000K	1589 lm/m					
UHQ-128LED-12W-NW-4kK-C90	~4000K	1557 lm/m					
UHQ-128LED-12W-WW-3kK-C90	~3000K	1521 lm/m					
UHQ-128LED-12W-WW-2k7-C90	~2700K	1418 lm/m					
UHQ-128LED-12W-WW-2k4-C90	~2400K	1089 lm/m					
UHQ-128LED-12W-WW-2k2-C90	~2200K	2516 lm/m					
UHQ-128LED-12W-WW-1k8-C90	~1800K	2592 lm/m					
UHQ-192LED-18W-W-6kK-C90	192 x 2835	18W	0.75A / m			~6500K	2385 lm/m
UHQ-192LED-18W-NW-5kK-C90				~5000K	2331 lm/m		
UHQ-192LED-18W-NW-4kK-C90				~4000K	2282 lm/m		
UHQ-192LED-18W-WW-3kK-C90				~3000K	2124 lm/m		
UHQ-192LED-18W-WW-2k7-C90				~2700K	1634 lm/m		
UHQ-192LED-18W-WW-2k4-C90				~2400K			
UHQ-192LED-18W-WW-2k2-C90				~2200K			
UHQ-192LED-18W-WW-1k8-C90				~1800K			

UHQ-64LED-6W-X-C90

UHQ-128LED-12W-X-C90

UHQ-192LED-18W-X-C90



# UHQH-2014



## FEATURES

- High-strength 2014 SMD LED, highly reliable
- ERP system, good color uniformity
- **Extremely high LEDs density - up to 308LED/m**
- Anti-oxidation by silver for bonding pad
- Simple and elegant
- Guaranteeing high quality
- 3 years warranty or 13,000 hours, whichever comes first

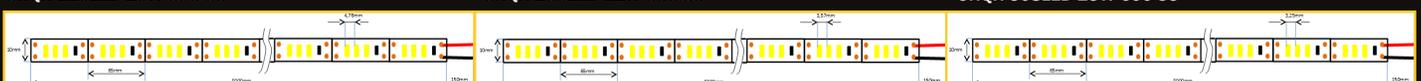
**24VDC**    **≥90 CRI[RA]**    **∠ 115°**    **UL**    **CE**    **RoHS**

Model	LED type	Power	Current	Colour temp.	Luminous flux	Width	IP
UHQH-210LED-16W-C90-S3-W-6kK	210 x 2014	15.8W	0.65A / m	~6500K	1400 lm/m	10mm	20
UHQH-210LED-16W-C90-S3-NW-5kK				~5000K	1440 lm/m		
UHQH-210LED-16W-C90-S3-NW-4kK				~4000K	1325 lm/m		
UHQH-210LED-16W-C90-S3-WW-3kK				~3000K	1295 lm/m		
UHQH-210LED-16W-C90-S3-WW-2k7				~2700K	1265 lm/m		
UHQH-210LED-16W-C90-S3-WW-2k4				~2400K	1180 lm/m		
UHQH-210LED-16W-C90-S3-WW-2k2				~2200K	910 lm/m		
UHQH-210LED-16W-C90-S3-WW-1k8				~1800K	1830 lm/m		
UHQH-280LED-21W-C90-S3-W-6kK	280 x 2014	21W	0.87A / m	~6500K	1890 lm/m		
UHQH-280LED-21W-C90-S3-NW-5kK				~5000K	1740 lm/m		
UHQH-280LED-21W-C90-S3-NW-4kK				~4000K	1700 lm/m		
UHQH-280LED-21W-C90-S3-WW-3kK				~3000K	1660 lm/m		
UHQH-280LED-21W-C90-S3-WW-2k7				~2700K	1550 lm/m		
UHQH-280LED-21W-C90-S3-WW-2k4				~2400K	1550 lm/m		
UHQH-280LED-21W-C90-S3-WW-2k2				~2200K	1190 lm/m		
UHQH-280LED-21W-C90-S3-WW-1k8				~1800K	2010 lm/m		
UHQH-308LED-23W-C90-S3-W-6kK	308 x 2014	23.2 W	0.96A / m	~6500K	2070 lm/m		
UHQH-308LED-23W-C90-S3-NW-5kK				~5000K	1900 lm/m		
UHQH-308LED-23W-C90-S3-NW-4kK				~4000K	1860 lm/m		
UHQH-308LED-23W-C90-S3-WW-3kK				~3000K	1820 lm/m		
UHQH-308LED-23W-C90-S3-WW-2k7				~2700K	1700 lm/m		
UHQH-308LED-23W-C90-S3-WW-2k4				~2400K	1700 lm/m		
UHQH-308LED-23W-C90-S3-WW-2k2				~2200K	1300 lm/m		
UHQH-308LED-23W-C90-S3-WW-1k8				~1800K	1300 lm/m		

UHQH-210LED-16W-C90-S3

UHQH-280LED-21W-C90-S3

UHQH-308LED-23W-C90-S3



# UHQD-2835



## FEATURES

- Luminous efficiency up to 83lm/W
- ERP system, good colour uniformity
- Anti-oxidation by silver for bonding pad
- 3oz pure copper PCB
- Easy installation with 3M adhesive tape
- 3 years or 13,000 hours, whichever comes first

24VDC

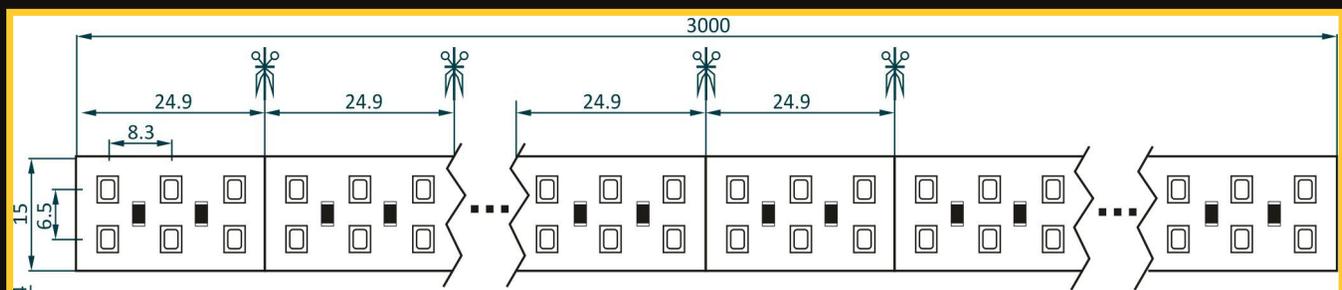
≥90 CRI[RA]

115°



RoHS

Model	LED type	Power	Current	Colour temp.	Luminous flux	Width	IP
UHQD-240LED-28W-C90-S5-W-6kK	240 x 2835	28W	1.16A / m	~6500K	2580 lm/m	15mm	20
UHQD-240LED-28W-C90-S5-NW-5kK				~5000K			
UHQD-240LED-28W-C90-S5-NW-4kK				~4000K			
UHQD-240LED-28W-C90-S5-WW-3kK				~3000K			
UHQD-240LED-28W-C90-S5-WW-2k7				~2700K			
UHQD-240LED-28W-C90-S5-WW-2k4				~2400K			
UHQD-240LED-28W-C90-S5-WW-2k2				~2200K			
UHQD-240LED-28W-C90-S5-WW-1k8				~1800K			



# LED Accessories



## Professional LED strips connector **4S-CON**



### FEATURES

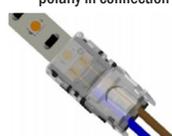
- For LED Strip 8mm or 10mm connection
- For fine LED Strip with wire connection
- Estetic design
- Latch system
- No-soldering system
- Galvanic connection

Photo	MODEL	PCB	Strip type	Junction type
	4S-CON-WS-8mm	8mm	non-waterproof	strip + wire
	4S-CON-SS-8mm	8mm	non-waterproof	strip + strip
	4S-CON-WS-10mm	10mm	non-waterproof	strip + wire
	4S-CON-SS-10mm	10mm	non-waterproof	strip + strip
	4S-CON-WS-10mm-DUAL	10mm	non-waterproof dual-colour	strip + wire
	4S-CON-WS-10mm-RGB	10mm	non-waterproof	strip + wire
	4S-CON-WS-12mm-RGBW	12mm	non-waterproof	strip + wire
	4S-CON-SS-10mm-DUAL	10mm	non-waterproof dual-colour	strip + strip
	4S-CON-SS-10mm-RGB	10mm	non-waterproof	strip + strip
	4S-CON-SS-12mm-RGBW	12mm	non-waterproof	strip + strip
	4S-CON-WS-8mm-WP	8mm	gel waterproof	strip + wire
	4S-CON-WS-10mm-WP	10mm	gel waterproof	strip + wire
	4S-CON-WS-10mm-RGB-WP	10mm	gel waterproof	strip + wire
	4S-CON-WS-12mm-RGBW-WP	10mm	gel waterproof	strip + wire

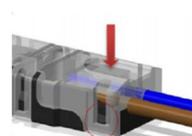
Cut the wires, do not remove the isolation



Make sure about „+“ and „-“ polarity in connection



Squeeze connector to using pliers with one fast move



Ready!





## Compression fittings for connecting LED strips **CLICK**



### FEATURES

- Suitable for MW LIGHTING LED strips
- Clamp connection
- Perfect for joining lengths of tapes
- Possibility to make turns and crossings
- Versions with and without cable
- Special versions for gel tapes (-WP)

Photo	MODEL	PCB	Strip type	Junction type	Wire length
	CLICK-8A	8mm	non-waterproof	single side + wire	10cm
	CLICK-8B	8mm	non-waterproof	double side	none
	CLICK-8C	8mm	non-waterproof	double side + wire	10cm
	CLICK-8A-WP	8mm	gel waterproof	single side + wire	10cm
	CLICK-8B-WP	8mm	gel waterproof	double side	none
	CLICK-8C-WP	8mm	gel waterproof	double side + wire	10cm
	CLICK-8L	8mm	non-waterproof	90deg curve	none
	CLICK-8T	8mm	non-waterproof	3-way connection	none
	CLICK-8X	8mm	non-waterproof	4-way connection	none
	CLICK-10A	8mm	non-waterproof	single side + wire	10cm
	CLICK-10B	8mm	non-waterproof	double side	none
	CLICK-10C	8mm	non-waterproof	double side + wire	10cm
	CLICK-10A-WP	10mm	gel waterproof	single side + wire	10cm
	CLICK-10B-WP	10mm	gel waterproof	double side	none



## Compression fittings for connecting LED strips **CLICK**

### FEATURES

- Suitable for MW LIGHTING LED strips
- Clamp connection
- Perfect for joining lengths of tapes
- Possibility to make turns and crossings
- Versions with and without cable
- Special versions for gel tapes (-WP)

MODEL	PCB	Strip type	Junction type	Wire length
CLICK-10C-WP	10mm	gel waterproof	double side + wire	10cm
CLICK-10L	10mm	non-waterproof	90deg curve	none
CLICK-10T	10mm	non-waterproof	3-way connection	none
CLICK-10X	10mm	non-waterproof	4-way connection	none
CLICK-10A-RGB	10mm	non-waterproof	single side + wire	10cm
CLICK-10B-RGB	10mm	non-waterproof	double side	none
CLICK-10C-RGB	10mm	non-waterproof	double side + wire	10cm
CLICK-10L-RGB	10mm	non-waterproof	90deg curve	none
CLICK-10T-RGB	10mm	non-waterproof	3-way connection	none
CLICK-10X-RGB	10mm	non-waterproof	4-way connection	none
4S-CONWP-2-WH-SET	2-pin	non-waterproof	Wire-Wire (up to 300V)	20cm + 20cm
4S-CONWP-4-BL-SET	4-pin	non-waterproof	Wire-Wire (up to 300V)	20cm + 20cm
CONT-8L	8mm	non-waterproof	90deg curve	none
CONT-8T	8mm	non-waterproof	3-way connection	none
CONT-10L	10mm	non-waterproof	90deg curve	none
CONT-10T	10mm	non-waterproof	3-way connection	none



## Driver for led strips and led modules **MW-CRT**



### FEATURES

- Control of 12V or 24V RGB LEDs with common anode
- Cooperation with RGB LED strips and RGB LED modules
- RF radio transmission
- Low power consumption
- 24 months warranty
- Operation with signal amplifiers
- PWM type output
- Easy to connect using screw connectors

Photo	MODEL	Voltage	Strip type	Output	Max power	Control
	MW-CTR-LUNA230-1SS1C	230V	batteryless remote	1 Single Switch 1 single controller	1000W res 200W ind	RF 433MHz
	MW-CTR-LUNA230-2SS1C	230V	batteryless remote	2 Single Switch 1 single controller	1000W res 200W ind	RF 433MHz
	MW-CTR-LUNA230-1DS2C	230V	batteryless remote	1 Double Switch 1 single controller	1000W res 200W ind	RF 433MHz
	MW-CTR-LUNA230-1SS	-	batteryless remote	1 Single Switch	-	RF 433MHz
	MW-CTR-LUNA230-1DS	-	batteryless remote	1 Double Switch	-	RF 433MHz
	MW-CTR-LUNA230-1C	230V	-	1 single controller	1000W res 200W ind	RF 433MHz
	MW-CTR-RGB-2A-01	12V	RGB	3x2A	72W	IR
	MW-CTR-RGB-4A-01	12V/24V	RGB	3x4A	12V: 144W 24V: 288W	RF
	MW-CTR-RGB-8A-01	12V/24V	RGB	3x8A	12V: 288W 24V: 576W	RF
	MW-CTR-RGB-6A-01	12V/24V	RGB	3x6A	„12V: 216W 24V: 432W“	RF
	MW-CTR-RGB-4A-02	12V/24V	RGB	3x4A	„12V: 144W 24V: 288W“	RF

# LED Accessories



## Driver for led strips and led modules MW-CRT and E-CONTROL



### FEATURES

- Control of 12V or 24V RGB LEDs with common anode
- Cooperation with RGB LED strips and RGB LED modules
- RF radio transmission
- Low power consumption
- 24 months warranty
- Operation with signal amplifiers
- PWM type output
- Easy to connect using screw connectors

Photo	MODEL	Voltage	Strip type	Output	Max power	Control
	MW-CTR-RGB-4A-Panel	12V/24V	RGB	3x4A	12V: 144W 24V: 288W	RF + manual
	MW-CTR-RGB-4A-Panel-Eco	12V/24V	RGB	3x4A	12V: 144W 24V: 288W	manual
	MW-CTR-RGB-6A-02	12V/24V	RGB	3x6A	12V: 216W 24V: 432W	RF
	MW-CTR-CCT-6A-02-Tx	12V/24V	SINGLE / DUAL	none	none	RF
	MW-CTR-CCT-6A-02-Rx	12V/24V	SINGLE / DUAL	2x6A	single: 12V: 72W 24V: 144W dual: 12V: 120W 24V: 240W	RF
	MW-CTR-RGBW-6A-TX-01	12V/24V	RGBW	none	none	RF
	MW-CTR-RGBW-6A-RX-01	12V/24V	RGBW	4x6A	12V: 288W 24V: 576W	RF
	MW-CTR-RGB-AMP-4A-01	12V/24V	RGB	3x4A	12V: 144W 24V: 288W	none
	MW-CTR-RGB-AMP-8A-01	12V/24V	RGB	3x8A	12V: 288W 24V: 576W	none
	MW-CTR-MONO-8A-01	12V/24V	SINGLE	1x8A	12V: 96W 24V: 192W	RF
	MW-CTR-MONO-8A-02	12V/24V	SINGLE	1x8A	12V: 96W 24V: 192W	RF + manual

# LED Accessories



Driver for led strips and led modules

## HE-WD and HE-WZ

### FEATURES HE-WDL & HE-WZB

- Mounting in the aluminium profile for LED strips
- Allows to switch on and off
- Touch sensitive
- For connecting LED strips
- Brightening and dimming (HE-WDLS series)
- Proximity (non-contact) (HE-WZBLS-1)
- Proximity (non-contact) - infrared (HE-WZBLS-2-IR)

### FEATURES HE-WDP & HE-WDP-IR

- Used for sliding doors and hinged doors to automatically switch on lighting
- Allows switching on and off
- Mechanical contact (HE-WDP)
- Monostable contact
- Electronic contact (HE-WDP-IR)
- Flush-mounted sensor (HE-WDP-xB-IR)
- Surface sensor (HE-WDP-xA-IR)



Photo	MODEL	Voltage	Strip type	Output	Max power	Control
	HE-WDL-1	12Vdc	MONO	1x 5A	60W	TOUCH
	HE-WDL-2	12Vdc	MONO	1x 5A	60W	TOUCH
	HE-WDLS-3	12Vdc 24Vdc	MONO	1x10A	120W 120W	TOUCH
	HE-WDLS-4	12Vdc 24Vdc	MONO	1x8A	96W 192W	TOUCH
	HE-WZBLS-1	12Vdc 24Vdc	MONO	1x8A	96W 192W	Move sensor
	HE-WZBLS-2-IR	12Vdc 24Vdc	MONO	1x8A	96W 192W	Move sensor
	HE-WDP-M1 black	230Vac	SINGLE/DUAL RGB/RGBW	2A	500W	TOUCH click
	HE-WDP-M1 white	230Vac	SINGLE/DUAL RGB/RGBW	2A	500W	TOUCH click
	HE-WDP-M2 black	230Vac	SINGLE/DUAL RGB/RGBW	2A	500W	TOUCH click
	HE-WDP-M2 white	230Vac	SINGLE/DUAL RGB/RGBW	2A	500W	TOUCH click
	HE-WDP-4A-IR	12Vdc	MONO	1x 2,5A	30W	MOVE (surface sensor)
	HE-WDP-4B-IR	12Vdc	MONO	1x 2,5A	30W	MOVE (surface sensor)
	HE-WDP-5A-IR	12Vdc	MONO	1x 2,5A	30W	MOVE (surface sensor)
	HE-WDP-5B-IR	12Vdc	MONO	1x 2,5A	30W	MOVE (surface sensor)

# LED Accessories



Driver for led strips and led modules

## HE-WUN, HE-WZB, HE-WDS, HE-WBL



### FEATURES HE-WUN & HE-WZB

- Use in furniture lighting
- Universal type
- 2in1 switch (monostable and bistable)
- With or without JSTM plug and socket (HE-WUN)
- For connecting LED strips and lights
- Easy snap-on connection (HE-WUN)
- Works with infrared (IR waves)

### FEATURES HE-WDS, HE-WBL

- Used for furniture lighting
- Electronic contact
- Bistable contact
- Recessed sensor
- Infrared control IR
- Allows you to darken and lighten (HE-WDS)

Photo	MODEL	Voltage	Strip type	Output	Max power	Control
	HE-WUN-1-IR (black case)	12Vdc	MONO	1x 5A	60W	MOVE
	HE-WUN-1-IR-WH (white case)	12Vdc	MONO	1x 5A	60W	MOVE
	HE-WZB-2C-IR	230Vac	MONO	1A	250W	MOVE
	HE-WZB-4A-IR	12Vdc	MONO	1x 2,5A	30W	MOVE (surface sensor)
	HE-WZB-4B-IR	12Vdc	MONO	1x 2,5A	30W	MOVE (recessed sensor)
	HE-WDS-1 alu	12Vdc	MONO	1x 1,5A	18W	TOUCH
	HE-WDS-1 black	12Vdc	MONO	1x 1,5A	18W	TOUCH
	HE-WDS-2max	12Vdc	MONO	1x 5A	60W	TOUCH
	HE-WDS-3	12Vdc	MONO	1x 4A	48W	TOUCH
	HE-WBL-3 (for MDF 18mm)	12Vdc	MONO	1x 5A	60W	TOUCH
	HE-WBLS-4 (for MDF 18mm)	12Vdc	MONO	1x 5A	60W	TOUCH

# LED Accessories



## Driver for led strips and led modules **HE-WP, HE-WN, HE-WK**



### **FEATURES** HE-WP-1 & HE-WN-315

- Allows switching on and off
- Mechanical contact
- Bistable contact

### **FEATURES** HE-WK-MR2

- Allows switching on and off
- Mechanical contact
- Bistable contact
- Four colours: white, grey, brown, black

Photo	MODEL	Voltage	Color	Output	Max power	Control
	HE-WP-1 black	230Vac	Black	1x 2A	500W	MANUAL
	HE-WP-1 white	230Vac	White	1x 2A	500W	MANUAL
	HE-WN-315 black	230Vac	Black	1x 2A	500W	MANUAL
	HE-WN-315 white	230Vac	White	1x 2A	500W	MANUAL
	HE-WN-315 gold	230Vac	Gold	1x 2A	500W	MANUAL
	HE-WK-MR2 (R13) black	230Vac	Black	1x 8A	1600W	MANUAL
	HE-WK-MR2 (R13) white	230Vac	White	1x 8A	1600W	MANUAL
	HE-WK-MR2 (R13) grey	230Vac	Grey	1x 8A	1600W	MANUAL
	HE-WK-MR2 (R13) brown	230Vac	Brown	1x 8A	1600W	MANUAL



SERIES PROFILE

## AL12-GLS1-xxxx

xxxx - means available lengths 1000, 2020, 3000, 4150

AVAILABLE COLOURS: SILVER, WHITE, BLACK

MATERIAL: ALUMINIUM

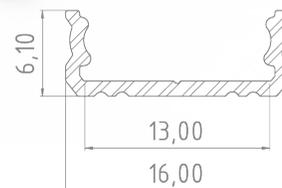
APPLICATION: STANDARD CORNER

LED STRIP WIDTH: UP TO 12 MM

LENGTHS

PRIMARY: 2020MM

ADDITIONALLY: 1000MM, 3000MM, 4150MM



SERIES PROFILE

## AL12-GLS2-xxxx

xxxx - means available lengths 1000, 2020, 3000, 4150

AVAILABLE COLOURS: SILVER, WHITE, BLACK

MATERIAL: ALUMINIUM

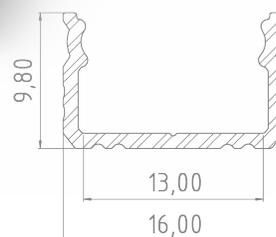
APPLICATION: STANDARD CORNER

LED STRIP WIDTH: UP TO 12 MM

LENGTHS

PRIMARY: 2020MM

ADDITIONALLY: 1000MM, 3000MM, 4150MM



SERIES PROFILE

## AL12-GLS3-xxxx

xxxx - means available lengths 1000, 2020, 3000, 4150

AVAILABLE COLOURS: SILVER, WHITE, BLACK

MATERIAL: ALUMINIUM

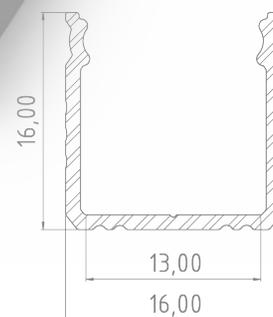
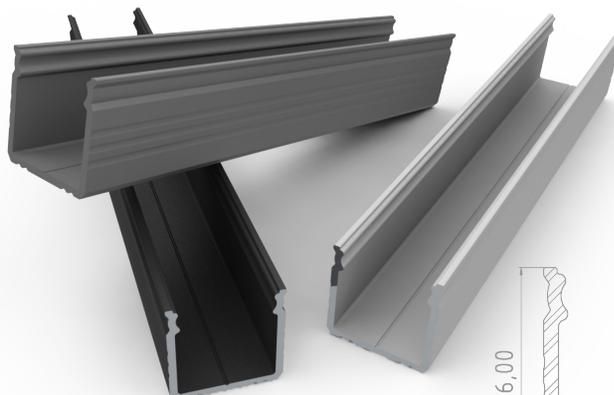
APPLICATION: FOR METAL STORE SHELVES  
SURFACE

LED STRIP WIDTH: UP TO 12 MM

LENGTHS

PRIMARY: 2020MM

ADDITIONALLY: 1000MM, 3000MM, 4150MM





## FOR AL12-GLS SERIES **END-CAPS**

Model	Color	Photo
AL12-GLS1-AB-EC-SET10*	Black	
AL12-GLS1-AB-EC-SET50**		
AL12-GLS1-AS-EC-SET10*	Grey	
AL12-GLS1-AS-EC-SET50**		
AL12-GLS1-LW-EC-SET10*	White	
AL12-GLS1-LW-EC-SET50**		
AL12-GLS2-AB-EC-SET10*	Black	
AL12-GLS2-AB-EC-SET50**		
AL12-GLS2-AS-EC-SET10*	Grey	
AL12-GLS2-AS-EC-SET50**		
AL12-GLS2-LW-EC-SET10*	White	
AL12-GLS2-LW-EC-SET50**		
AL12-GLS3-AB-EC-SET10*	Black	
AL12-GLS3-AB-EC-SET50**		
AL12-GLS3-AS-EC-SET10*	Grey	
AL12-GLS3-AS-EC-SET50**		
AL12-GLS3-LW-EC-SET10*	White	
AL12-GLS3-LW-EC-SET50**		

\***SET10** - for max 10 profile GLS Series (10x end caps with hole + 10x full end caps)

\*\***SET50** - for max 50 profile GLS Series (50x end caps with hole + 50x full end caps)

## FOR AL12-GLS1 & AL12-GLS2 SERIES **MOUNTING BRACKETS**

Model	Color	Photo
AL12-GLS-MB01-P-SET10*	Plastic Transparent	
AL12-GLS-MB01-P-SET50**		
AL12-GLS-MB01-P-AB-SET10*	Plastic Black	
AL12-GLS-MB01-P-AB-SET50**		
AL12-GLS-MB01-P-LW-SET10*	Plastic White	
AL12-GLS-MB01-P-LW-SET50**		
AL12-GLS-MB01-P-AS-SET10*	Plastic Grey	
AL12-GLS-MB01-P-AS-SET50**		
AL12-GLS-MB03-M-SET10*	Metal Metalic	
AL12-GLS-MB03-M-SET50**		

## FOR AL12-GLS3 SERIES **MOUNTING BRACKETS**

Model	Color	Photo
AL12-GLS3-MB-P-SET10*	Plastic Transparent	
AL12-GLS3-MB-P-SET50**		
AL12-GLS3-MB-AB-P-SET10*	Plastic Black	
AL12-GLS3-MB-AB-P-SET50**		
AL12-GLS3-MB-LW-P-SET10*	Plastic White	
AL12-GLS3-MB-LW-P-SET50**		
AL12-GLS3-MB-AS-P-SET10*	Plastic Grey	
AL12-GLS3-MB-AS-P-SET50**		

\***SET10** - set of 10 pcs of clips, 10 pcs of PZ1 3x16mm screws

\*\***SET50** - set of 50 pcs of clips, 50 pcs of PZ1 3x16mm screws



SERIES PROFILE

## AL12-GLG1-xxxx

xxxx - means available lengths 1000, 2020, 3000, 4150

AVAILABLE COLOURS: **SILVER, WHITE, BLACK**

MATERIAL: **ALUMINIUM**

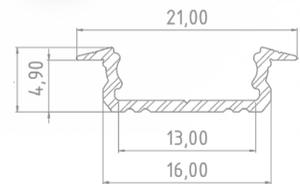
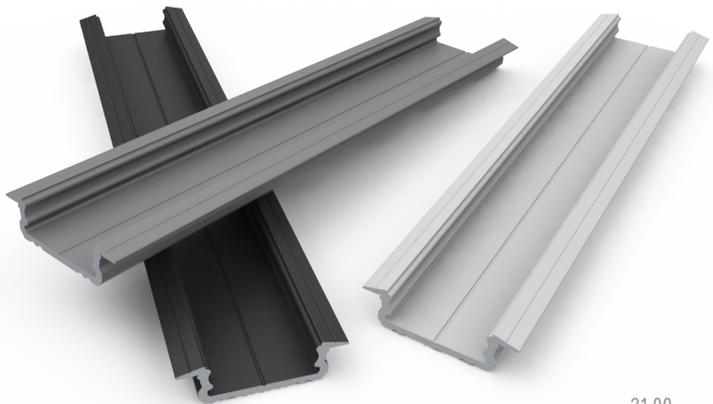
APPLICATION: **GROOVE, RECESSED TILES**

LED STRIP WIDTH: **UP TO 12 MM**

LENGTHS

PRIMARY: **2020MM**

ADDITIONALLY: **1000MM, 3000MM, 4150MM**



SERIES PROFILE

## AL12-GLG2-xxxx

xxxx - means available lengths 1000, 2020, 3000, 4150

AVAILABLE COLOURS: **SILVER, WHITE, BLACK**

MATERIAL: **ALUMINIUM**

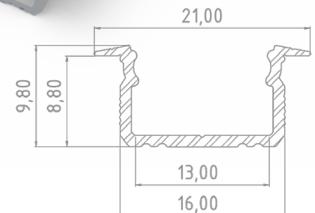
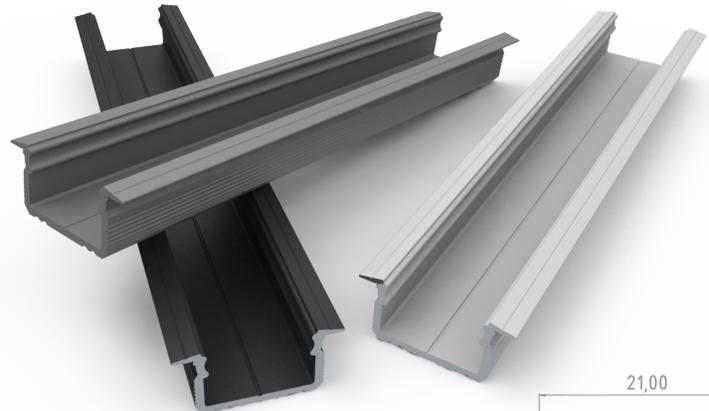
APPLICATION: **GROOVE, RECESSED TILES**

LED STRIP WIDTH: **UP TO 12 MM**

LENGTHS

PRIMARY: **2020MM**

ADDITIONALLY: **1000MM, 3000MM, 4150MM**



SERIES PROFILE

## AL12-GLG3-xxxx

xxxx - means available lengths 1000, 2020, 3000, 4150

AVAILABLE COLOURS: **SILVER, WHITE, BLACK**

MATERIAL: **ALUMINIUM**

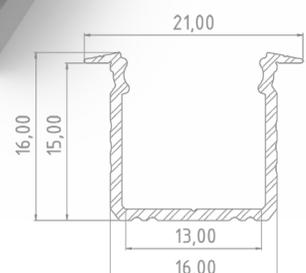
APPLICATION: **GROOVE, RECESSED TILES**

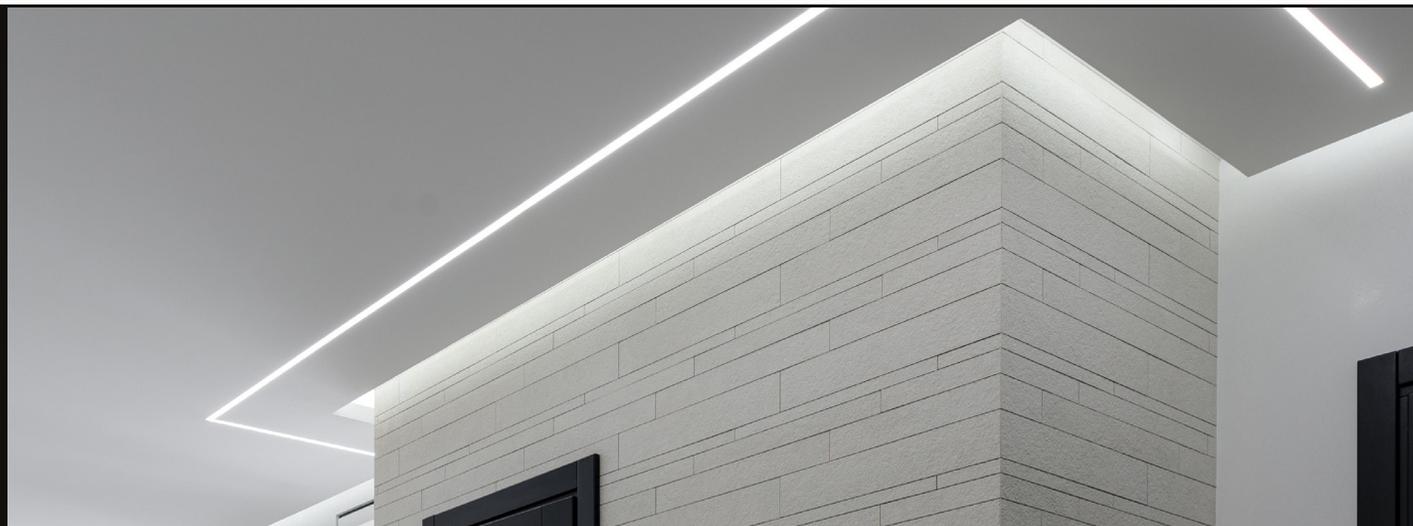
LED STRIP WIDTH: **UP TO 12 MM**

LENGTHS

PRIMARY: **2020MM**

ADDITIONALLY: **1000MM, 3000MM, 4150MM**





FOR AL12-GLG SERIES  
**END-CAPS**

Model	Color	Photo
AL12-GLG1-AB-EC-SET10*	Black	
AL12-GLG1-AB-EC-SET50**		
AL12-GLG1-AS-EC-SET10*	Grey	
AL12-GLG1-AS-EC-SET50**		
AL12-GLG1-LW-EC-SET10*	White	
AL12-GLG1-LW-EC-SET50**		
AL12-GLG2-AB-EC-SET10*	Black	
AL12-GLG2-AB-EC-SET50**		
AL12-GLG2-AS-EC-SET10*	Grey	
AL12-GLG2-AS-EC-SET50**		
AL12-GLG2-LW-EC-SET10*	White	
AL12-GLG2-LW-EC-SET50**		
AL12-GLG3-AB-EC-SET10*	Black	
AL12-GLG3-AB-EC-SET50**		
AL12-GLG3-AS-EC-SET10*	Grey	
AL12-GLG3-AS-EC-SET50**		
AL12-GLG3-LW-EC-SET10*	White	
AL12-GLG3-LW-EC-SET50**		

\***SET10** - for max 10 profile GLG Series (10x end caps with hole + 10x full end caps)

\*\***SET50** - for max 50 profile GLG Series (50x end caps with hole + 50x full end caps)

# CORNER PROFILES FOR METAL SHELVES SURFACE PROFILES FOR METAL SHELVES



**GLALU**  
GLOBAL LEADER ALUMINIUM

## SERIES PROFILE **AL12-GLC1-xxxx**

xxxx - means available lengths 1000, 2020, 3000, 4150

AVAILABLE COLOURS: **SILVER, WHITE, BLACK**

MATERIAL: **ALUMINIUM**

APPLICATION: **STANDARD CORNER**

LED STRIP WIDTH: **UP TO 12 MM**

LENGTHS

PRIMARY: **2020MM**

ADDITIONALLY: **1000MM, 3000MM, 4150MM**

## SERIES PROFILE **AL12-GLC2-xxxx**

xxxx - means available lengths 1000, 2020, 3000, 4150

AVAILABLE COLOURS: **SILVER, WHITE, BLACK**

MATERIAL: **ALUMINIUM**

APPLICATION: **STANDARD CORNER**

LED STRIP WIDTH: **UP TO 12 MM**

LENGTHS

PRIMARY: **2020MM**

ADDITIONALLY: **1000MM, 3000MM, 4150MM**

## SERIES PROFILE **AL12-GLM-xxxx**

xxxx - means available lengths 1000, 2020, 3000, 4150

AVAILABLE COLOURS: **SILVER, WHITE, BLACK**

MATERIAL: **ALUMINIUM**

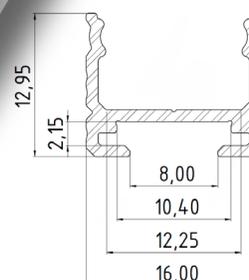
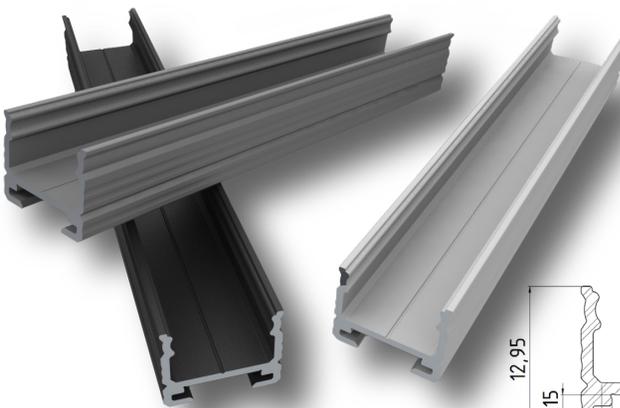
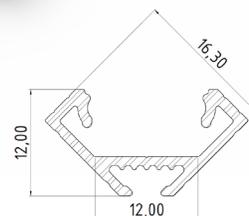
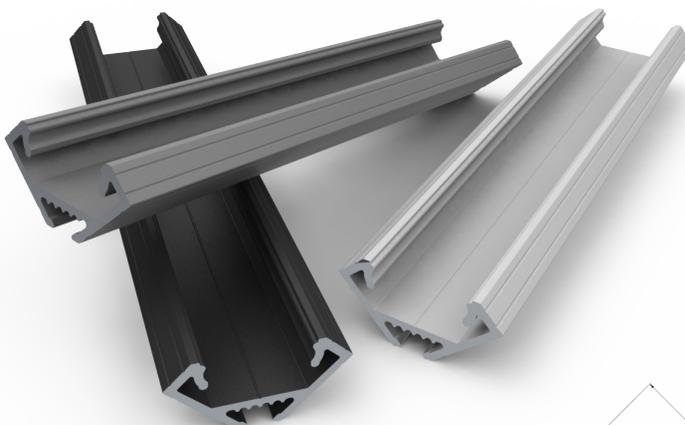
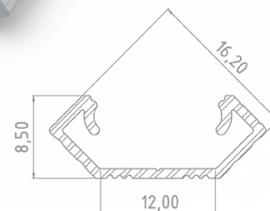
APPLICATION: **FOR METAL STORE SHELVES  
SURFACE**

LED STRIP WIDTH: **UP TO 12 MM**

LENGTHS

PRIMARY: **2020MM**

ADDITIONALLY: **1000MM, 3000MM, 4150MM**





## FOR AL12-GLC SERIES END-CAPS

Model	Color	Photo
AL12-GLC1-AB-EC-SET50	Black	
AL12-GLC1-AB-EC-SET100		
AL12-GLC1-AS-EC-SET50	Grey	
AL12-GLC1-AS-EC-SET100		
AL12-GLC1-LW-EC-SET50	White	
AL12-GLC1-LW-EC-SET100		

**\*SET10** - for max 10 profile GLS Series (10x end caps with hole + 10x full end caps)

**\*\*SET50** - for max 50 profile GLS Series (50x end caps with hole + 50x full end caps)

## FOR AL12-GLC MOUNTING BRACKETS

Model	Color	Photo
AL12-GLC-MB02-P-SET10*	Plastic Transparent	
AL12-GLC-MB02-P-SET50**		
AL12-GLC-MB02-AB-P-SET10*	Plastic Black	
AL12-GLC-MB02-AB-P-SET50**		
AL12-GLC-MB02-LW-P-SET10*	Plastic White	
AL12-GLC-MB02-LW-P-SET50**		
AL12-GLC-MB02-AS-P-SET10*	Plastic Grey	
AL12-GLC-MB02-AS-P-SET50**		

**\*SET10** - set of 10 pcs of clips, 10 pcs of PZ1 3x16mm screws

**\*SET50** - set of 50 pcs of clips, 50 pcs of PZ1 3x16mm screws



## PC COVERS

**AL12-COV-TR-PC**.....  
COLOR: **TRANSPARENT**  
PERMEABILITY: **96%**

**AL12-COV-FR-PC**.....  
COLOR: **TRANSPARENT FROST**  
PERMEABILITY: **95%**

**AL12-COV-OP-PC**.....  
COLOR: **OPAL MILKY**  
PERMEABILITY: **92%**

**AL12-COV-ML-PC**.....  
COLOR: **MILK**  
PERMEABILITY: **64%**

**AL12-COV-BL-PC**.....  
COLOR: **BLACK**  
PERMEABILITY: **11%**

## PVC COVERS

**AL12-COV-TR-PVC**  
COLOR: **TRANSPARENT**  
PERMEABILITY: **86%**

**AL12-COV-ML-PVC**  
COLOR: **MILK**  
PERMEABILITY: **42%**

COVER SELECTION TABLE FOR DIFFERENT LED STRIP POWER COMSUMPTION:

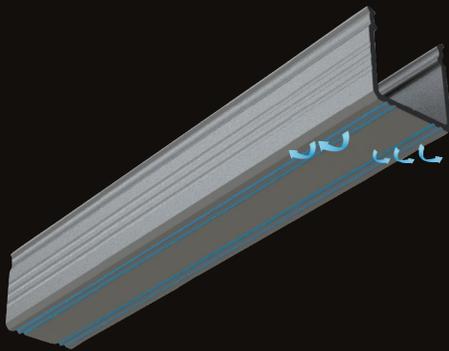
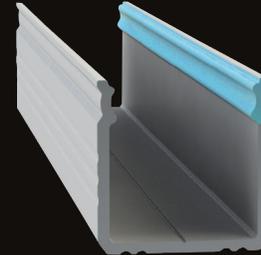
	LED strip max 6W/m		LED strip max 9,6W/m		LED strip max 12W/m		LED strip max 18W/m	LED strip max 24W/m
GLS1	PC	PVC*	PC		PC		---	---
GLS2	PC	PVC**	PC		PC		PC	---
GLS3	PC	PVC**	PC	PVC*	PC	PVC*	PC	PC
GLG1	PC	PVC*	PC		PC		---	---
GLG2	PC	PVC**	PC		PC		PC	---
GLG3	PC	PVC**	PC	PVC*	PC	PVC*	PC	PC
GLC1	PC	PVC**	PC		PC		PC	---
GLM	PC	PVC**	PC		PC		PC	---

\*MAX 3H/DAY | \*\*MAX 6H/DAY



## EASY COVER ASSEMBLY

Thanks to the use of a semi-circular cover slot, the installation is trouble-free, and disassembly does not damage the cover.

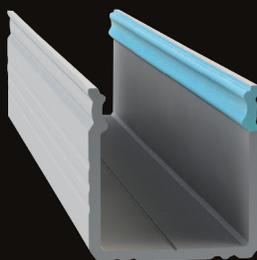
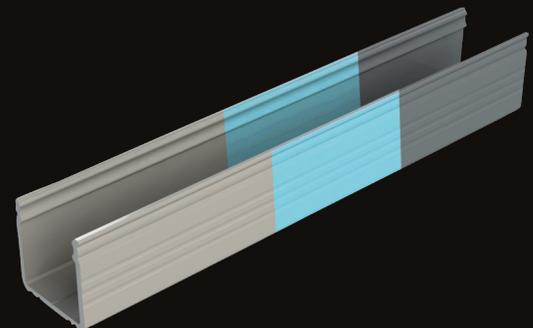


## HEAT DISSIPATION

The ribbed base provides much more efficient heat dissipation than in traditional profiles.

## PAINT

In addition to anodized profiles (silver, inox stainless steel, black), in the case of wholesale orders, it is possible to order powder coated profiles in any color from the RAL palette.

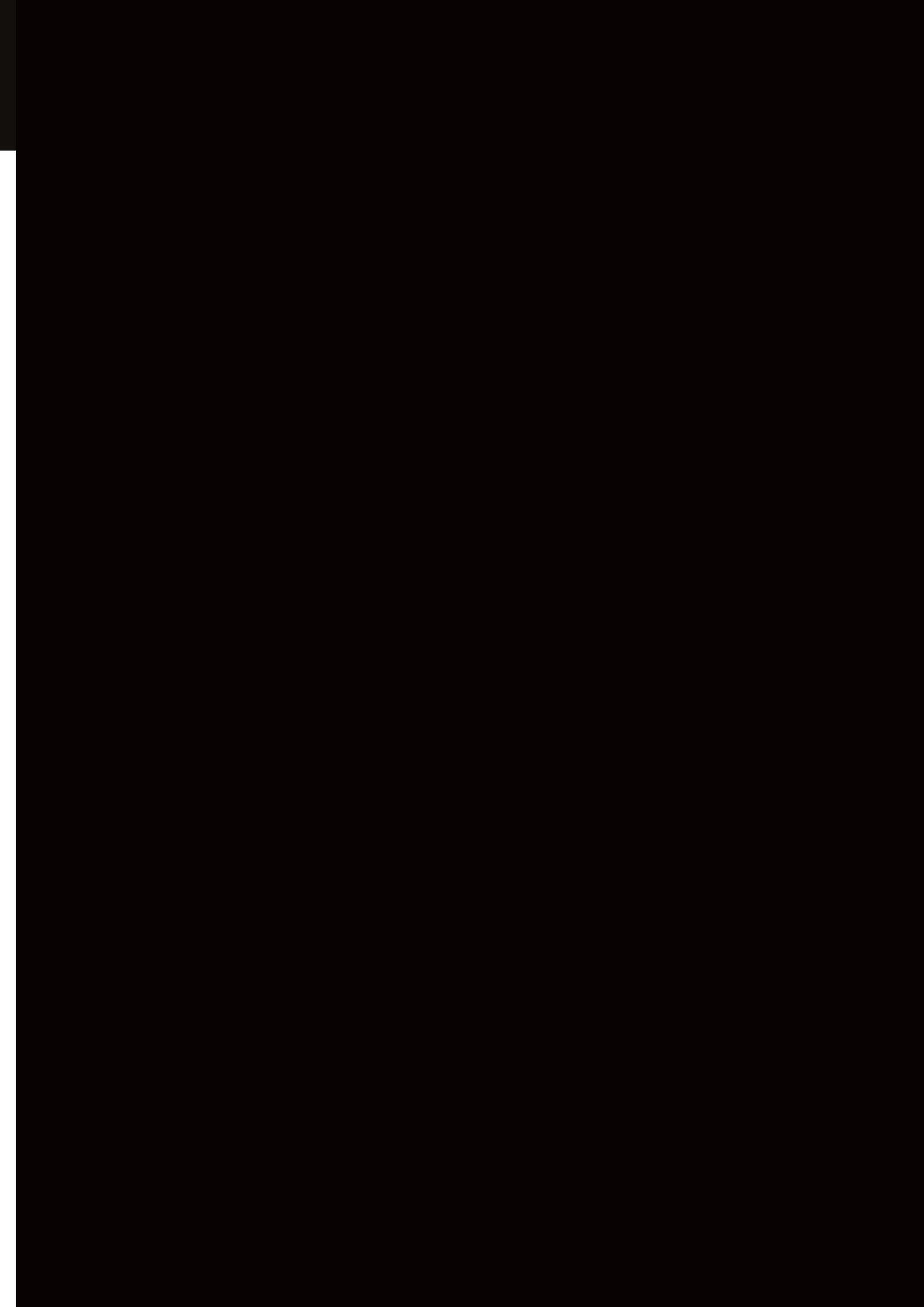


## EVEN MORE LIGHT

The innovative way we have developed of mounting the diffuser ensures maximum use of the space inside the profile. Thanks to this, we have minimised the diffraction phenomenon, leaving the light with significantly more space

# Notes





www.mplgroup.pl



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phone: +48 32 44 00 950

***The main Group warehouses***

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st. Poligonowa 21, 44-251 Rybnik

**WE OFFER AS WELL:**

- Security Power Supplies
- LED Modules
- LED Accessories
- LED Light Sources
- Converters
- UPS
- Batteries
- Battery Pack
- Air Conditioners
- Renewable Energy
- Ready Set: profile, tape connector, cable, power supply, controller, remote control

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