

WAKE

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NEW BRANCH IN ZABRZE



MPL GROUP

BRANDS

PRODUCT CATALOGUE:

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



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!



We are laureate
of the prestigious
Forbes Diamonds
2022 award



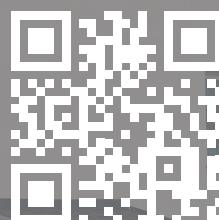
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www.glpower.eu



www.pospower.pl



www.mwpower.pl



www.mwlighting.pl



www.glalu.pl

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Your excellent partner in business



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.



Your reliable supplier



GPV

12–200 W waterproof (IP67)



GLP
GLOBAL LEADER POWER

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



○ **IP67** **SELV**

	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			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			140 x 32 x 25 mm	0.20 kg							
	12 V	2 A	24 W												
	15 V	1.33 A	20 W												
	24 V	1 A	24 W												
GPV-35	5 V	6 A	30 W	short circuit, over current, over voltage			148 x 32 x 28 mm	0.20 kg							
	12 V	3 A	36 W												
	15 V	2.4 A													
	24 V	1.5 A													
	36 V	1 A													
GPV-50	12 V	4.2 A	50.4 W	short circuit, over current, over voltage, over temperature			148 x 40 x 34 mm	0.34 kg							
	24 V	2.1 A													
GPV-60	5 V	8 A	50 W	short circuit, over current, over voltage			162 x 42 x 33 mm	0.39 kg							
	12 V	5 A	60 W												
	15 V	4 A													
	24 V	2.5 A													
	36 V	1.67 A													
GPV-75	12 V	6 A	72 W	short circuit, over current, over voltage			162 x 42 x 33 mm	0.38 kg							
	24 V	3 A													
GPV-100	12 V	8.3 A	99.6 W	short circuit, over current, over voltage			187 x 52 x 37 mm	0.62 kg							
	24 V	4.2 A	100.8 W												
	36 V	2.8 A													
GPV-120	12 V	10 A	120 W	short circuit, over current, over voltage, over temperature			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			203 x 70 x 45 mm	1.15 kg							
GPV-150	24 V	6 A	144 W												
GPV-200	12 V	16 A	192 W				203 x 70 x 45 mm	1.15 kg							
	24 V	8.3 A	200 W												

GV6

75-350W waterproof (IP67)



GLP
GLOBAL LEADER POWER

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			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			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			175.5 x 67.2 x 37 mm		
	36 V	0~5.60 A						
GV6-240	24 V	0~10.00 A	240W			193.5 x 67.2 x 37 mm		
	36 V	0~6.70 A						
GV6-320	12 V	0~26.70 A	320W			224.5 x 96.8 x 41.8 mm		
	24 V	0~13.40 A						
	36 V	0~8.90 A						
	48 V	0~6.70 A						
GV6-350	12 V	0~14.60 A	350W					
	24 V	0~9.80 A						
	36 V	0~7.30 A						

GLSV

35-320 W waterproof (IP67)



GLP
GLOBAL LEADER POWER

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



	Output voltage	Output current	Output power	Protections	Safety & EMC regulations	Working temperature	Dimensions (L x W x H)	Weight
GLSV-035B	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	EN 55015, EN61000-3-2	-40°C – +70°C	199 x 42.5 x 34 mm	510 ± 50g
GLSV-050B	12 V 24 V 36 V 48 V	4.17 A 2.10 A 1.40 A 1.05 A	50 W					
GLSV-075B	12 V 24 V 36 V 48 V	6.25 A 3.13 A 2.08 A 1.56 A	75 W			-40°C – +60°C	164 x 68 x 39 mm	680 ± 50g
GLSV-100B	12 V 24 V 36 V 48 V	8.33 A 4.17 A 2.78 A 2.08 A	100 W				178 x 68 x 39 mm	775 ± 50g
GLSV-150B	12 V 24 V 36 V 48 V	12.50 A 6.25 A 4.17 A 3.13 A	150 W				207 x 68 x 39 mm	900 ± 50g
GLSV-200B	12 V 24 V 36 V 48 V	16.67 A 8.33 A 5.56 A 4.17 A	200 W			-40°C – +60°C	(12,24v)232 x 68 x 43.5 mm	1350 ± 100g
GLSV-320B	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	1750 ± 100g

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				
GLG-60	12 V	5 A	60 W	short circuit, over current, over voltage	EN 55015, 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										
GLG-100	12 V	8.5 A	102 W	short circuit, over current, over voltage, over temperature		-30°C – +70°C	216 x 66 x 40 mm	0.95 kg				
	24 V	4.2 A	100.8 W									
GLG-150	12 V	12.5 A	150 W				221 x 70 x 45 mm	1.15 kg				
	24 V	6.3 A	151.2 W									
GLG-200	12 V	16.6 A	199.2 W				242 x 96 x 50 mm	1.80 kg				
	24 V	8.33 A	199.92 W									
GLG-300	12 V	25 A	300 W				285 x 96 x 50 mm	2.20 kg				
	24 V	12.5 A										

GPVP

double isolation cables

25-120 W waterproof (IP67)


GLP
GLOBAL LEADER POWER
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	<i>EN 55015, EN61347-1, EN61347-2-13</i>	-30°C – +70°C	138 x 42.5 x 34 mm	0.36 kg		
	24 V	1 A					149 x 32 x 28 mm	0.23 kg		
GPVP-40	12 V	3.5 A	36 W	short circuit, over current			162 x 42 x 33 mm	0.40 kg		
	24 V	1.7 A					190 x 63 x 38 mm	0.39 kg		
GPVP-60N	12 V	5 A	60 W	short circuit, over current, over voltage			250 x 70 x 45 mm	1.05 kg		
	24 V	2.5 A								
GPVP-90	12 V	7.5 A	90 W	short circuit, overload over current, over voltage						
	24 V	3.75 A								
GPVP-120	12 V	10 A	120 W	short circuit, over current, over voltage, over temperature						
	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	<i>EN 55015, EN61347-2-13</i>	-30°C – +70°C	129.5 x 25 x 20 mm	0.13 kg
	2~12 V	700 mA					140 x 32 x 25 mm	0.20 kg
GPC-20	9~48 V	350 mA	16.8 W	short circuit	<i>EN 55015, EN61347-2-13</i>	-30°C – +70°C	149 x 32 x 28 mm	0.25 kg
	3~28 V	700 mA	19.6 W				162 x 42 x 33 mm	0.36 kg
GPC-35	30~80 V	350 mA	28 W		<i>EN 55015, EN61347-2-13</i>	-30°C – +70°C		
	9~48 V	700 mA	33.6 W					
	9~30 V	1050 mA	31.5 W					
	9~24 V	1400 mA	33.6 W					
GPC-60	12~60 V	1050 mA	63 W					
	9~42 V	1400 mA	58.8 W					
	9~36 V	1750 mA	63 W					

**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												
	12 ~ 24 V	1400 mA												
GPCP-60	40 ~ 80 V	700 mA	56 W	short circuit, over current	EN 55015, EN61347-1, EN61347-2-13	-30°C ~ +70°C	162 x 42 x 33 mm	0.40 kg						
	30 ~ 60 V	1050 mA	63 W											
	24 ~ 47 V	1250 mA	58.8 W											
	20 ~ 42 V	1400 mA												
	18 ~ 36 V	1750 mA	63 W											
	16 ~ 30 V	2100 mA												
GPCP-100	32 ~ 64 V	1400 mA	89.6W	short circuit, over current, over voltage, over temperature										

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



□ F M M 110 CE SELV

	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)



GLP
GLOBAL LEADER POWER

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					
GPF-25D	44 ~ 72 V	350 mA	25.2 W	short circuit, over current, over voltage, over temperature	EN 55015, 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											
GPF-40D	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											
GPF-60D	40 ~ 80 V	700 mA	56 W	short circuit, over current	EN 55015, EN61347-2-13, EN61000-3-2 Class C	-30°C - +70°C	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		
AGV-12	12 V	1 A	12 W	short circuit, over current, over voltage, over temperature	EN 55015, EN 61547	-10°C - +70°C	90 x 40 x 23.5 mm	0.88 kg		
		1.33 A	15.96 W							
AGC-12	9-39 V	350 mA	12.6 W	short circuit, over temperature			110 x 45 x 24 mm	0.88 kg		
		350 mA	16.8 W							
AGC-16	18-48 V	350 mA	25 W					0.90 kg		
AGC-25	25-50 V	500 mA	25 W					0.170 kg		

GTPC-S

30-100 W (IP20)



GLP
GLOBAL LEADER POWER

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



□ ⊖ ⊙ △ M M CE △¹¹⁰ SELV

	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					251 x 30 x 16.5 mm	0.13 kg
GTPC-45-S	12 V	3.75 A	36 W	short circuit, over voltage, overload	EN 55015, EN61347-2-13, EN61000-3-2 Class C	-20°C - +50°C	305 x 30 x 17 mm	0.16 kg
	24 V	1.90A					320 x 30 x 18.2 mm	0.17 kg
GTPC-60-S	12 V	5.00A	60 W	short circuit, over voltage, overload	EN 55015, EN61347-2-13, EN61000-3-2 Class C	-20°C - +45°C	335 x 30 x21.5 mm	-
	24 V	2.50 A					360 x 32.1 x 22.5 mm	-
GTPC-75-S	12 V	6.25 A	75 W	short circuit, over voltage, overload	EN 55015, EN61347-2-13, EN61000-3-2 Class C	-20°C - +50°C	305 x 30 x 17 mm	0.16 kg
GTPC-100-S	12 V	8.34 A					320 x 30 x 18.2 mm	0.17 kg
GTPC-150-S	12 V	11A	132W	short circuit, over voltage, overload	EN 55015, EN61347-2-13, EN61000-3-2 Class C	-20°C - +45°C	335 x 30 x21.5 mm	-
	24 V	6.25A	175W				360 x 32.1 x 22.5 mm	-
GTPC-200-S	24V	8.33A	199.92W	short circuit, over voltage, overload	EN 55015, EN61347-2-13, EN61000-3-2 Class C	-20°C - +45°C	360 x 32.1 x 22.5 mm	-
GTPC-240-S	24V	10A	270W				360 x 32.1 x 22.5 mm	-

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



⊖ IP67 △ M M CE △¹¹⁰ SELV L, C

	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
		8.3 A	200 W				249 x 72 x 40 mm

GTPC-D 25-100 W (IP20)



GLP
GLOBAL LEADER POWER

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			
GTPC-25-D	12 V	2.08 A	25 W	short circuit, over voltage, overload	EN 55015, EN61347-2-13, EN61000-3-2	-20°C - +50°C	122 x 52 x 30 mm	0.11 kg			
	24 V	1.04 A					166 x 52 x 32 mm	0.24 kg			
GTPC-50-D	12 V	4.16 A	50 W				210 x 67 x 34 mm	0.36 kg			
	24 V	2.08A									
GTPC-100-D	12 V	8.30A	100 W								
	24 V	4.20 A									

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					
MRS-15-03-H	3.3 V	3.0 A	9.9 W	short circuit, over voltage, over current,	EN55032, 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					
MRS-15-05-H	5 V	5.0 A	15 W										
MRS-15-12-H	12 V	1.3 A	15.6 W										
MRS-15-15-H	15 V	1.0 A	15 W										
MRS-15-24-H	24 V	0.625 A											
MRS-15-48-H	48 V	0.32 A	15.36 W										
MRS-25-03-H	3.3 V	6.0 A	19.8 W	short circuit, over voltage, over current,	EN55032, EN55035, EN62368-1, EN61000-3-3, EN61000-3-2	-30°C ÷ 70°C (Refer to Temp. Derating Curve)	80 x 55 x 25 mm	0.115 kg					
MRS-25-05-H	5 V	5.0 A	25 W										
MRS-25-12-H	12 V	2.1 A	25.2 W										
MRS-25-15-H	15 V	1.7 A	25.5 W										
MRS-25-24-H	24 V	1.1 A	26.4 W										
MRS-25-48-H	48 V	0.57 A	27.36 W										

MRS-U

35-158 W (IP20)



GLP
GLOBAL LEADER POWER

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,	EN55032 , 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,	EN55032 , 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,	EN55032 , 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,	EN55032 , 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										
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,	EN55032 , 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											
MRS-150-36-U	36 V	4.3 A											
MRS-150-48-U	48 V	3.3 A	158.4 W										

MRS-S

300-350 W (IP20)



GLP
GLOBAL LEADER POWER

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
MRS-350-05-S	5 V	60 A	300 W	short circuit, over voltage, over current, over temperature	EN55032 , EN55035, EN62368-1, EN60335-1	-30°C ÷ 70 °C (Refer to Temp. Derating Curve)	215 x 115 x 30 mm	0.7 kg
MRS-350-12-S	12 V	29 A	348 W					
MRS-350-15-S	15 V	23.2 A	348 W					
MRS-350-24-S	24 V	14.6 A	350.4 W					
MRS-350-36-S	36 V	9.7 A	349.2 W					
MRS-350-48-S	48 V	7.3 A	350.4 W					

DL2

10-28W (IP20)

Features:

- Universal AC input / Full range: 85 – 264VAC and 120 – 370VDC
- High Dielectric Strength: IN/OUT up to 4000VAC
- Protections: Over current / Short circuit / Over Voltage / Over temperature (only DL2-150)
- Over-voltage category OVC III (designed to meet EN61558-1)
- Isolation class II design
- Designed to install on TS35x7.5/TS35x15 Din Rail
- Up to 3 years warranty



	DC voltage	Rated current	Rated power	Protections	Safety & EMC regulations	Working temperature	Dimensions (L x W x H)	Weight
DL2-15-05-U	5 V	2.40 A	12 W	short circuit, over voltage, over current,	EN55032 , EN55035, EN61000-3-3, EN61000-3-2	-40°C ÷ 70°C (Refer to Temp. Derating Curve)	90 x 17.5 x 58 mm	0.06 kg
DL2-15-12-U	12 V	1.25 A	15 W					
DL2-15-15-U	15 V	1.00 A	15 W					
DL2-15-24-U	24 V	0.63 A	15.12 W					
DL2-15-48-U	48 V	0.32 A	15.36 W					
DL2-30-05-U	5 V	3.00 A	15 W					
DL2-30-12-U	12 V	2.00 A	24 W					
DL2-30-15-U	15 V	2.00 A	30 W					
DL2-30-24-U	24 V	1.50 A	36 W					
DL2-30-48-U	48 V	0.75 A	36 W					
DL2-60-05-U	5 V	6.50 A	32.5 W					
DL2-60-12-U	12 V	4.50 A	54 W					
DL2-60-15-U	15 V	4.00 A	60 W					
DL2-60-24-U	24 V	2.50 A	60 W					
DL2-60-48-U	48 V	1.25 A	60 W					
DL2-100-12-U	12 V	7.50 A	90 W	short circuit, over voltage, over current, over temperature	EN55032 , EN55035, EN61000-3-3, EN61000-3-2	-30°C ÷ 70°C (Refer to Temp. Derating Curve)	92.66 x 52 x 58 mm	0.175 kg
DL2-100-15-U	15 V	6.50 A	97.5 W					
DL2-100-24-U	24 V	4.20 A	100.8 W					
DL2-100-48-U	48 V	2.10 A	100.8 W					
DL2-150-12-U (100-120VAC)	12 V	10.17 A	122.04 W					
DL2-150-15-U (100-120VAC)	15 V	8.55 A	128.25 W	short circuit, over voltage, over current, over temperature	EN55032 , EN55035, EN61000-3-3, EN61000-3-2	-30°C ÷ 70°C (Refer to Temp. Derating Curve)	90 x 105 x 55.4 mm	0.33 kg
DL2-150-24-U (100-120VAC)	24 V	5.31 A	127.44 W					
DL2-150-48-U (100-120VAC)	48 V	2.72 A	130.56 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.

BIS SAA CB CE

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



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%
		4.17A / 36V	4.17 ~ 5.36A	20 ~ 36V	90%
GLCP-200	200W	0.70A / 286V	0.45 ~ 0.70A	230 ~ 445V	91%
		1.40A / 143V	0.65 ~ 1.40A	120 ~ 305V	91%
		2.80A / 72V	1.67 ~ 2.80A	60 ~ 120V	91%
		4.17A / 48V	3.23 ~ 5.00A	20 ~ 62V	90%
		5.56A / 36V	4.88 ~ 7.00A	20 ~ 41V	90%
GLCP-240	240W	1.05A / 228V	0.65 ~ 1.10A	190 ~ 368V	92%
		1.40A / 170V	1.33 ~ 2.10A	80 ~ 180V	92%
		5.00A / 48V	3.87 ~ 5.20A	20 ~ 62V	92%
		6.70A / 36V	5.85 ~ 7.50A	20 ~ 41V	92%



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;

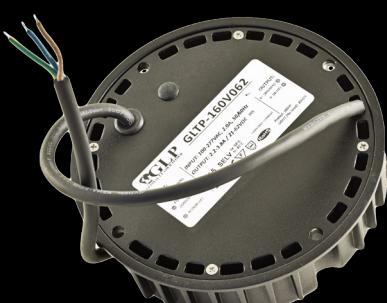
Degrees of protection: IP65;
 Complied with CCC/CE/UL safety regulations;
 Ambient temperature: -40° ~ +60°.

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





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				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	short circuit, overload, over voltage, over temperature	EN61347-1, EN61347-2-13, EN55015, EN61547, EN61000-3-3, EN61000-3-2	-20°C ~ +45°C	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						
FTPC50V12-C	50W	12V	4.20A	short circuit, over current, overload, over temperature	EN 61347-1, EN 61347-2-13, EN 62493, EN 55015, EN 61547, EN 61000-3-3, EN 61000-3-2		160×58×18mm	0.16kg	
FTPC50V24-C		24V	2.08A						
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	-20°C ~ +45°C	170×44.5×28.2mm	0.25kg	
FTPC75V24-C	75W	24V	3.13A						
FTPC100V12-C	100W	12V	8.33A	short circuit, overload, over temperature	EN 61347-1, EN 61347-2-13, EN55015, EN 61547, EN 61000-3-3, EN 61000-3-2	-20°C ~ +45°C	180×65.5×31.2mm	0.45kg	
FTPC100V24-C		24V	4.16A						
FTPC150V12-C	132W	12V	11.00A	short circuit, overload, over temperature	EN 61347-1, EN 61347-2-13, EN55015, EN 61547	-20°C ~ +45°C	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)



- 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				123×44.6×19.2mm
FTPC20V24-L		24V	0.83A				
FTPC30V12-L	30W	12V	2.50A				123×44.6×19.2mm
FTPC30V24-L		24V	1.25A				
FTPC40V12-L	40W	12V	3.33A				149×40.4×26.7mm
FTPC40V24-L		24V	1.67A				
FTPC50V12-L	50W	12V	4.16A				-20°C ~ +45°C
FTPC50V24-L		24V	2.08A				
FTPC60V12-L	60W	12V	5.00A				170×44.5×28.2mm
FTPC60V24-L		24V	2.50A				
FTPC75V12-L	75W	12V	6.25A				179.4×62.5×30.6mm
FTPC75V24-L		24V	3.125A				
FTPC100V12-L	100W	12V	7.50A				
FTPC100V24-L		24V	4.17A				
FTPC150V12-L	150W	12V	11.00A				
FTPC150V24-L		24V	6.25A				



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 (LxWxH)	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					
FTPC15V12-E	15W	12V	1.25A	short circuit, overload, over voltage	EN55015, EN61347-2-13, EN61000-3-2	-20°C ~ +45°C	103×35.5×16mm	0.14kg
FTPC15V24-E		24V	0.625A					
FTPC20V12-E	20W	12V	1.67A	short circuit, overload, over voltage	EN55015, EN61347-2-13, EN61000-3-2	-20°C ~ +45°C	195×67.1×31.2mm	0.24kg
FTPC20V24-E		24V	0.84A					
FTPC30V12-E	30W	12V	2.50A	short circuit, overload, over voltage	EN55015, EN61347-2-13, EN61000-3-2	-20°C ~ +45°C	170×44.5×28.2mm	0.40kg
FTPC30V24-E		24V	1.25A					
FTPC60V12-E	60W	12V	5.00A	short circuit, overload, over voltage, over temperature	EN55015, EN61347-2-13, EN61000-3-2	-20°C ~ +45°C	179.4×62.5×30.6mm	0.42kg
FTPC60V24-E		24V	2.50A					
FTPC100V12-E	100W	12V	8.33A	short circuit, overload, over voltage, over temperature	EN55015, EN61347-2-13, EN61000-3-2	-20°C ~ +45°C	179.4×62.5×30.6mm	0.42kg
FTPC100V24-E		24V	4.17A					
FTPC150V12-E	150W	12V	12.50A	short circuit, overload, over voltage, over temperature	EN55015, EN61347-2-13, EN61000-3-2	-20°C ~ +45°C	179.4×62.5×30.6mm	0.42kg
FTPC150V24-E		24V	6.25A					





- 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						
FTPC75V12-S	75W	12V	6.25A	short circuit, overload, over voltage, over temperature	EN61347-1, EN62493, EN61347-2-13, EN55015, EN61547		304.6×30×16.7mm	0.20kg	
FTPC75V24-S		24V	3.13A						
FTPC100V12-S	100W	12V	8.33A	short circuit, overload, over voltage, over temperature	EN61347-1, EN62493, EN61347-2-13, EN55015, EN61547		321×30×18.5mm	0.25kg	
FTPC100V24-S		24V	4.17A						
FTPC150V12-S	132W	12V	11.00A	short circuit, overload, over voltage, over temperature	EN61347-1, EN61347-2-13, EN55015, EN61547		323×30×22mm	0.30kg	
FTPC150V24-S	150W	24V	6.25A						
FTPC200V12-S	180W	12V	15.00A	short circuit, overload, over voltage, over temperature	EN61347-1, EN61347-2-13, EN62493, EN55015, EN61000-3-3; EN61000-3-2		356.4×32.1×22.3mm	0.34kg	
FTPC200V24-S	199.2W	24V	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	12V	5.00A	short circuit, over load, over voltage, over temperature	EN61347-1, EN61547; EN61347-2-13, EN55015, EN61000-4-2, 3, 4, 5, 6	+20°C ~ +45°C	304.6×30×16.7mm	
FTPC60V24-S2	60W	24V	2.50A					
FTPC100V12-S2	100W	12V	8.33A	short circuit, over load, over voltage, over temperature	EN61347-1, EN61347-2-13, EN55015,		320.6×30×18.2mm	
FTPC100V24-S2	100W	24V	4.17A					
FTPC132V12-S2	132W	12V	11A	short circuit, over load, over voltage, over temperature	EN61347-1, EN61547; EN61347-2-13, EN55015, EN61000-4-2, 3, 4, 5, 6		320.6×30×18.2mm	
FTPC150V12-S2	150W	24V	6.25A					
FTPC150V24-S2	150W	24V	8.33A	short circuit, over load, over voltage, over temperature	EN61347-1, EN61547; EN61347-2-13, EN55015, EN61000-4-2, 3, 4, 5, 6		322.6×30.1×21.5mm	
FTPC200V24-S2	200W	24V	8.33A					

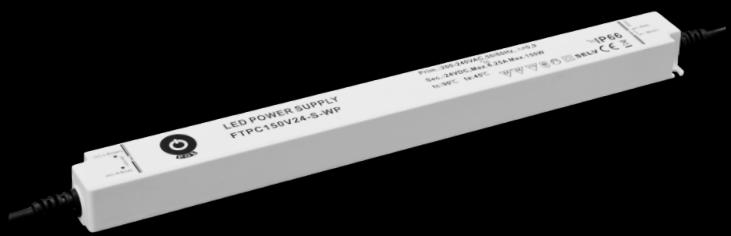
FTPC-S-WP

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



SELV IP66 CE

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	short circuit, overload, over voltage, over temperature	EN61347-1, EN61347-2-13, EN55015, EN61547	-20°C ~ +50°C	356×30×20mm	0.33kg
FTPC100V24-S-WP		24V	4.17A					
FTPC150V12-S-WP	132W	12V	11.00A	short circuit, overload, over voltage, over temperature	EN61347-1, EN61347-2-13, EN55015, EN61547	-20°C ~ +45°C	356×30×23mm	0.42kg
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



SELV CE

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	overload, short circuit, over temperature	EN55015, EN61347-1, EN61347-2-13, EN61547; EN61000-4-2, 3, 4, 5, 6	-20°C ~ +45°C	113.6×37×18mm
FTPC20V24-FP2		24V	0.833A				
FTPC30V12-FP	30W	12V	2.50A	over current, over load, 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	over current, over load, short circuit, over temperature	EN55015, EN61347-1, EN61347-2-13, EN61547; EN61000-4-2, 3, 4, 5, 6	-20°C ~ +45°C	172×59.5×18.5mm
FTPC60V24-FP		24V	2.50A				
FTPC75V12-FP	75W	12V	6.25A	over current, over load, short circuit, over temperature	EN55015, EN61347-1, EN61347-2-13, EN61547; EN61000-4-2, 3, 4, 5, 6	-20°C ~ +45°C	172×59.5×18.5mm
FTPC75V24-FP		24V	3.13A				
FTPC100V12-FP	100W	12V	8.33A	over current, over load, short circuit, over temperature	EN55015, EN61347-1, EN61347-2-13, EN61547; EN61000-4-2, 3, 4, 5, 6	-20°C ~ +45°C	167.5×52.8×17.5mm
FTPC100V24-FP		24V	4.17A				

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					
FTPC50V12-D	50W	12V	4.16A	short circuit, overload, over voltage, over temperature	EN 62493, EN61347-1, EN61347-2-13, EN55015, EN61547	-20°C ~ +45°C	177×57.8×21.8mm	0.25kg
FTPC50V24-D		24V	2.08A					
FTPC75V12-D	75W	12V	6.25A	short circuit, overload, over temperature	EN 62493, EN61347-1, EN61347-2-13, EN55015, EN61547	-20°C ~ +45°C	170×56.8×31mm	0.25kg
FTPC75V24-D		24V	3.12A					
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	0.45kg
FTPC100V24-D		24V	4.17A					
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					



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



SELV CE

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				Aluminium
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	open circuit, short circuit, overload, over temperature	EN55015, EN61000-3-2, DALI 2 IEC62386	-20°C ÷ +45°C	Plastic
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				





● 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



SELV CE

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		
FTPC100V24-S-PCT-PDS		24V	4.16A					
FTPC150V12-S-PCT-PDS	150W	12V	11.00A					
FTPC150V24-S-PCT-PDS		24V	6.25A			-20°C ÷ +45°C	326×30×21.6mm	0.30kg

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



SELV CE

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

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



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

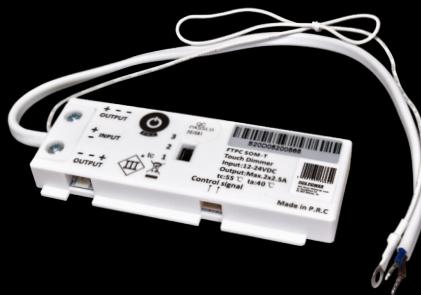
FTPC series sensors (IP20)



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



● 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				157×40.9×36.5mm
MCHQ50V24-GA		24V	2.08A				
MCHQ80V12-GA	75W	12V	6.66A				172×56.9×36.5mm
MCHQ80V24-GA		24V	3.33A				
MCHQ100V12-GA	100W	12V	8.33A	short circuit, overload, over voltage, over temperature	EN55015, EN61347-2-13, EN61000-3-2	-40°C ~ +60°C	173×63×38mm
MCHQ100V24-GA		24V	4.17A				
MCHQ150V12-GA	150W	12V	12.5A				193.6×63×38mm
MCHQ150V24-GA		24V	6.25A				
MCHQ200V12-GA	192W	12V	16A				216×63×37mm
MCHQ200V24-GA	200W	24V	8.3A				
MCHQ240V12-GA	216W	12V	18A				
MCHQ240V24-GA	240W	24V	10A				220.6×62.5×41.3mm



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 used 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				
MCHQ150V12-GE	150W	12V	12.50A				193.6×62.5×38mm
MCHQ150V24-GE		24V	6.25A				
MCHQ200V12-GE	200W	12V	16.60A	short circuit, overload, over voltage, over temperature	EN61347-1, EN 61347-2-13 EN62493, EN55015	-40°C ~ +55°C	220.6×62.5×41.3mm
MCHQ200V24-GE		24V	8.33A				
MCHQ240V12-GE	216W	12V	18.00A	short circuit, overload, over voltage, over temperature	EN61347-1, EN 61347-2-13 EN62493, EN55015	-40°C ~ +55°C	220.6×62.5×41.3mm
MCHQ240V24-GE	240W	24V	10.00A				
MCHQ320V12-GE	300W	12V	25.00A	short circuit, overload, over voltage, over temperature	EN61347-1, EN 61347-2-13 EN62493, EN55015	-40°C ~ +55°C	261×62.5×41.4mm
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



SELV CE

Model	Power	Voltage	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						

FTPC-S-DA6

100~240W voltage

Features

- Built-in constant voltage LED power supply
- Built in push dimming
- Comply to DALI 6.0 standard (IEC 62386-101, 102, 207)
- Linear or log curve optional
- Dimming range 1-100%
- Efficiency greater than 92%
- For indoor lighting, office lighting
- 5 years warranty



SELV CE

Model	Power	Voltage	Current	Protection	Safety & EMC	Working temperature	Dimensions (L×W×H)
FTPC100V12-S-DA6	100W	12V	8.33A				361.5×30×21.3mm
FTPC100V24-S-DA6		24V	4.16A				
FTPC150V12-S-DA6	132W	12V	11A				
FTPC150V24-S-DA6	150W	24V	6.25A	short circuit, over current, over voltage, over temperature	EN61347-1, EN61347-2-13, EN55015,Fcc par15 ClssB, EN55024, EN61547	-20°C ~ +45°C	361.5×30×21.3mm
FTPC200V24-S-DA6	200W	24V	8.33A				334.8×41.5×27.5mm
FTPC240V24-S-DA6	240W	24V	10A				



● Features

- Built-in constant voltage LED power supply
- Built in push dimming
- Comply to DALI 8.0 standard (IEC 62386-101, 102, 207)
- Linear or log curve optional
- Dimming range 1-100%
- Efficiency greater than 92%
- For indoor lighting, office lighting
- 5 years warranty



SELV



Model	Power	Voltage	Current	Protection	Safety & EMC	Working temperature	Dimensions (L×W×H)
FTPC100V24-DA8	100W	24V	4.16A	short circuit, over current, over voltage, over temperature	EN61347-1, EN61347-2-13, EN55015, FCC part15 ClassB, EN55024, EN61547	-20°C ~ +45°C	361.5×30×21.3mm
FTPC150V24-DA8	150W	24V	6.25A				

POS-C 35~350W voltage (IP20)



● Features

- Constant voltage design
- Universal AC input range
- Low profile - 30mm height
- 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	short circuit, overload, over voltage, over temperature		-20°C ~ +70°C	129×97.5×30mm	0.38kg
POS-150-5-C	110W	5V	22.00A					
POS-150-12-C	150W	12V	12.50A					
POS-150-24-C	156W	24V	6.50A					
POS-200-12-C	204W	12V	17.00A					
POS-200-24-C	211W	24V	8.80A	short circuit, overload, over voltage, over temperature		-20°C ~ +70°C	159×97×30mm	0.45kg
POS-350-12-C	348W	12V	29.00A					
POS-350-24-C	350W	24V	14.40A					



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 CE

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	short circuit, overload, over voltage, over temperature	EN62368-1, EN55032, EN55035	-20°C ~ +50°C	62.5×93×56mm	0.21kg
		15V	2.0A					
		24V	1.25A					
DIN60W	60W	12V	5.00A	short circuit, overload, over voltage, over temperature	EN62368-1, EN55032, EN55035	-20°C ~ +50°C	78×93×56mm	0.24kg
		24V	2.50A					
DIN100W	99.6W	12V	8.30A	short circuit, overload, over voltage, over temperature	EN62368-1, EN55032, EN55035	-20°C ~ +50°C	100×93×56mm	0.33kg
		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 CE

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
	24W	24V	1.00A					
MDIN40W	40W	12V	3.33A	short circuit, overload, over voltage, over temperature	EN62368-1, EN55032, EN55024	-20°C ~ +50°C	100×90×40mm	0.28kg
		24V	1.70A					
MDIN60W	60W	12V	5.00A	short circuit, overload, over voltage, over temperature	EN62368-1, EN55032, EN55024	-20°C ~ +50°C	100×90×40mm	0.30kg
		24V	2.50A					
MDIN100W	100W	12V	7.50A	short circuit, overload, over voltage, over temperature	EN62368-1, EN55032, EN55024	-20°C ~ +50°C	100×90×40mm	0.41kg
	96W	24V	4.00A					

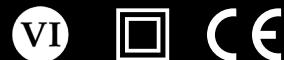
POS - ADAPTER

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		
POS05100A						Black	
POS05100A-MU	5W	5V	1.00A	0°C ÷ 45°C	37.37×23.56×54.37mm		
POS05100A-MU-WH						White	
POS06100A						Black	
POS06100A-WH	6W	6V	1.00A	0°C ÷ 25°C	37.75×23.55×52.2mm		
POS12050A	6W	12V	0.50A		38×25×88.6mm	Black	
POS09100A	9W	9V	1.00A		76.2×27.6×61.6mm	Black	
POS05200A						Black	
POS05200A-MICRO					76.2×27.6×61.6mm		
POS05200A-WHmicro	10W	5V	2.00A			White	
POS05200A-WH							
POS12100A	12W	12V	1.00A		76.2×27.6×61.6mm		
POS24050A	12W	24V	0.50A		61.6×27.6×38.86mm	Black	
POS12120A					69.1×27.6×78.86mm		
POS12120A-WH	14.4W	12V	1.20A			Black	
POS05300A	15W	5V	3.00A		69.1×27.6×79.2mm		
POS12150A					46.5×23.3×55.1mm	White	
POS12150A-WH	18W	12V	1.50A			Black	
POS12200A	24W	12V	2.00A		69.1×27.6×79.2mm		
POS24100A	24W	24V	1.00A		82.2×32.6×74.2mm	White	
POS12300A	36W	12V	3.00A		82.2×32.6×74.2mm		
POS24150A	36W	24V	1.50A		86.9×35.2×89.6mm		
					89.6×35.1×49.5mm	Black	

EN 62368
EN55032
EN61000-3-3
EN61000-3-2
EN61000-4-2,-3,-4,-5

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



VI



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	EN 62368 EN55032 EN61000-3-3 EN61000-3-2 EN61000-4-2,-3,-4,-5	
POSB09100A-WH						White		
POSB05200A	10W	5V	2.00A	0°C ÷ 45°C	67×38×74mm	Black	EN 62368 EN55032 EN61000-3-3 EN61000-3-2 EN61000-4-2,-3,-4,-5	
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	EN 62368 EN55032 EN61000-3-3 EN61000-3-2 EN61000-4-2,-3,-4,-5	
POSB06200A-WH						White		
POSB12100A	12W	12V	1.00A	-10°C ÷ 45°C	67×38×74mm	Black	EN 62368 EN55032 EN61000-3-3 EN61000-3-2 EN61000-4-2,-3,-4,-5	
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	EN 62368 EN55032 EN61000-3-3 EN61000-3-2 EN61000-4-2,-3,-4,-5	
POSB24050A				0°C ÷ 45°C	67×38×74mm	White		
POSB24050A-WH					67×38×74mm			
POSB05310A-2USB	15.5W	5V	3.10A	0°C ÷ 35°C	46.5×23.3×55.1mm	Black		
POSB12150A	18W	12V	1.50A	-10°C ÷ 45°C	67×38×74mm	Black	EN 62368 EN55032 EN61000-3-3 EN61000-3-2 EN61000-4-2,-3,-4,-5	
POSB12150A-WH						White		
POSB12200A	24W	12V	2.00A	-10°C ÷ 45°C	67×38×74mm	Black	EN 62368 EN55032 EN61000-3-3 EN61000-3-2 EN61000-4-2,-3,-4,-5	
POSB12200A-E1/U1/U2/A3					71.5×43.5×31.5mm			
POSB24100A-E1/U1/U2/A3	24W	24V	1.00A	-10°C ÷ 45°C	71.5×43.5×31.5mm			
POSB24100A-WH					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	EN 62368 EN55032 EN61000-3-3 EN61000-3-2 EN61000-4-2,-3,-4,-5	
POSB24150A	36W	24V	1.50A	0°C ÷ 45°C				

POSC - ADAPTER

series 5~36W



- 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	
POSC05100A-WH-USB						White	
POSC06100A-WH	6W	6V	1.00A		56×28×42mm	White	
POSC12050A	6W	12V	0.50A				
POSC07100A	7.5W	7.5V	1.00A		56×28×42mm	Black	
POSC09100A	9W	9V	1.00A				
POSC05200A	10W	5V	2.00A	-5°C ÷ 40°C	56×28×42mm	Black	
POSC05200A-MICRO							
POSC05200A-WHmicro						White	
POSC05200A-WH	12W	12V	1.00A		56×28×42mm	Black	
POSC12100A						White	
POSC24050A	12W	24V	0.50A				
POSC05300A	15W	5V	3.00A		56×28×42mm		
POSC48027A	13W	48V	0.27A				
POSC15100A	15W	15V	1.00A				
POSC15160A	24W	15V	1.60A	-5°C ÷ 40°C	69.4×30×64.1mm		
POSC12200A	24W	12V	2.00A		69.4×30×64.1mm	Black	
POSC12200A-H							
POSC24100A	24W	24V	1.00A				
POSC24100A-H							
POSC24150A-H	36W	24V	1.50A				
POSC12300A-H	36W	12V	3.00A		86.5×50×32.8mm		

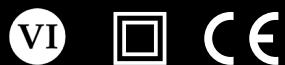
POSB - DESKTOP

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
POSB12200D	24W		2A		96×68×31mm		EN55032
POSB12300D	36W		3A		93.58×46.57×70.1mm		EN61000-3-3
POSB12500D	60W		5A		115×74×31mm		EN61000-3-2 EN61000-4-2,-3,-4,-5

POSC - DESKTOP

series 24~120W

● 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		
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				
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			5.00A		121×50×30mm				
POSC12500D-C8-WH			5.00A		122×50×30mm	White			
POSC121000D-C14	120W	12V	10.00A		152.4×64×35mm	Black			
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	90W		3.75A		121.3×53.6×31.2mm				
POSC48125D-C14	60W	48V	1.25A		142.3×60.3×33.2mm				
POSC48187D-C14	90W		1.87A		121.3×53.6×31.2mm				



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				
MPL-16-12LC MPL-16-24LC	15W	12Vdc	1.25A	Short circuit, overload, over temperature	-20 ~ 50°C	74 x 48 x 24 mm	0.072kg
		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			115 x 45 x 27.5 mm	0.083kg
		12-23Vdc	700mA				

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

LPS CE

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

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
Plug-in & Desktop series EAxxxxD							
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		3.5A			133 × 56 × 31mm	0.240kg
EA 20120D1	120W		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		0 ~ 40°C	107 × 50 × 35mm	0.250kg
EA 10302D	30W		3.5A			100 × 50 × 30mm	0.260kg
EA 10502D	42W						

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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	1.2W	12V	0.1A	Short circuit, overload	0 ~ 45°C -5 ~ 45°C	60 × 39 × 25mm	0.060kg	
	6W		0.5A			75 × 30 × 79mm	0.085kg	
	9W	9V	1A	Short circuit, overload, over temperature		85 × 43 × 69mm	0.090kg	
	10W	5V	2A	Short circuit, overload over voltage, over temperature		70 × 28 × 77mm		
	12W	12V	1A	Short circuit, overload over voltage, over temperature		85 × 43 × 69mm		
	13.5W	9V	1.5A	Short circuit, overload		70 × 45.5 × 68mm	0.1kg	
	15W	5V	3A	Short circuit, overload, over voltage		85 × 43 × 69mm		
	18W	9V	2A	Short circuit, overload over voltage, over temperature		91 × 46 × 73mm	0.130kg	
	20W	5V	4A			85 × 43 × 69mm	0.1kg	
	24W	12V	2A			110 × 52.5 × 75mm	0.13kg	
	24W	24V	1A					
	36W	12V	3A	Short circuit, overload, over voltage				

	12W	12V	1A	Short circuit, overload over voltage, over temperature	-5 ~ 40°C	64.5 × 35 × 27mm	0.1kg	
	24W		2A	Short circuit, overload, overvoltage		85.5 × 50 × 32mm	0.2kg	
	36W		3A			96 × 44 × 30.5mm	0.22kg	
	60W		5A			116 × 50 × 32mm	0.23kg	
	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
Adapter							
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				0.106kg
ER18W09V	18W	9V	2A				0.090kg
ER24W12V	24W	12V	2A				
ER24W24V	24W	24V	1A				
ER36W12V	36W	12V	3A				N/D

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



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



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.



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



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.



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



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



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



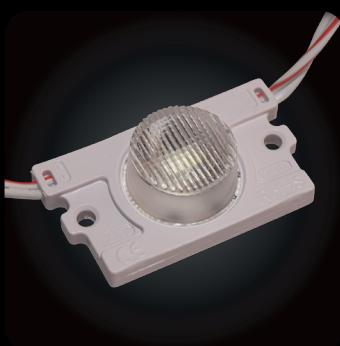
Power supply	12W	18W	24W	36W	50W	60W	75W	100W	120W	150W	200W	250W	300W
Number of modules	5	8	10	16	22	27	33	45	54	67	80	112	135

Typical CRI>70, Higher level project available.

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 lenght	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
 HIGH QUALITY	
 LOWEST PRICE	
standard CRI>70	
sidelight	
IP67	
3 years warranty	
CE	

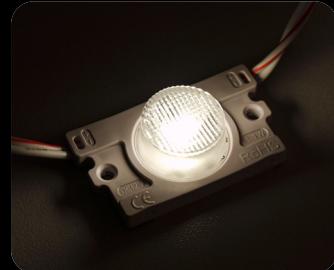


Compatible LED controllers:
MW-CTR-CCT-6A-02-Rx, MW-CTR-CCT-6A-02-Tx

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.



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 lenght	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
 LOWEST PRICE	
 HIGH QUALITY	
CE	
3 years warranty	
IP67	
standard CRI>70	

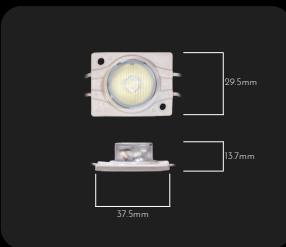


Compatible LED controllers:
MW-CTR-CCT-6A-02-Rx, MW-CTR-CCT-6A-02-Tx

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	52	4	6	9	13	18	22	28	37	45	56	75	93	112

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 lenght	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



	CE	3 years warranty	160° lens	IP67	standard CRI>70
Power supply	12W	18W	24W	36W	50W
Number of modules	15	22	30	45	62

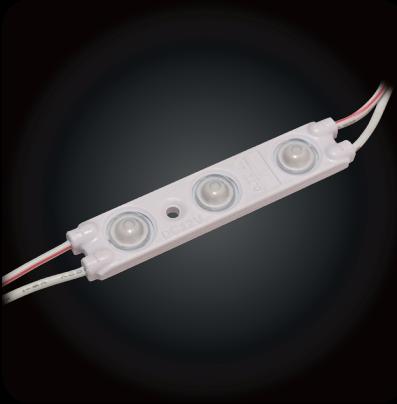
FOR LIGHTBOXES 5-25cm DEPTH

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 lenght	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



	CE	3 years warranty	160° lens	IP67	standard CRI>70
Power supply	12W	18W	24W	36W	50W
Number of modules	9	13	18	27	37



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.



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.



FOR LIGHTBOXES 5-12cm DEPTH

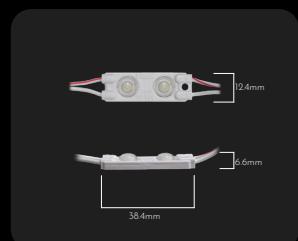
TEXAS-2W-CC125

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 lenght	200mm
Dimensions HxWxL	21 x 33 x 57mm
Wire length	135mm
Quantity per 1 meter	5pcs
Pcs in bag / box	40 / 320

* possible to make vertical or horizontal arrangement



Power supply	12W	18W	24W	36W	50W	60W	75W	100W	120W	150W	200W	300W
Number of modules	23	34	45	68	94	113	141	188	225	281	375	563



Features

- IP67 waterproof
- Cuttable each one piece
- Injection mold technology
- 3 years warranty

Typical CRI>70, Higher level project available.

FOR 3D CHANNEL LETTERS, MIN 5cm DEPTH

MW-MLD-CCT-2WW/W-LENS-24V

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 lenght	155mm
Dimensions HxWxL	10.8 x 21.9 x 55mm
Wire length	100mm
Quantity per 1 meter	6pcs
Pcs in bag / box	720 / 1440

* depends on ** multi white adjustable

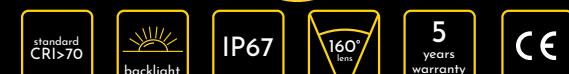


Power supply	12W	18W	24W	36W	50W	60W	75W	100W	120W	150W	200W	250W	300W
Number of modules	5	8	11	16	22	27	34	46	55	70	97	121	147

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 lenght	45mm
Dimensions HxWxL	8 x 15.6 x 10.3mm
Wire length	32mm
Quantity per 1 meter	22pcs
Pcs in bag / box	400 / 2800



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



Compatible LED controllers:

MW-CTR-CCT-6A-02-Rx, ML-DIMMER120W.FUT036, ML-DIMMER+120W.FUT036M



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.

21.9mm

10.8mm

55mm



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.

10.3mm

8mm

15.6mm



FOR LIGHTBOXES 3-10cm DEPTH

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

MW-MLD-2835-2NW-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 lenght	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



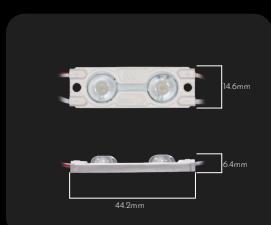
Compatible LED controllers:

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.



FOR LIGHTBOXES 8-30cm DEPTH

MW-MLD-2835-4W-LENS

MW-MLD-2835-4CW-LENS

MW-MLD-2835-4WW-LENS

Power	1.2W
Rated voltage	12Vdc +/- 5%
Chain power consumption	28.8W
Colour temperature	W - 6000-7000K CW - 9000-16000K WW - 2700-3200K
Luminous flux	104lm
Flux density	83.51lm/W
Beam angle	160°
Chain length	30pcs 6.2m
Module center lenght	21mm
Dimensions HxWxL	6.4 x 15 x 65mm
Wire length	170mm
Quantity per 1 meter	-
Pcs in bag / box	160 / 2560



Features

- IP67 protection
- Injection molded
- Internal current stabilization (CC)
- 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	300W
Number of modules	9	14	18	27	38	45	56	75	90	113	150	225

FOR LIGHTBOXES 8-25cm DEPTH

MW-MLD-2835-3X*-LENS

Power	0.72W
Rated voltage	12Vdc +/- 5%
Chain power consumption	28.8W
Colour temperature	W - 6000-8000K, CW - 10000-14000K WW - 2700-3200K, NW - 4000K R: 620-630nm, G: 520-530nm B: 460-470nm, Y: 588-594nm
Luminous flux	66lm
Flux density	91.7lm/W
Beam angle	160°
Chain length	40pcs 6.6m
*Module center-center lenght	175mm
Dimensions HxWxL	6.4 x 15 x 65mm
Wire length	110mm
Quantity per 1 meter	6pcs
Pcs in bag / box	CRI>70 backlight 160° lens IP67 160 / 2500 years warranty CE
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



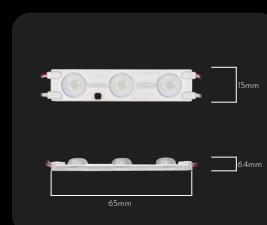
Compatible LED controllers:

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.



FOR LIGHTBOXES 10-20cm DEPTH

MW-MLD-3030-1W-LENS

MW-MLD-3030-1NW-LENS

MW-MLD-3030-1WW-LENS

MW-MLD-3030-1CW-LENS

Power	1.44W
Rated voltage	12Vdc +/- 5%
Chain power consumption	43.2W
Colour temperature	W - 6500K NW - 4000K WW - 3000K CW - 6500K
Luminous flux	120-145lm
Flux density	100lm/W
Beam angle	-
Chain length	30pcs 4.6m
Module center lenght	-
Dimensions HxWxL	14.8 x 36 x 43mm
Wire length	110mm
Quantity per 1 meter	-
Pcs in bag / box	CRI>70 5 years warranty IP67 80 / 600 CE



Power supply	12W 18W 24W 36W 50W 60W 75W 100W 120W 150W 200W 300W
Number of modules	8 11 15 23 31 38 47 63 75 94 125 188

FOR LIGHTBOXES MIN 10cm DEPTH

MW-MLD-3030-3W-LENS

Power	3W
Rated voltage	12Vdc +/- 5%
Chain power consumption	60W
Colour temperature	W - 6500K
Luminous flux	220lm
Flux density	73.3lm/W
Beam angle	56° x 12°*
Chain length	20pcs 3.8m
Module center lenght	-
Dimensions HxWxL	14.8 x 36 x 43mm
Wire length	135mm
Quantity per 1 meter	-

*Depending on the vertical or horizontal arrangement

40 / 320



Power supply	12W	18W	24W	36W	50W	60W	75W	100W	120W	150W	200W	300W
Number of modules	4	5	7	11	15	18	23	30	36	45	60	90

Features

- Injection mold technology
- Internal current stabilization (CC)
- Built-in heat sink plate
- IP67 waterproof sealed
- 5 years warranty

Typical CRI>70, Higher level project available.



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 lenght	175mm
Dimensions HxWxL	7.3 x 21 x 38mm
Wire length	110mm
Quantity per 1 meter	6pcs

120 / 2400



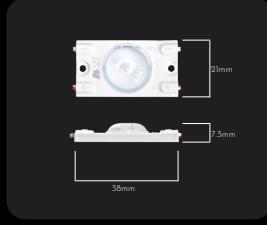
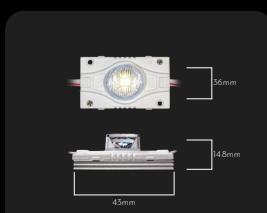
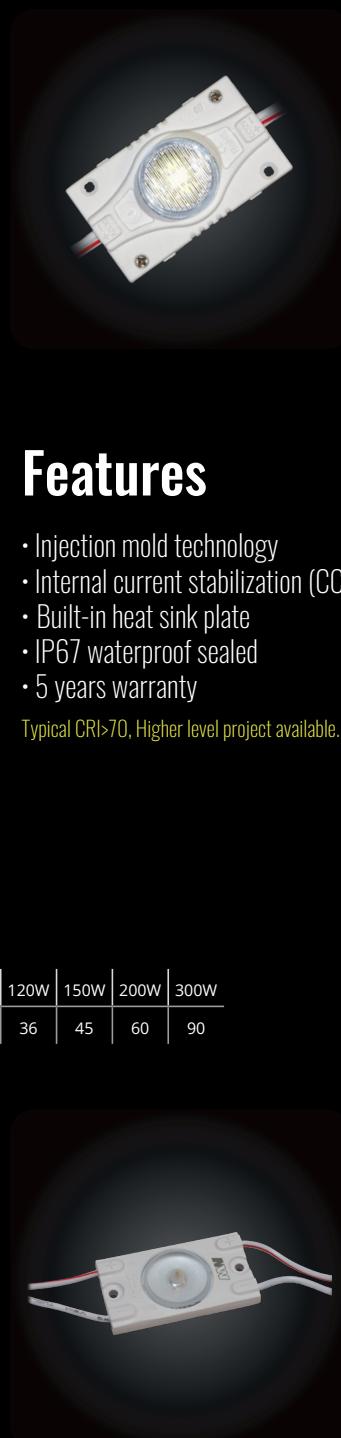
Compatible LED controllers:

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.



FOR 3D CHANNEL LETTERS

MINIOVAL-1W

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

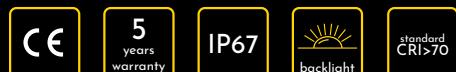


Compatible LED controllers:
MW-CTR-CCT-6A-02-Rx, MW-CTR-CCT-6A-02-Tx

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

FOR 3D CHANNEL LETTERS

MINIOVAL-1W R2

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



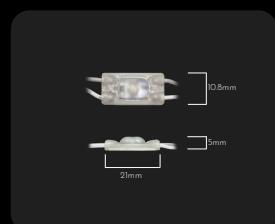
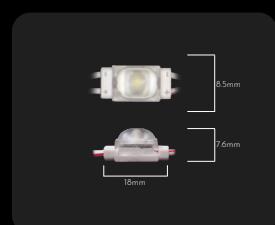
Compatible LED controllers:
MW-CTR-CCT-6A-02-Rx, MW-CTR-CCT-6A-02-Tx

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>80, Higher level project available.

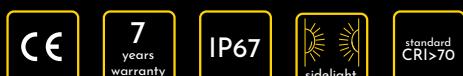
Power supply /Zasilacz	12W	18W	24W	36W	50W	60W	75W	100W	120W	150W	200W	250W	300W
Number of modules /Ilość modułów	45	67	90	135	187	225	281	375	450	562	750	937	1 125



FOR ONE & DOUBLE-SIDED LIGHTBOXES

BoxSide-OVAL-S-W, BoxSide-OVAL-S-WW

Power	1.32W
Rated voltage	12Vdc +/- 5%
Chain power consumption	52.8W
Color temperature	W - 5500-7000K WW - 3000-4000K
Luminous flux	140lm
Flux density	106lm/W
Beam angle	11x40°
Chain length	40pcs 7.2m
Module center-center lenght	180mm
Dimensions HxWxL	11.3 x 20 x 107mm
Wire length	73mm
Quantity per 1 meter	5pcs



Power supply	12W	18W	24W	36W	50W	60W	75W	100W	120W	150W	200W	300W
Number of modules	8	12	16	25	34	41	51	68	82	102	136	205



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

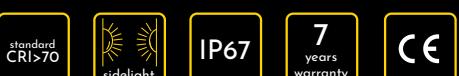
Typical CRI>80, Higher level project available.



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 lenght	300mm
Dimensions HxWxL	16.9 x 32 x 93mm
Wire length	207mm
Quantity per 1 meter	3pcs



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

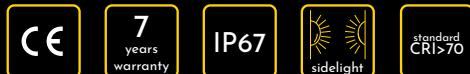
Typical CRI>80, Higher level project available.



FOR ONE & DOUBLE-SIDED LIGHTBOXES

BoxSide-OVAL-L-W

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 lenght	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



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.



FOR CHANNEL LETTERS

MW-MLD-PIXEL-1W

Power	0.36W
Rated voltage	24Vdc +/- 5%
Chain power consumption	18W
Color temperature	W - 6500K
Luminous flux	29lm
Flux density	180lm/W
Beam angle	145°
Chain length	50pcs 4.5m
Module center lenght	-
Dimensions HxWxL	18 x 20 x 15.7mm
Wire length	65mm
Quantity per 1 meter	-
Pcs in bag / box	100 / 1000



Features

- UV resistant
- Injection mold technology
- Constant current drive (CC)
- Internal current stabilization (CC)
- Wide color palette
- IP68 waterproof
- 5 years warranty

Typical CRI>80, Higher level project available.



Power supply	12W	18W	24W	36W	50W	60W	75W	100W	120W	150W	200W	300W
Number of modules	30	45	60	90	125	150	188	250	300	375	500	750





FOR CHANNEL LETTERS

MW-MLD-PIXEL-1R, MW-MLD-PIXEL-1G

Power	0.36W
Rated voltage	24Vdc +/- 5%
Chain power consumption	18W
Color temperature	R - red G - green
Luminous flux	R - 21lm G - 4.5lm
Flux density	180lm/W
Beam angle	145°
Chain length	50pcs 4.5m
Module center-center lenght	-
Dimensions HxWxL	18 x 20 x 15.7mm
Wire length	65mm
Quantity per 1 meter	-
Pcs in bag / box	100 / 1000

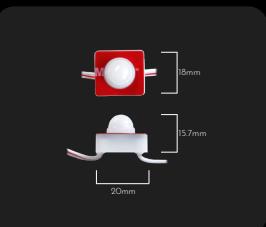


Power supply	12W	18W	24W	36W	50W	60W	75W	100W	120W	150W	200W	300W
Number of modules	30	45	60	90	125	150	188	250	300	375	500	750

Features

- UV resistant
- Injection mold technology
- Constant current drive (CC)
- Internal current stabilization (CC)
- Wide color palette
- IP68 waterproof
- 5 years warranty

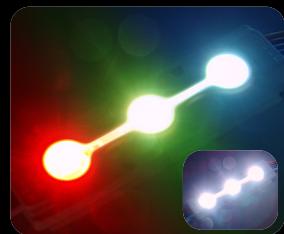
Typical CRI>80, Higher level project available.



FOR LIGHTBOXES 8-25cm DEPTH

MW-MLD-5050-3RGBW

Power	0.72W
Rated voltage	12Vdc +/- 5%
Chain power consumption	28.8W
Color temperature	W - 6000-8000K R - 620-630nm G - 520-530nm B - 460-470nm Y - 588-594nm
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 lenght	175mm
Dimensions HxWxL	4.9 x 19 x 68mm
Wire length	100mm
Quantity per 1 meter	6pcs
Pcs in bag / box	120 / 1140



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	300W
Number of modules	15	23	30	45	63	75	94	125	150	188	250	375

FOR LIGHTBOXES 3-10cm DEPTH

MW-MLD-3030-1W-LENS170

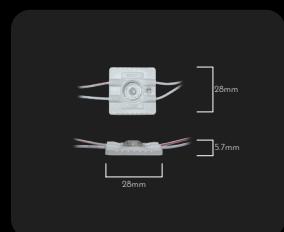
Power	1.2W
Rated voltage	12Vdc +/- 5%
Chain power consumption	36W
Color temperature	W - 6000-8000K
Luminous flux	100lm
Flux density	83lm/W
Beam angle	170°
Max. chain length	30pcs / 5.2m
Dimensions HxWxL	5.7 x 28 x 28mm
Wire length	240mm
Quantity per 1 meter	-
Pcs in bag / box	120 / 1440



Features

- Built-in heat sink plate
- Internal current stabilization (CC)
- IP67 sealed, injection molded
- 5 years warranty

Typical CRI>70, Higher level project available.

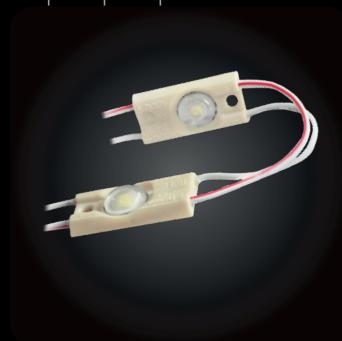


Power supply	12W	18W	24W	36W	50W	60W	75W	100W	120W	150W	200W	300W
Number of modules	9	14	18	27	38	45	56	75	90	113	150	225

FOR LIGHTBOXES 3-10cm DEPTH

MW-MLD-2835-1W-LENS

Power	0.3W
Rated voltage	12Vdc +/- 5%
Chain power consumption	15W
Color temperature	W - 6000-8000K
Luminous flux	26lm
Flux density	80lm/W
Beam angle	160°
Max. chain length	50pcs / 4.2m
Dimensions HxWxL	5.9 x 14.8 x 29mm
Wire length	55mm
Quantity per 1 meter	-
Pcs in bag / box	-



Features

- Built-in heat sink plate
- Internal current stabilization (CC)
- IP67 waterproof, injection molded
- 5 years warranty

Typical CRI>70, Higher level project available.

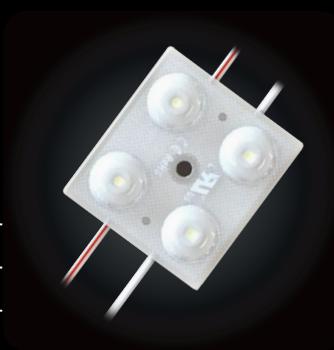


Power supply	12W	18W	24W	36W	50W	60W	75W	100W	120W	150W	200W	300W
Number of modules	36	54	72	108	150	180	225	300	360	450	600	900

FOR LIGHTBOXES 3-15cm DEPTH

PROLED-4X-CC260

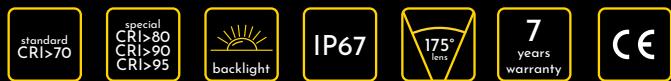
Power	1.44W
Rated voltage	12Vdc
Chain power consumption	28.8W
Color temperature	x= W- (6500K), x= W1- (7100K) x= NW- (4000K), x= NW- (5000K) x= WW- (3000K)
Luminous flux x= WW, NW	220lm
Luminous flux x= W, W1, NW1	232lm
Flux density x= WW, NW	152lm/W
Flux density x= W, W1, NW1	160lm/W
Beam angle	175°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



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	300W
Number of modules	8	11	15	23	31	38	47	63	75	94	125	188

FOR LIGHTBOXES 3-15cm DEPTH

PROLED-1X-CC100, PROLED-2X-CC180

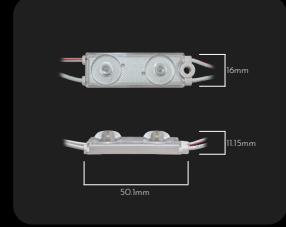
Power	0.36W	0.72W
Rated voltage	12Vdc	
Chain power consumption	18W	21.6W
Color temperature	x= W- (6500K), x= W1- (7100K) x= NW- (4000K), x= NW- (5000K) x= WW- (3000K)	
Luminous flux x= WW, NW	55lm	110lm
Luminous flux x= W, W1, NW1	58lm	116lm
Flux density x= WW, NW	152lm/W	
Flux density x= W, W1, NW1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



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	300W
Number of modules		0.36W	30	45	60	90	125	150	188	250	300	375	500
		0.72W	15	23	30	45	63	75	94	125	150	188	250

FOR LIGHTBOXES 3-15cm DEPTH

PROLED-3X-CC220

PROLED24-3X-CC220

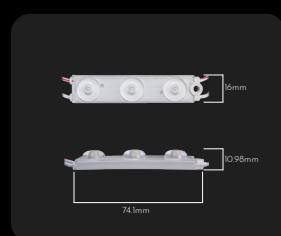
Power	1.08W	1.08W
Rated voltage	12Vdc	24Vdc
Chain power consumption	28.8W	21.6W
Color temperature		x= W- (6500K), x= W1- (7100K) x= NW- (4000K), x= NW- (5000K) x= WW- (3000K)
Luminous flux x= WW, NW		165lm
Luminous flux x= W, W1, NW1		174lm
Flux density x= WW, NW		152lm/W
Flux density x= W, W1, NW1		175lm/W
Beam angle		175°
Max. chain length		20pcs
Dimensions WxLxH		10.98 x 16 x 74.1mm
Quantity per 1 meter		-
Pcs in box	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	300W
Number of modules	10	15	20	30	42	50	63	83	100	125	167	250

FOR LIGHTBOXES 3-15cm DEPTH

PROLED-MINI-2X-CC070

PROLED-MINI-3X-CC100

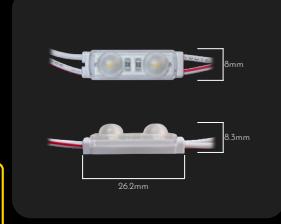
Power	0.5W	0.72W
Rated voltage	12Vdc	12Vdc
Chain power consumption	25W	36W
Color temperature		x= W- (6500K), x= W1- (7100K) x= NW- (4000K), x= NW- (5000K) x= WW- (3000K)
Luminous flux x= WW, NW		72lm
Luminous flux x= W, W1, NW1		80lm
Flux density		160lm/W
Beam angle		140°
Max. chain length		50pcs
Dimensions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



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	300W
Number of modules	0.5W	22	32	43	65	90	108	135	180	216	270	360	540
	0.72W	15	23	30	45	63	75	94	125	150	188	250	375





Power	9W/m
Rated voltage	12Vdc +/- 5%
Reel power consumption	45W/5m
Color temperature	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
Flux density	320lm/W
Beam angle	300°
Cutable	25mm
Dimensions HxW	6 x 12mm
Wire length	117mm
Montage	Plastic clip MW-NS-0612-MB-PC
	Alu clip MW-NS-0612-MB-AC
	Linear clips MW-NS-0612-MB-LIN
End caps	Waterproof MW-NS-0612-EC-XX-WP
	Waterproof with hole MW-NS-0612-ECo-XX-WP
	Indoor end cap MW-NS-0612-EC-XX
Material	Silicone

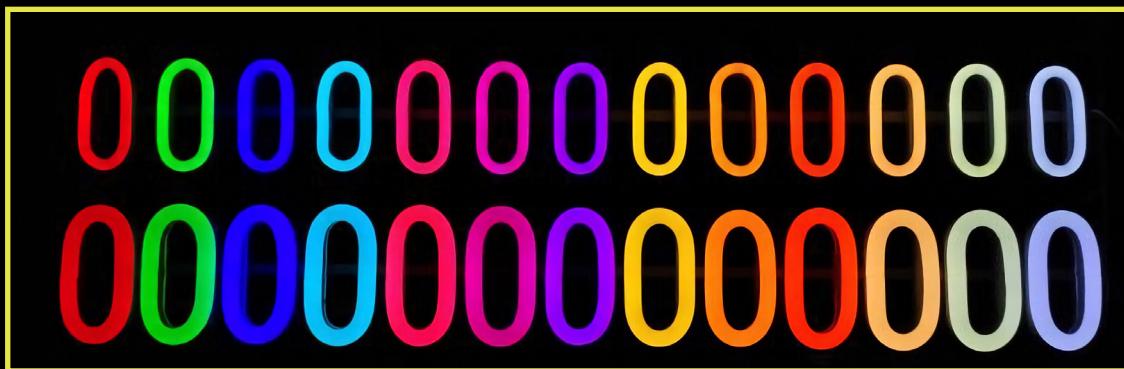


Features

- 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

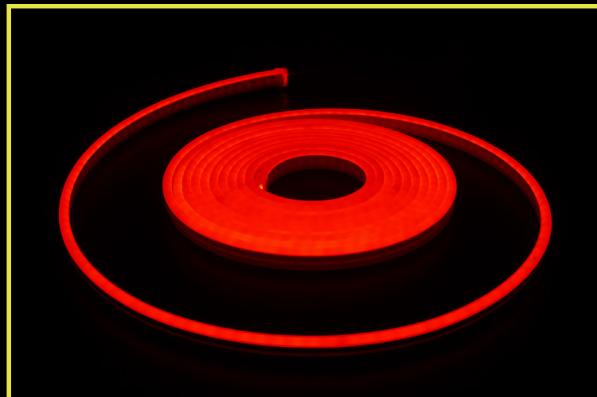
Power supply	12W	18W	24W	36W	50W	60W	75W	100W	120W	150W	200W	250W	300W
Number of meters	1	1	2	3	5	6	7	10	12	15	20	25	30

Colour range





Power	12W/m						
Rated voltage	12Vdc +/- 5%						
Reel power consumption	60W/5m						
Color temperature	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						
Flux density	350lm/W						
Beam angle	300°						
Cuttable	25mm						
Dimensions HxW	8 x 16mm						
Wire length	150mm						
Montage	<table border="1"> <tr> <td>Plastic clip</td> <td>MW-NS-0816-MB-PC</td> </tr> <tr> <td>Alu clip</td> <td>MW-NS-0816-MB-AC</td> </tr> <tr> <td>Linear clips</td> <td>MW-NS-0816-MB-LIN</td> </tr> </table>	Plastic clip	MW-NS-0816-MB-PC	Alu clip	MW-NS-0816-MB-AC	Linear clips	MW-NS-0816-MB-LIN
Plastic clip	MW-NS-0816-MB-PC						
Alu clip	MW-NS-0816-MB-AC						
Linear clips	MW-NS-0816-MB-LIN						
End caps	<table border="1"> <tr> <td>Waterproof</td> <td>MW-NS-0816-EC-XX-WP</td> </tr> <tr> <td>Waterproof with hole</td> <td>MW-NS-0816-ECo-XX-WP</td> </tr> <tr> <td>Indoor end cap</td> <td>MW-NS-0816-EC-XX</td> </tr> </table>	Waterproof	MW-NS-0816-EC-XX-WP	Waterproof with hole	MW-NS-0816-ECo-XX-WP	Indoor end cap	MW-NS-0816-EC-XX
Waterproof	MW-NS-0816-EC-XX-WP						
Waterproof with hole	MW-NS-0816-ECo-XX-WP						
Indoor end cap	MW-NS-0816-EC-XX						
Material	Silicone						

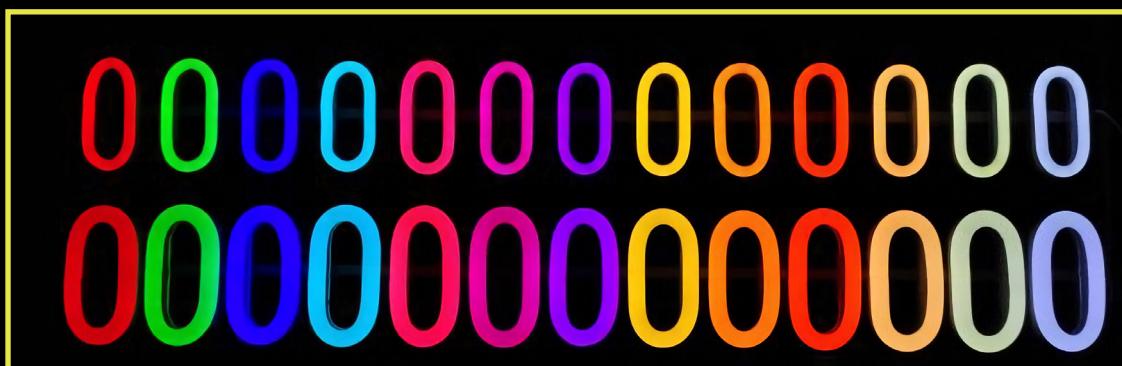


Features

- 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





FEATURES

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

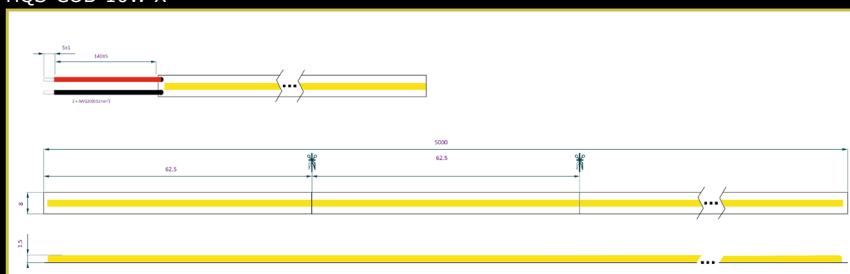
24VDC **≥90 CRI[RA]**

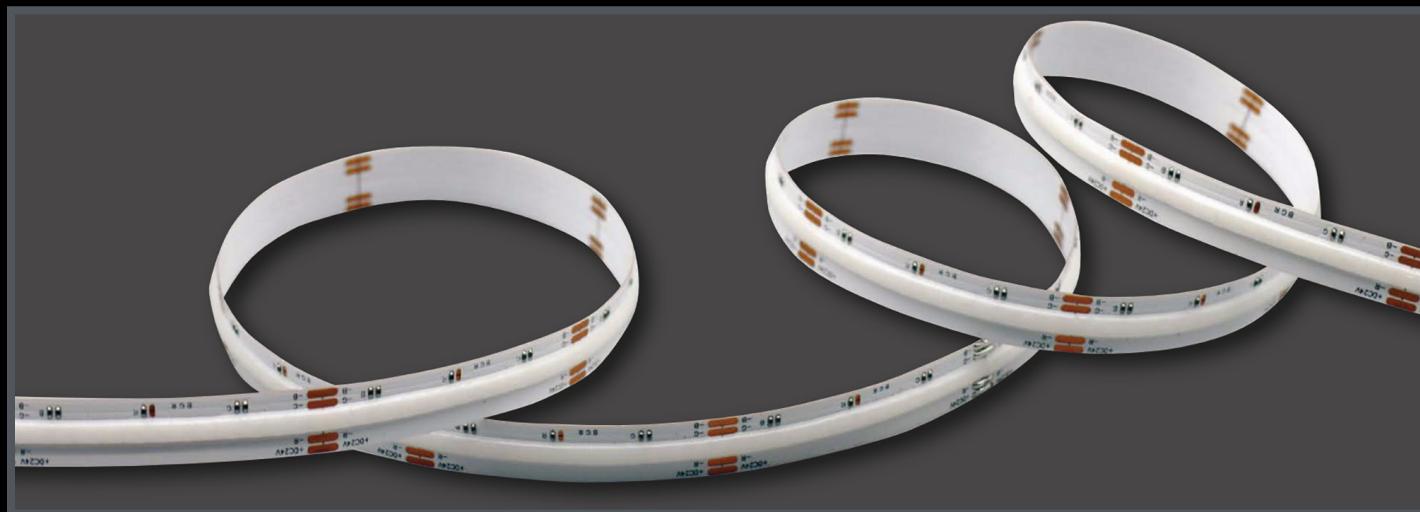
180°

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-15W-RGB	COB	15W	-	◆ 460nm ÷ 470nm	85 lm / m	10mm	20
				◆ 520nm ÷ 530nm	335 lm / m		
				◆ 620nm ÷ 630nm	125 lm / m		

HQS-COB-10W-X





FEATURES

- Full color
- Dimmable
- 180°beam angle
- 3 years warranty
- Used for indoor lighting

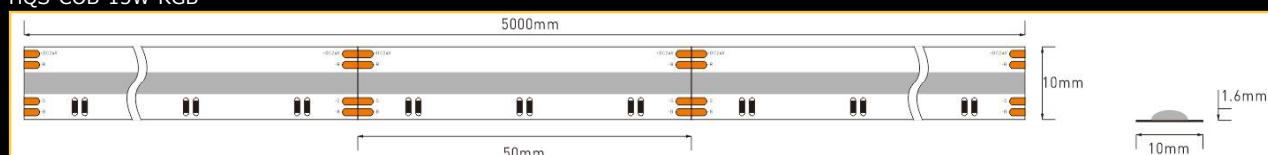
24VDC **≥90 CRI[RA]**

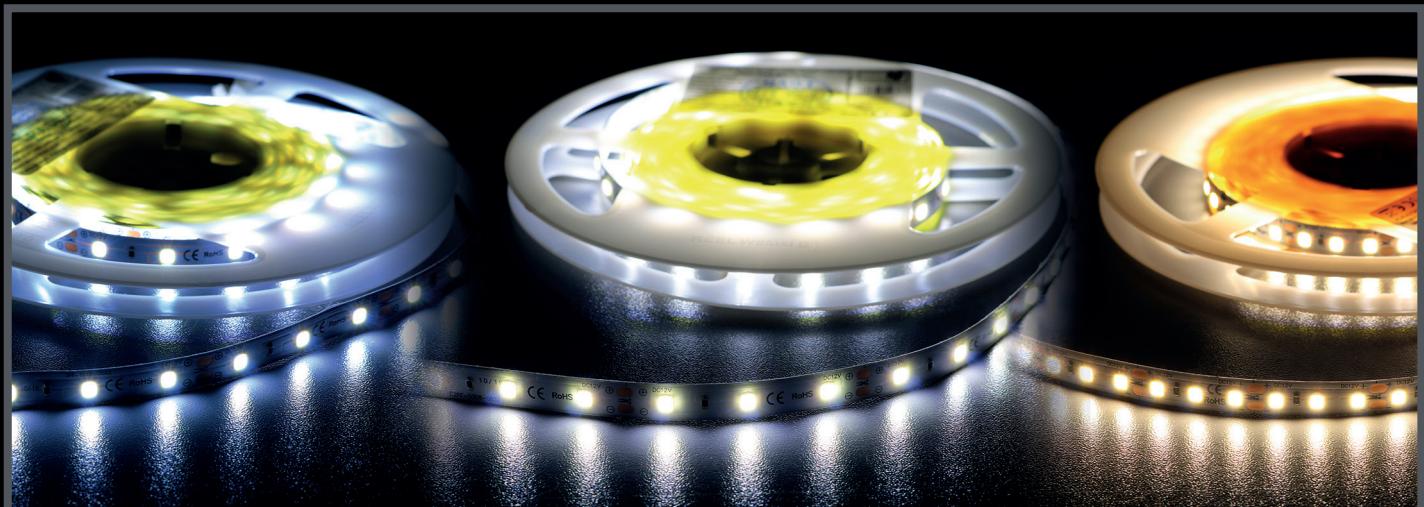
180°

CE **RoHS**

Model	LED type	Power	Current	Colour temp.	Luminous flux	Width	IP
HQS-COB-15W-RGB	COB	15W	-	● 460nm ÷ 470nm ● 520nm ÷ 530nm ● 620nm ÷ 630nm	85 lm/ m 335 lm/ m 125 lm/ m	10mm	20

HQS-COB-15W-RGB





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

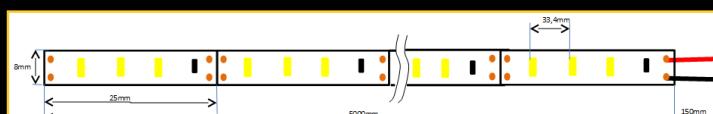
12/24VDC ≥70 CRI[RA]

∠120°

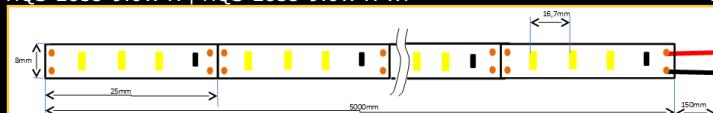
CE RoHS

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

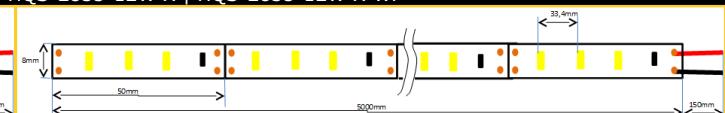
HQS-2835-6W-X | HQS-2835-6W-X-WP



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



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





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

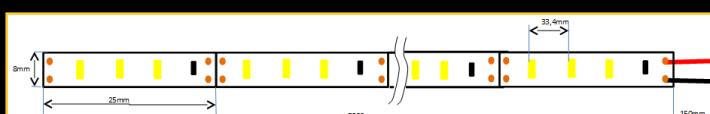
12/24VDC ≥ 70 CRI[RA]

120°

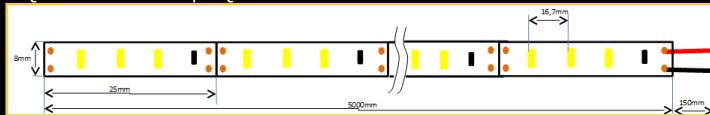
RoHS

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

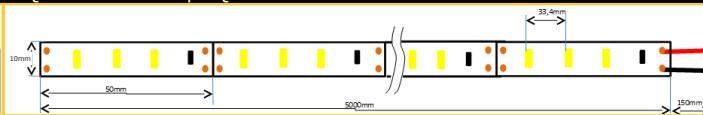
HQS-2835-6W-X | HQS-2835-6W-X-WP



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



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





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]

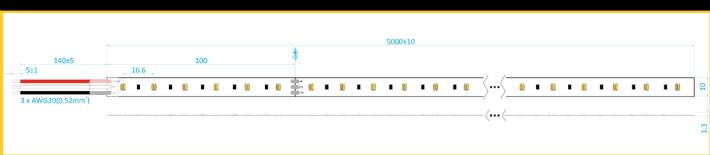
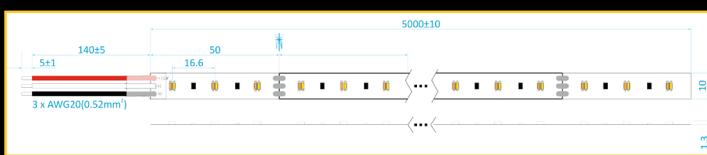


CE RoHS

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 	1730 lm ÷ 1920 lm / 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				

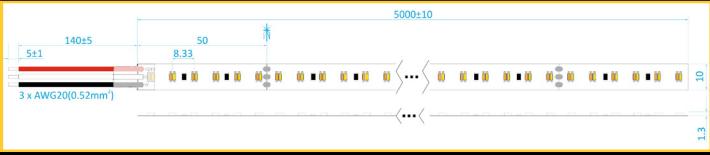
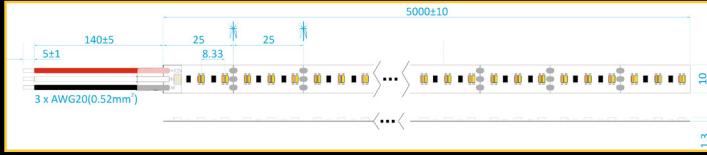
HQS-3527-60LED-9.6W-WWCW-12V

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



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

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





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]

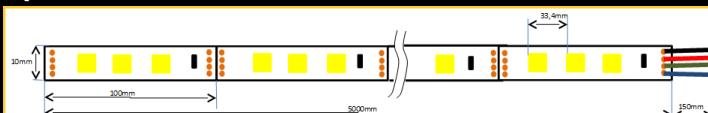
120°

CE RoHS

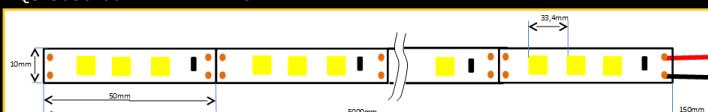
Model	LED type	Power	Current	Colour temp.	Luminous flux	Width	IP
HQS-5050-30LED-7.2W-RGB	30 x 5050	7.2 W	600mA / m	60lm ÷ 75lm	210lm ÷ 258lm	36lm ÷ 45lm	33
HQS-5050-30LED-7.2W-RGB-24V			300mA / m	8.33lm ÷ 10.42lm	29.17lm ÷ 35.84lm	5lm ÷ 6.25lm	
HQS-5050-30LED-7.2W-RGB-24V-WP			300mA / m	8.33lm ÷ 10.42lm	29.17lm ÷ 35.84lm	5lm ÷ 6.25lm	
HQS-5050-30LED-7.2W-RGBW-24V*			300mA / m	4.17lm ÷ 6.25lm	15.30lm ÷ 20.84lm	5lm ÷ 6.25lm	
HQS-5050-60LED-14.4W-RGB	60 x 5050	14.4W	1200mA / m	120lm ÷ 150lm	400lm ÷ 480lm	70lm ÷ 90lm	33
HQS-5050-60LED-14.4W-RGB-24V			600mA / m	6.94lm ÷ 7.98lm	15.3lm ÷ 16.6lm	3.96lm ÷ 4.65lm	10 mm
HQS-5050-60LED-14.4W-RGB-WP			1200mA / m	6.94lm ÷ 7.98lm	15.3lm ÷ 16.6lm	3.96lm ÷ 4.65lm	64
HQS-5050-60LED-19.2W-RGBW-WP*			1600mA / m	210lm ÷ 230lm	230lm ÷ 250lm	70lm ÷ 90lm	65
HQS-5050-60LED-19.2W-RGBW-WP-24V*	60 x 5050	19.2W	800mA / m	10.94lm ÷ 12lm	12lm ÷ 13lm	3.65lm ÷ 4.70lm	12 mm
HQS-5050-60LED-19.2W-RGBW*			1600mA / m	210lm ÷ 230lm	230lm ÷ 250lm	70lm ÷ 90lm	33
HQS-5050-60LED-19.2W-RGBW-24V*			800mA / m	32.3lm ÷ 32.8lm	26.5lm ÷ 27.0lm	24lm ÷ 24.5lm	~7 000K
HQS-5050-60LED-14.4WRGBNW-24V*	60 x 5050	19.2W	32.3lm ÷ 32.8lm	26.5lm ÷ 27.0lm	24lm ÷ 24.5lm	~4 000K	12 mm
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

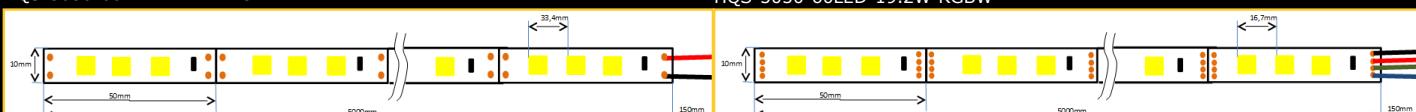
HQS-5050-30LED-7.2W-RGB

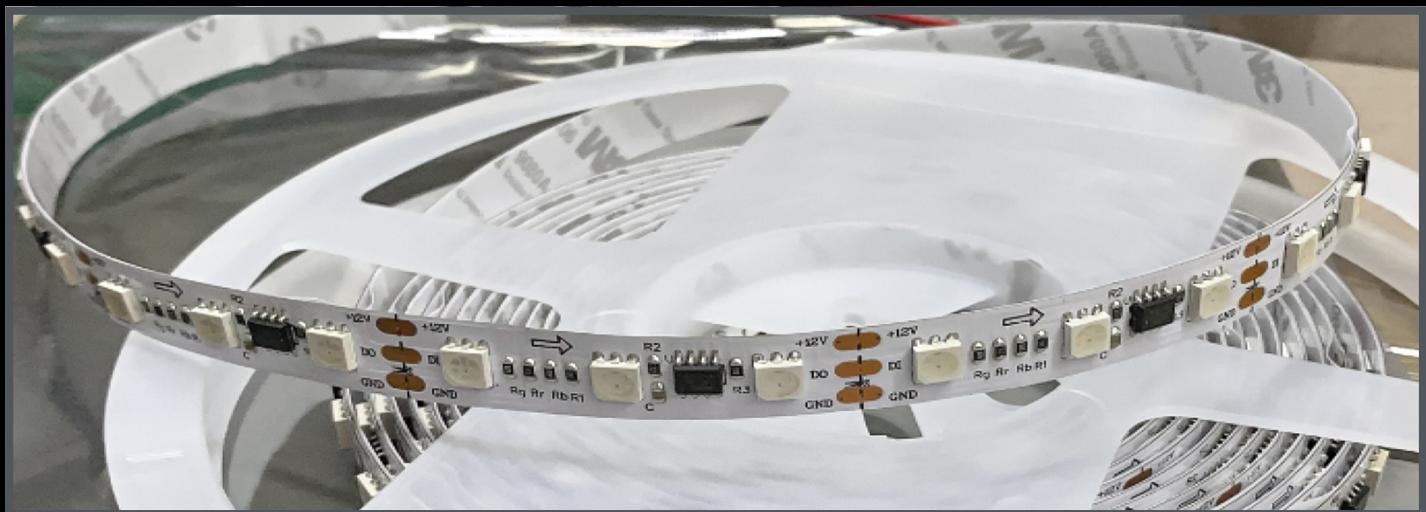


HQS-5050-60LED-14.4W-RGB



HQS-5050-60LED-19.2W-RGBW





FEATURES

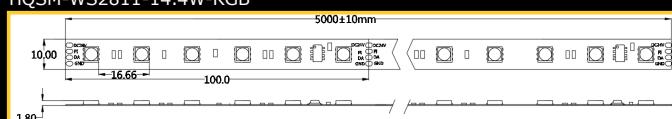
- Rolled cooper FPC, better thermal dissipation & bend-ability
- 20WAG or above cables
- Silicone coating process, waterproof grade IP33
- Constant Voltage Technology, Each 3 LED per unit with a couple of soldering pads for secondary operation
- Enhanced 5050 LED especially for strip products
- SPI Control

12VDC

CE RoHS

Model	LED type	Power	Current	Colour range	Luminous flux	Width	IP
HQSM-WS2811-14.4W-RGB	3V5050	14.4W	1200mA	◆ 510nm ÷ 520nm ◆ 460nm ÷ 470nm ◆ 620nm ÷ 630nm	240 lm 67 lm 115 lm	10mm	33

HQSM-WS2811-14.4W-RGB





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°



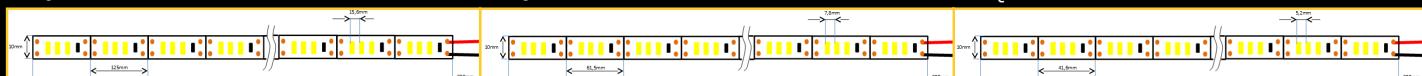
RoHS

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	864 lm/m		
UHQ-64LED-6W-WW-3kK-C90				~3000K	792 lm/m		
UHQ-64LED-6W-WW-2k7-C90				~2700K	778 lm/m		
UHQ-64LED-6W-WW-2k4-C90				~2400K	760 lm/m		
UHQ-64LED-6W-WW-2k2-C90				~2200K	710 lm/m		
UHQ-64LED-6W-WW-1k8-C90				~1800K	545 lm/m		
UHQ-128LED-12W-W-6kK-C90		12W	0.5A / m	~6500K	1674 lm/m		
UHQ-128LED-12W-NW-5kK-C90				~5000K	1728 lm/m		
UHQ-128LED-12W-NW-4kK-C90				~4000K	1728 lm/m		
UHQ-128LED-12W-WW-3kK-C90				~3000K	1589 lm/m		
UHQ-128LED-12W-WW-2k7-C90				~2700K	1557 lm/m		
UHQ-128LED-12W-WW-2k4-C90				~2400K	1521 lm/m		
UHQ-128LED-12W-WW-2k2-C90				~2200K	1418 lm/m		
UHQ-128LED-12W-WW-1k8-C90				~1800K	1089 lm/m		
UHQ-192LED-18W-W-6kK-C90	192 x 2835	18W	0.75A / m	~6500K	2516 lm/m	10mm	20
UHQ-192LED-18W-NW-5kK-C90				~5000K	2592 lm/m		
UHQ-192LED-18W-NW-4kK-C90				~4000K	2592 lm/m		
UHQ-192LED-18W-WW-3kK-C90				~3000K	2385 lm/m		
UHQ-192LED-18W-WW-2k7-C90				~2700K	2331 lm/m		
UHQ-192LED-18W-WW-2k4-C90				~2400K	2282 lm/m		
UHQ-192LED-18W-WW-2k2-C90				~2200K	2124 lm/m		
UHQ-192LED-18W-WW-1k8-C90				~1800K	1634 lm/m		

UHQ-64LED-6W-X-C90

UHQ-128LED-12W-X-C90

UHQ-192LED-18W-X-C90





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°

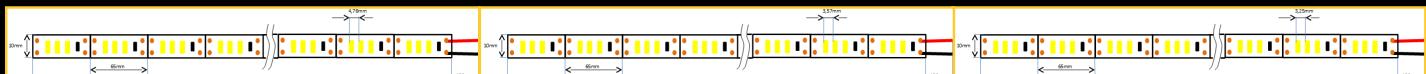
UL CE RoHS

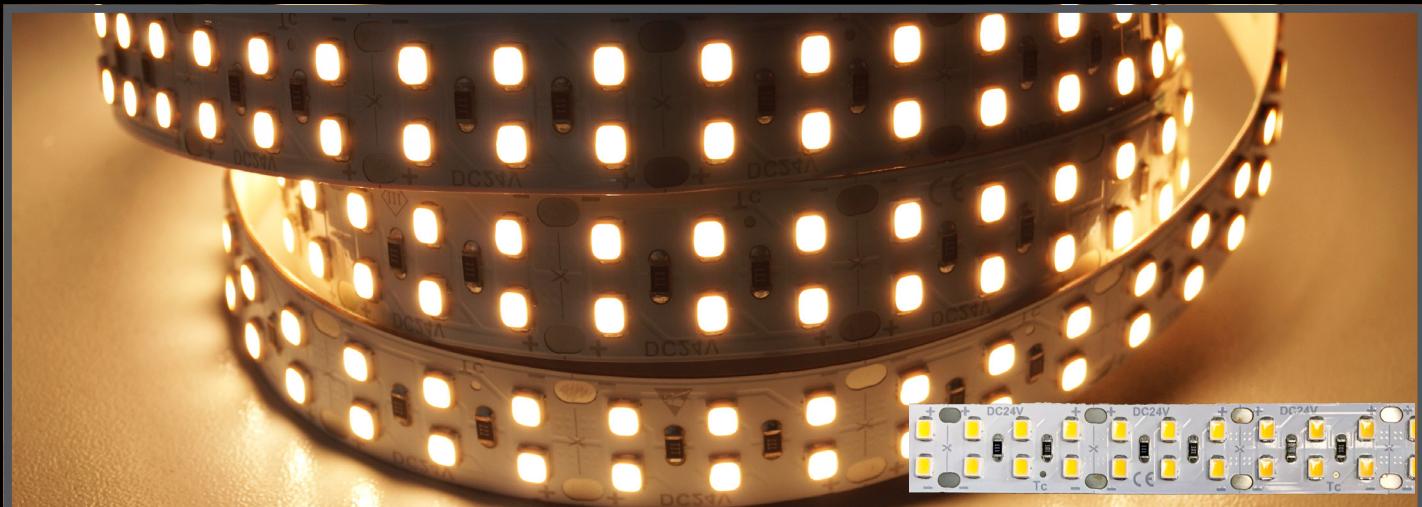
Model	LED type	Power	Current	Colour temp.	Luminous flux	Width	IP
UHQH-210LED-16W-C90-S3-W-6kK	210 x 2014	15.8W	0.65A / m	~6500K	1400 lm/m	10mm	20
UHQH-210LED-16W-C90-S3-NW-5kK				~5000K	1440 lm/m		
UHQH-210LED-16W-C90-S3-NW-4kK				~4000K	1325 lm/m		
UHQH-210LED-16W-C90-S3-WW-3kK				~3000K	1295 lm/m		
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	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	1190 lm/m		
UHQH-280LED-21W-C90-S3-WW-2k2				~2200K	1070 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	10mm	20
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	1660 lm/m		
UHQH-308LED-23W-C90-S3-WW-2k2				~2200K	1550 lm/m		
UHQH-308LED-23W-C90-S3-WW-1k8				~1800K	1430 lm/m		

UHQH-210LED-16W-C90-S3

UHQH-280LED-21W-C90-S3

UHQH-308LED-23W-C90-S3





FEATURES

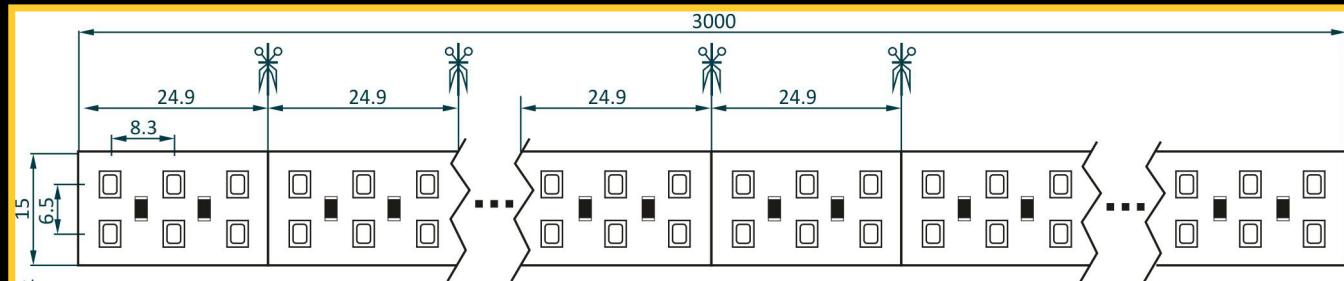
- Luminous efficiency up to 83lm/W
- ERP system, good colour uniformity
- Anti-oxidation by silver for bonding pad
- 3oz pure copper PCB
- Easy installation with 3M adhesive tape
- 3 years or 13,000 hours, whichever comes first

24VDC ≥ 90 CRI[RA]



RoHS

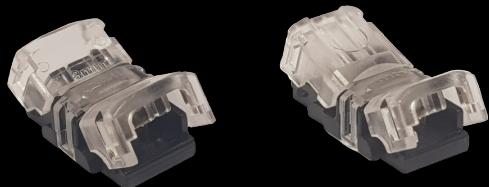
Model	LED type	Power	Current	Colour temp.	Luminous flux	Width	IP
UHQD-240LED-28W-C90-S5-W-6kK	240 x 2835	28W	1.16A / m	~6500K	2580 lm/m	15mm	20
UHQD-240LED-28W-C90-S5-NW-5kK				~5000K			
UHQD-240LED-28W-C90-S5-NW-4kK				~4000K			
UHQD-240LED-28W-C90-S5-WW-3kK				~3000K			
UHQD-240LED-28W-C90-S5-WW-2k7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

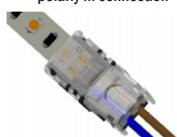
- For LED Strip 8mm or 10mm connection
- For fine LED Strip with wire connection
- Estetic design
- Latch system
- No-soldering system
- Galvanic connection

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

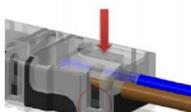
Cut the wires, do not remove the isolation



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



Squeeze connector to using pliers with one fast move



Ready!



LED Accessories



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

LED Accessories



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

LED Accessories



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

SURFACE PROFILES



GLALU
GLOBAL LEADER ALUMINIUM

SERIES PROFILE

AL12-GLS1-XXXX

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

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

MATERIAL: **ALUMINIUM**

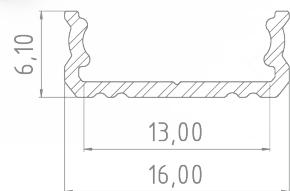
APPLICATION: **STANDARD CORNER**

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**

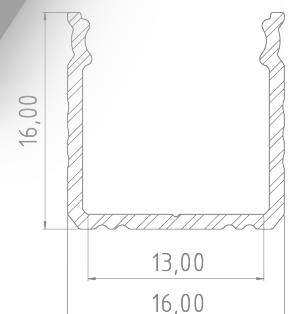
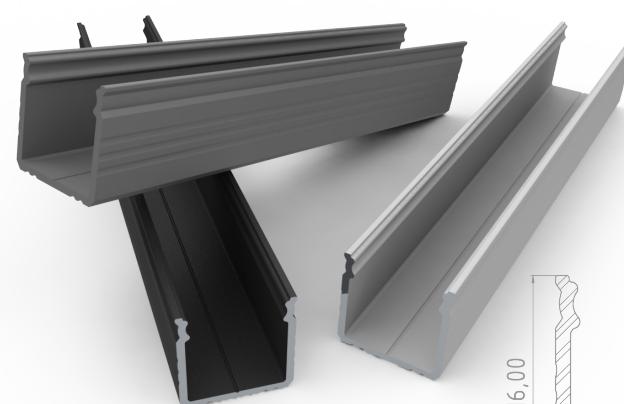
SURFACE

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**		

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

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

FOR AL12-GLS3 SERIES **MOUNTING BRACKETS**

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

***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)

***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

GROOVE PROFILES



GLALU
GLOBAL LEADER ALUMINIUM

SERIES PROFILE

AL12-GLG1-XXXX

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

AVAILABLE COLOURS: SILVER, WHITE, BLACK

MATERIAL: ALUMINIUM

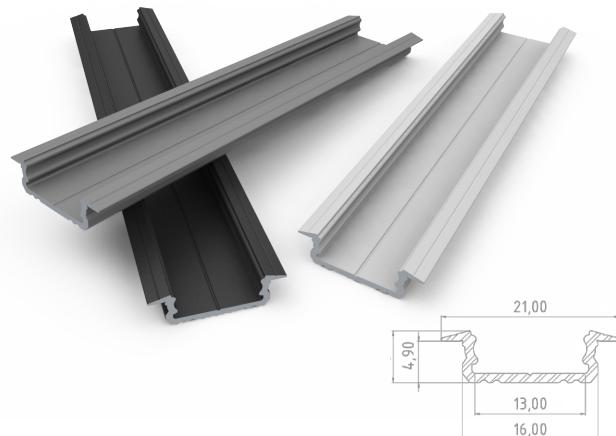
APPLICATION: GROOVE, RECESSED TILES

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

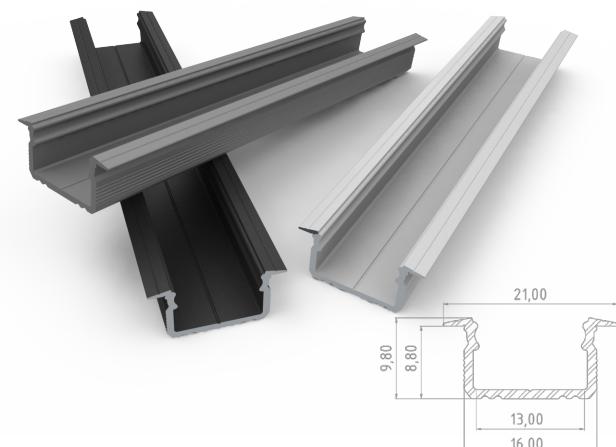
APPLICATION: GROOVE, RECESSED TILES

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

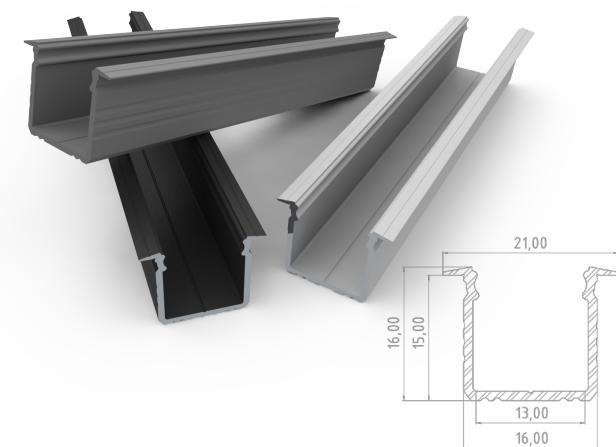
APPLICATION: GROOVE, RECESSED TILES

LED STRIP WIDTH: UP TO 12 MM

LENGTHS

PRIMARY: 2020MM

ADDITIONALLY: 1000MM, 3000MM, 4150MM



SERIES PROFILE

AL12-GLG5-XXXX

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

AVAILABLE COLOURS: SILVER, WHITE, BLACK

MATERIAL: ALUMINIUM

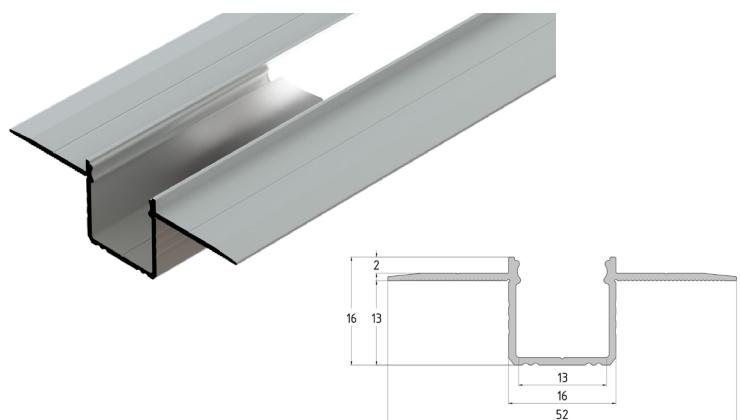
APPLICATION: GROOVE, SMALL FLUSH-MOUNTED

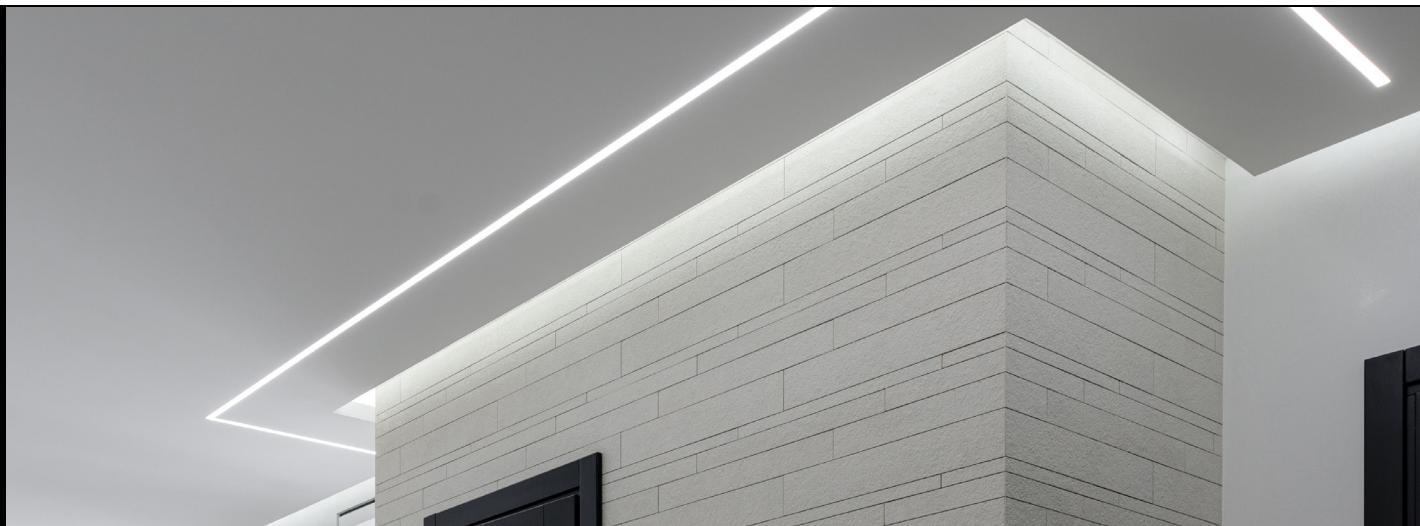
LED STRIP WIDTH: UP TO 13 MM

LENGTHS

PRIMARY: 2020MM

ADDITIONALLY: 1000MM





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)



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

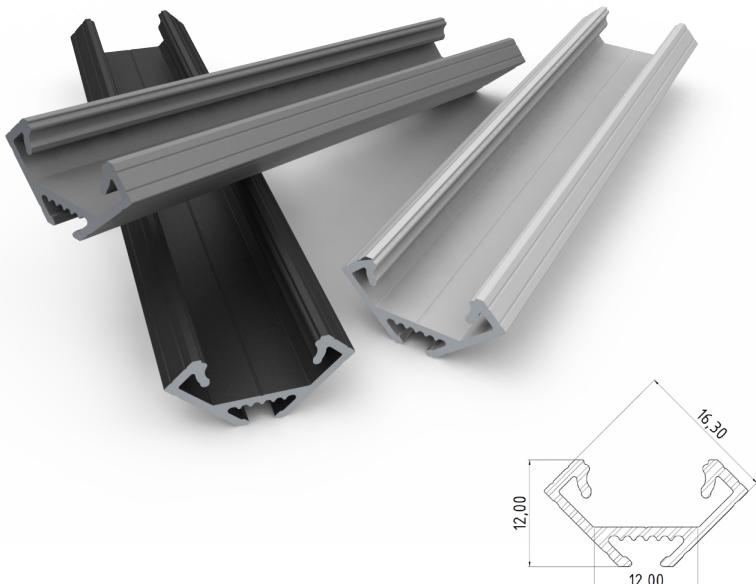
APPLICATION: STANDARD CORNER

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

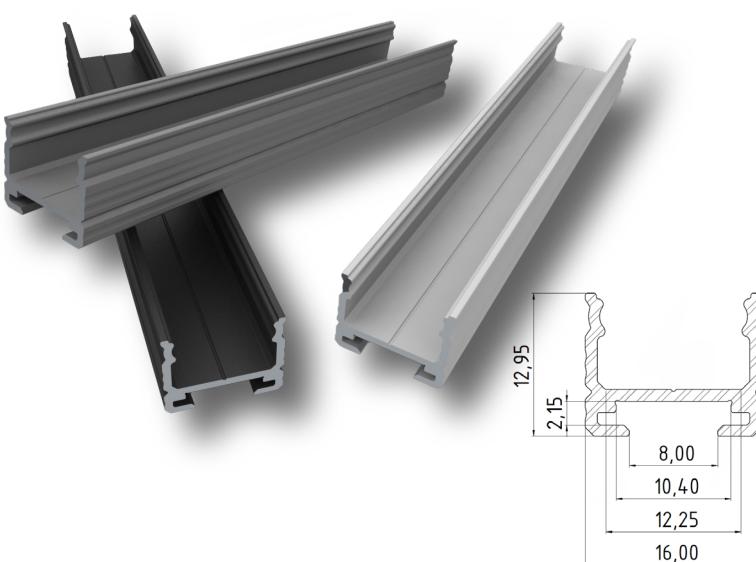
SURFACE

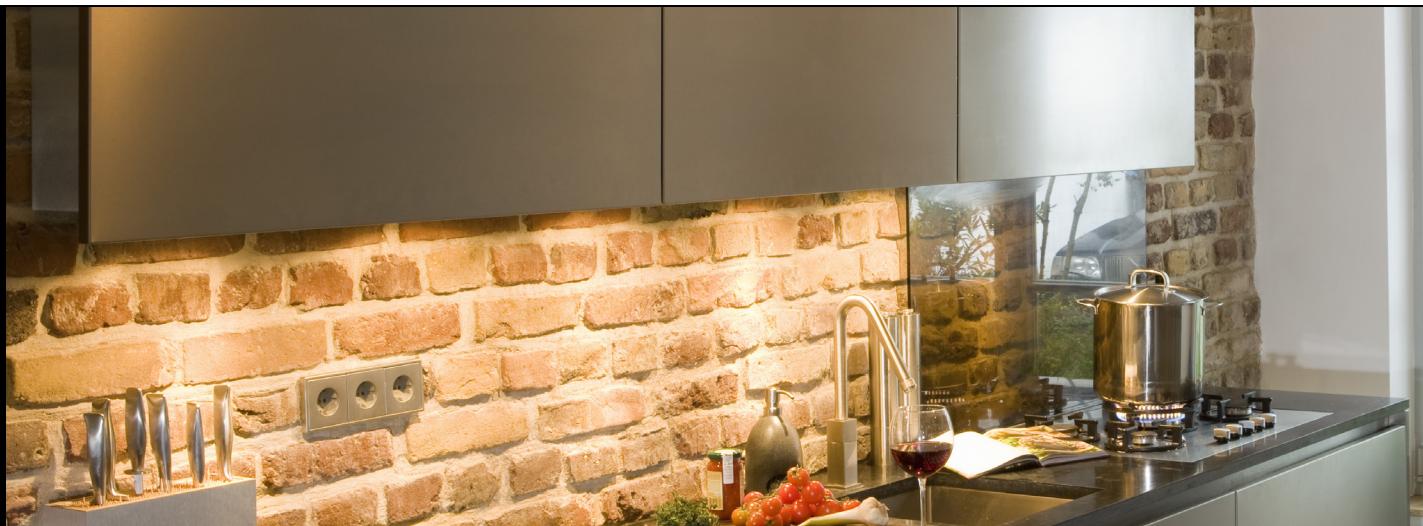
LED STRIP WIDTH: UP TO 12 MM

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		

FOR AL12-GLC

MOUNTING BRACKETS

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

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

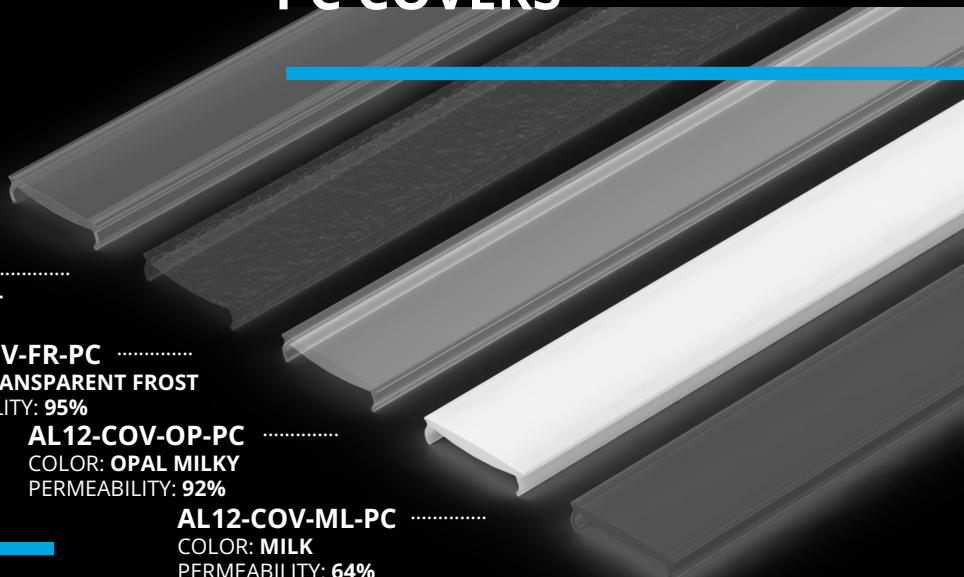
*SET50 - set of 50 pcs of clips, 50 pcs of PZ1 3x16mm screws

*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)



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

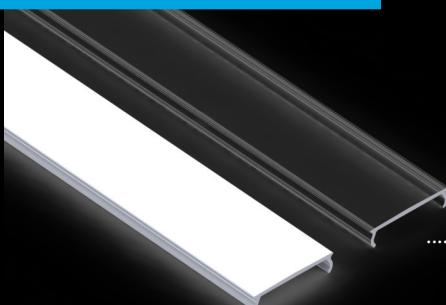
PERMEABILITY: 64%

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 CONSUMPTION:

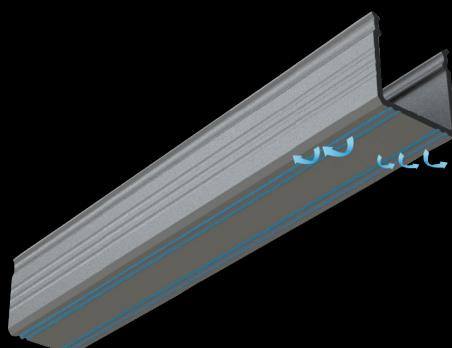
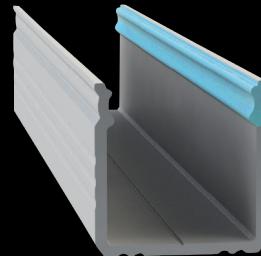
	LED strip max 6W/m	LED strip max 9,6W/m	LED strip max 12W/m	LED strip max 18W/m	LED strip max 24W/m
GLS1	PC	PVC*	PC	PC	---
GLS2	PC	PVC**	PC	PC	---
GLS3	PC	PVC**	PC PVC*	PC PVC*	PC
GLG1	PC	PVC*	PC	PC	---
GLG2	PC	PVC**	PC	PC	---
GLG3	PC	PVC**	PC PVC*	PC PVC*	PC
GLC1	PC	PVC**	PC	PC	---
GLM	PC	PVC**	PC	PC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

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



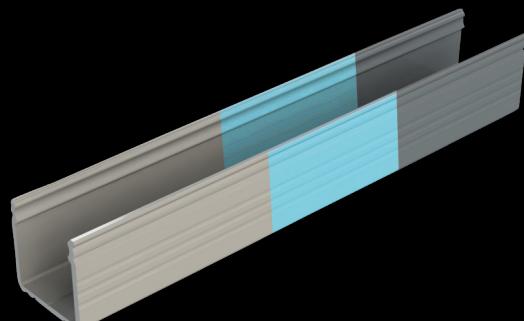
EASY COVER ASSEMBLY

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



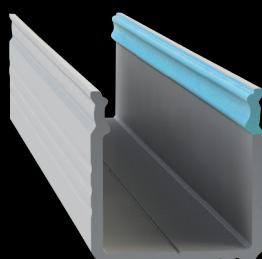
HEAT DISSIPATION

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



 Power supplies and power systems	 Batteries and battery packs	 Cable harness	 LED lighting / LED power systems	 ODM and OEM project
 Cooperation with recognised brands	 3000m ² warehouse in Poland	 Production facility in the company 50 people and in the group more than 200	 17 years on the market in 23 countries	 Attractive prices, short lead times and elasticity of order processing



DESIGN



PRODUCTION



SALE

www.mpltronik.pl

PRODUCTS

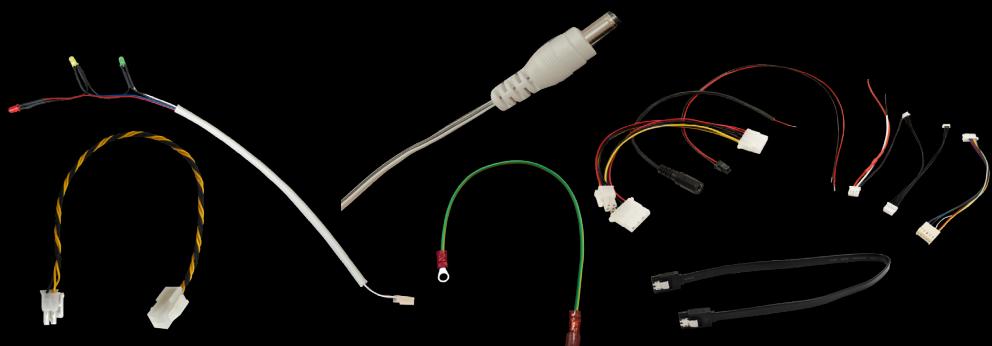


BATTERY PACKS



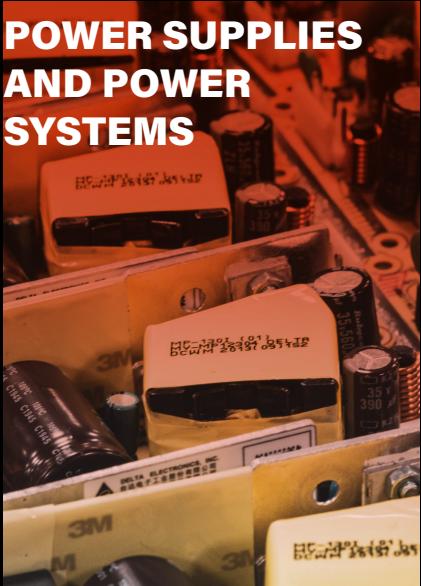
We design and manufacture battery packs where are used rechargeable cells in technologies: Ni-Cd, Ni-MH, Li-ion, LiFePO₄ and LiPO. We offer cells of our own import as well as those of global brands. The design process takes into account individual requirements for cells, PCM/BMS modules and operating conditions ensuring compliance with required pack parameters. The manufacturing process includes formating and selection of the cells in each pack. The cells are then combined together to achieve the required capacity and shape of the pack.

CABLE HARNESS



We're equipped with high pressure injection mold machine and manufacture power and data transmission cable harnesses. These are designed according to customer specification and then samples are made to check that the workmanship and compliance with requirements. Thanks to our access to a broad product base of wires, connectors, terminals and connectors, we are able to offer the product made on components from specification as well as on replacement components. This allows the customers to choose the option that meets their requirements and competitive price.

POWER SUPPLIES AND POWER SYSTEMS



In design and manufacturing process we use our own power supply modules which ensures cost efficiency.

We design electric circuits, PCB, mechanical parts and program microcontrollers

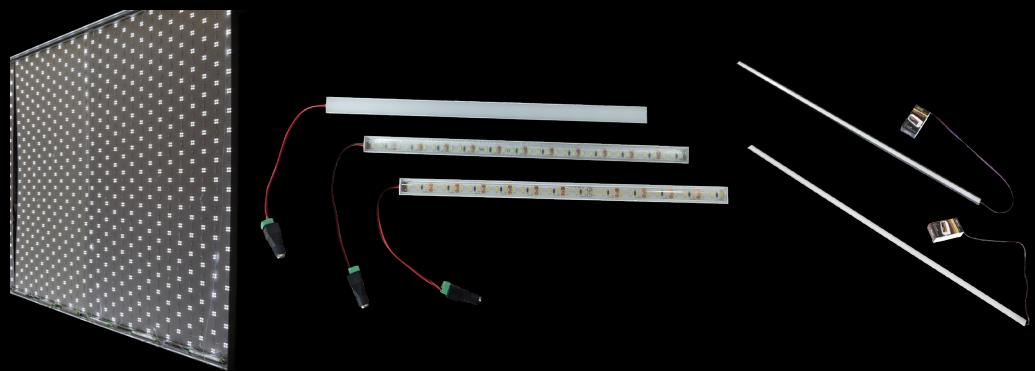
- We prepare prototypes as well as technical and manufacturing documentation. Mainly we deal with:
- Design custom and dedicated additional systems of power supplies for instance alarm signals
- Design additional modules of power supplies for instance back-up battery modules
- Parameters customization for specific customer requirements and implementation of additional equipment power supplies integrated in final product for instance output voltage adjustment, modification of overcurrent protection, add or change wiring, assembly of additional mechanical parts.



SYSTEMS

LED LIGHTING

LED POWER SUPPLY



In design and manufacturing process we use our own mechanical components (LED profiles and covers) and light sources (LED strips, LED modules) which ensures cost efficiency.

Mainly we deal with:

- Design Led lighting systems by applying modifications of standard products for required led strip and LED profile length, wiring, connectors and supply.
- Design backlight systems made on LED modules for instance backlit advertising board, 3D letters and signs, lighboxes, pylons equipped with supply.

STANDARD PRODUCTS



Industrial power supplies

LED drivers, LED power supplies

VRLA AGM, lead-carbon, GEL batteries

**Our products are used and have gained recognition
in areas such as:**

- LED lighting
- robotics
- cash registers
- medical equipment
- transportation
- home and industrial automation
- telecommunications
- emergency lighting
- LED screens/tables
- photovoltaics



Our best intention is to provide the highest quality of services, we care about our clients satisfaction. We always try to keep best manufacturing standards. This is why our products are designed, tested and manufactured according to applicable standards.

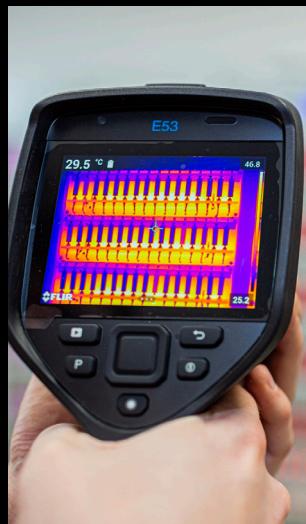
OUR APPARATUS

- Welding machine
- Wire cutting and striping machine
- Crimping machine
- Cell charging and discharging machine
- High pressure injection mold machine



OUR MEASURING INSTRUMENTS

- Multichannel laboratory battery tester
- Climatic chamber
- Infrared Camera
- Electronic AC and DC load
- EMC measurement station
- Power supply and battery measurement station
- Light sources measurement station.



Why is it worth choosing us?



NEW POSSIBILITIES



10,000 STORAGE SPACES



BEST BUSINESS CONDITIONS



LONG-TERM COOPERATION

WE OFFER AS WELL:



Photovoltaic



Air-conditioning



Batteries



Batteries



Emergency power systems



LED power supplies

www.waks.pl
<https://b2b.waks.pl>



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