



# DECODER

BY **Lumenergy**<sup>™</sup>

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1-888-6LE-DLED / 1-888-653-3533








































**Professional LED Products**





# INDEX

<b>PL100</b> Recessed Aluminum LEDs .....	4
<b>Renovation Kit</b> .....	4
<b>PL107</b> Recessed Aluminum Swivel LEDs with Regular Rim .....	5
<b>PL200</b> Recessed LEDs with Aluminum Plating .....	6
<b>PL300</b> Surface LEDs .....	7
<b>PL500</b> Recessed Mini LEDs .....	8
<b>PW100</b> Wall Washers, Recessed LEDs .....	8
<b>PLA</b> Arm Lighting .....	9
<b>PW200</b> Square Recessed Wall LEDs .....	10
<b>LED Strip Tape</b> Mini LEDs .....	11
<b>LED Modules</b> .....	12
<b>Connection system</b> .....	13


## LEGEND

 <b>3V</b>	 <b>12V</b>	 <b>24V</b>	 <b>120V</b>	Voltage	 Indoor Usage	 1W per lamp if used with a 350mA Constant Current power supply unit
 <b>CW</b>	Cool White Color (5600K)			 Outdoor Usage	 3W per lamp if used with a 700mA Constant Current power supply unit	
 <b>NW</b>	Neutral White Color (4200K)			 15° - View Angle	 Ingress Protection - Dripping water, use in outdoor sheltered positions	
 <b>WW</b>	Warm White Color (2900K)			 30° / 38° - View Angle	 Ingress Protection - Dust, low pressure water jets from any direction	
 <b>RD</b>	Red Color			 60° - View Angle	 Ingress Protection - Fully waterproof	
 <b>YL</b>	Yellow Color			 120° - View Angle	 20 000 Hours - Long Lifespan	
 <b>BL</b>	Blue Color			 EDISON LED	 30 000 Hours - Long Lifespan	
 <b>GR</b>	Green Color			 CREE LED	 Energy Efficient	
 <b>PU</b>	Purple Color			 Diameter	 Use with Constant Current EzLed Power Supply only	
 <b>PK</b>	Pink Color			 Width	 Use with Constant Voltage EzLed Power Supply only	
 <b>AM</b>	Amber Color			 Height or Depth	 Adjustable Beam	
 <b>RGB</b>	Multicolor (RGB) Red Green Blue			 Hole Size		
				 Dimmable		

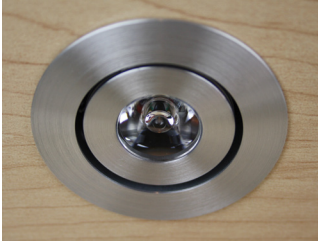
 CE is a manufacturer's declaration that the product complies with the relevant European directives and norms.

 RoHS (Directive 2002/95/EC) stands for Restriction of Hazardous Substances in electrical and electronic products.

 <sup>us</sup> Certification of *Underwriters Laboratories* concerning product safety.

 <sup>us</sup> Components recognized by *Underwriters Laboratories*.

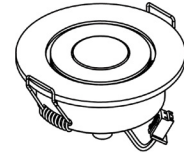
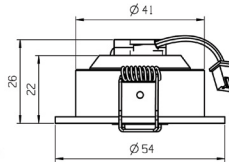
## PL100 Recessed Aluminum LEDs



With thin beveled edge

### PL100

- 2 1/8" 54mm
- 5/6" 22mm
- 1 3/4" 41mm



**Features**

		SPOT	FLOOD	XSPOT
WW	NW	3W-1 700mA	IP22	3V
CC	CREE			

**Quick & Easy Connection**

See p.13

**Finishing**  Alu  White

### Ordering Logic (e.g.: PL100-F2-Alu-WW-15°)

Model	Interior Finishing	Finishing	Color Temperature	View Angle
PL100	F2	Alu WH	Warm White (WW) 3000K Neutral White (NW) 4200K	15° 30° 60°

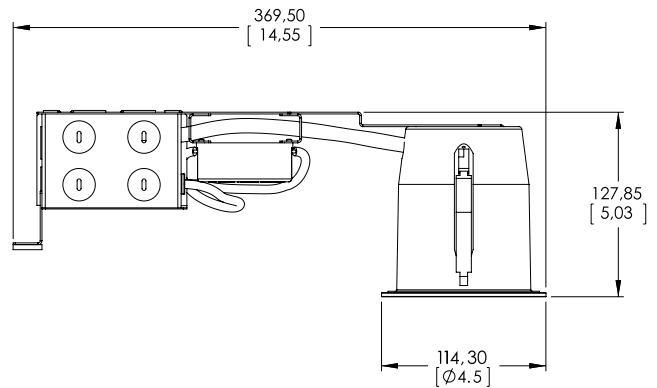
## Renovation Kit (Commercial Grade)

- IC remodel housing, approved for direct contact with insulation
- Airtight housing, compliant with ASTM E 283 requirements
- Housing for new construction
- Dimmable power supply included



- 14 1/2" 369.5 mm
- 5" 127.5 mm

**Finishing**  White  Black  Alu



**Features**

		375mA	IP22	30°
WW	NW	CC		

**Quick & Easy Connection**

See p.13



# PL107 Recessed Aluminum Swivel LEDs with Regular Rim

- Dimmable Power Supply Included
- Swivel light, with a 30° view angle
- Rugged aluminum construction
- One-piece heatsink for better cooling
- Prismatic lens cover for uniform light diffusion and prevention of eye fatigue
- Ingress Protection IP22, indoor only



**Caractéristiques**

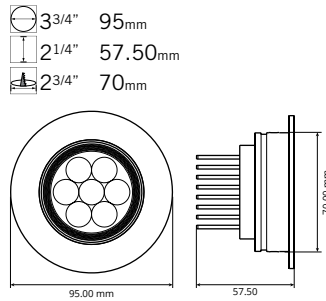
		375mA	IP22	
WW	NW	CW	DW	RGB
CC				

**Quick & Easy Connection**

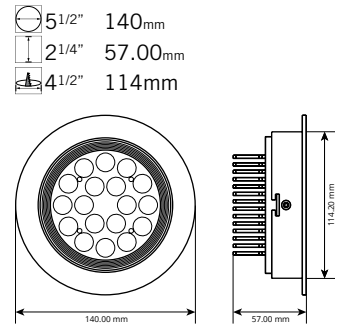
voir p.13



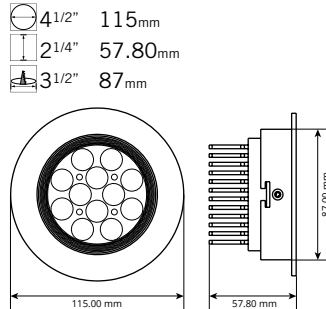
**PL107-3W6LED**



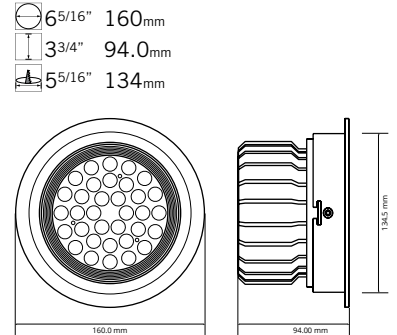
**PL107-12W18LED**



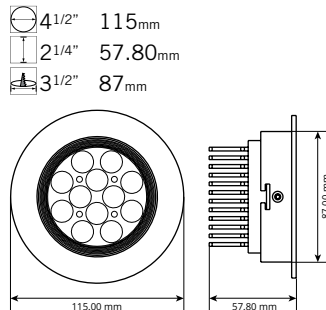
**PL107-7W12LED**



**PL107-24W36LED**



**PL107-7W12LED DUAL WHITE**



**Dimmable Power Supply Included**

**Finishing**  White  Black  Alu

**Trim**  Round  Square

Ordering Logic (e.g.: **PL107-3W-Alu-CW-30°**) \*For PL107-RGB only

Model	Wattage	Exterior Finishing	Finishing	Color Temperature	View Angle
PL107	3W	Round	Alu	Warm White (WW) 2870-3220K	30°
	7W	Square	White	Neutral White (NW) 3710-4260K	
	12W		Black	Cool White (CW) 5310-6020K	
	24W			Dual White	
				Red, Green, Blue*	

# PL200 Recessed LEDs with Aluminum Plating



With Aluminum PLating

**PL200**  
 2 3/8" 60mm  
 1" 25mm  
 2" 50mm



**Features**

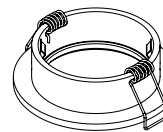
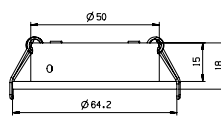
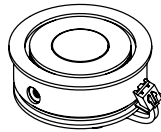
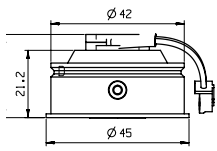
CW	NW	WW	1W-1 350mA	3V	50000 HOURS LIFE
IP22	GREEN	CE	KoHS		

**Quick & Easy Connection**

See p.13

## Finishing

White Alu Black



## Exterior Finishing

	R1	S1	S2	S3	S4	S4S
	Height/Width/Length		Outside Diameter		Hole diameter	
R1	1" / N/A / N/A - 25mm / N/A / N/A		2 3/8" - 60mm		2" - 50mm	
S1	1" / N/A / N/A - 25mm / N/A / N/A		2 6/16" - 60mm		2" - 50mm	
S2	1" / 4 3/4" / 2 9/16" - 25mm / 120mm / 65mm		N/A		4 1/16" - 2 1/8" - 104mm - 54mm	
S3	1" / 7 1/16" / 2 9/16" - 25mm / 179mm / 65mm		N/A		6 1/16" - 2 1/8" - 162mm - 54mm	
S4	1" / 9 3/16" / 2 9/16" - 25mm / 233mm / 65mm		N/A		8 9/16" - 2 1/8" - 217mm - 54mm	
S4S	1" / 4 3/4" / 4 3/4" - 25mm / 120mm / 65mm		N/A		4 1/4" - 4 1/16" - 108mm - 104mm	
MT						

## Interior Finishing

F2

## Ordering Logic (e.g.: PL200-S2-F2-Alu-NW-60°)

Model	Exterior Finishing	Interior Finishing	Finishing	Color Temperature	View Angle
PL200	*R1 *S1 S2 S3 S4 S4S MT	F2	Alu White (* R1 & S1 only) Black (* R1 & S1 only)	Cool White (CW) 5600K Neutral White (NW) 4200K Warm White (WW) 300K	15° 25-30° 45° 60°

# PL300 Surface LEDs



**PL303FL**  
 ⌀ 2 3/4" 70mm  
 9/16" 14mm  
 Screw onto surface



**NEW!**  
 This product is now available as a 3-pack surface light kit

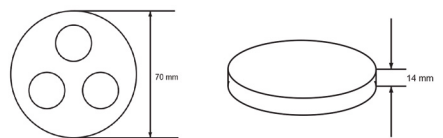
**Features**

- Lightbulb icon
- Home icon
- NW
- CW
- WW
- OSRAM
- 120°
- IP22
- 30000 HOURS LIFETIME
- CV
- 12V

**Quick & Easy Connection** **ELED POWER**  
 See p.13

**12 VDC Direct**

**Fini**  Alu  White  Black



Ordering Logic (e.g.: **PL303-Alu-3200K-WW-60°**)

Model	Exterior Finishing	Finishing	Color Temperature	View Angle	Luminous Flux
PL303FL		Alu White Black	Cool White (CW) 5800K Warm White (WW) 3200K Neutral White (NW) 4200K	120°	CW: 230-260Lm





## PL500 Recessed Mini LEDs



**PL501R**  
 ⌀ 1 7/32" 32mm  
 1 5/16" 3mm  
 1" 25mm



**PL501S**  
 ⌀ 1 3/16" 30mm  
 1 5/16" 3mm  
 1" 25mm

Features

CW	WW	1W-1 350mA	IP22	CC
CREE				

Quick & Easy Connection

ELED POWER

See p.13



**PL502R**  
 ⌀ 1 5/8" 41mm  
 1 5/16" 26mm  
 1 5/16" 33mm

PRICE

0 to 20 items: \$34.95  
 21 to 50 items: \$31.45  
 51 items and more: \$29.01

**Finishing**  Black  Alu

Ordering Logic (e.g.: **PL501R3W-Black-WW-15°**)

Model	Finishing	Color Temperature	View Angle
PL501R3W	Alu	Cool White (CW) 5600K	15°
PL501S3W	Black	Warm White (WW) 2900K	30°
PL502R3W			60°
PL503R3W			

## PW100 Wall Washers, Recessed LEDs



**PW101 R**  
 ⌀ 1 31/32" 50 mm  
 1 3/16" 30 mm  
 2 11/64" 55 mm

1 opening



**PW101 S**  
 ⌀ 1 31/32" 50 mm  
 1 3/16" 30 mm  
 2 11/64" 55 mm

1 opening

Features

			WW	CW
IP22	CC	CREE	3W-1 700mA	

Quick & Easy Connection

ELED POWER

See p.13



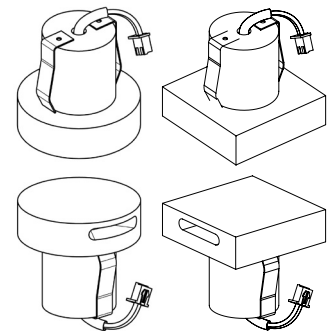
**PW102 R**  
 ⌀ 1 31/32" 50 mm  
 1 3/16" 30 mm  
 2 11/64" 55 mm

2 openings



**PW102 S**  
 ⌀ 1 31/32" 50 mm  
 1 3/16" 30 mm  
 2 11/64" 55 mm

2 openings



**Finishing**  Alu

Ordering Logic (e.g.: **PW102S-Alu-WW**) \*The PW101R & PW102R have a wider view angle.

Model	Finishing	Color Temperature	View Angle
PW101R (1 opening)	Alu	Warm White (WW) 3000K	*60-80°
PW102R (2 openings)		Cool White (CW) 5600K	
PW101S (1 opening)			
PW102S (2 openings)			

**Features**

**Quick & Easy Connection**

**E-LED POWER**

See p.13



**PLA150** Finishing: Black

8.20" 210mm  
 4.30" 110mm  
 0.975" 25mm



**PLA301 mini**

2.85" 72mm

Finishing: Black



**PLA301** Finishing: Black

8" 203mm  
 4.30" 110mm



**PLAD150**

5" 128mm  
 2" 50mm

Finishing: Black



**PLAT150**

7" 178 mm  
 2" 50 mm

Finishing: Black

Ordering Logic (e.g.: PLA302S-Alu-WW-60°)

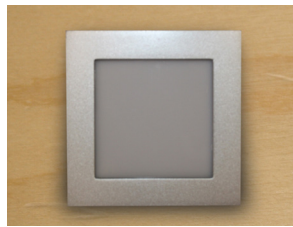
Model	Finishing	Color Temperature	View Angle
PLA301	Noir	Warm White (WW) 2900K	60°
PLA301-MINI		Neutral White (NW) 4200K	
PLAT150			18° - 35°
PLAD150			8° - 38°
PLA150			18° - 55°

# PW200 Square Recessed Wall LEDs



**PW201-S**

- 3 5/9" x 3 5/9"
- 1 4/7"
- 3 1/7" x 3 1/7"



**PW202-S-GL**

- 3 5/9" x 3 5/9"
- 1 4/7"
- 3 1/7" x 3 1/7"

**Features**

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- 
- 
- 
- 
- 
- 
- 
- 

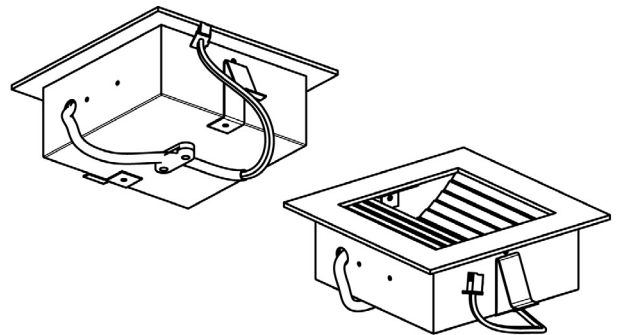
**Quick & Easy Connection**

See p.13



**PW203-R**

- 3 5/9" x 3 5/9"
- 1 4/7"
- 3 1/8" x 3 1/8"



**Finishing**  White  Alu

**Ordering Logic (e.g.: PW202SGL-White-WW)**

Model	Finishing	Color Temperature
PW201-S	Alu	Cool White (CW) 5600K
PW202-S-GL	White	Warm White (WW) 2900K



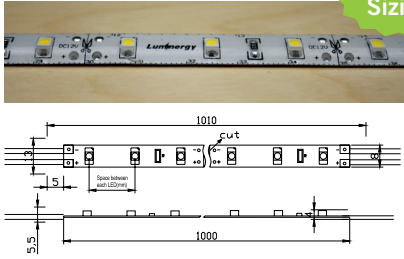


# LED Strip Tape Mini LEDs

## Regular

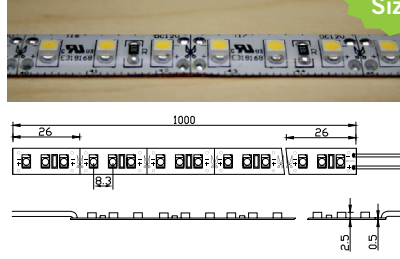
**ST-4,8 IP65**

Custom Sizing



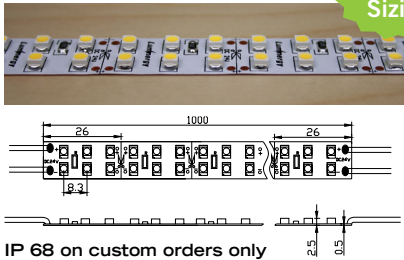
**ST-9,6 IP65**

Custom Sizing



**ST-19,2 IP22**

Custom Sizing



**Features**

		CW	NW	WW
BL	RD	GR	AM	RGB
IP22	IP65	IP68	CV	

**Quick & Easy Connection**

See p.13



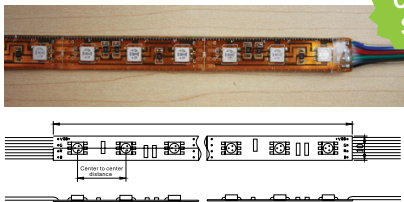
**REQUEST**  
The Catalogue

For more information on power supply units to use with our LED strip tapes.

## RGB

**ST-RGB-14,4 IP22**

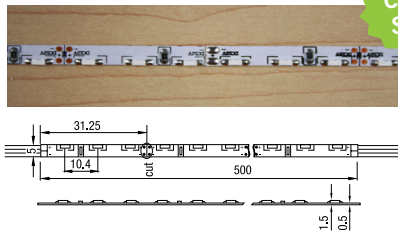
Custom Sizing



## Side

**SIDE-7,7 IP65**

Custom Sizing



**These Products Are Made To Order**

Apart from being available in a roll, **LED strip tapes** can also be made to order, to suit your exact requirements. Please do not hesitate to request our order form and prices to help you with the purchase of **LED strip tapes**.

### Ordering Logic (e.g.: ST19,2-22-24VDC-Red)

By meter or by roll - 1 roll = 5 meters / 16,4 feet. \* Certain colors are available on special orders.

Model	IP	Voltage	Color Temperature
*ST-4,8	22-65-68	12V DC	Cool White (CW) 5600K, Neutral White (NW) 4200K, Warm White (WW) 3000K,
*ST-9,6	22-65-68	12V DC	Blue, Red, Green, Amber, Pink & Purple
*ST19,2	22	12-24V DC	
ST-RGB-14,4	22 or 68	12V DC - 24V DC	RGB
*ST-SIDE-7,7	22 or 68	12V DC	Cool White (CW) 5600K Warm White (WW) 2900K

# LED Modules

## RGB Modules



### MOD-T3 RGB IP65

70 mm x 15 mm  
9 mm

Features

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**Quick & Easy Connection**

See p.13

For connection, power supplies, DMX control systems, and dimmers, please refer to our LTECH catalogue.

### Ordering Logic (e.g.: FLEX-MODT3-RGB-IP65-12V)

\* Certain colors are available on special orders.

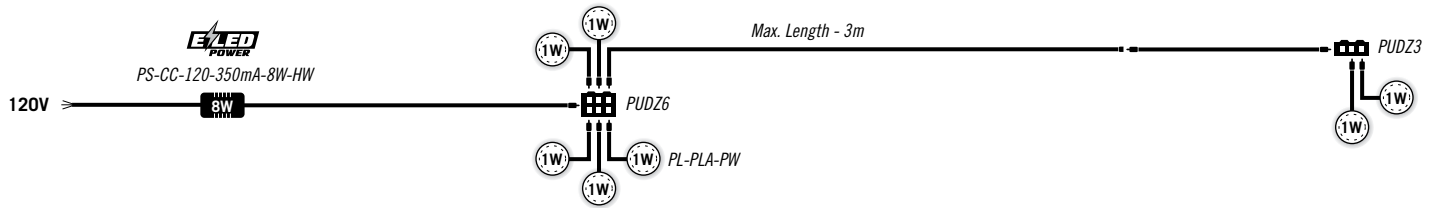
Model	IP	Voltage	Color Temperature
MOD-T3-RGB	65	12V DC	Red, Green, Blue RGB



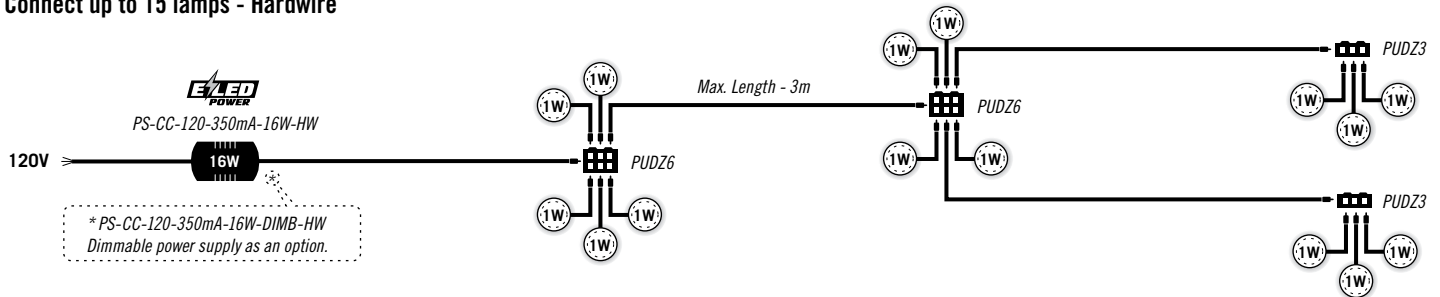
# SYSTEM CONNECTION DIAGRAMS

## CC (Constant Current) Connection Systems

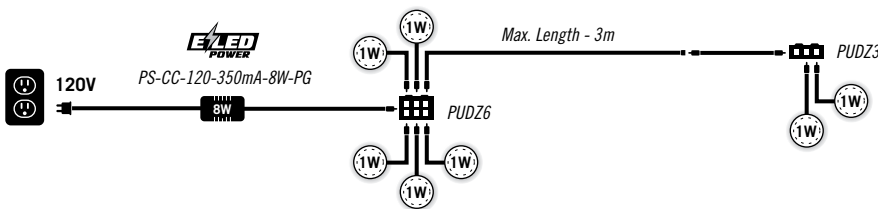
Connect up to 7 lamps - Hardwire



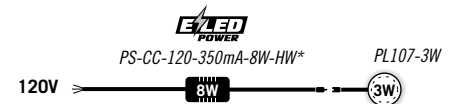
Connect up to 15 lamps - Hardwire



Connect up to 7 lamps - Plug-in



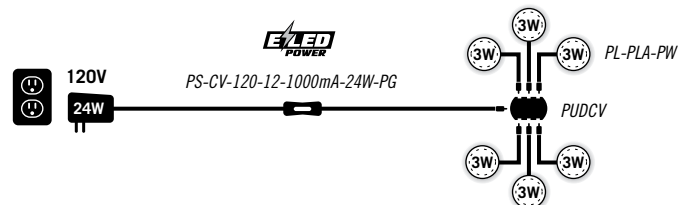
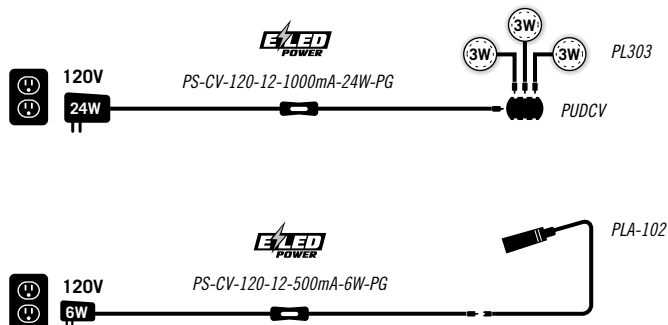
PL107-108-109  
Hardwire Connection



Please note that in 700mA the pucks use 3W. The recommended power supplies are xxxxxxxx, xxxxxxxx, xxxxxxxx

Available: 16W Power Supply  
\*Power Supply included with the PL107-108-109 Series.

## CV (Constant Voltage) Connection Systems



48W available for 12 modules. For power supplies for the modules (MOD) and strip tape (ST), please refer to the order sheets.



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