

# Patriot™ Series

Principal LED's first American-made module.



## SPECIFICATIONS

Beam Angle	170° Ultra-Wide Dome Batwing Optic - SM-XL 120° Ultra-Wide Dome Batwing Optic - XL Deep
Certifications	UL & cUL Recognized (SAM Manual), CE, RoHs
Dimensions	1.4"L x 0.69"W x 0.25"H
Fastening	Peel & Stick, Mechanical Screw Hole
Input	24V
Max Mods (Series)	Small: 60 Mods (24 ft.)
	Medium: 60 Mods (35.93 ft.)
	Large: 45 Mods (26.95 ft.)
	XL: 36 Mods (21.56 ft.)
XL DEEP:	36 Mods (21.56 ft.)
Operating Temp	-40° to +60°C
Packaging	Small: 240 mods (96 ft.) per bag or 1920 Mods (768 ft.) per case
	Medium: 120 Mods (71.86 ft.) per bag or 1920 Mods (1149.7 ft.) per case
	Large: 90 Mods (53.89 ft.) per bag or 1800 Mods (1077.84) per case
	XL: 72 Mods (43.11 ft.) per bag or 1728 Mods (1034.73 ft.) per case
XL Deep:	72 Mods (43.11 ft.) per bag or 1728 Mods (1034.73 ft.) per case
Power Supply	P-LED 24V
Protection Grade	IP67
Spacing	Small: 2.5 mods/ft. (fully stretched)
	Medium: 1.67 mods/ft. (fully stretched)
	Large: 1.67 mods/ft. (fully stretched)
	XL: 1.67 mods/ft. (fully stretched)
XL Deep:	1.67 mods/ft. (fully stretched)
Warranty	10-Year Product / 5-Year Limited Labor

## FEATURES

- 24V for longer run footages in larger signs (Run up to 96 ft. (Small) on a 24V power source)
- Made 100% in the USA
- Outputs from 120-240 LM/ft.
- Smart Packaging
- Qwik Release tabs
- Integrated Aluminum PCB heatsink
- New: Printed information directly on the back of the release liner for easy product identification in the shop

## WIRING DETAILS

White	Positive
Gray	Negative

## RECOMMENDED COVERAGE CHART

Depth	Max. Stroke	Mods/ft.	Row Spacing		Product
			Single Row	Multi-Rows O.C.	
2"	6"	2.5	3"	3.5	Small
3"	10"	2.5	6"	3	Small
4"	14"	2.5	9"	2.5	Small
4"	14"	1.67	9"	1.67	Medium
5"	16"	1.67	16"	1.67	Medium
6"	18"	1.67	18"	1.67	Medium
6"	18"	1.67	18"	1.67	Large
6"	18"	1.67	20"	1.67	X-Large
7"	22"	1.67	20"	1.67	Large
7"	22"	1.67	22"	1.67	X-Large
8"	22"	1.67	22"	1.67	Large
8"	24"	1.67	22"	1.67	X-Large
9"-11"	12"	1.67	10"	1.67	XL Deep
12"-18"	16"	1.67	12"	1.67	XL Deep

Note: Product and depth may vary depending on face material and desired brightness.



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## Patriot Small

### PRODUCT OPTIONS

CCT	Efficacy	Intensity	Power	Max Mods per 96W	UL Part Number	Ordering Part Number
2700K	120 LM/W	48 LM/mod (120 LM/ft.)	0.40 W/Mod (1.0 W/ft.)	240 mods (96 ft.)	PL-PT27-SM-P	M-PTSM0-27
3000K	120 LM/W	48 LM/mod (120 LM/ft.)	0.40 W/Mod (1.0 W/ft.)	240 mods (96 ft.)	PL-PT30-SM-P	M-PTSM0-30
3500K	120 LM/W	48 LM/mod (120 LM/ft.)	0.40 W/Mod (1.0 W/ft.)	240 mods (96 ft.)	PL-PT35-SM-P	M-PTSM0-35
4100K	120 LM/W	48 LM/mod (120 LM/ft.)	0.40 W/Mod (1.0 W/ft.)	240 mods (96 ft.)	PL-PT41-SM-P	M-PTSM0-41
5000K	120 LM/W	48 LM/mod (120 LM/ft.)	0.40 W/Mod (1.0 W/ft.)	240 mods (96 ft.)	PL-PT50-SM-P	M-PTSM0-50
5700K	120 LM/W	48 LM/mod (120 LM/ft.)	0.40 W/Mod (1.0 W/ft.)	240 mods (96 ft.)	PL-PT57-SM-P	M-PTSM0-57
6500K	120 LM/W	48 LM/mod (120 LM/ft.)	0.40 W/Mod (1.0 W/ft.)	240 mods (96 ft.)	PL-PT65-SM-P	M-PTSM0-65
6800K	120 LM/W	48 LM/mod (120 LM/ft.)	0.40 W/Mod (1.0 W/ft.)	240 mods (96 ft.)	PL-PT68-SM-P	M-PTSM0-68
7100K	120 LM/W	48 LM/mod (120 LM/ft.)	0.40 W/Mod (1.0 W/ft.)	240 mods (96 ft.)	PL-PT71-SM-P	M-PTSM0-71

## Patriot Medium

### PRODUCT OPTIONS

CCT	Efficacy	Intensity	Power	Max Mods per 96W	UL Part Number	Ordering Part Number
2700K	117 LM/W	96 LM/mod (160 LM/ft.)	0.80 W/Mod (1.34 W/ft.)	120 mods (71.68 ft.)	PL-PT27-MD-P	M-PTMD0-27
3000K	117 LM/W	96 LM/mod (160 LM/ft.)	0.80 W/Mod (1.34 W/ft.)	120 mods (71.68 ft.)	PL-PT30-MD-P	M-PTMD0-30
3500K	117 LM/W	96 LM/mod (160 LM/ft.)	0.80 W/Mod (1.34 W/ft.)	120 mods (71.68 ft.)	PL-PT35-MD-P	M-PTMD0-35
4100K	117 LM/W	96 LM/mod (160 LM/ft.)	0.80 W/Mod (1.34 W/ft.)	120 mods (71.68 ft.)	PL-PT41-MD-P	M-PTMD0-41
5000K	117 LM/W	96 LM/mod (160 LM/ft.)	0.80 W/Mod (1.34 W/ft.)	120 mods (71.68 ft.)	PL-PT50-MD-P	M-PTMD0-50
5700K	117 LM/W	96 LM/mod (160 LM/ft.)	0.80 W/Mod (1.34 W/ft.)	120 mods (71.68 ft.)	PL-PT57-MD-P	M-PTMD0-57
6500K	117 LM/W	96 LM/mod (160 LM/ft.)	0.80 W/Mod (1.34 W/ft.)	120 mods (71.68 ft.)	PL-PT65-MD-P	M-PTMD0-65
6800K	117 LM/W	96 LM/mod (160 LM/ft.)	0.80 W/Mod (1.34 W/ft.)	120 mods (71.68 ft.)	PL-PT68-MD-P	M-PTMD0-68
7100K	117 LM/W	96 LM/mod (160 LM/ft.)	0.80 W/Mod (1.34 W/ft.)	120 mods (71.68 ft.)	PL-PT71-MD-P	M-PTMD0-71

## Patriot Large

### PRODUCT OPTIONS

CCT	Efficacy	Intensity	Power	Max Mods per 96W	UL Part Number	Ordering Part Number
2700K	112 LM/W	120 LM/mod (200 LM/ft.)	1.07 W/Mod (1.79 W/ft.)	90 mods (53.89 ft.)	PL-PT27-LG-P	M-PTLG0-27
3000K	112 LM/W	120 LM/mod (200 LM/ft.)	1.07 W/Mod (1.79 W/ft.)	90 mods (53.89 ft.)	PL-PT30-LG-P	M-PTLG0-30
3500K	112 LM/W	120 LM/mod (200 LM/ft.)	1.07 W/Mod (1.79 W/ft.)	90 mods (53.89 ft.)	PL-PT35-LG-P	M-PTLG0-35
4100K	112 LM/W	120 LM/mod (200 LM/ft.)	1.07 W/Mod (1.79 W/ft.)	90 mods (53.89 ft.)	PL-PT41-LG-P	M-PTLG0-41
5000K	112 LM/W	120 LM/mod (200 LM/ft.)	1.07 W/Mod (1.79 W/ft.)	90 mods (53.89 ft.)	PL-PT50-LG-P	M-PTLG0-50
5700K	112 LM/W	120 LM/mod (200 LM/ft.)	1.07 W/Mod (1.79 W/ft.)	90 mods (53.89 ft.)	PL-PT57-LG-P	M-PTLG0-57
6500K	112 LM/W	120 LM/mod (200 LM/ft.)	1.07 W/Mod (1.79 W/ft.)	90 mods (53.89 ft.)	PL-PT65-LG-P	M-PTLG0-65
6800K	112 LM/W	120 LM/mod (200 LM/ft.)	1.07 W/Mod (1.79 W/ft.)	90 mods (53.89 ft.)	PL-PT68-LG-P	M-PTLG0-68
7100K	112 LM/W	120 LM/mod (200 LM/ft.)	1.07 W/Mod (1.79 W/ft.)	90 mods (53.89 ft.)	PL-PT71-LG-P	M-PTLG0-71



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## Patriot XL

### PRODUCT OPTIONS

CCT	Efficacy	Intensity	Power	Max Mods per 96W	UL Part Number	Ordering Part Number
2700K	108 LM/W	144 LM/mod (240 LM/ft.)	1.33 W/Mod (2.22 W/ft.)	72 mods (43.11 ft.)	PL-PT27-XL-P	M-PTXL0-27
3000K	108 LM/W	144 LM/mod (240 LM/ft.)	1.33 W/Mod (2.22 W/ft.)	72 mods (43.11 ft.)	PL-PT30-XL-P	M-PTXL0-30
3500K	108 LM/W	144 LM/mod (240 LM/ft.)	1.33 W/Mod (2.22 W/ft.)	72 mods (43.11 ft.)	PL-PT35-XL-P	M-PTXL0-35
4100K	108 LM/W	144 LM/mod (240 LM/ft.)	1.33 W/Mod (2.22 W/ft.)	72 mods (43.11 ft.)	PL-PT41-XL-P	M-PTXL0-41
5000K	108 LM/W	144 LM/mod (240 LM/ft.)	1.33 W/Mod (2.22 W/ft.)	72 mods (43.11 ft.)	PL-PT50-XL-P	M-PTXL0-50
5700K	108 LM/W	144 LM/mod (240 LM/ft.)	1.33 W/Mod (2.22 W/ft.)	72 mods (43.11 ft.)	PL-PT57-XL-P	M-PTXL0-57
6500K	108 LM/W	144 LM/mod (240 LM/ft.)	1.33 W/Mod (2.22 W/ft.)	72 mods (43.11 ft.)	PL-PT65-XL-P	M-PTXL0-65
6800K	108 LM/W	144 LM/mod (240 LM/ft.)	1.33 W/Mod (2.22 W/ft.)	72 mods (43.11 ft.)	PL-PT68-XL-P	M-PTXL0-68
7100K	108 LM/W	144 LM/mod (240 LM/ft.)	1.33 W/Mod (2.22 W/ft.)	72 mods (43.11 ft.)	PL-PT71-XL-P	M-PTXL0-71

## Patriot XL Deep

### PRODUCT OPTIONS

CCT	Efficacy	Intensity	Power	Max Mods per 96W	UL Part Number	Ordering Part Number
2700K	108 LM/W	144 LM/mod (240 LM/ft.)	1.33 W/Mod (2.22 W/ft.)	72 mods (43.11 ft.)	PL-PT27-XD-P	M-PTXLD-27
3000K	108 LM/W	144 LM/mod (240 LM/ft.)	1.33 W/Mod (2.22 W/ft.)	72 mods (43.11 ft.)	PL-PT30-XD-P	M-PTXLD-30
3500K	108 LM/W	144 LM/mod (240 LM/ft.)	1.33 W/Mod (2.22 W/ft.)	72 mods (43.11 ft.)	PL-PT35-XD-P	M-PTXLD-35
4100K	108 LM/W	144 LM/mod (240 LM/ft.)	1.33 W/Mod (2.22 W/ft.)	72 mods (43.11 ft.)	PL-PT41-XD-P	M-PTXLD-41
5000K	108 LM/W	144 LM/mod (240 LM/ft.)	1.33 W/Mod (2.22 W/ft.)	72 mods (43.11 ft.)	PL-PT50-XD-P	M-PTXLD-50
5700K	108 LM/W	144 LM/mod (240 LM/ft.)	1.33 W/Mod (2.22 W/ft.)	72 mods (43.11 ft.)	PL-PT57-XD-P	M-PTXLD-57
6500K	108 LM/W	144 LM/mod (240 LM/ft.)	1.33 W/Mod (2.22 W/ft.)	72 mods (43.11 ft.)	PL-PT65-XD-P	M-PTXLD-65
6800K	108 LM/W	144 LM/mod (240 LM/ft.)	1.33 W/Mod (2.22 W/ft.)	72 mods (43.11 ft.)	PL-PT68-XD-P	M-PTXLD-68
7100K	108 LM/W	144 LM/mod (240 LM/ft.)	1.33 W/Mod (2.22 W/ft.)	72 mods (43.11 ft.)	PL-PT71-XD-P	M-PTXLD-71

