



Bolt-On Panel Mount LED Lamps

Features

- Panel Mounting Diameter 1/4 in. (6.4mm) & 5/16 in. (8.0mm)
- Long Life 100,000+ hrs (10 years)
- Solid-State, High Shock/Vibration Resistant
- Maintenance Free, Easy Installation
- Low Power Consumption, High Intensity
- Major Power Savings
- Major Reduction in Heat Generation
- Built-in Current Limiting Resistor

Options

- Special Voltages
- Sunlight-Visible Super Bright or High-Efficiency LEDs
- Bi-Colors, Tri-Colors, RGB, IR
- Flashing / Blinking

1/4" (6.4mm) Panel LED Lamps with Hardware

Hooded

Conical

Series
PT301 = Hooded
PT302 = Conical

PT301 CWR3K - 5V - T

LED/Lens Type & Color

Water Clear Lens (Super Intensity)		Diffused Lens (Std Intensity)	
CWR3K = SP Red	●	TR6 = UL Red	●
CWO3K = SP Orange	●	TR4/5 = HE Red	●
CWY3K = SP Yellow	●	TO4/5 = Orange	●
CW900 = C. White	○	TY4/5 = Yellow	●
CWG1K = UL. Green	●	TG4/5 = HE Green	●
CWAG6K = A. Green	●	TPG4/5 = P. Green	●
CWB1K = SP. Blue	●	TWRG4 = BiColor Red/Green	●
CIR881 = 880nm IR	●	TWYG4 = BiColor Yel/Green	●

Std. Operating Voltage

DC
2Vf
3.5Vf
5/6V
12/14V
24V
28V

Options
W6 = 6" Wire Leads
T = Terminal Type

5/16" (8.0mm) Panel LED Lamps with Hardware

Hooded

Conical

Series
PT501 = Hooded
PT502 = Conical

PT501 CWR3K - 5V - T

LED/Lens Type & Color

Water Clear Lens (Super Intensity)		Diffused Lens (Std Intensity)	
CWR3K = SP Red	●	TR6 = UL Red	●
CWO3K = SP Orange	●	TR4/5 = HE Red	●
CWY3K = SP Yellow	●	TO4/5 = Orange	●
CW1K = C. White	○	TY4/5 = Yellow	●
CWG1K = UL. Green	●	TG4/5 = HE Green	●
CWAG6K = A. Green	●	TPG4/5 = P. Green	●
CWB1K = SP. Blue	●	TWRG4 = BiColor Red/Green	●
CIR881 = 880nm IR	●	TWYG4 = BiColor Yel/Green	●

Std. Operating Voltage

DC
2Vf
3.5Vf
5/6V
12/14V
24V
28V

Options
W6 = 6" Wire Leads
T = Terminal Type

Available in Black Housing

Notes: Super Intensity Diffused LEDs Available for Special Applications



LED Color Chart

LEDtronics Code	LED Chip Code	Wavelength nm	Color Name	Fwd Voltage V_f @ 20mA	Intensity 5mm LEDs	Viewing Angle	LED Dye Material
941	IR941	940	Infrared	1.5	16mW @ 50mA	15°	GaAlAs/GaAs - Gallium Aluminum Arsenide/ Gallium Arsenide
881	IR881	880	Infrared	1.7	18mW @ 50mA	15°	GaAlAs/GaAs - Gallium Aluminum Arsenide/ Gallium Arsenide
851	IR851	850	Infrared	1.7	26mW @ 50mA	15°	GaAlAs/GaAlAs - Gallium Aluminum Arsenide/ Gallium Aluminum Arsenide
0UR	R3KF	660	Ultra Red	1.8	2000mcd @ 20mA	15°	GaAlAs/GaAlAs - Gallium Aluminum Arsenide/ Gallium Aluminum Arsenide
00R	R3/R4/R5	635	High Eff. Red	2.0	200mcd @ 20mA	15°	GaAsP/GaP - Gallium Arsenic Phosphide /Gallium Phosphide
0ER	E3K	633	Super Red	2.2	3500mcd @ 20mA	15°	InGaAlP - Indium Gallium Aluminum Phosphide
0UO	O3K/O6K	620	Super Orange	2.2	4500mcd @ 20mA	15°	InGaAlP - Indium Gallium Aluminum Phosphide
0UO	O3KF	612	Super Orange	2.2	6500mcd @ 20mA	15°	InGaAlP - Indium Gallium Aluminum Phosphide
00O	O4/O5	605	Orange	2.1	160mcd @ 20mA	15°	GaAsP/GaP - Gallium Arsenic Phosphide /Gallium Phosphide
0UY	Y3KF	595	Super Yellow	2.2	5500mcd @ 20mA	15°	InGaAlP - Indium Gallium Aluminum Phosphide
0PY	Y3KH	592	Super Pure Yellow	2.1	7000mcd @ 20mA	15°	InGaAlP - Indium Gallium Aluminum Phosphide
00Y	Y3/Y4/Y5	585	Yellow	2.1	100mcd @ 20mA	15°	GaAsP/GaP - Gallium Arsenic Phosphide /Gallium Phosphide
0IW	IW2K	4500K	Incand White	3.6	2000mcd @ 20mA	20°	SiC/GaN - Silicon Carbide/Gallium Nitride
0PW	PW4K	6500K	Pale White	3.6	4000mcd @ 20mA	20°	SiC/GaN - Silicon Carbide/Gallium Nitride
0CW	CW6K	8000K	Cool White	3.6	6000mcd @ 20mA	20°	SiC/GaN - Silicon Carbide/Gallium Nitride
0LY	LY1K	574	Super Lime Yellow	2.4	1000mcd @ 20mA	15°	InGaAlP - Indium Gallium Aluminum Phosphide
0UG	G1K	570	Super Lime Green	2.0	1000mcd @ 20mA	15°	InGaAlP - Indium Gallium Aluminum Phosphide
00G	G3/G4/G5	565	High Eff. Green	2.1	200mcd @ 20mA	15°	GaP/GaP - Gallium Phosphide/Gallium Phosphide
UPG	PG350	560	Super Pure Green	2.1	350mcd @ 20mA	15°	InGaAlP - Indium Gallium Aluminum Phosphide
0PG	PG5	555	Pure Green	2.1	80mcd @ 20mA	15°	GaP/GaP - Gallium Phosphide/Gallium Phosphide
0AG	AG10K	525	Aqua Green	3.5	10,000mcd @ 20mA	15°	SiC/GaN - Silicon Carbide/Gallium Nitride
0BG	BG2K	505	Blue Green	3.5	2000mcd @ 20mA	45°	SiC/GaN - Silicon Carbide/Gallium Nitride
0PB	PB3K	470	Super Blue	3.6	3000mcd @ 20mA	15°	SiC/GaN - Silicon Carbide/Gallium Nitride
00B	UB500	430	Ultra Blue	3.8	100mcd @ 20mA	15°	SiC/GaN - Silicon Carbide/Gallium Nitride