



5/16" Relampable Panel LED Lamps

Features

- Panel Mounting Diameter 5/16 in. (8.0mm)
- Long Life 100,000+ hrs (10 years)
- Solid-State, High Shock/Vibration Resistant
- Maintenance Free, Easy Installation

- Low Power, 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

5/16" (8mm) Mtg. Dia. Front & Rear Mount with T1 Sub-Midget Flange LED

Series
 HLC310 = Front Mount
 HLD310 = Rear Mount
 HLD312 = 2 Chip
 HLD314 = 4 Chip

Lens
 C = Tinted Clear
 CW = Water Clear
 TW = Milky White

LED Color

1 Chip (Super Intensity)	2/4 Chip (Std Intensity)
R3K = SP Red	R6 = UL Red
O3K = SP Orange	R5 = HE Red
Y3K = SP Yellow	O5 = Orange
W900 = C. White	Y5 = Yellow
G1K = UL. Green	LY5 = L. Yellow
AG6K = A. Green	G5 = HE Green
B1K = SP. Blue	PG5 = P. Green

Std. Operating Voltage DC
 2Vf (Ext. Res. Rqd.)
 3.5Vf (Ext. Res. Rqd.)
 3.6V
 5/6V
 12/14V
 24V
 28V

Options
 P = Center Pos (Black Bezel)

Waterproof Front Mount

Standard Front Mount

Standard Rear Mount

RFI EMI Shielded

Standard Front Mount

Series
 FF120 = 1 Chip
 F121 = 1 Chip
 F122 = 2 Chip
 F124 = 4 Chip

Lens
 C = Clear

LED Color

1 Chip (Super Intensity)	2/4 Chip (Std Intensity)
R3K = SP Red	R6 = UL Red
O3K = SP Orange	R5 = HE Red
Y3K = SP Yellow	O5 = Orange
W900 = C. White	Y5 = Yellow
G1K = UL. Green	LY5 = L. Yellow
AG6K = A. Green	G5 = HE Green
B1K = SP. Blue	PG5 = P. Green

Std. Operating Voltage DC
 2Vf (Ext. Res. Rqd.)
 3.5Vf (Ext. Res. Rqd.)
 3.6V
 5/6V
 12/14V
 24V
 28V

Options
 P = Positive Center
 N = Negative Center

Standard Rear Mount

Series
 FF120 = 1 Chip
 F121 = 1 Chip
 F122 = 2 Chip
 F124 = 4 Chip

Lens
 C = Clear

LED Color

1 Chip (Super Intensity)	2/4 Chip (Std Intensity)
R3K = SP Red	R6 = UL Red
O3K = SP Orange	R5 = HE Red
Y3K = SP Yellow	O5 = Orange
W900 = C. White	Y5 = Yellow
G1K = UL. Green	LY5 = L. Yellow
AG6K = A. Green	G5 = HE Green
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Std. Operating Voltage DC
 2Vf (Ext. Res. Rqd.)
 3.5Vf (Ext. Res. Rqd.)
 3.6V
 5/6V
 12/14V
 24V
 28V

Options
 P = Positive Center
 N = Negative Center

T1 LED Lamps

Series
 FF120 = 1 Chip
 F121 = 1 Chip
 F122 = 2 Chip
 F124 = 4 Chip

Lens
 C = Clear

LED Color

1 Chip (Super Intensity)	2/4 Chip (Std Intensity)
R3K = SP Red	R6 = UL Red
O3K = SP Orange	R5 = HE Red
Y3K = SP Yellow	O5 = Orange
W900 = C. White	Y5 = Yellow
G1K = UL. Green	LY5 = L. Yellow
AG6K = A. Green	G5 = HE Green
B1K = SP. Blue	PG5 = P. Green

Std. Operating Voltage DC
 2Vf (Ext. Res. Rqd.)
 3.5Vf (Ext. Res. Rqd.)
 3.6V
 5/6V
 12/14V
 24V
 28V

Options
 P = Positive Center
 N = Negative Center

Super Intensity 2 & 4 Chip LEDs Available in This Package for Special Applications

Lens Cap

Standard **Watertight**

Lens Cap Part Number		Lens Type/Color	
HL230-RT	HL430-RT	Diff Red	●
HL230-AT	HL430-AT	Diff Orange	●
HL230-GT	HL430-GT	Diff Green	●
HL230-BT	HL430-BT	Diff Blue	●
HL230-WT	HL430-WT	Diff. White	○
HL230-WC	HL430-WC	Water Clear	○