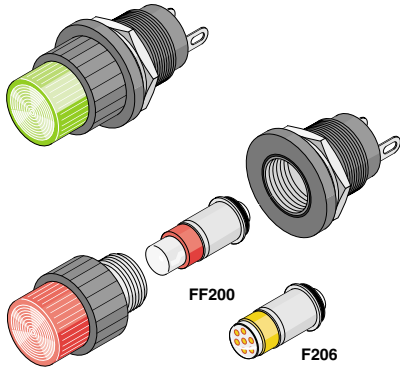




# 15/32" Relampable Panel LED Lamps

## 15/32" (11.7mm) Mtg. Dia. Front Mount with T1-3/4" Midget Flange LED

(Meets MIL Spec MIL-L-3661B)



### Series

MFS470 = 1 Chip  
MFS473 = 3 Chip  
MFS476 = 6 Chip

**MFS470 C R3K - 28V - BP**

### Options

BP = Bi-Polar (AC/DC)  
(Black Bezel)

### Lens

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

### LED Color

#### 1 Chip (Super Intensity)

R3K = SP Red ●  
O3K = SP Orange ●  
Y3K = SP Yellow ●  
IW2K = Inc White ○  
W600 = C. White ○  
G1K = UL. Green ●  
AG6K = A. Green ●  
B1K = SP. Blue ●

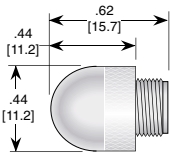
#### 3/6 Chip (Std Intensity)

R7 = UL Red ●  
R6 = HE Red ●  
O6 = Orange ●  
Y6 = Yellow ●  
W6 = P. Yellow ●  
LY6 = L. Yellow ●  
G6 = HE Green ●  
PG6 = P. Green ●

### Std. Operating Voltage DC

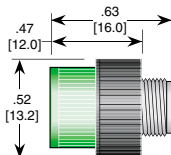
2Vf (Ext. Res. Rqd.)  
3.5Vf (Ext. Res. Rqd.)  
3.6V  
5/6V  
12/14V  
24V  
28V  
**AC**  
120VAC

### Standard



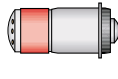
#### Lens Cap

LCD470-CX (Mil# LC12)  
RM820-CX (RFI/EMI Shielded)



#### Lens Cap

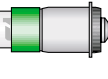
LCF470



#### Lamp

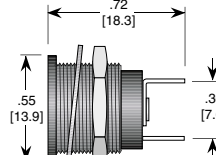
F203/F206  
(3-Chip/6-Chip)

or



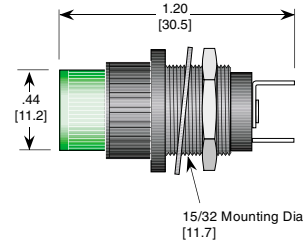
#### Lamp

FF200

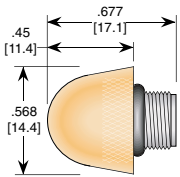


#### Holder

MFS470B (Mil# LH73/1)  
RMM64Y0 (RFI/EMI Shielded)

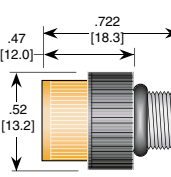


### Watertight



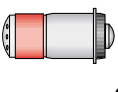
#### Lens Cap

LCD470W-CX  
(Mil# LC35)



#### Lens Cap

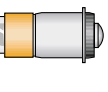
LCF470W



#### Lamp

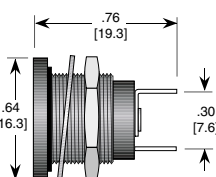
F203/F206  
(3-Chip/6-Chip)

or



#### Lamp

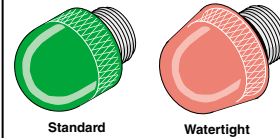
FF200



#### Holder

MFS470B-WP (Watertight)  
(Mil# LH89/1)

### Lens Cap



Lens Cap Part Number		Lens Type/Color
LCD470-CR	LCD470W-CR	Clear Red ●
LCD470-CA	LCD470W-CA	Clear Orange ●
LCD470-CY	LCD470W-CY	Clear Yellow ●
LCD470-CG	LCD470W-CG	Clear Green ●
LCD470-CW	LCD470W-CW	Water Clear ○
LCD470-DW	LCD470W-DW	Diff. White ○

### T1-3/4 LED Lamps

### Series

FF200 = 1 Chip  
F203 = 3 Chip  
F206 = 6 Chip

**FF200 CR3K - 28V - BP**

### Options

BP = Bipolar (AC/DC)  
AC = AC Only

#### 1 Chip (Super Intensity)

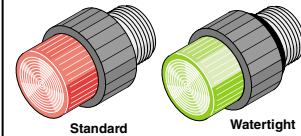
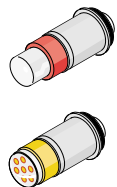
R3K = SP Red ●  
O3K = SP Orange ●  
Y3K = SP Yellow ●  
IW2K = Inc White ○  
W600 = C. White ○  
G1K = UL. Green ●  
AG6K = A. Green ●  
B1K = SP. Blue ●

#### 3/6 Chip (Std Intensity)

R7 = UL Red ●  
R6 = HE Red ●  
O6 = Orange ●  
Y6 = Yellow ●  
W6 = P. Yellow ●  
LY6 = L. Yellow ●  
G6 = HE Green ●  
PG6 = P. Green ●

### Std. Operating Voltage DC

2Vf (Ext. Res. Rqd.)  
3.5Vf (Ext. Res. Rqd.)  
3.6V  
5/6V  
12/14V  
24V  
28V  
**AC**  
120VAC



Lens Cap Part Number		Lens Type/Color
LCF470-CRF	LCF470W-CRF	Clear Red ●
LCF470-CAF	LCF470W-CAF	Clear Orange ●
LCF470-CYF	LCF470W-CYF	Clear Yellow ●
LCF470-CGF	LCF470W-CGF	Clear Green ●
LCF470-CWF	LCF470W-CWF	Water Clear ○
LCF470-TWF	LCF470W-TWF	Diff. White ○



# 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