Chicago Miniature Lamp, Inc.
WHERE INNOVATION COMES TO LIGHT
An **SLI** Company

Bright•White™ LED

Advanced Technology
► Creates Pure, Bright White Light without Having to Mix Red, Green and Blue LEDs Together
► Semiconductor Based

Leading Edge LED Optoelectronic Performance
► High Luminous Intensity
► High Efficiency
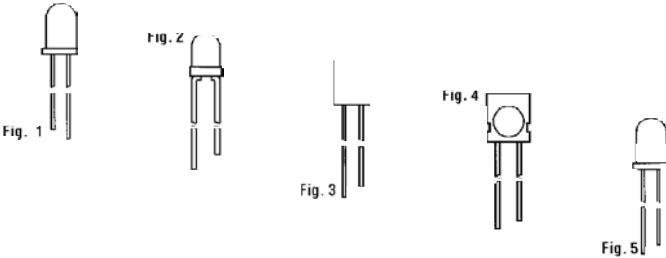► Excellent Direct Viewing Properties

Exceptional Reliability
► Stringent Process Controls Assure Quality
► Extensive Qualification Testing to Meet Strictest Requirements
► Designed with Silver Plated Leads to Assure Excellent Solderability

Absolute Maximum Ratings
Power Dissipation: 100 mW. **Operating Temperature:** –20°C to +85°C. **Storage Temperature:** –30°C to +100°C. **Peak Forward Current:** 80 mA. **Reverse Voltage (IR=100 µA):** 5.0 V. **Continuous Forward Current:** 25 mA.

CMD204UWC   CMD333UWC

Stock No.	Mfr.'s Type	Emitted Color	Lens Color	Luminous Intensity Typ. MCD	mA	Forward Voltage Typ.	Max	View Angle	EACH
749-2040	CMD204UWC	White	Water Clear	1000	20	3.70	3.85	20°	**3.40**
749-3330	CMD333UWC	White	Water Clear	2300	20	3.75	3.85	22°	**4.28**
749-3331	CMD333UWW	White	Diffused	2300	20	3.75	3.85	22°	**3.45**

LED Lamps

Lamps use low power for IC compatibility, cool operation and long life expectancy. Shock-proof, solid lens, epoxy construction. Intense light sources available — up to 3000 mcd guaranteed luminosity. Leads are silver plated, eliminating soldering problems. Viewing angles (the angle between points where the light intensity falls to 50% of peak value) are available to 180. Order Panelmount grommets separately at bottom of page.

Fig. 1   Fig. 2   Fig. 3   Fig. 4   Fig. 5

T-1 Lamps

Stock No.	Mfr.'s Type	Fig.	Emitted Color	Lens Type/ Color*	View Angle	Typical mcd/mA	EACH 1-9
749-9838	CMD5074C	1	Red	N.D.Red	70	2.5/20	**.34**
749-9839	CMD5075C	1	Red	Diff.Red	90	1.5/20	**.37**
749-9840	CMD5374C	1	Yellow	Diff.Yel	90	9.0/20	**.28**
749-9841	CMD5474C	1	H.E.Grn	Diff.Grn	90	9.0/20	**.40**
749-9842	CMD5774C	1	H.E.Red	Diff.Red	90	9.0/20	**.38**
679-4303	4303F1	1	Red	Diff.	90	6.0/10	**.20**
679-4305	4303F3	1	Amber	Diff.	60	4.0/10	**.27**
679-9999	4303F5	1	Green	Diff.	90	12.0/20	**.20**
679-4306	4303F7	1	Yellow	Diff.	60	20.0/20	**.20**

T-100 Lamps

Stock No.	Mfr.'s Type	Fig.	Emitted Color	Lens Type/ Color*	View Angle	Typical mcd/mA	EACH 1-9
749-1340	CMD54643	2	H.E.Grn	Diff.Grn	90	5.0/20	**.22**
749-9862	CMD57640	2	H.E.Red	Diff.Red	90	2.0/10	**.18**

Rectangular Lamps

Stock No.	Mfr.'s Type	Fig.	Emitted Color	Lens Type/ Color*	View Angle	Typical mcd/mA	EACH 1-9
749-9956	CMD54123	3	H.E.Grn	Diff.Grn	100	4.0/20	**.19**
749-9957	CMD57123	3	H.E.Red	Diff.Red	100	4.0/20	**.41**
749-9962	HLMP0300	3	H.E.Red	Diff.Red	100	2.5/20	**.31**
749-9963	HLMP0301	3	H.E.Red	Diff.Red	100	5.0/20	**.50**
749-0765	HLMP0503	3	H.E.Grn	Diff.Grn	100	3.0/20	**.41**
749-9964	CMD53124A	4	Yellow	Diff.Yel	100	6.0/20	**.28**
749-9965	CMD54124A	4	H.E.Grn	Diff.Grn	100	6.0/20	**.29**
749-9966	CMD57124A	4	H.E.Red	Diff.Red	100	6.0/20	**.32**

T-1³/₄ Lamps

Stock No.	Mfr.'s Type	Fig.	Emitted Color	Lens Type/ Color*	View Angle	Typical mcd/mA	EACH 1-9
749-9819	CMD5752	5	H.E.Red	N.D.Red	28	100.0/20	**.43**
749-9889	CMD5053	1	Red	Diff.Red	80	0.5/20	**.45**
749-9891	CMD5055	1	Red	Diff.Red	150	0.1/20	**.45**
749-9899	CMD5153	1	H.E.Red	Diff.Amb	65	15.0/20	**.31**
749-9892	CMD5353	1	Yellow	Diff.Yel	65	15.0/20	**.33**
749-9894	CMD5453	1	H.E.Grn	Diff.Grn	75	20.0/20	**.33**
749-9941	CMD5753	1	H.E.Red	Diff.Red	65	10.0/20	**.42**
749-9897	CMD5754A	1	H.E.Red	Diff.Red	24	25.0/20	**.20**
749-9897	CMD64531	5	H.E.Grn	Diff.Grn	75	20.0/20	**.60**
749-9805	FLV110	5	Red	Diff.Red	70	3.0/20	**.22**
749-9943	CMD5053	5	H.E.Red	Diff.Red	65	3.5/10	**.27**
749-9944	HLMP3300	5	H.E.Red	Diff.Red	65	7.0/10	**.23**
749-9886	HLMP4700	5	H.E.Red	Diff.Red	35	2.0/2	**.27**
749-9876	CMD5054A-1	5	Red	Diff.Red	24	1.0/10	**.19**
749-9814	CMD5452	5	H.E.Grn	N.D.Grn	35	25.0/20	**.27**
679-9981	4304H1	5	Red	Diff.	65	30.0/20	**.15**
679-3001	4304H5	5	Green	Diff.	75	30.0/20	**.15**
679-7753	4304H7	5	Yellow	Diff.	65	25.0/20	**.27**

*Diff. = Diffused; N.D. = Non-Diffused; P.T. = Pale Tint.

Relampable Indicator Lights and Sockets

Relampable Incandescent Indicator Light, ¹¹/₁₆" Diameter Mounting Hole

Ordered separately. **Select:** 1) T-2 telephone slide base lamp, page 539 fig. 17; 2) Choice of 2 sockets below; 3) Lens, choose dome or flat.

Sockets
Features. Mounting: Supplied with polyester hex nut. **Body:** Black polyester. **Terminals:** Nickel plated brass.

Stock No.	Mfr.'s Type	Bezel	EACH 1-49	50-99
679-7761	2802*	Black	**2.02**	**1.82**
679-7762	2803†	Polished Stainless Steel	**2.15**	**1.94**

*With flat lens. †With dome lens.

Lens

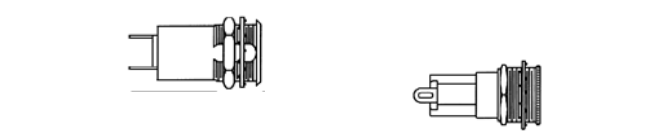| Lens Color	Dome Lens Stock No.	Mfr.'s Type	Flat Lens Stock No.	Mfr.'s Type	EACH 1-49	50-99
Red	679-7763	2811	679-0215	2851	.45	.41
Clear	679-0200	2812	679-0220	2852	.45	.41
Amber	679-7765	2813	679-0225	2853	.45	.41
White	679-0205	2814	679-0230	2854	.45	.41
Green	679-9815	2815	679-0235	2855	.45	.41
Blue	679-0005	2816	679-0240	2856	.45	.41
Yellow	679-0210	2817	679-0245	2857	.45	.41

900 Series Instrument Lights

Ideal for panel, switch, meter and legend plate applications where localized light is required. Type 900-200 has fixed hood, solder lug terminals, and mounts hole 0.688" diameter to 0.406" panel thickness. Rated 120 volts, 3 watts. Accepts T-3¹/₄ miniature bayonet lamp. Type 900-006 has rotatable hood, screw terminals and mounts hole 1" diameter to 0.500" panel thickness. Rated 250 volts, 1 amp, 75 watts. Accepts S-6 or C-7 candelabra screw base lamp. Order lamps separately.

749-0645. 900-200. Fixed Hood, Solder Lug Terminals ....**EACH 17.61**
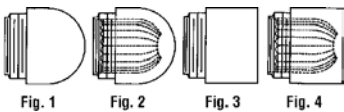
5100, 5200 Series Relampable Indicators

Select from 5100 series standard and 5200 series deluxe indicators from table below. Standard indicators must be assembled. Order lamps (T-2 and T-3¹/₄ min. bayonet based, incandescent and neon) and lenses separately below. UL recognized, CSA certified.

Stock No.	Mfr.'s Type	Max. Volts	Max. Amps	Terminals	EACH 1-9
749-0599	5100-822	120	0.170	Solder Lugs	**3.87**
749-9909	5100-823	120	0.170	Screw Lugs	**3.79**
749-0598	5100-824	120	0.170	Quick Connect 0.250" Lugs	**3.90**

5200 Series Standard T-3¹/₄ Indicators

Stock No.	Mfr.'s Type	Max. Volts	Max. Amps	Terminals	EACH 1-9
749-0565	5200-222	120	0.170	Solder Lugs	**6.64**
749-0575	5200-232*	125	1.800	Solder Lugs	**9.19**
749-0585	5200-242*	250	1.800	Solder Lugs	**9.38**

*Supplied with built-in integral resistor for use with based Neon lamp.

5100, 5200 Series Polycarbonate Lenses

Use only transparent or fluted lens with neon lamps, ordered separately above. Specify color choice when ordering. Replace X in stock number with following color code — 1=Amber, 3=Clear, 4=Green, 5=Red, 6=White, 7=Yellow.

Fig. 1   Fig. 2   Fig. 3   Fig. 4

Stock No.	Mfr.'s Type	Fig.	Colors Available	EACH 1-9
749-020X	25P-306	1	R, A, G, C	1.25
749-004X	25P-307	1	R, Y, G, W	.68
749-006X	25P-326	2	R, A, G, C	1.25
749-007X	25P-606	3	R, A, G, C	.73
749-008X	25P-607	3	R, Y, G, W	.73
749-065X	25P-626	4	R, A, G, C	.80

Mounting Accessories

CMP Series Panel-Mounting Grommets
Two-piece grommets easily mount CMD Series lamps on any panel up to 0.125" (3.18) thickness, CMP22 for tapered side T-1³/₄ LEDs and CMP52 for straight sided T-1³/₄ LEDs require drilling to mount.

Fig. 1   Fig. 2   Fig. 3

749-0426. CMP22. Fig. 1. T-1³/₄. **1-9** ....**EACH .23**
749-0427. CMP52. Fig. 1. T-1³/₄. **1-9** ....**EACH .18**
749-9975. CMP65. Fig. 2. Rectangular. **1-9** ....**EACH .16**
749-9970. CMP100. Fig. 3. T-100. **1-9** ....**EACH .41**