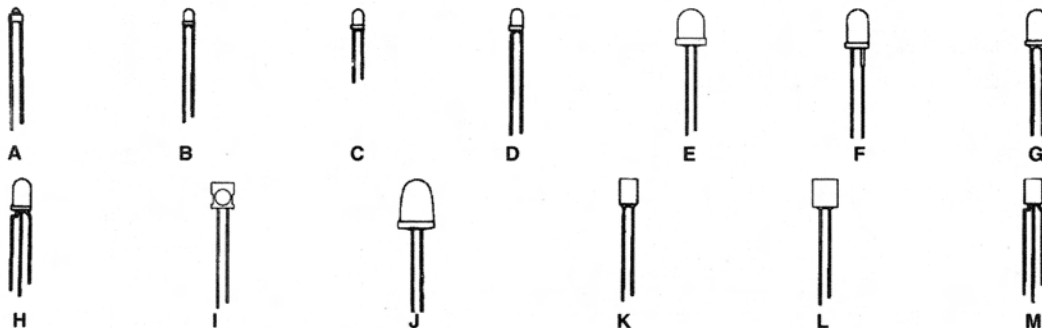


DESCRETE WIRE LEAD LEDs



Mfr. No.	Color	View. Angle	Iv/ mA	λ_p (nm)
T-2 mm Short Profile, Diffused Lens (Fig. A)				
SSL-LX20333ID	Red	70°	32/20	635
SSL-LX20333GD	Green	70°	6/20	565
SSL-LX20333YD	Yellow	70°	6/20	585
SSL-LX20333SRD	S. Red	70°	50/20	660
SSL-LX20333SRC†	S. Red	30°	120/20	660
T-3 mm Short Profile, Low Current, Diffused Lens (Fig. B)				
SSL-LX3044LID	Red	65°	3/2	635
SSL-LX3044LGD	Green	65°	2/2	565
SSL-LX3044LYD	Yellow	65°	2/2	585
SSL-LX3044SRD	S. Red	65°	10/2	660
SSL-LX3044SRC/B†	S. Red	45°	20/2	660
T-3 mm Low Cost Package, Diffused Lens (Fig. C)				
SSL-LX3052HD	S. Red	60°	4/20	700
SSL-LX3052ID	Red	60°	8/20	635
SSL-LX3052GD	Green	60°	6/20	565
SSL-LX3052YD	Yellow	60°	8/20	585
T-3 mm Standard Size Lens, Diffused Lens (Fig. D)				
SSL-LX3054ID	Red	80°	20/20	635
SSL-LX3054GD	Green	80°	12/20	565
SSL-LX3054YD	Yellow	80°	10/20	585
SSL-LX3054SRD	S. Red	80°	40/20	660
SSL-LX3054SBD	Blue	80°	20/20	470
T-3 Super Bright, Clear Lens (Fig. B)				
SSL-LX3044SRC/E	S. Red	50°	1000/20	660
SSL-LX3044SGC	Green	50°	300/20	580
SSL-LX3044SYC	Yellow	50°	400/20	590
T-3 Bi-Color Units, Diffused Lens (Fig. B)				
SSL-LX3044IGW	Red/Grn.		30/20	635/565
SSL-LX3044YGW	Yel./Grn.		30/20	585/565
T-5 Low Cost Units, Diffused Lens (Fig. F)				
SSL-LX5091HD	S. Red	70°	6/20	695
SSL-LX5091GD	Green	70°	10/20	565
SSL-LX5091YD	Yellow	70°	10/20	585
T-5 Standard Size, Diffused Lens (Fig. G)				
SSL-LX5093SBD	Blue	70°	30/20	470
SSL-LX5093ID	Red	70°	60/20	635
SSL-LX5093GD	Green	70°	30/20	565
SSL-LX5093YD	Yellow	70°	30/20	585
SSL-LX5093SRD	S. Red	70°	150/20	660
SSL-LX5093IGW	Red/Grn.	70°	30/20	635/565
T-5 Standard Size Super Bright, Clear Lens (Fig. G)				
SSL-LX5093SRC/E	S. Red	30°	2000/20	660
SSL-LX5093SGC/B	Green	30°	400/20	565
SSL-LX5093SYC	Yellow	30°	800/20	590
T-5 Three Ledged Bi/Tri-Color, Diffused Lens (Fig. H)				
SSL-LX5099IGW	Red/Grn.	70°	40/20	635/565
SSL-LX-5099YGW	Yel./Grn.	70°	40/20	585/565

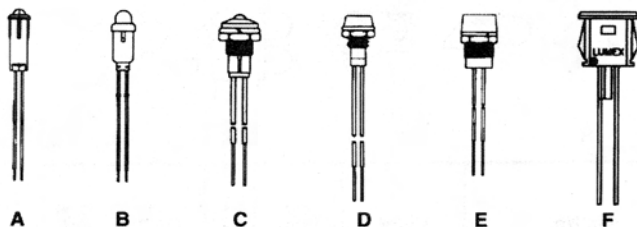
Mfr. No.	Color	View. Angle	Iv/ mA	λ_p (nm)
T-8 Jumbo Size, Diffused Lens (Fig. E)				
SSL-LX80113ID	Red	60°	60/20	635
SSL-LX80113GD	Green	60°	50/20	565
SSL-LX80113YD	Yellow	60°	60/20	585
SSL-LX80113SRD/D	S. Red	60°	400/20	660
T-10 Jumbo Size, Diffused Lens (Fig. J)				
SSL-LX100133ID	Red	70°	50/20	635
SSL-LX100133GD	Green	70°	40/20	565
SSL-LX100133YD	Yellow	70°	50/20	585
SSL-LX100133SRD/D	S. Red	70°	400/20	660
T-10 Jumbo Size Super Bright, Clear Lens (Fig. J)				
SSL-LX100133SRC	Red	28°	2500/20	660
SSL-LX100133SGC	Green	28°	400/20	570
SSL-LX100133SYC	Yellow	28°	600/20	590
2 x 5 Rectangular, Diffused Lens (Fig. K)				
SSL-LX2573SBD	Blue	110°	20/20	470
SSL-LX2573ID	Red	110°	10/20	635
SSL-LX2573GD	Green	110°	8/20	565
SSL-LX2573YD	Yellow	110°	8/20	585
SSL-LX2573SRD	S. Red	110°	60/20	660
4 x 6 Rectangular with Case, Diffused Lens (Fig. I)				
SSL-LX4673ID-LA20	Red	100°	20/20	635
SSL-LX4673GD-LA20	Green	100°	8/20	565
SSL-LX4673YD-LA20	Yellow	100°	8/20	585
SSL-LX4673SRD-LA20	S. Red	100°	80/20	660
Two 5 x 7 Rectangular, Diffused Lens (Fig. L)				
SSL-LX25783ID	Red	110°	15/20	635
SSL-LX25783GD	Green	110°	6/20	565
SSL-LX25783YD	Yellow	110°	6/20	585
SSL-LX25783SRD	S. Red	110°	50/20	660
2 x 5 Rectangular Bi/Tri-Color, Diffused Lens (Fig. M)				
SSL-LX2579IGW	Red/Grn.	110°	10/20	635/565
SSL-LX2579YGW	Yel./Grn.	110°	8/20	585/565

†Clear Lens

T-3 AND T-5 PANEL CLIPS



Mfr. No.	Description
SSH-LX3050	T-3 Panel Clip
SSH-LX5091	Black Nylon T-5 Panel Clip

PANEL LED INDICATORS


Diffused LED Lenses.

Mfr. No.	Color	λ_n (nm)	IF (mA)	Vf (TYP)	Iv at 20 mA
T-3 mm - Micro LED Indicator (Fig. A)					
SSI-LXH312ID-150	Red	635	2-25	2.2	35
SSI-LXH312GD-150	Green	565	2-25	2.2	30
SSI-LXH312YD-150	Yellow	585	2-25	2.2	30
SSI-LXH312SRD-150	S. Red	660	2-25	1.7	90

T-5 mm 1/4" Panel Hole Indicator (Fig. B)					
SSI-LXH600ID-150	Red	635	2-25	2.2	40
SSI-LXH600GD-150	Green	565	2-25	2.2	35
SSI-LXH600YD-150	Yellow	585	2-25	2.2	35
SSI-LXH600SRD-150	S. Red	660	2-25	2.2	80
SSI-LXH600IGW-150	Red/Grn.	635/565	2-25	1.7	40/40

T-3 mm Chrome Bezel Indicator (Fig. C)					
SSI-LXR3612ID-150	Red	635	2-25	2.2	40
SSI-LXR3612YD-150	Green	565	2-25	2.2	35
SSI-LXR3612YD-150	Yellow	585	2-25	2.2	35
SSI-LXR3612SRD-150	S. Red	660	2-25	2.2	80
SSI-LXR3612IGW-150	Red/Grn.	635/565	2-25	1.7	40/40

T-3 mm Chrome Bezel Reflector Indicator (Fig. D)					
SSI-LXR1612ID-150	Red	635	2-25	2.2	50
SSI-LXR1612GD-150	Green	565	2-25	2.2	40
SSI-LXR1612YD-150	Yellow	585	2-25	2.2	40
SSI-LXR1612SRD-150	S. Red	660	2-25	1.7	90
SSI-LXR1612SBD-150	Blue	470	10-25	2.0	3.0

T-5 mm Chrome Bezel Reflector Indicator (Fig. E)					
SSI-LXR4815ID-150	Red	635	2-25	2.2	50
SSI-LXR4815GD-150	Green	565	2-25	2.2	40
SSI-LXR4815YD-150	Yellow	585	2-25	2.2	40
SSI-LXR4815SRD-150	S. RED	660	2-25	1.7	100
SSI-LXR4815SBD-150	Blue	470	10-25	2.0	3.0

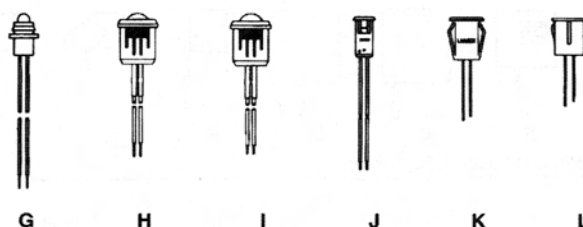
T-5 Flat Fresnel Lens Indicator (Fig. F)					
SSI-LXH387ID	Red	635	2-25	2.2	30
SSI-LXH387GD	Green	565	2-25	2.2	25
SSI-LXH387YD	Yellow	585	2-25	2.2	25
SSI-LXH387SRD	S. Red	660	2-25	1.7	80

DISCRETE SMT LEDs


SMT LEDs are available on reels of 1000-3000 pcs.

Mfr. No.	Color	View. Angle	Iv/ mA	λ_p (nm)	Fig. No.
SOT-23 Single Chip, Clear Lens					
SSL-LX15IC-RP-TR	Red	140°	5/10	635	A
SSL-LX15GC-RP-TR	Green	140°	5/20	565	A
SSL-LX15YC-RP-TR	Yellow	140°	5/20	585	A
SSL-LX15SRC-RP-TR	S. Red	140°	20/20	660	A

SOT-23 Dual Chip, Bi-Color, Clear Lens					
SSL-LX15IC-RP-TR	Red	140°	12/20	635	B
SSL-LX15GGC-RP-TR	Green	140°	12/20	565	B
SSL-LX15IGC-RP-TR	Red/Grn.	140°	5/20	635/565	B
SSL-LX15YGC-RP-TR	Yel./Grn.	140°	5/20	585/565	B



Mfr. No.	Color	λ_n (nm)	IF (mA)	Vf (TYP)	Iv at 20 mA
T-5 Rear of Panel Installation, Soft Rubber Holder (Fig. G)					
SSI-LXH9ID-150	Red	635	2-25	2.2	50
SSI-LXH9GD-150	Green	565	2-25	2.2	40
SSI-LXH9YD-150	Yellow	585	2-25	2.2	40
SSI-LXH9SRD-150	S. Red	660	2-25	1.7	100
SSI-LXH9IGW-150	Red/Grn.	635/565	2-25	2.2	40/40

T-8 Jumbo Black Bezel Indicator (Fig. H)					
SSI-LXH808ID-150	Red	635	2-25	2.2	40
SSI-LXH808GD-150	Green	565	2-25	2.2	30
SSI-LXH808YD-150	Yellow	585	2-25	2.2	30
SSI-LXH808SRD-150	S. Red	660	2-25	1.7	80

T-10 Jumbo Black Bezel Indicator (Fig. I)					
SSI-LXH1090ID-150	Red	635	2-25	2.2	40
SSI-LXH1090GD-150	Green	565	2-25	2.2	30
SSI-LXH1090YD-150	Yellow	585	2-25	2.2	30
SSI-LXH1090SRD-150	S. Red	660	2-25	1.7	80
SSI-LXH1090SBD-150	Blue	470	10-25	3.0	30
SSI-LXH1090IGW-150	Red/Grn.	635/565	2-25	2.2	30/30

2 x 5 LED Rectangular Indicator (Fig. J)					
SSI-LXMP059ID-150	Red	635	2-25	2.2	30
SSI-LXMP059GD-150	Green	565	2-25	2.2	25
SSI-LXMP059YD-150	Yellow	585	2-25	2.2	25
SSI-LXMP059SRD-150	S. Red	660	2-25	1.7	55

Two 5 x 7 LED Rectangular Indicator (Fig. K)					
SSI-LXH072ID	Red	635	2-25	2.2	30
SSI-LXH072GD	Green	565	2-25	2.2	25
SSI-LXH072YD	Yellow	585	2-25	2.2	25
SSI-LXH072SRD	S. Red	660	2-25	1.7	55

5 x 5 Square In Round Hole Indicator (Fig. L)					
SSI-LXH55ID	Red	635	2-25	2.2	35
SSI-LXH55GD	Green	565	2-25	2.2	30
SSI-LXH55YD	Yellow	585	2-25	2.2	30
SSI-LXH55SRD	S. Red	660	2-25	1.7	60



Mfr. No.	Color	View. Angle	Iv/ mA	λ_p (nm)	Fig. No.
Ceramic Chip With Light Cup, Clear Lens					
CCL-LX23IC-TR	Red	90°	30/20	635	C
CCL-LX23GC-TR	Green	90°	20/20	565	C
CCL-LX23YC-TR	Yellow	90°	20/20	585	C
CCL-LX23SRC-TR	S. Red	90°	80/20	660	C

Right Angle SMT with Housing, Diffused Lens					
SSF-LXH305ID-TR	Red	60°	30/20	635	D
SSF-LXH305GD-TR	Green	60°	20/20	565	D
SSF-LXH305YD-TR	Yellow	60°	20/20	585	D
SSF-LXH305SRD-TR	S. Red	60°	80/20	660	D

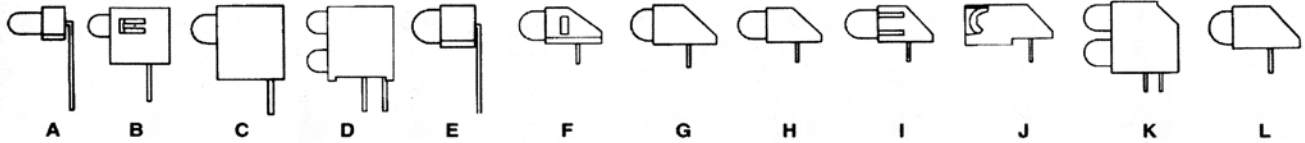
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PRINTED CIRCUIT BOARD LED INDICATORS

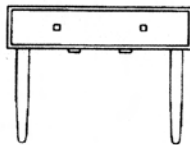


Hot Tinned Pins. Diffused LED Lenses.

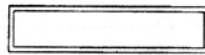
Mfr. No.	Color	λ_p (nm)	If (mA)	Vf (TYP)	Iv at /mA
T-3 All Epoxy PCB Indicator (Fig. A)					
SSF-LX3P74ID-99	Red	635	5-25	2.2	14/20
SSF-LX3P74GD-99	Green	565	5-25	2.2	12/20
SSF-LX3P74YD-99	Yellow	585	5-25	2.2	12/20
SSF-LX3P74SRD-99	S. Red	660	5-25	1.7	60/20
SSF-LX3P74SRC-99	S. Red	660	5-25	1.7	170/20
T-3 Snap-On Holder PCB Indicator (Fig. B)					
SSF-LXH304ID	Red	635	5-25	2.2	14/20
SSF-LXH304GD	Green	565	5-25	2.2	12/20
SSF-LXH304YD	Yellow	585	5-25	2.2	12/20
SSF-LXH304SRD	S. Red	660	5-25	1.7	60/20
T-3 Snap-On Holder PCB Indicator Low Current Version (Fig. B)					
SSF-LXH304LID	Red	635	2-25	1.8	2.0/2
SSF-LXH304LGD	Green	565	2-25	1.8	1.0/2
SSF-LXH304LYD	Yellow	585	2-25	1.8	1.0/2
T-3 Popular Low Cost PCB Indicator (Fig. C)					
SSF-LXH103ID	Red	635	5-25	2.2	14/20
SSF-LXH103GD	Green	565	5-25	2.2	12/20
SSF-LXH103YD	Yellow	585	5-25	2.2	12/20
T-3 Dual LED Tower PCB Indicator (Fig. D)					
SSF-LXH240IID	Red	635	5-25	2.2	14/20
SSF-LXH240GGD	Green	565	5-25	2.2	12/20
SSF-LXH240YYD	Yellow	585	5-25	2.2	12/20
T-5 All Epoxy Low Cost PCB Indicator (Fig. E)					
SSF-LX453ID-99	Red	635	5-25	2.2	25/20
SSF-LX453GD-99	Green	565	5-25	2.2	20/20
SSF-LX453YD-99	Yellow	585	5-25	2.2	20/20
SSF-LX453SRD-99	S. Red	660	5-25	1.7	70/20
T-5 Low Current PCB Indicator (Fig. F)					
SSF-LXH104LID	Red	635	2-5	1.8	3/2
SSF-LXH104LGD	Green	565	2-5	1.8	2/2
SSF-LXH104LYD	Yellow	585	2-5	1.8	2/2
SSF-LXH104SRD	S. Red	660	2-5	1.6	10/2

Mfr. No.	Color	λ_p (nm)	If (mA)	Vf (TYP)	Iv at /mA
T-5 Bi-Color PCB Indicator (Fig. F)					
SSF-LXH104IGW	Red/Grn.	635/565	5-25	2.2	20/20
SSF-LXH104YGW	Yel./Grn.	585/565	5-25	2.2	20/20
T-5 Standard PCB Indicator (Fig. G)					
SSF-LXH100ID	Red	635	5-25	2.2	30/20
SSF-LXH100GD	Green	565	5-25	2.2	20/20
SSF-LXH100YD	Yellow	585	5-25	2.2	20/20
T-5 Standard Long Protrusion PCB LED (Fig. H)					
SSF-LXH100ID-01	Red	635	5-25	2.2	30/20
SSF-LXH100GD-01	Green	565	5-25	2.2	20/20
SSF-LXH100YD-01	Yellow	585	5-25	2.2	20/20
SSF-LXH100SRD-01	S. Red	660	5-25	1.7	100/20
T-5 mm Mating PCB Indicator (Fig. I)					
SSF-LXH100MID	Red	635	5-25	2.2	15/20
SSF-LXH100MGD	Green	565	5-25	2.2	12/20
SSF-LXH100MYD	Yellow	585	5-25	2.2	12/20
SSF-LXH100MSRD	S. Red	660	5-25	1.7	70/20
T-5 Shrouded PCB Indicator (Fig. J)					
SSF-LXH1071ID	Red	635	5-25	2.2	30/20
SSF-LXH1071GD	Green	565	5-25	2.2	20/20
SSF-LXH1071YD	Yellow	585	5-25	2.2	20/20
SSF-LXH1071SRD	S. Red	660	5-25	1.7	120/20
T-5 Dual Tower PCB Indicator (Fig. K)					
SSF-LXH250IID	Red	635	5-25	2.2	15/20
SSF-LXH250GGD	Green	565	5-25	2.2	12/20
SSF-LXH250YYD	Yellow	585	5-25	2.2	12/20
SSF-LXH250SRD	S. Red	660	5-25	1.7	70/20
T-5 Quad Ranch PCB Indicator (Fig. L)					
SSF-LXH400ID	Red	635	5-25	2.2	15/20
SSF-LXH400GD	Green	565	5-25	2.2	12/20
SSF-LXH400YD	Yellow	585	5-25	2.2	12/20
SSF-LXH400SRD	S. Red	660	5-25	1.7	70/20

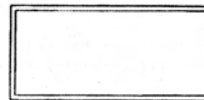
MULTI-CHIP LIGHT BARS



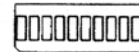
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B



C

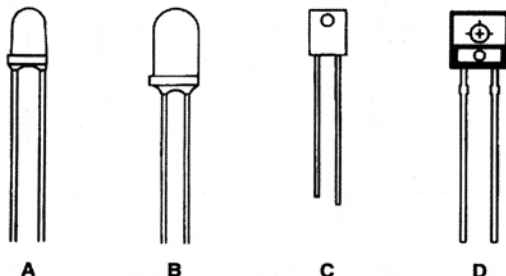


D

Chip on Board Reliability.

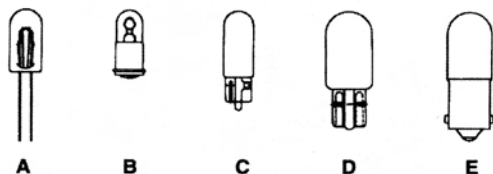
Mfr. No.	Color	Viewing Angle	Iv/ mA	λ_p (nm)	Fig.
Dual Chip Side Looking—Edge Lighting, 2 Chips, Clear Lens					
SSB-LX02IC	Red	160°	16/20	635	A
SSB-LX02GC	Green	160°	16/20	565	A
SSB-LX02YC	Yellow	160°	16/20	585	A
SSB-LX02SRC	S. Red	160°	60/20	660	A
5 x 20 Four Chip (8 Pins) Bar, 4 Chips, Diffused Lens					
SSB-LX2350IW	Red	160°	50/20	635	B
SSB-LX2550SGW	Green	160°	50/20	565	B
SSB-LX2450YW	Yellow	160°	50/20	585	B
SSB-LXB100SRW	S. Red	160°	80/20	660	B

Mfr. No.	Color	Viewing Angle	Iv/ mA	λ_p (nm)	Fig.
10 x 20 Eight Chip (16 Pins) Bar, 8 Chips, Diffused Lens					
SSB-2685IW	Red	160°	80/20	635	C
SSB-LX2885SGW	Green	160°	80/20	565	C
SSB-LX2785YW	Yellow	160°	70/20	585	C
SSB-LX100SRW	S. Red	160°	100/20	660	C
10 x 25 Ten Chip (20 Pins) Bar, 10 Segments, 10 Chips, Diffused Lens					
SSA-LXB10IW	Red	160°	20/20	635	D
SSA-LXB10GW	Green	160°	15/20	565	D
SSA-LSB10YW	Yellow	160°	15/20	585	D
SSA-LXB10SRW	S. Red	160°	60/20	660	D

INFRA-RED EMITTERS


High Output Chips

Mfr. No.	Po mw/lf (mA)	λ p Type	$\Delta \theta$ Type	Vr Min.	Fig. No.
T-1 (3mm) Size					
OED-EL-8L	25/40	940	± 20	4	A
OED-CL-8L	20/20	880	± 20	5	A
T-1 3/4 (5mm) Size					
OED-EL-1L1	35/50	940	± 10	5	B
OED-EL-1L2	30/50	940	± 20	5	B
OED-EL-1L3	25/50	940	± 30	5	B
OED-CL-1L1	60/100	880	± 20	5	B
Side Looking Packages					
OED-EL-1556SN	2.0/20	940	± 30	4	C
OED-CL-1556SN	3.5/20	880	± 30	5	C
OED-EL-23G	2.0/20	940	± 30	4	D
OED-CL-23G	3.5/20	880	± 30	5	D

FILAMENT LAMPS


Variable Light Output

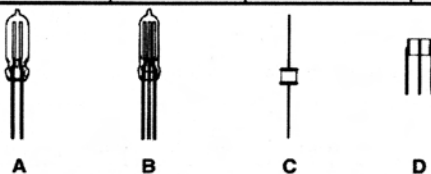
Mfr. No.	V	I (mA)	Iv MSCP	Life K-hrs.	Fig. No.
T-1 (3 mm) Wire Ended					
IFL-LX683	5	60	.05	100	A
IFL-LX715	5	115	.15	40	A
IFL-LX23	14	40	.15	16	A
IFL-LX8111	14	65	.15	16	A
IFL-LX6838	28	24	.15	15	A
T-1 3/4 (5.8 mm) Flange Base					
IFL-LX7335	5	115	.15	40	B
IFL-LX381	6.3	200	.20	20	B
IFL-LX382	14	80	.30	50	B
IFL-LX387	28	40	.30	25	B
IFL-LX327	28	40	.35	7	B
T-1 3/4 (5 mm) Wedge Base					
IFL-LX86	6.3	200	.40	20	C
IFL-LX37	14.0	90	.50	1.5	C
IFL-LX85	28.0	40	.30	7.0	C
T-3 3/4 (10 mm) Wedge and Bayonet Base					
IFL-LX161	14	130	1.0	4	D
IFL-LX194	14	270	2.0	2	D
IFL-LX656	28	60	.62	2	D
IFL-LX44	6.3	250	.9	3	D
IFL-LX1815	14	200	1.4	3	D
IFL-LX1829	28	70	1.0	1	D
IFL-LX120MB	120	25	.36	5	D

GAS INDICATOR AND ARRESTOR TUBES


Radial and Axial Leads. UL Recognized Arrestors

T-2 (6.2 MM) INDICATOR GLOW LAMPS

Mfr. No.	Color	Firing Volts (AC)	Series K ohms
GT-NE6H1525T	Amber	90	33
GT-NG6H1625T	Green	90	47
GT-NY6H1525T	Yellow	90	27
GT-NRGH1525T	Red	90	27
GT-NB6S1525T	Blue	90	51



Mfr. No.	Firing Volts (DC)	I pk KA	Fig.
T-2 1/2 (6.5 mm) Radial Lead Arrestor			
GT-RLSA80D	80	1.5	A
GT-RLSA145D	145	1.5	A
GT-RLSA250D	250	1.5	A
GT-RLSA450D	450	2.0	A

T-2 3/4 (7.0 mm) Three Lead Arrestors

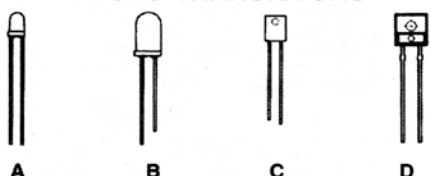
Mfr. No.	Firing Volts (DC)	I pk KA	Fig.
GT-RLSA3080D	80	2.5	B
GT-RLSA3230D	230	2.5	B
GT-RLSA3300D	300	2.5	B

Glass Bottom (8 mm) Arrestors, Two Lead

Mfr. No.	Firing Volts (DC)	I pk KA	Fig.
GT-BG90L	90	5.0	C
GT-BG230L	230	5.0	C
GT-BG470L	470	5.0	C

Ceramic Three Lead Arrestors

Mfr. No.	Firing Volts (DC)	I pk KA	Fig.
GT-CM3090L	90	10.0	D
GT-CM3230L	230	10.0	D

PHOTO-TRANSISTORS


Quick response.

Mfr. No.	I cel (mA) /V ce (Volts)	t r V cc=10V	λ p Type	$\Delta \theta$ Type	Fig. No.
T-1 (3mm) Size					
OED-ST-8L	10/5	3.2 μ s	880	± 30	A
T-1 3/4 (5mm) Size					
OED-ST-1L1	10/5	2.5 μ s	880	± 20	B
T-1 3/4 (5 mm) Size with Daylight Filter Lens					
OED-ST-1L1R2	12/5	2.5 μ s	880	± 20	B
Side Looking Packages					
OED-ST-1556SN	5/5	2.5 μ s	880	± 20	C
OED-ST-23G	4/5	3.2 μ s	880	± 30	D