



# LED Miniature

LED miniature lamps are suitable for such applications as utility displays, industrial equipment, radio and television broadcast equipment, telephone equipment, elevator controls, power plants as well as many others. Long-life, lower power usage, vibration and shock resistance make these LED lamps ideal for any industry. For optimal brightness and saturation, select the LED color closest to the shade of the lens or diffuser the lamp will be used"

- LED lamps come with both a built in resistor and a rectifier diode. This allows for bi-polar function and operates in sockets wired in any polarity
- Up to 90% more energy efficient than incandescent lamps
- Unbreakable
- Wide angle
- Reduced maintenance cost



T-3 1/4 - 7 Cluster

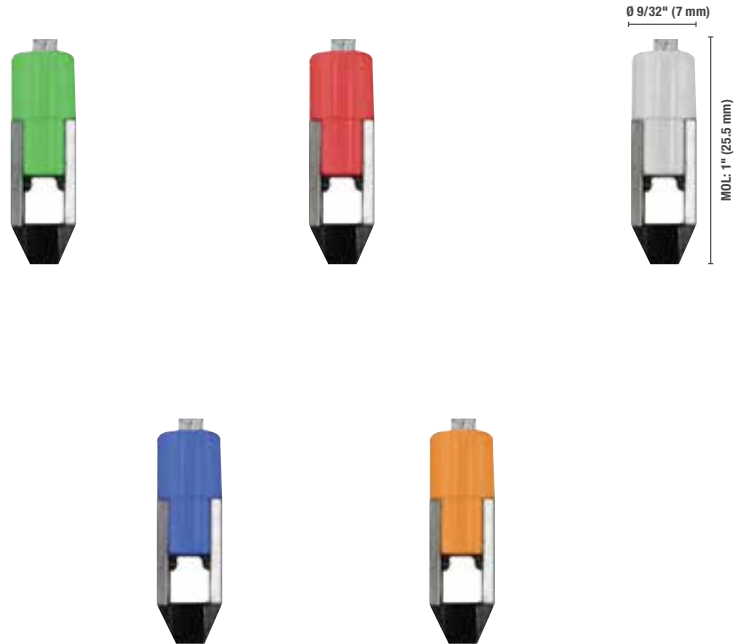


T-3 1/4 - Single chip

Order code	Description	Shape	Base	Volts (VAC)	Color	Life L70 (hrs)
<b>T-3 1/4 - 7 Cluster (24-28 V, 48 V, 120 V)</b>						
62061	LED/WH/T31/4/MB/7CLUSTER/24V-28V	T-3 1/4	Miniature bayonet (BA9s)	24-28	White	100 000
62062	LED/WH/T31/4/7CLUSTER/48V	T-3 1/4	Miniature bayonet (BA9s)	48	White	100 000
62064	LED/B/T31/4/MB/7CLUSTER/120V	T-3 1/4	Miniature bayonet (BA9s)	120	Blue	100 000
62066	LED/R/T31/4/MB/7CLUSTER/120V	T-3 1/4	Miniature bayonet (BA9s)	120	Red	100 000
62067	LED/WH/T31/4/MB/7CLUSTER/120V	T-3 1/4	Miniature bayonet (BA9s)	120	White	100 000
<b>T-3 1/4 - Single chip (6 V, 12-14 V, 24-28 V)</b>						
62028	LED/A/T31/4/MB/6V	T-3 1/4	Miniature bayonet (BA9s)	6	Amber	100 000
62031	LED/B/T31/4/MB/6V	T-3 1/4	Miniature bayonet (BA9s)	6	Blue	100 000
62034	LED/G/T31/4/MB/6V	T-3 1/4	Miniature bayonet (BA9s)	6	Green	100 000
62037	LED/R/T31/4/MB/6V	T-3 1/4	Miniature bayonet (BA9s)	6	Red	100 000
61974	LED/WH/T31/4/MB/6V	T-3 1/4	Miniature bayonet (BA9s)	6	White	100 000
62029	LED/A/T31/4/MB/12V-14V	T-3 1/4	Miniature bayonet (BA9s)	12-14	Amber	100 000
62032	LED/B/T31/4/MB/12V-14V	T-3 1/4	Miniature bayonet (BA9s)	12-14	Blue	100 000
62038	LED/R/T31/4/MB/12V-14V	T-3 1/4	Miniature bayonet (BA9s)	12-14	Red	100 000
62040	LED/WH/T31/4/MB/12V-14V	T-3 1/4	Miniature bayonet (BA9s)	12-14	White	100 000
62030	LED/A/T31/4/MB/24V-28V	T-3 1/4	Miniature bayonet (BA9s)	24-28	Amber	100 000
62033	LED/B/T31/4/MB/24V-28V	T-3 1/4	Miniature bayonet (BA9s)	24-28	Blue	100 000
62036	LED/G/T31/4/MB/24V-28V	T-3 1/4	Miniature bayonet (BA9s)	24-28	Green	100 000
62039	LED/R/T31/4/MB/24V-28V	T-3 1/4	Miniature bayonet (BA9s)	24-28	Red	100 000
61970	LED/WH/T31/4/MB/24V-28V	T-3 1/4	Miniature bayonet (BA9s)	24-28	White	100 000
<b>T-3 1/4 - Single chip (48 V, 60 V, 120 V)</b>						
62047	LED/B/T31/4/MB/48V	T-3 1/4	Miniature bayonet (BA9s)	48	Blue	100 000
62050	LED/G/T31/4/MB/48V	T-3 1/4	Miniature bayonet (BA9s)	48	Green	100 000
62052	LED/R/T31/4MB/48V	T-3 1/4	Miniature bayonet (BA9s)	48	Red	100 000
62055	LED/WH/T31/4MB/48V	T-3 1/4	Miniature bayonet (BA9s)	48	White	100 000
62045	LED/A/T31/4/MB/60V	T-3 1/4	Miniature bayonet (BA9s)	60	Amber	100 000
62048	LED/B/T31/4/MB/60V	T-3 1/4	Miniature bayonet (BA9s)	60	Blue	100 000
62051	LED/G/T31/4/MB/60V	T-3 1/4	Miniature bayonet (BA9s)	60	Green	100 000
62053	LED/R/T31/4/MB/60V	T-3 1/4	Miniature bayonet (BA9s)	60	Red	100 000
62056	LED/WH/T31/4/MB/60V	T-3 1/4	Miniature bayonet (BA9s)	60	White	100 000
62046	LED/A/T31/4/MB/120V	T-3 1/4	Miniature bayonet (BA9s)	120	Amber	100 000
62049	LED/B/T31/4/MB/120V	T-3 1/4	Miniature bayonet (BA9s)	120	Blue	100 000
62024	LED/G/T31/4/MB/120V	T-3 1/4	Miniature bayonet (BA9s)	120	Green	100 000
62054	LED/R/T31/4MB/120V	T-3 1/4	Miniature bayonet (BA9s)	120	Red	100 000
62057	LED/WH/T31/4MB/120V	T-3 1/4	Miniature bayonet (BA9s)	120	White	100 000

\*All colors are available upon request





Order code	Description	Shape	Base	Volts (VAC)	Color	Life L70 (hrs)
<b>T-2 - Single chip flat top (6 V, 12 V, 24-28 V)</b>						
62078	LED/A/T2/PSB/6V	T-2	Telephone slide #5	6	Amber	100 000
62081	LED/G/T2/PSB/6V	T-2	Telephone slide #5	6	Green	100 000
62084	LED/R/T2/PSB/6V	T-2	Telephone slide #5	6	Red	100 000
62087	LED/WH/T2/PSB/6V	T-2	Telephone slide #5	6	White	100 000
62079	LED/A/T2/PSB/12V	T-2	Telephone slide #5	12	Amber	100 000
62082	LED/G/T2/PSB/12V	T-2	Telephone slide #5	12	Green	100 000
62088	LED/WH/T2/PSB/12V	T-2	Telephone slide #5	12	White	100 000
62080	LED/A/T2/PSB/24V-28V	T-2	Telephone slide #5	24-28	Amber	100 000
62083	LED/G/T2/PSB/24V-28V	T-2	Telephone slide #5	24-28	Green	100 000
62086	LED/R/T2/PSB/24V-28V	T-2	Telephone slide #5	24-28	Red	100 000
62089	LED/WH/T2/PSB/24V-28V	T-2	Telephone slide #5	24-28	White	100 000
<b>T-2 - Single chip flat top (48 V, 60 V, 120 V)</b>						
62090	LED/B/T2/PSB/48V	T-2	Telephone slide #5	48	Blue	100 000
62093	LED/G/T2/PSB/48V	T-2	Telephone slide #5	48	Green	100 000
62096	LED/R/T2/PSB/48V	T-2	Telephone slide #5	48	Red	100 000
62099	LED/WH/T2/PSB/48V	T-2	Telephone slide #5	48	White	100 000
62091	LED/B/T2/PSB/60V	T-2	Telephone slide #5	60	Blue	100 000
62094	LED/G/T2/PSB/60V	T-2	Telephone slide #5	60	Green	100 000
62097	LED/R/T2/PSB/60V	T-2	Telephone slide #5	60	Red	100 000
62100	LED/WH/T2/PSB/60V	T-2	Telephone slide #5	60	White	100 000
62092	LED/B/T2/PSB/120V	T-2	Telephone slide #5	120	Blue	100 000
62095	LED/G/T2/PSB/120V	T-2	Telephone slide #5	120	Green	100 000
62098	LED/R/T2/PSB/120V	T-2	Telephone slide #5	120	Red	100 000





Order code	Description	Shape	Base	Volts (VAC)	Color	Life L70 (hrs)
<b>T-1 3/4 - Single chip flat top (6 V, 12 V, 28 V)</b>						
62069	LED/A/T13/4/MF/6V	T-1 3/4	Midget Flange F6	6	Amber	100 000
62072	LED/G/T13/4/MF/6V	T-1 3/4	Midget Flange F6	6	Green	100 000
62075	LED/WH/T13/4/MF/6V	T-1 3/4	Midget Flange F6	6	White	100 000
62070	LED/A/T13/4/MF/12V	T-1 3/4	Midget Flange F6	12	Amber	100 000
62073	LED/G/T13/4/MF/12V	T-1 3/4	Midget Flange F6	12	Green	100 000
62076	LED/WH/T13/4/MF/12V	T-1 3/4	Midget Flange F6	12	White	100 000
62071	LED/A/T13/4/MF/28V	T-1 3/4	Midget Flange F6	28	Amber	100 000
62074	LED/G/T13/4/MF/28V	T-1 3/4	Midget Flange F6	28	Green	100 000
62077	LED/WH/T13/4/MF/28V	T-1 3/4	Midget Flange F6	28	White	100 000



Order code	Description	Shape	Base	Volts (VAC)	Color	Life L70 (hrs)
<b>T-1 3/4 - Single chip flat top (6 V, 12 V, 28 V)</b>						
62105	LED/A/T13/4/MG/6V	T-1 3/4	Midget Groove	6	Amber	100 000
62108	LED/G/T13/4/MG/6V	T-1 3/4	Midget Groove	6	Green	100 000
62111	LED/R/T13/4/MG/6V	T-1 3/4	Midget Groove	6	Red	100 000
62102	LED/WH/T13/4/MG/6V	T-1 3/4	Midget Groove	6	White	100 000
62106	LED/A/T13/4/MG/12V	T-1 3/4	Midget Groove	12	Amber	100 000
62109	LED/G/T13/4/MG/12V	T-1 3/4	Midget Groove	12	Green	100 000
62112	LED/R/T13/4/MG/12V	T-1 3/4	Midget Groove	12	Red	100 000
62103	LED/WH/T13/4/MG/12V	T-1 3/4	Midget Groove	12	White	100 000
62107	LED/A/T13/4/MG/28V	T-1 3/4	Midget Groove	28	Amber	100 000
62110	LED/G/T13/4/MG/28V	T-1 3/4	Midget Groove	28	Green	100 000
62113	LED/R/T13/4/MG/28V	T-1 3/4	Midget Groove	28	Red	100 000
62104	LED/WH/T13/4/MG/28V	T-1 3/4	Midget Groove	28	White	100 000



LED - Miniature Lamp



Order code	Description	Shape	Base	Volts (VAC)	Color	Life L70 (hrs)
<b>T-1 3/4 - Single chip flat top (6 V, 12 V, 28 V)</b>						
62114	LED/G/T13/4WB/6V	T-1 3/4	Wedge	6	Green	100 000
62117	LED/R/T13/4WB/6V	T-1 3/4	Wedge	6	Red	100 000
62120	LED/WH/T13/4WB/6V	T-1 3/4	Wedge	6	White	100 000
62115	LED/G/T13/4WB/12V	T-1 3/4	Wedge	12	Green	100 000
62118	LED/R/T13/4WB/12V	T-1 3/4	Wedge	12	Red	100 000
62121	LED/WH/T13/4WB/12V	T-1 3/4	Wedge	12	White	100 000
62116	LED/G/T13/4WB/28V	T-1 3/4	Wedge	28	Green	100 000
62119	LED/R/T13/4WB/28V	T-1 3/4	Wedge	28	Red	100 000
62122	LED/WH/T13/4WB/28V	T-1 3/4	Wedge	28	White	100 000



Order code	Description	Shape	Base	Volts (VAC)	Color	Life L70 (hrs)
<b>T-3 1/4 - Single chip dome top (6 V, 12 V, 28 V)</b>						
62123	LED/A/T31/4/WB/6V	T-3 1/4	Wedge	6	Amber	100 000
62126	LED/G/T31/4/WB/6V	T-3 1/4	Wedge	6	Green	100 000
62132	LED/WH/T31/4/WB/6V	T-3 1/4	Wedge	6	White	100 000
62124	LED/A/T31/4/WB/12V-14V	T-3 1/4	Wedge	12	Amber	100 000
62127	LED/G/T31/4/WB/12V-14V	T-3 1/4	Wedge	12	Green	100 000
62130	LED/R/T31/4/WB/12V-14V	T-3 1/4	Wedge	12	Red	100 000
62133	LED/WH/T31/4/WB/12V-14V	T-3 1/4	Wedge	12	White	100 000
62125	LED/A/T31/4/WB/24V-28V	T-3 1/4	Wedge	24-28	Amber	100 000
62128	LED/G/T31/4/WB/24V-28V	T-3 1/4	Wedge	24-28	Green	100 000
62131	LED/R/T31/4/WB/24V-28V	T-3 1/4	Wedge	24-28	Red	100 000





Order code	Description	Shape	Base	Volts (VAC)	Color	Life L70 (hrs)
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**S6 - 7 Cluster (12-14 V, 28 V)**

62151	LED/A/S6/SC/12-14V	S6	Single Contact (BA15s)	12-14	Amber	100 000
62153	LED/G/S6/SC/12-14V	S6	Single Contact (BA15s)	12-14	Green	100 000
62152	LED/A/S6/SC/28V	S6	Single Contact (BA15s)	28	Amber	100 000
62154	LED/G/S6/SC/28V	S6	Single Contact (BA15s)	28	Green	100 000
62156	LED/R/S6/SC/28V	S6	Single Contact (BA15s)	28	Red	100 000

**S6 - 7 Cluster (12-14 V, 28 V)**

62161	LED/G/S6/DC/12-14V	S6	Double Contact (BA15d)	12-14	Green	100 000
62159	LED/R/S6/DC/12-14V	S6	Double Contact (BA15d)	12-14	Red	100 000
62162	LED/G/S6/DC/28V	S6	Double Contact (BA15d)	28	Green	100 000
62160	LED/R/S6/DC/28V	S6	Double Contact (BA15d)	28	Red	100 000



Order code	Description	Shape	Base	Volts (VAC)	Color	Life L70 (hrs)
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**S6 - 7 Cluster (12-14 V, 28 V)**

62135	LED/A/S6/CAND/12-14V	S6	Candelabra (E12)	12-14	Amber	100 000
62143	LED/B/S6/CAND/12-14V	S6	Candelabra (E12)	12-14	Blue	100 000
62139	LED/R/S6/CAND/12V-14V	S6	Candelabra (E12)	12-14	Red	100 000
62136	LED/A/S6/CAND/24V-28V	S6	Candelabra (E12)	24-28	Amber	100 000
62144	LED/B/S6/CAND/24V-28V	S6	Candelabra (E12)	24-28	Blue	100 000
62138	LED/G/S6/CAND/24V-28V	S6	Candelabra (E12)	24-28	Green	100 000
62142	LED/WH/S6/CAND/24V-28V	S6	Candelabra (E12)	24-28	White	100 000

**S6 - 7 Cluster (120 V)**

62145	LED/A/S6/CAND/120V	S6	Candelabra (E12)	120	Amber	100 000
62146	LED/B/S6/CAND/120V	S6	Candelabra (E12)	120	Blue	100 000
62147	LED/G/S6/CAND/120V	S6	Candelabra (E12)	120	Green	100 000
62148	LED/R/S6/CAND/120V	S6	Candelabra (E12)	120	Red	100 000
62149	LED/WH/S6/CAND/120V	S6	Candelabra (E12)	120	White	100 000

