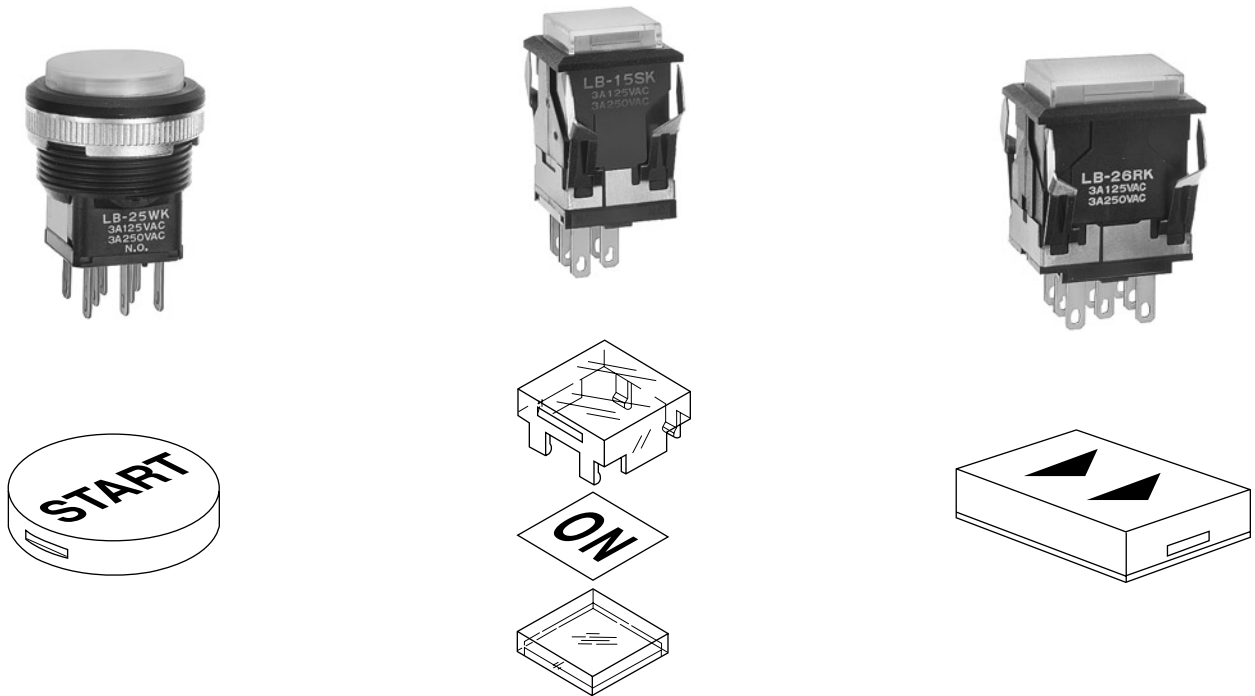


# LB Series Legend Packet



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The primary purpose of this Legend Packet is to let our customers know that NKK Switches provides full support regarding your legending requirements. The packet is designed to provide information to make your legending choices easy and concise, and to let you know that our availability can range from answering a few questions to guiding you through the entire process. Feel free to acquaint yourself with the following pages specific to your applications, then contact us and let us know how we may be of further assistance. We look forward to serving all your legending needs.



7850 East Gelding Drive • Scottsdale, Arizona 85260  
www.nkkswitches.com • Phone: 480.991.0942 • Fax: 480.998.1435

**LB Series Legend Instructions**

**1 Customer Information** Today's Date \_\_\_\_\_

---

Company Name \_\_\_\_\_ Phone (    ) \_\_\_\_\_

---

Address \_\_\_\_\_ Fax (    ) \_\_\_\_\_

---

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

---

Contact Person \_\_\_\_\_ Email \_\_\_\_\_

*Important! Please complete one Request Form for each legend requested.*

**2 Switch**

---

Switch Part Number \_\_\_\_\_ Quantity Requested \_\_\_\_\_

---

Cap Part Number \_\_\_\_\_

*Refer to Legend Packet page LB3 and LB4 if you need assistance.*

**3 Surface**

---

Lens     
  Film Insert     
  Other (contact factory) \_\_\_\_\_

*See Legend Packet page LB3 and LB4 if you need more information on printable surfaces.*

**4 Font Style and Size**

---

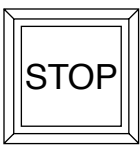
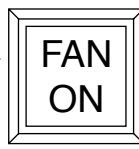

Helvetica Light     
  Helvetica Regular     
  **Helvetica Bold**     
  **Helvetica Black**     
  Other Font Style (contact factory)

Font Size: \_\_\_\_\_ point

*Refer to Legend Packet pages LB6 ~ LB10 to determine your font style and point size.*

**5 Characters**

---

<b>1 line</b>	<b>2 lines</b>	<b>3 lines</b>
		
Your Legend Text Here	Your Legend Text Here	Your Legend Text Here

Sample

Sample

Sample

**Minimum distance between characters is critical to legibility and cannot be less than .015".**

*Refer to Legend Packet page LB11 - LB12 to determine your maximum printable area. Legend Packet pages LB6 - LB10 provide character widths and heights. Note: All legends will be centered unless otherwise indicated.*

**6** *Please make your selections below by checking one box in each row.*

**Legend Color**     
  Black     
  White     
  Other (contact factory)

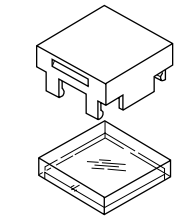
**Printing Method**     
  Screen Print     
  Pad Print     
  \*Laser Etch     
  Other (contact factory)

**\*\*Legend Orientation**     
  P/N Left     
  P/N Top     
  P/N Right     
  P/N Bottom

*\*Laser Etch on clear lens only.*

*\*\*See Legend Packet page LB5 for legend orientation specifications.*

**Solid Cap for Incandescent Lamp**

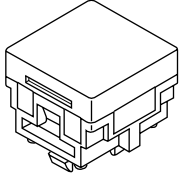


Lens

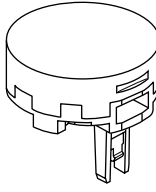
Filter

Legend on Lens

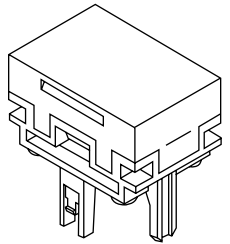
**AT476**  
Square



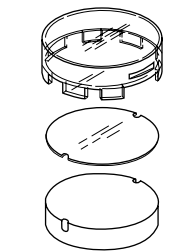
**AT4012**  
Round



**AT4026**  
Rectangular



**Insert Cap for Incandescent or Neon Lamp**



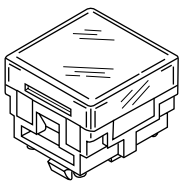
Lens

Film Insert

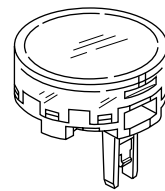
Filter

Legend on Lens or Insert

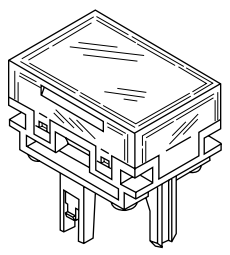
**AT477**  
Square



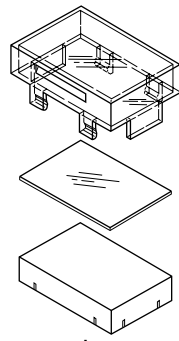
**AT4013**  
Round



**AT4027**  
Rectangular



**Cap for Bright LED without Resistor**



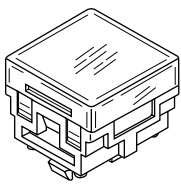
Lens

Film Insert

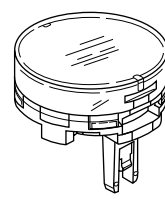
Diffuser

Legend on Lens or Insert

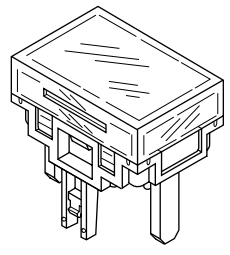
**AT4176**  
Square



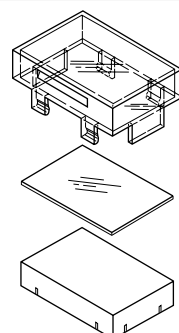
**AT4178**  
Round



**AT4177**  
Rectangular



**Cap for Bright LED with Resistor**



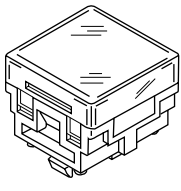
Lens

Film Insert

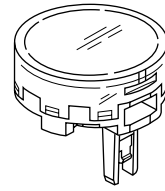
Diffuser

Legend on Lens or Insert

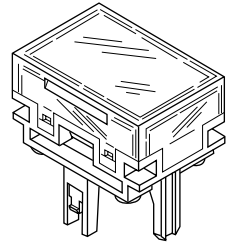
**AT4162**  
Square



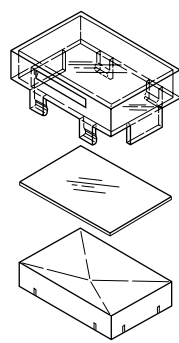
**AT4164**  
Round



**AT4163**  
Rectangular



**Cap for Super Bright LED**



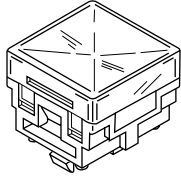
Lens

Film Insert

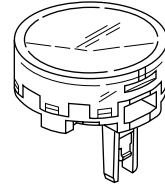
Diffuser

Legend on Lens or Insert

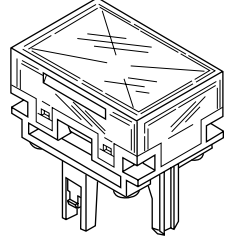
**AT4129**  
Square



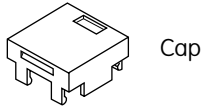
**AT4128**  
Round



**AT4130**  
Rectangular

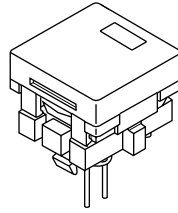


## Spot Illuminated Cap with LED

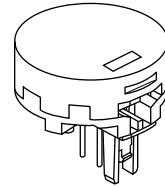


Legend on Cap

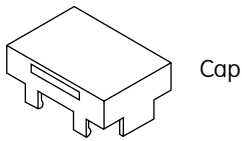
**AT480**  
Square



**AT4016**  
Round

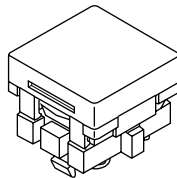


## Nonilluminated Cap

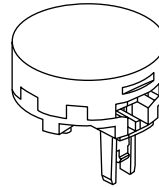


Legend on Cap

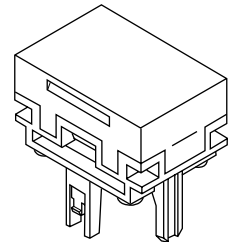
**AT484**  
Square



**AT4017**  
Round



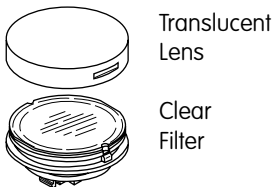
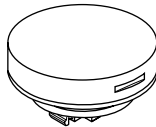
**AT4030**  
Rectangular



## Panel Seal Cap

### Solid Cap for Incandescent Lamp

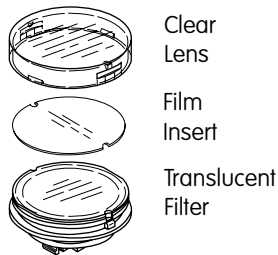
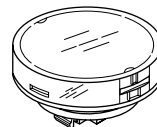
**AT4054**  
Round



Legend on Lens

### Insert Cap for Incandescent or Neon Lamp

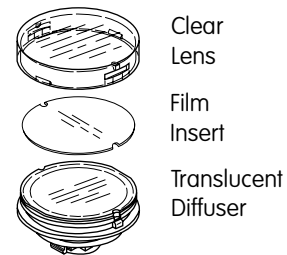
**AT4055**  
Round



Legend on Lens or Insert

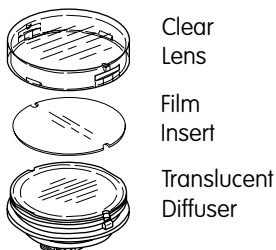
### Cap for Bright LED without Resistor

**AT4179**  
Round

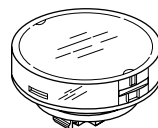


Legend on Lens or Insert

### Cap for Bright LED with Resistor

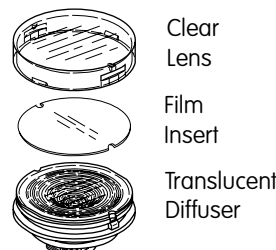


**AT4165**  
Round



Legend on Lens or Insert

### Cap for Super Bright LED

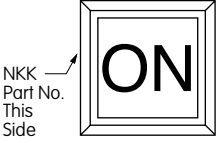
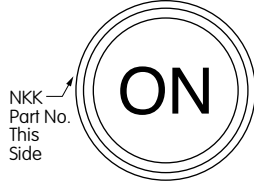
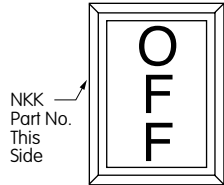
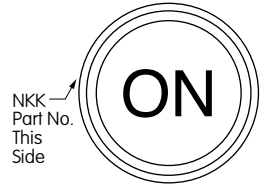

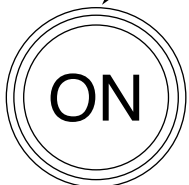
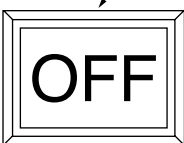
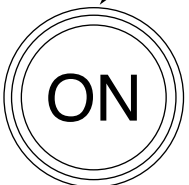
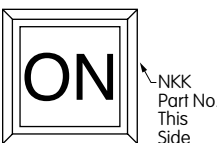
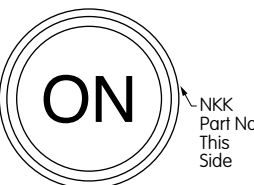
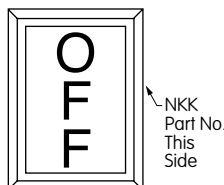
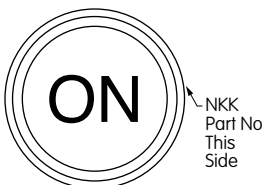

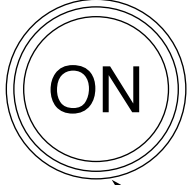

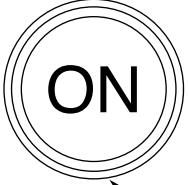


**AT4131**  
Round

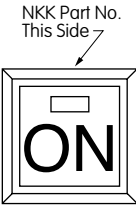
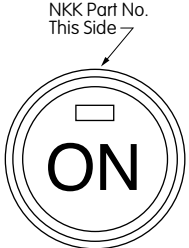


Legend on Lens or Insert

## Orientation of Legends on Square, Round, Rectangular and Tound Panel Seal Switches

<p><b>1</b></p> <p>NKK Part No. Left Side</p>	 <p>Square Cap Code S</p>	 <p>Round Cap Code C</p>	 <p>Rectangular Cap Code R</p>	 <p>Panel Seal Code W</p>
<p><b>2</b></p> <p>NKK Part No. Top</p>	 <p>Square Cap Code S</p>	 <p>Round Cap Code C</p>	 <p>Rectangular Cap Code R</p>	 <p>Panel Seal Code W</p>
<p><b>3</b></p> <p>NKK Part No. Right Side</p>	 <p>Square Cap Code S</p>	 <p>Round Cap Code C</p>	 <p>Rectangular Cap Code R</p>	 <p>Panel Seal Code W</p>
<p><b>4</b></p> <p>NKK Part No. Bottom</p>	 <p>Square Cap Code S</p>	 <p>Round Cap Code C</p>	 <p>Rectangular Cap Code R</p>	 <p>Panel Seal Code W</p>

## Orientation of Legends on Square, Round or Rectangular Spot Illuminated Switches

 <p>Square Spot Illuminated Cap with LED Square Cap Code S</p>	 <p>Round Spot Illuminated Cap with LED Round Cap Code C</p>
---	---

## LB Series Legend Instructions

The following tables display Helvetica font styles in graduated point sizes. These tables can give you an idea at a glance which size might be most compatible for your legend. For more detailed information on each font style and individual character widths, see pages LB7 through LB10.

### HELVETICA LIGHT

Actual Font and Size	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI
Font Size in Points	6	7	8	9	10	11	12	14	16	18	20	22
Character Height	.063"	.075"	.084"	.092"	.100"	.111"	.120"	.141"	.161"	.189"	.211"	.231"

See page LB7 for the Helvetica Light Font Style table.

### HELVETICA REGULAR

Actual Font and Size	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI
Font Size in Points	6	7	8	9	10	11	12	14	16	18	20	22
Character Height	.064"	.077"	.086"	.096"	.107"	.118"	.129"	.149"	.171"	.189"	.214"	.250"

See page LB8 for the Helvetica Regular Font Style table.

### HELVETICA BOLD

Actual Font and Size			EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI
Font Size in Points	6	7	8	9	10	11	12	14	16	18	20	22
Character Height	n/a	n/a	.086"	.096"	.107"	.117"	.128"	.149"	.170"	.191"	.203"	.234"

See page LB9 for the Helvetica Bold Font Style table.

### HELVETICA BLACK

Actual Font and Size			EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI
Font Size in Points	6	7	8	9	10	11	12	14	16	18	20	22
Character Height	n/a	n/a	.084"	.095"	.106"	.116"	.126"	.149"	.169"	.189"	.211"	.229"

See page LB10 for the Helvetica Black Font Style table.

**Note:** Minimum distance between characters on any font style is critical to legibility and cannot be less than .015". Remember to include this dimension *between* each character width when calculating overall legend length.

## LB Series Legend Instructions

Actual Font and Size	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI
Font Size in Points	6	7	8	9	10	11	12	14	16	18	20	22
Character Height	.063"	.075"	.084"	.092"	.100"	.111"	.120"	.141"	.161"	.189"	.211"	.231"
Character	Character Widths in Inches											
A	.054	.062	.071	.081	.089	.098	.107	.124	.142	.160	.178	.195
B	.044	.053	.053	.068	.075	.083	.089	.104	.117	.134	.148	.163
C	.051	.062	.070	.079	.088	.088	.104	.122	.139	.156	.174	.191
D	.050	.058	.069	.074	.083	.091	.098	.116	.131	.148	.163	.181
E	.042	.049	.055	.063	.069	.076	.076	.096	.109	.123	.137	.150
F	.038	.045	.053	.059	.064	.072	.072	.091	.102	.117	.130	.142
G	.055	.063	.072	.072	.092	.099	.109	.126	.143	.162	.180	.197
H	.048	.056	.063	.072	.079	.087	.095	.110	.125	.142	.158	.174
I	.006	.008	.009	.010	.010	.011	.012	.014	.015	.018	.020	.022
J	.033	.040	.044	.050	.056	.061	.061	.077	.088	.100	.110	.122
K	.048	.056	.063	.071	.079	.088	.088	.110	.127	.145	.159	.173
L	.037	.045	.050	.057	.064	.070	.076	.089	.102	.115	.127	.140
M	.058	.065	.077	.086	.096	.104	.114	.132	.151	.171	.189	.206
N	.049	.056	.063	.073	.079	.087	.095	.110	.126	.142	.158	.174
O	.057	.065	.076	.084	.095	.103	.113	.131	.149	.169	.188	.205
P	.043	.050	.056	.064	.070	.076	.084	.097	.112	.126	.139	.152
Q	.057	.066	.076	.085	.094	.105	.113	.131	.149	.168	.186	.206
R	.047	.052	.061	.069	.075	.083	.090	.104	.118	.134	.151	.163
S	.045	.052	.059	.069	.074	.083	.087	.102	.117	.134	.147	.161
T	.045	.051	.059	.069	.073	.082	.088	.102	.116	.133	.146	.161
U	.048	.056	.063	.069	.078	.086	.094	.109	.125	.142	.155	.170
V	.049	.055	.064	.073	.079	.089	.096	.113	.129	.146	.162	.177
W	.073	.084	.096	.109	.121	.133	.145	.168	.192	.216	.241	.264
X	.048	.056	.064	.073	.082	.089	.097	.113	.129	.147	.162	.177
Y	.050	.058	.066	.074	.083	.090	.097	.115	.131	.147	.163	.181
Z	.047	.053	.062	.070	.077	.077	.092	.108	.122	.138	.153	.168
1	.022	.023	.028	.031	.036	.038	.042	.049	.055	.062	.069	.078
2	.041	.047	.053	.059	.065	.072	.078	.093	.105	.117	.131	.145
3	.041	.048	.054	.060	.067	.067	.080	.094	.107	.120	.133	.147
4	.041	.048	.054	.060	.068	.068	.082	.095	.108	.122	.134	.149
5	.040	.046	.053	.059	.067	.073	.079	.092	.105	.118	.131	.145
6	.040	.046	.054	.060	.066	.073	.081	.093	.104	.119	.132	.146
7	.038	.044	.051	.057	.063	.069	.075	.089	.101	.113	.125	.138
8	.040	.046	.052	.060	.060	.072	.078	.092	.106	.117	.131	.144
9	.040	.047	.054	.060	.066	.073	.080	.093	.106	.119	.133	.146
0	.040	.048	.054	.060	.067	.074	.080	.093	.107	.120	.133	.147
.	.005	.007	.008	.010	.010	.013	.013	.014	.017	.019	.019	.023
,	.007	.008	.009	.010	.010	.012	.014	.016	.017	.019	.021	.023
+	.042	.050	.056	.064	.069	.077	.085	.097	.110	.125	.139	.153
-	.021	.025	.029	.032	.036	.039	.043	.051	.056	.064	.071	.078
/	.023	.029	.033	.037	.042	.046	.050	.057	.065	.074	.081	.089

**Note: Minimum distance between characters is critical to legibility and cannot be less than .015".**

## LB Series Legend Instructions

Actual Font and Size	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI
Font Size in Points	6	7	8	9	10	11	12	14	16	18	20	22
Character Height	.064"	.077"	.086"	.096"	.107"	.118"	.129"	.149"	.171"	.189"	.214"	.250"
Character	Character Widths in Inches											
A	.054	.063	.072	.081	.089	.097	.108	.126	.142	.159	.178	.196
B	.045	.054	.061	.069	.076	.084	.091	.105	.122	.139	.151	.167
C	.053	.062	.069	.079	.088	.096	.105	.122	.139	.159	.176	.194
D	.048	.056	.065	.073	.082	.090	.097	.112	.129	.145	.161	.178
E	.044	.052	.059	.066	.074	.081	.086	.103	.116	.132	.145	.160
F	.042	.056	.056	.063	.069	.076	.082	.095	.102	.123	.136	.149
G	.056	.064	.075	.085	.094	.103	.111	.130	.147	.167	.185	.204
H	.048	.056	.063	.071	.079	.087	.094	.109	.125	.140	.157	.173
I	.009	.010	.011	.010	.014	.013	.016	.019	.020	.024	.028	.029
J	.035	.041	.047	.051	.057	.064	.070	.081	.090	.102	.115	.127
K	.049	.057	.064	.073	.081	.088	.097	.111	.127	.144	.162	.178
L	.039	.043	.051	.057	.063	.069	.076	.088	.102	.113	.127	.139
M	.059	.067	.077	.086	.096	.107	.116	.134	.155	.173	.191	.211
N	.049	.058	.064	.072	.079	.087	.096	.111	.129	.141	.160	.175
O	.059	.069	.079	.089	.097	.109	.117	.138	.156	.177	.198	.215
P	.044	.052	.058	.066	.074	.082	.089	.103	.115	.133	.148	.161
Q	.058	.069	.079	.089	.099	.108	.117	.139	.157	.177	.198	.216
R	.050	.058	.067	.075	.082	.090	.098	.113	.130	.147	.164	.181
S	.048	.056	.064	.072	.080	.088	.096	.111	.126	.142	.161	.161
T	.049	.056	.063	.071	.080	.089	.097	.111	.127	.142	.161	.176
U	.048	.056	.063	.071	.078	.087	.094	.110	.126	.139	.158	.173
V	.052	.060	.071	.077	.086	.097	.103	.120	.138	.154	.173	.189
W	.076	.089	.101	.114	.128	.138	.153	.178	.204	.227	.251	.280
X	.053	.062	.071	.080	.088	.098	.106	.122	.140	.156	.174	.193
Y	.054	.064	.073	.083	.090	.100	.109	.126	.146	.162	.181	.200
Z	.047	.054	.063	.070	.078	.086	.094	.108	.124	.139	.155	.172
1	.021	.023	.029	.031	.035	.038	.041	.046	.056	.063	.068	.076
2	.041	.047	.055	.061	.066	.074	.078	.093	.107	.119	.134	.146
3	.041	.046	.054	.060	.067	.072	.080	.094	.107	.119	.133	.146
4	.042	.048	.056	.062	.069	.076	.082	.096	.111	.122	.138	.151
5	.041	.048	.054	.061	.067	.074	.080	.093	.107	.120	.134	.148
6	.040	.046	.054	.060	.066	.072	.080	.092	.107	.119	.131	.145
7	.041	.047	.053	.060	.069	.072	.080	.093	.105	.118	.133	.145
8	.040	.046	.053	.060	.066	.073	.079	.092	.107	.119	.133	.147
9	.040	.046	.053	.059	.065	.072	.080	.092	.105	.119	.132	.145
0	.040	.045	.052	.059	.065	.071	.077	.090	.102	.116	.129	.141
.	.009	.011	.012	.014	.015	.016	.017	.020	.023	.027	.029	.031
,	.008	.011	.012	.014	.017	.017	.018	.020	.024	.026	.030	.023
+	.041	.048	.054	.061	.068	.074	.081	.095	.110	.122	.134	.149
-	.020	.023	.026	.030	.034	.037	.041	.048	.054	.061	.066	.074
/	.025	.029	.033	.039	.041	.045	.050	.056	.065	.074	.081	.089

**Note: Minimum distance between characters is critical to legibility and cannot be less than .015".**



## LB Series Legend Instructions

Actual Font and Size			EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI
Font Size in Points	6	7	8	9	10	11	12	14	16	18	20	22
Character Height	n/a	n/a	.086"	.096"	.107"	.117"	.128"	.149"	.170"	.191"	.203"	.234"
Character	Character Widths in Inches											
A			.076	.085	.095	.105	.113	.132	.150	.170	.189	.208
B	n/a	n/a	.065	.073	.082	.089	.097	.114	.129	.146	.163	.179
C			.073	.081	.089	.098	.107	.125	.144	.162	.179	.196
D			.068	.076	.085	.093	.102	.119	.135	.151	.168	.186
E	n/a	n/a	.062	.069	.076	.084	.092	.107	.122	.137	.152	.168
F			.057	.065	.072	.079	.086	.101	.115	.129	.143	.157
G			.075	.084	.094	.103	.112	.130	.149	.168	.186	.205
H	n/a	n/a	.065	.075	.083	.090	.099	.116	.131	.148	.164	.181
I			.017	.019	.022	.023	.026	.030	.034	.038	.043	.047
J			.052	.059	.065	.071	.077	.091	.103	.116	.129	.142
K	n/a	n/a	.073	.082	.090	.099	.109	.126	.143	.162	.180	.198
L			.056	.063	.070	.076	.084	.098	.111	.126	.140	.154
M			.080	.089	.100	.109	.120	.140	.159	.179	.199	.219
N	n/a	n/a	.067	.075	.083	.091	.100	.116	.132	.148	.166	.182
O			.079	.088	.097	.107	.118	.137	.156	.176	.195	.215
P			.063	.070	.078	.086	.095	.109	.124	.140	.155	.171
Q	n/a	n/a	.077	.088	.098	.108	.118	.137	.157	.175	.195	.216
R			.067	.076	.083	.092	.100	.116	.133	.149	.167	.184
S			.068	.076	.084	.092	.102	.118	.135	.151	.168	.185
T	n/a	n/a	.065	.074	.082	.089	.098	.115	.131	.147	.163	.180
U			.065	.073	.082	.089	.098	.114	.129	.145	.162	.177
V			.069	.078	.087	.096	.104	.122	.140	.157	.175	.191
W	n/a	n/a	.102	.116	.129	.142	.155	.180	.206	.230	.256	.281
X			.070	.081	.089	.098	.106	.122	.140	.159	.176	.193
Y			.069	.078	.087	.096	.105	.122	.139	.156	.175	.191
Z	n/a	n/a	.062	.069	.077	.084	.092	.108	.122	.138	.153	.168
1			.035	.039	.043	.049	.053	.060	.069	.078	.086	.096
2			.054	.061	.067	.074	.082	.094	.107	.122	.135	.148
3	n/a	n/a	.055	.062	.069	.076	.082	.095	.109	.122	.136	.149
4			.056	.063	.069	.077	.083	.098	.112	.125	.140	.153
5			.056	.062	.069	.076	.083	.096	.109	.122	.136	.151
6	n/a	n/a	.055	.063	.069	.076	.082	.096	.109	.122	.138	.149
7			.056	.063	.070	.077	.084	.098	.112	.119	.140	.154
8			.056	.063	.069	.078	.085	.099	.112	.127	.140	.154
9	n/a	n/a	.055	.061	.069	.076	.083	.096	.109	.122	.135	.149
0			.055	.062	.069	.076	.081	.096	.109	.122	.137	.150
.			.017	.019	.021	.023	.026	.030	.033	.038	.043	.047
,	n/a	n/a	.017	.020	.022	.023	.026	.030	.034	.038	.043	.047
+			.054	.061	.068	.075	.081	.096	.108	.122	.135	.148
-			.031	.034	.038	.042	.046	.054	.061	.069	.078	.084
/	n/a	n/a	.030	.035	.038	.043	.046	.054	.062	.069	.076	.084

**Note: Minimum distance between characters is critical to legibility and cannot be less than .015".**

## LB Series Legend Instructions

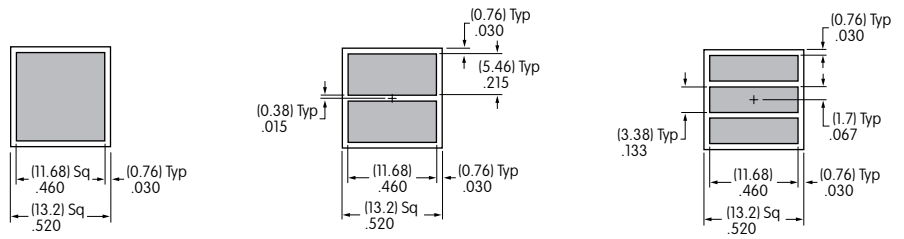
Actual Font and Size			EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI
Font Size in Points	6	7	8	9	10	11	12	14	16	18	20	22
Character Height	n/a	n/a	.084"	.095"	.106"	.116"	.126"	.149"	.169"	.189"	.211"	.229"
Character	Character Widths in Inches											
A			.085	.096	.106	.116	.127	.148	.170	.186	.211	.233
B	n/a	n/a	.075	.084	.093	.102	.111	.129	.147	.167	.184	.203
C			.082	.091	.102	.112	.122	.142	.162	.182	.203	.222
D			.078	.088	.097	.107	.115	.136	.155	.174	.193	.214
E	n/a	n/a	.068	.076	.084	.093	.101	.117	.134	.151	.168	.184
F			.063	.071	.079	.087	.094	.110	.125	.141	.157	.173
G			.082	.092	.102	.112	.122	.141	.162	.183	.203	.223
H	n/a	n/a	.078	.088	.097	.108	.117	.136	.155	.175	.194	.212
I			.027	.030	.034	.037	.040	.047	.053	.060	.067	.072
J			.065	.072	.081	.088	.096	.112	.127	.142	.159	.175
K	n/a	n/a	.084	.095	.104	.116	.125	.147	.167	.188	.210	.230
L			.063	.071	.079	.087	.094	.110	.125	.141	.157	.171
M			.092	.103	.115	.126	.139	.161	.184	.208	.230	.251
N	n/a	n/a	.078	.087	.097	.108	.116	.136	.155	.175	.194	.214
O			.085	.095	.106	.116	.126	.148	.168	.190	.211	.231
P			.074	.083	.092	.101	.109	.128	.146	.165	.183	.200
Q	n/a	n/a	.085	.095	.106	.116	.126	.147	.168	.189	.211	.230
R			.076	.087	.096	.105	.115	.135	.153	.172	.192	.212
S			.074	.083	.092	.101	.109	.129	.147	.165	.182	.201
T	n/a	n/a	.074	.084	.093	.102	.110	.129	.147	.166	.185	.203
U			.078	.088	.097	.108	.116	.135	.155	.175	.194	.211
V			.083	.093	.102	.112	.123	.142	.164	.184	.205	.226
W	n/a	n/a	.111	.124	.138	.152	.167	.194	.221	.250	.275	.303
X			.086	.097	.106	.117	.128	.149	.171	.190	.213	.234
Y			.086	.098	.109	.119	.129	.150	.172	.194	.215	.237
Z	n/a	n/a	.073	.082	.090	.100	.109	.127	.145	.163	.181	.199
1			.042	.047	.052	.058	.063	.073	.083	.094	.104	.113
2			.068	.076	.083	.091	.100	.117	.132	.149	.167	.183
3	n/a	n/a	.069	.076	.083	.092	.101	.117	.133	.150	.167	.184
4			.069	.076	.086	.094	.102	.120	.136	.154	.170	.188
5			.069	.076	.085	.094	.102	.120	.136	.153	.170	.186
6	n/a	n/a	.069	.077	.086	.095	.103	.121	.137	.154	.171	.189
7			.064	.072	.080	.088	.096	.111	.127	.142	.158	.175
8			.069	.077	.085	.094	.102	.120	.135	.154	.170	.186
9	n/a	n/a	.069	.077	.085	.096	.102	.121	.136	.155	.170	.189
0			.069	.076	.085	.095	.103	.119	.136	.154	.171	.189
.			.023	.027	.030	.033	.036	.042	.048	.053	.060	.066
,	n/a	n/a	.023	.027	.030	.033	.037	.042	.048	.054	.060	.066
+			.056	.063	.071	.077	.084	.098	.114	.127	.141	.155
-			.030	.034	.037	.042	.045	.053	.061	.068	.076	.083
/	n/a	n/a	.039	.043	.049	.052	.058	.068	.077	.086	.096	.104

**Note: Minimum distance between characters is critical to legibility and cannot be less than .015".**

Note: All gray areas represent printable surfaces.

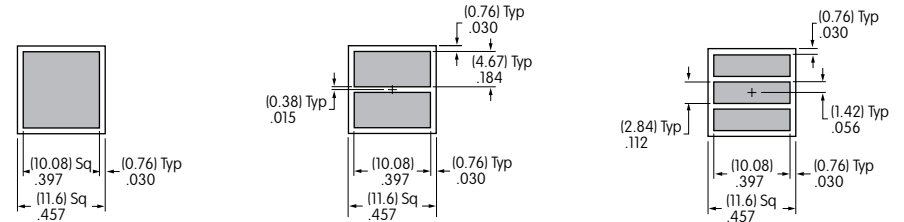
### Square Cap Lens

- 1 line maximum height .460"
- 2 lines maximum height .215"
- 3 lines maximum height .133"
- Maximum width .460"



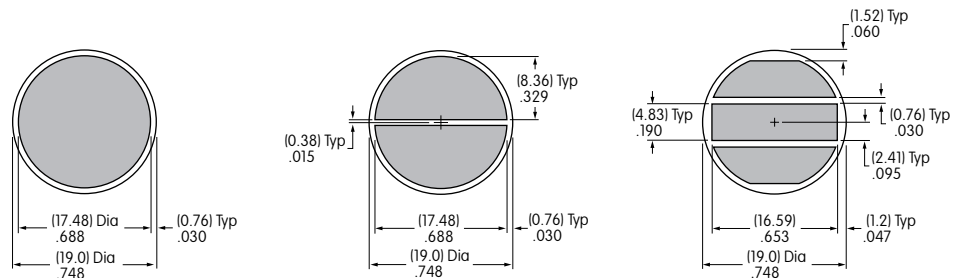
### Square Film Insert

- 1 line maximum height .397"
- 2 lines maximum height .184"
- 3 lines maximum height .112"
- Maximum width .397"



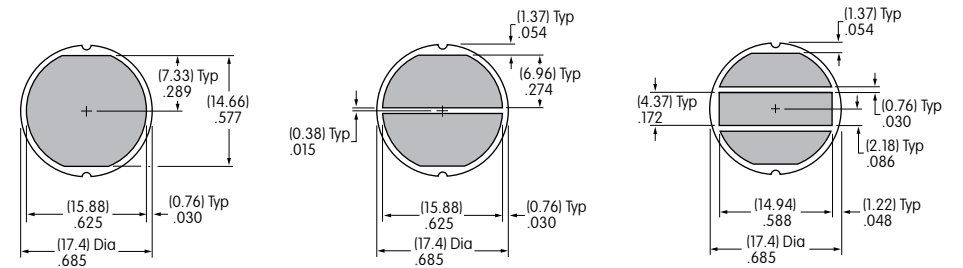
### Round Cap Lens

Note maximum space available for 1, 2 or 3 line legends. These dimensions must be considered when choosing font style and size for round cap lens.\*



### Round Film Insert

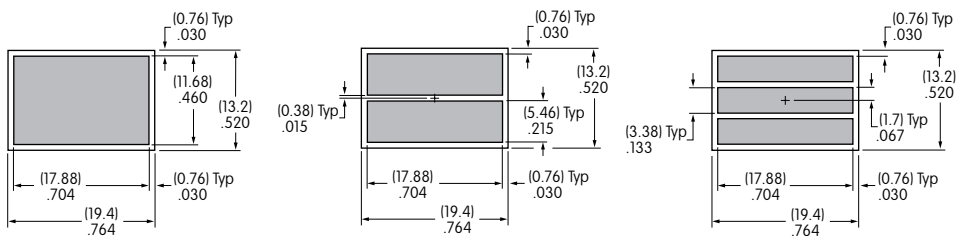
Note maximum space available for 1, 2 or 3 line legends. These dimensions must be considered when choosing font style and size for round cap lens.\*



\*Factory assistance available

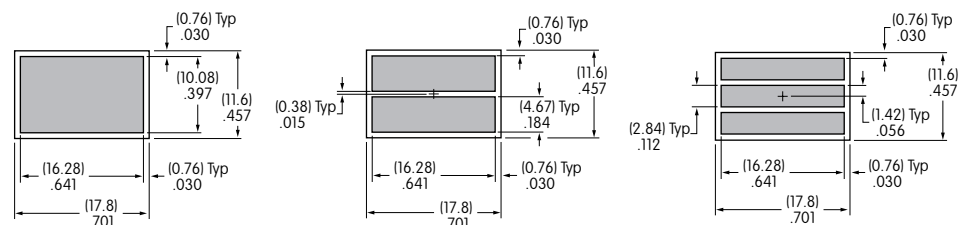
### Rectangular Cap Lens

- 1 line maximum height .460"
- 2 lines maximum height .215"
- 3 lines maximum height .133"
- Maximum width .704"



### Rectangular Film Insert

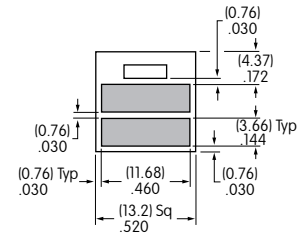
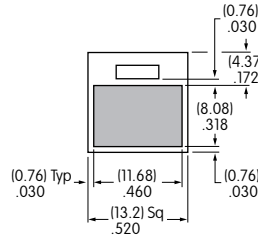
- 1 line maximum height .397"
- 2 lines maximum height .184"
- 3 lines maximum height .112"
- Maximum width .641"



Note: All gray areas represent printable surfaces.

## Square Cap with Window

1 line maximum height .318"  
 2 lines maximum height .144"  
 Maximum width .460"



## Round Cap with Window

Note maximum space available for 1 or 2 line legends. These dimensions must be considered when choosing font style and size for round cap.\*

\*Factory assistance available

