

# SPRAGUE OPTOELECTRONIC DEVICES

T-41-21

## DISCRETE LIGHT SOURCES, continued

| Package Outline | Q-Line Stock No.                                                                                                                                   | Sprague Cat. No.                                                                                                     | Emission Color                                                             | Luminous Intensity (mcd)                                             | Forward Current (mA)                                     | Material/Wavelength (nm)                                                                                   | Lens Configuration                                                                                                                                                                     | Mounting Hardware |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------------------------------------------|----------------------------------------------------------|------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Fig. 9          | QLP-1214-01<br>QLP-1216-01<br>QLP-1210-01<br>QLP-1212-01<br>QLP-1218-01<br>QLP-1220-01                                                             | ED123G<br>ED124G<br>ED123R<br>ED124R<br>ED123Y<br>ED124Y                                                             | Green<br>Green<br>Red<br>Red<br>Yellow<br>Yellow                           | 0.7<br>0.4<br>1.5<br>1.0<br>2.0<br>1.0                               | 10<br>10<br>10<br>10<br>10<br>10                         | GaP/555<br>GaP/555<br>GaP/700<br>GaP/700<br>GaAsP on GaP/585<br>GaAsP on GaP/585                           | Green Clear<br>Green Diffused<br>Red Clear<br>Red Diffused<br>Yellow Clear<br>Yellow Diffused                                                                                          | none              |
| Fig. 10         | QLP-1168-01<br>QLP-1170-01<br>QLP-1162-01<br>QLP-1164-01<br>QLP-1154-01<br>QLP-1156-01<br>QLP-1150-01<br>QLP-1152-01<br>QLP-1158-01<br>QLP-1160-01 | ED102GKB<br>ED102GKW<br>ED108GKB<br>ED108GKW<br>ED102RKB<br>ED102RKB<br>ED108RKB<br>ED108RKB<br>ED109RKB<br>ED108RKB | Green<br>Green<br>Green<br>Green<br>Red<br>Red<br>Red<br>Red<br>Red<br>Red | 0.45<br>0.45<br>2.5<br>2.5<br>0.5<br>0.5<br>0.7<br>0.7<br>0.6<br>0.6 | 15<br>15<br>15<br>15<br>10<br>10<br>10<br>10<br>10<br>10 | GaP/560<br>GaP/560<br>GaP/560<br>GaP/560<br>GaP/700<br>GaP/700<br>GaP/700<br>GaP/700<br>GaP/700<br>GaP/700 | Green Diffused<br>Green Diffused<br>Green Clear<br>Green Clear<br>Red Diffused<br>Red Diffused<br>Transparent Clear<br>Transparent Clear<br>Milk White Diffused<br>Milk White Diffused | Part of device    |
| Fig. 11         | QLP-1138-01<br>QLP-1136-01<br>QLP-1132-01<br>QLP-1130-01<br>QLP-1134-01                                                                            | ED102G<br>ED108G<br>ED102R<br>ED108R<br>ED109R                                                                       | Green<br>Green<br>Red<br>Red<br>Red                                        | 0.45<br>2.5<br>0.5<br>0.7<br>0.6                                     | 15<br>15<br>10<br>10<br>10                               | GaP/560<br>GaP/560<br>GaP/700<br>GaP/700<br>GaP/700                                                        | Green Diffused<br>Green Clear<br>Red Diffused<br>Transparent Clear<br>Milk White Diffused                                                                                              | none              |
| Fig. 12         | QLP-1116-01<br>QLP-1118-01<br>QLP-1110-01<br>QLP-1112-01                                                                                           | ED121G<br>ED122G<br>ED121R<br>ED122R                                                                                 | Green<br>Green<br>Red<br>Red                                               | 3.0<br>2.0<br>0.7<br>0.6                                             | 20<br>20<br>10<br>10                                     | GaP/560<br>GaP/560<br>GaP/700<br>GaP/700                                                                   | Transparent Clear<br>Green Clear<br>Transparent Clear<br>Red Clear                                                                                                                     | none              |
| Fig. 13         | QLP-1182-01<br>QLP-1180-01                                                                                                                         | ED202G<br>ED202R                                                                                                     | Green<br>Red                                                               | 0.1<br>0.5                                                           | 15<br>10                                                 | GaP/560<br>GaP/700                                                                                         | Transparent Clear<br>Transparent Clear                                                                                                                                                 | none              |
| Fig. 14         | QLP-1266-01<br>QLP-1267-01                                                                                                                         | QLB-1266<br>QLB-1267                                                                                                 | Red<br>Green                                                               | 3.0<br>3.0                                                           | 35 Max<br>35 Max                                         | GaP/697<br>GaP/565                                                                                         | Red Clear<br>Green Clear                                                                                                                                                               | part of device    |
| Fig. 15         | QLP-1176-01                                                                                                                                        | ED101RG                                                                                                              | Red/Green                                                                  | 0.6                                                                  | 20                                                       | GaP/700, GaP/560                                                                                           | Milk White Diffused                                                                                                                                                                    | none              |
| Fig. 9          |                                                                                                                                                    |                                                                                                                      |                                                                            |                                                                      |                                                          |                                                                                                            |                                                                                                                                                                                        |                   |
| Fig. 10         |                                                                                                                                                    |                                                                                                                      |                                                                            |                                                                      |                                                          |                                                                                                            |                                                                                                                                                                                        |                   |
| Fig. 11         |                                                                                                                                                    |                                                                                                                      |                                                                            |                                                                      |                                                          |                                                                                                            |                                                                                                                                                                                        |                   |
| Fig. 12         |                                                                                                                                                    |                                                                                                                      |                                                                            |                                                                      |                                                          |                                                                                                            |                                                                                                                                                                                        |                   |
| Fig. 13         |                                                                                                                                                    |                                                                                                                      |                                                                            |                                                                      |                                                          |                                                                                                            |                                                                                                                                                                                        |                   |
| Fig. 14         |                                                                                                                                                    |                                                                                                                      |                                                                            |                                                                      |                                                          |                                                                                                            |                                                                                                                                                                                        |                   |
| Fig. 15         |                                                                                                                                                    |                                                                                                                      |                                                                            |                                                                      |                                                          |                                                                                                            |                                                                                                                                                                                        |                   |

Note: PIN 1 is the anode, PIN 2 is the cathode. Dimensions: mm (inches)

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Sizes subject to change without notice.