



# Select TX<sup>®</sup> Gen 3

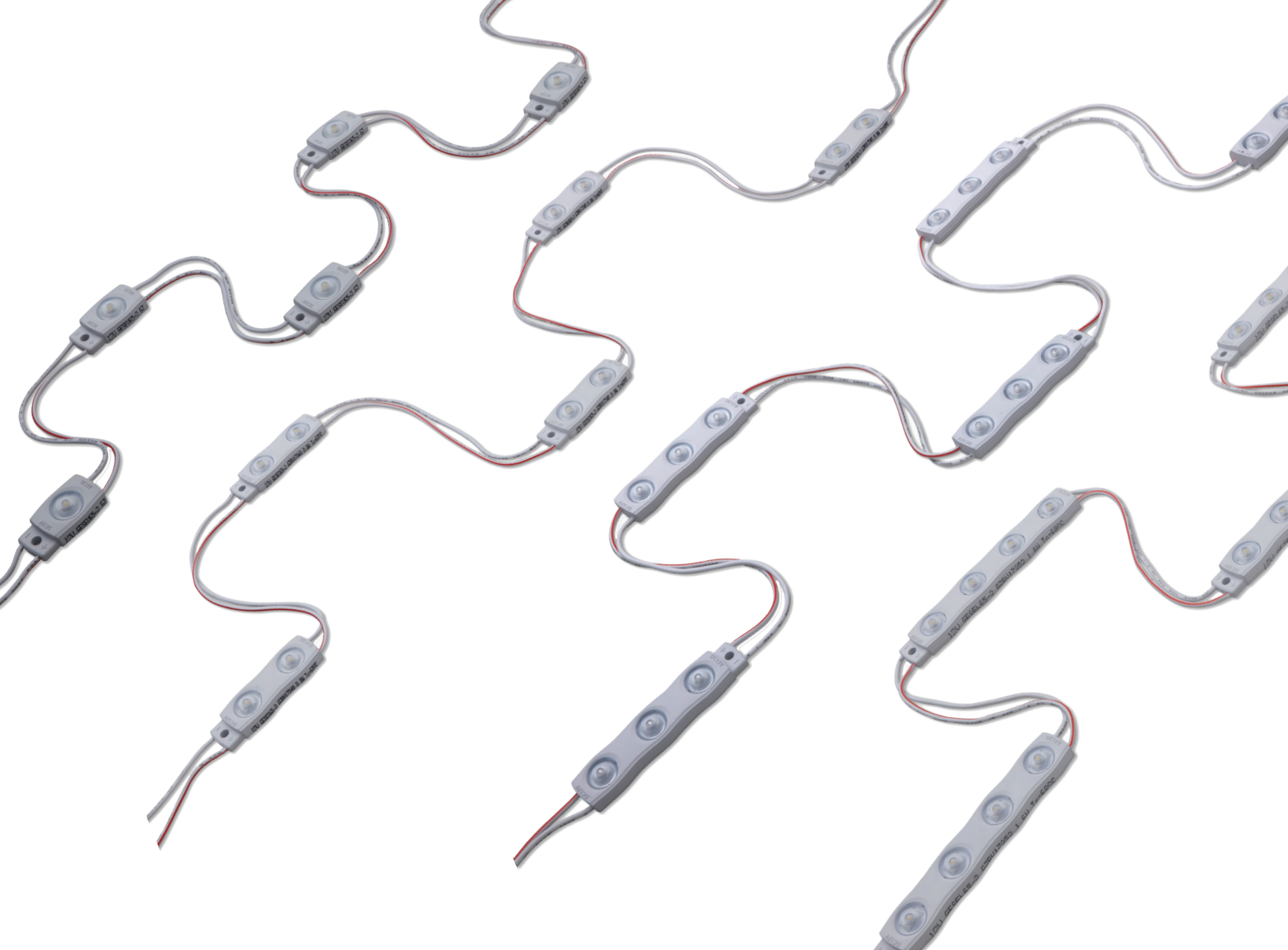
CHANNEL LETTER LIGHTING SYSTEMS



Tetra<sup>®</sup>

Trusted technology with  
exceptional value

The third generation of the **Select TX<sup>®</sup>** family offers a solution for your everyday channel letter needs, with loading increased by 25% compared to the second generation. **Select TX<sup>®</sup>** also features constant current technology, which ensures consistent module brightness, from the first module on the string to the last. Now available in four different sizes and three different colors.



# Layout guide

## GESEV65-3

| Letter size | Can Depth        | Coverage          |
|-------------|------------------|-------------------|
| Small       | 2-3" (51-76mm)   | 4-7" (102-178mm)  |
|             | 3-4" (76-102mm)  | 6-10" (152-254mm) |
| Medium      | 4-5" (102-127mm) | 9-13" (229-330mm) |

## GESEMXX-3

| Letter size | Can Depth        | Coverage           |
|-------------|------------------|--------------------|
| Medium      | 4-5" (102-127mm) | 9-13" (229-330mm)  |
|             | 5-6" (127-152mm) | 12-16" (305-406mm) |
| Large       | ≥6" (152mm)      | 15-19" (381-483mm) |

## GESE65-3

| Letter size | Can Depth        | Coverage           |
|-------------|------------------|--------------------|
| Small       | 3-4" (76-102mm)  | 6-10" (152-254mm)  |
|             | 4-5" (102-127mm) | 9-13" (229-330mm)  |
| Medium      | 5-6" (127-152mm) | 12-16" (305-406mm) |

## GESEL65-3

| Letter size | Can Depth        | Coverage           |
|-------------|------------------|--------------------|
| Medium      | 4-5" (102-127mm) | 9-13" (229-330mm)  |
|             | 5-6" (127-152mm) | 12-16" (305-406mm) |
| Large       | ≥6" (152mm)      | 15-22" (381-559mm) |

## Total Reliability

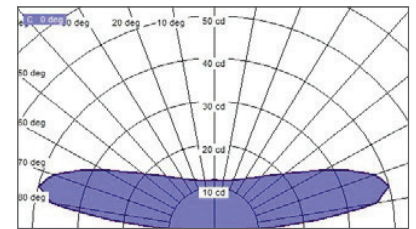
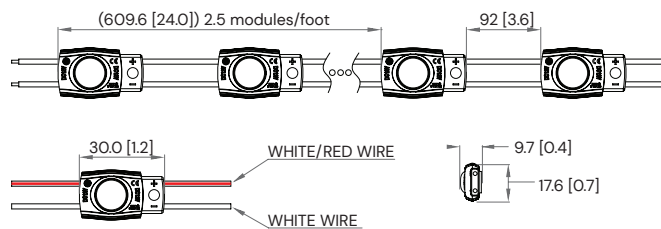
To ensure every **Select TX® Gen 3** installation will operate brilliantly for years, we perform the most extensive, stringent testing in the industry. We test the LED, water and dust ingress protection, sub-system and complete system at our in-house and independent laboratories around the world. Validation of our designs, components, products and processes include high temperature, high humidity and accelerated life testing.



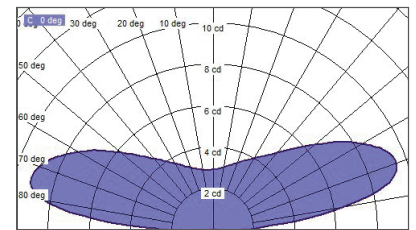
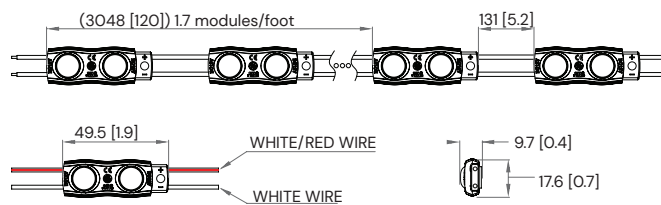
## Mechanical Outline & Viewing Angle

Dimensions in (inches). Metric equivalent mm

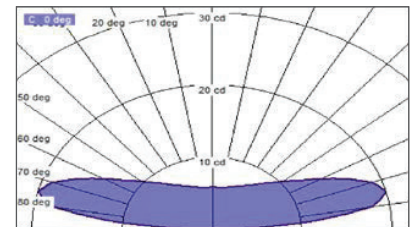
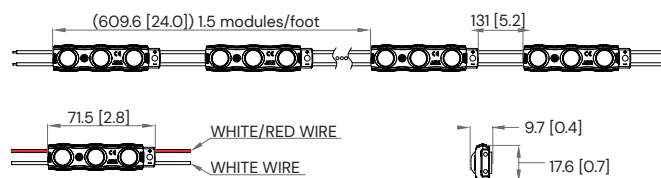
### GESEV65-3



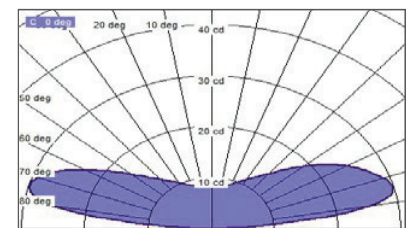
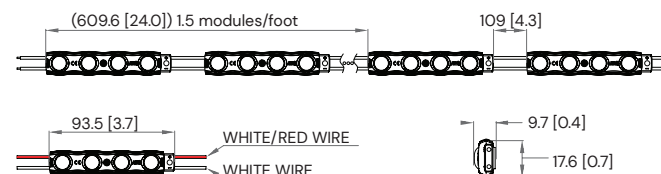
### GESES65-3



### GESEMXX-3



### GESEL65-3





Technical Specifications – Whites

| SKU                                         | 93120540                                           | 93120541                                           | 93120542                                           | 93120543                                           |
|---------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|
| Description                                 | GESEV65-3                                          | GESES65-3                                          | GESEM65-3                                          | GESEL65-3                                          |
|                                             | Very Small                                         | Small                                              | Medium                                             | Large                                              |
| Color Temperature (Wavelength)              | 6500K                                              | 6500K                                              | 6500K                                              | 6500K                                              |
| Typical Brightness (lm/module)              | 40                                                 | 80                                                 | 120                                                | 160                                                |
| Typical Brightness lm/ft. (lm/m.)           | 100 (328.1)                                        | 136 (446.2)                                        | 180 (590.6)                                        | 240 (787.4)                                        |
| LEDs/Module                                 | 1                                                  | 2                                                  | 3                                                  | 4                                                  |
| Modules/Foot                                | 2.5                                                | 1.7                                                | 1.5                                                | 1.5                                                |
| Power Supply Loading – 60W                  | 60 ft (18.3 m)<br>(150 modules)                    | 44.7 ft (13.6 m)<br>(76 modules)                   | 33.4 ft (10.2 m)<br>(50 modules)                   | 25.3 ft (7.7 m)<br>(38 modules)                    |
| Viewing Angle                               | 165°                                               | 165°                                               | 165°                                               | 165°                                               |
| Energy Consumption (Module Wattage)         | 0.40w/module                                       | 0.80w/module                                       | 1.20w/module                                       | 1.60w/module                                       |
| Energy Consumption (System Wattage)         | 0.47w/module                                       | 0.94w/module                                       | 1.41w/module                                       | 1.88w/module                                       |
| Efficacy (Lumens/Watt)                      | 100                                                | 100                                                | 100                                                | 100                                                |
| Dimensions (h x l x w) inches- module       | 1.04 x 0.69 x 0.34                                 | 1.91 x 0.69 x 0.34                                 | 2.78 x 0.69 x 0.34                                 | 3.65 x 0.69 x 0.34                                 |
| Dimensions (h x l x w) mm- module           | 26.6 X 17.6 X 8.7                                  | 48.6 X 17.6 X 8.7                                  | 70.6 X 17.6 X 8.7                                  | 92.6 X 17.6 X 8.7                                  |
| Quantity per package (ft./box) (Strips/box) | 600 ft (182.88 m)<br>(10 strips/box, 2 strips/bag) | 600 ft (182.88 m)<br>(12 strips/box, 2 strips/bag) | 600 ft (182.88 m)<br>(12 strips/box, 2 strips/bag) | 600 ft (182.88 m)<br>(12 strips/box, 2 strips/bag) |
| Modules/Strip                               | 150                                                | 85                                                 | 75                                                 | 75                                                 |

Technical Specifications – Colors

| SKU                                         | 93083210                                       | 93083212                                       | 93083211                                      |
|---------------------------------------------|------------------------------------------------|------------------------------------------------|-----------------------------------------------|
| Description                                 | GESEMRD-2                                      | GESEMBL-2                                      | GESEMGL-2                                     |
|                                             | Medium Red                                     | Medium Blue                                    | Medium Green                                  |
| Color Temperature (Wavelength)              | 625nm                                          | 460nm                                          | 520nm                                         |
| Typical Brightness (lm/module)              | 15.6                                           | 12.0                                           | 41.0                                          |
| Typical Brightness lm/ft. (lm/m.)           | 23.4 (77.1)                                    | 18.0 (59.1)                                    | 61.5 (203.4)                                  |
| LEDs/Module                                 | 3                                              | 3                                              | 3                                             |
| Modules/Foot                                | 1.5                                            | 1.5                                            | 1.5                                           |
| Power Supply Loading – 60W                  | 67 ft (20 m)<br>(100 modules)                  | 40 ft (12 m)<br>(60 modules)                   | 53 ft (16 m)<br>(80 modules)                  |
| Viewing Angle                               | 165°                                           | 165°                                           | 165°                                          |
| Energy Consumption (Module Wattage)         | 0.52w/module                                   | 0.87w/module                                   | 0.67w/module                                  |
| Energy Consumption (System Wattage)         | 0.61w/module                                   | 0.92w/module                                   | 0.80w/module                                  |
| Efficacy (Lumens/Watt)                      | 30                                             | 14                                             | 61                                            |
| Dimensions (h x l x w) inches- module       | 2.78 x 0.69 x 0.34                             | 2.78 x 0.69 x 0.34                             | 2.78 x 0.69 x 0.34                            |
| Dimensions (h x l x w) mm- module           | 70.6 X 17.6 X 8.7                              | 70.6 X 17.6 X 8.7                              | 70.6 X 17.6 X 8.7                             |
| Quantity per package (ft./box) (Strips/box) | 600 ft (182.88 m)<br>(12 strips, 1 strips/bag) | 600 ft (182.88 m)<br>(12 strips, 1 strips/bag) | 600 ft (182.88 m)<br>(12 strips, 1 strip/bag) |
| Modules/Strip                               | 75                                             | 75                                             | 75                                            |

Additional Specifications

|                            |                                                                                                                                                                 |                                |                                |                                |                                |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| Dimmable                   | Yes (with dimmable power supply)                                                                                                                                |                                |                                |                                |                                |
| Cutting Resolution         | Cut on wire between every module                                                                                                                                |                                |                                |                                |                                |
| Power Supply voltage       | 12VDC                                                                                                                                                           |                                |                                |                                |                                |
| Power Supply Part Numbers  | GEPS12SE-60U-NA (93090288) Input: 120-277VAC; Output: 12VDC<br>GEPS12-60U-GL Input: 108-305VAC; Output: 12VDC<br>GEPS12-60U-NA Input: 120-277VAC; Output: 12VDC |                                |                                |                                |                                |
| Maximum Supply Wire Limits |                                                                                                                                                                 | 18 AWG/0.82 mm²<br>Supply Wire | 16 AWG/1.31 mm²<br>Supply Wire | 14 AWG/2.08 mm²<br>Supply Wire | 12 AWG/3.31 mm²<br>Supply Wire |
|                            | 60W Power Supply                                                                                                                                                | 20 ft./6.1 m                   | 25 ft./7.6 m                   | 35 ft./10.6 m                  | 40 ft./12.1 m                  |
| Operating Environment      | -40 °C to +60 °C (-40 °F to +140 °F)                                                                                                                            |                                |                                |                                |                                |
| Warranty                   | Limited system warranty of up to five (5) years                                                                                                                 |                                |                                |                                |                                |
| System Certifications      | UL Recognized #E219167, UL Classified #E229508, CSA Approved #216319, RCM, Class III, China Rohs II IP66. Suitable for dry and damp locations.                  |                                |                                |                                |                                |