



## PRODUCT DESCRIPTION

The Immersion Elite series LED system is an energy-efficient & low maintenance alternative to traditional linear fluorescent lamps for refrigerated display cases. Compact and slim in design, Immersion Elite features three tiers of products; offering more flexibility than other LED systems for refrigerated display cases.

## APPLICATION

- Designed for medium temperature and freezer door applications.
- Ideal for grocery & convenience stores along with Supercenters.

## PRODUCT DETAILS

### Immersion™ Elite Eco

The most efficient and lowest wattage while offering superior light quality.

### Immersion™ Elite Standard

The best combination that strikes a balance between efficiency and light output.

## LUMEN MAINTENANCE

- LM-79, LM-80 tests and reports are performed in accordance to IESNA standards.
- Projected L70 ≥ 50,000 life hours per IES TM-21.

## ELECTRICAL SYSTEM

Input Voltages = 24VDC

## WARRANTY

5-year limited system warranty

## CERTIFICATIONS/MARKINGS

UL Recognized, UL Classified Retrofit, CSA (NSF 2 - Packaged Foods), UL Damp Rated, IP65

## QUICK SPEC COMPARISON

| 60" 5000K Product Info | Elite Eco | Elite Standard |
|------------------------|-----------|----------------|
| Center Bar Lumens      | 1216      | 1710           |
| Lumens Per Watt        | 145       | 137            |
| Watts Per Door*        | 10        | 16             |
| CRI                    | 80        | 85             |

\* Watts per door calculation is representative of a 5 door refrigeration case using AC Watts

## Product Model Logic

| ELV3           | Product      | Glare Shield     | Length in Inches                      | Color Temp | Type              | Packaging          |
|----------------|--------------|------------------|---------------------------------------|------------|-------------------|--------------------|
| EL = Elite     | E = Eco      | G = Glare Shield | 30 = 30"                              | 35 = 3500K | C = Center        | S = Single         |
| V = Vertical   | S = Standard | C = Compact      | 48 = 48"                              | 40 = 4000K | R = Right End Bar | B = Bulk (10 pack) |
| 3 = Generation |              |                  | 60 = 60"                              | 50 = 5000K | L = Left End Bar  |                    |
|                |              |                  | 67 = 67"                              |            |                   |                    |
|                |              |                  | 73 = 73"<br>(Only available with Eco) |            |                   |                    |

Product Model Example: ELV3EG4850RS

# Immersion™ Elite

## Refrigerated Display Cases

Project Name \_\_\_\_\_

Date \_\_\_\_\_ Type \_\_\_\_\_

Notes \_\_\_\_\_

## Immersion™ Elite Eco

Performance characteristics are valid for both the G and C (Glare Shield and Compact) options, as well as B and S (Bulk and Single) options.

Please refer to the Product Description Logic in page 1 to enter the full part number required for your order

|        |       |                                                                          | Product Model  | Item Description                | Power (DC Watts)* | Light Output (Lumens) | Lumens Per Watt |
|--------|-------|--------------------------------------------------------------------------|----------------|---------------------------------|-------------------|-----------------------|-----------------|
| 80 CRI | 3500K | Center Bars                                                              | ELV3E_3035C_   | 30" (735mm) Center              | 4.2               | 626                   | 149             |
|        |       |                                                                          | ELV3E_4835C_   | 48" (1219mm) Center             | 7.0               | 1042                  | 149             |
|        |       |                                                                          | ELV3E_6035C_   | 60" (1524mm) Center             | 8.4               | 1251                  | 149             |
|        |       |                                                                          | ELV3E_6735C_   | 67" (1708mm) Center             | 8.4               | 1251                  | 149             |
|        |       |                                                                          | ELV3E_7335C_   | 73" (1864mm) Center             | 9.7               | 1459                  | 150             |
|        |       | Right or Left End<br>Choose between R or L (R/L) for the desired end bar | ELV3E_3035R/L_ | 30" (735mm) Right and Left End  | 2.8               | 357                   | 127             |
|        |       |                                                                          | ELV3E_4835R/L_ | 48" (1219mm) Right and Left End | 5.6               | 713                   | 127             |
|        |       |                                                                          | ELV3E_6035R/L_ | 60" (1524mm) Right and Left End | 5.6               | 713                   | 127             |
|        |       |                                                                          | ELV3E_6735R/L_ | 67" (1708mm) Right and Left End | 7.0               | 891                   | 127             |
|        |       |                                                                          | ELV3E_7335R/L_ | 73" (1864mm) Right and Left End | 8.4               | 1070                  | 127             |
|        | 4000K | Center Bars                                                              | ELV3E_3040C_   | 30" (735mm) Center              | 4.2               | 636                   | 151             |
|        |       |                                                                          | ELV3E_4840C_   | 48" (1219mm) Center             | 7.0               | 1060                  | 151             |
|        |       |                                                                          | ELV3E_6040C_   | 60" (1524mm) Center             | 8.4               | 1272                  | 151             |
|        |       |                                                                          | ELV3E_6740C_   | 67" (1708mm) Center             | 8.4               | 1272                  | 151             |
|        |       |                                                                          | ELV3E_7340C_   | 73" (1864mm) Center             | 9.7               | 1484                  | 153             |
|        |       | Right or Left End<br>Choose between R or L (R/L) for the desired end bar | ELV3E_3040R/L_ | 30" (735mm) Right and Left End  | 2.8               | 363                   | 129             |
|        |       |                                                                          | ELV3E_4840R/L_ | 48" (1219mm) Right and Left End | 5.6               | 725                   | 129             |
|        |       |                                                                          | ELV3E_6040R/L_ | 60" (1524mm) Right and Left End | 5.6               | 725                   | 129             |
|        |       |                                                                          | ELV3E_6740R/L_ | 67" (1708mm) Right and Left End | 7.0               | 907                   | 130             |
|        |       |                                                                          | ELV3E_7340R/L_ | 73" (1864mm) Right and Left End | 8.4               | 1088                  | 129             |
|        | 5000K | Center Bars                                                              | ELV3E_3050C_   | 30" (735mm) Center              | 4.2               | 637                   | 152             |
|        |       |                                                                          | ELV3E_4850C_   | 48" (1219mm) Center             | 7.0               | 1061                  | 152             |
|        |       |                                                                          | ELV3E_6040C_   | 60" (1524mm) Center             | 8.4               | 1273                  | 152             |
|        |       |                                                                          | ELV3E_6750C_   | 67" (1708mm) Center             | 8.4               | 1273                  | 152             |
|        |       |                                                                          | ELV3E_7350C_   | 73" (1864mm) Center             | 9.7               | 1485                  | 153             |
|        |       | Right or Left End<br>Choose between R or L (R/L) for the desired end bar | ELV3E_3050R/L_ | 30" (735mm) Right and Left End  | 2.8               | 363                   | 129             |
|        |       |                                                                          | ELV3E_4850R/L_ | 48" (1219mm) Right and Left End | 5.6               | 726                   | 130             |
|        |       |                                                                          | ELV3E_6050R/L_ | 60" (1524mm) Right and Left End | 5.6               | 726                   | 130             |
|        |       |                                                                          | ELV3E_6750R/L_ | 67" (1708mm) Right and Left End | 7.0               | 907                   | 130             |
|        |       |                                                                          | ELV3E_7350R/L_ | 73" (1864mm) Right and Left End | 8.4               | 1088                  | 130             |

Typical DC Watts. To convert to AC Watts, divide by LED driver efficiency.

# Immersion™ Elite

## Refrigerated Display Cases

Project Name \_\_\_\_\_

Date \_\_\_\_\_ Type \_\_\_\_\_

Notes \_\_\_\_\_

## Immersion™ Elite Standard

Performance characteristics are valid for both the G and C (Glare Shield and Compact) options, as well as B and S (Bulk and Single) options.

Please refer to the Product Description Logic in page 1 to enter the full part number required for your order

|        |       |                                                                          | Product Model  | Item Description                | Power (DC Watts)* | Light Output (Lumens) | Lumens Per Watt |
|--------|-------|--------------------------------------------------------------------------|----------------|---------------------------------|-------------------|-----------------------|-----------------|
| 85 CRI | 3500K | Center Bars                                                              | ELV3S_3035C_   | 30" (735mm) Center              | 5.6               | 768                   | 137             |
|        |       |                                                                          | ELV2S_4835C_   | 48 " (1219mm) Center            | 9.7               | 1344                  | 139             |
|        |       |                                                                          | ELV3S_6035C_   | 60" (1524mm) Center             | 12.5              | 1728                  | 138             |
|        |       |                                                                          | ELV3S_6735C_   | 67" (1708mm) Center             | 13.9              | 1919                  | 138             |
|        |       | Right or Left End<br>Choose between R or L (R/L) for the desired end bar | ELV3S_3035R/L_ | 30" (735mm) Right and Left End  | 4.2               | 493                   | 117             |
|        |       |                                                                          | ELV3S_4835R/L_ | 48" (1219mm) Right and Left End | 7.0               | 821                   | 117             |
|        |       |                                                                          | ELV3S_6035R/L_ | 60" (1524mm) Right and Left End | 9.7               | 1149                  | 118             |
|        |       |                                                                          | ELV3S_6735R/L_ | 67" (1708mm) Right and Left End | 9.7               | 1149                  | 118             |
|        | 4000K | Center Bars                                                              | ELV3S_3040C_   | 30" (735mm) Center              | 5.6               | 777                   | 139             |
|        |       |                                                                          | ELV3S_4840C_   | 48" (1219mm) Center             | 9.7               | 1359                  | 140             |
|        |       |                                                                          | ELV3S_6040C_   | 60" (1524mm) Center             | 12.5              | 1747                  | 140             |
|        |       |                                                                          | ELV3S_6740C_   | 67" (1708mm) Center             | 13.9              | 1941                  | 140             |
|        |       | Right or Left End<br>Choose between R or L (R/L) for the desired end bar | ELV3S_3040R/L_ | 30" (735mm) Right and Left End  | 4.2               | 498                   | 119             |
|        |       |                                                                          | ELV3S_4840R/L_ | 48" (1219mm) Right and Left End | 7.0               | 830                   | 119             |
|        |       |                                                                          | ELV3S_6040R/L_ | 60" (1524mm) Right and Left End | 9.7               | 1162                  | 120             |
|        |       |                                                                          | ELV3S_6740R/L_ | 67" (1708mm) Right and Left End | 9.7               | 1162                  | 120             |
|        | 5000K | Center Bars                                                              | ELV3S_3050C_   | 30" (735mm) Center              | 5.6               | 792                   | 141             |
|        |       |                                                                          | ELV3S_4850C_   | 48 " (1219mm) Center            | 9.7               | 1386                  | 143             |
|        |       |                                                                          | ELV3S_6050C_   | 60" (1524mm) Center             | 12.5              | 1782                  | 143             |
|        |       |                                                                          | ELV3S_6750C_   | 67" (1708mm) Center             | 13.9              | 1979                  | 142             |
|        |       | Right or Left End<br>Choose between R or L (R/L) for the desired end bar | ELV3S_3050R/L_ | 30" (735mm) Right and Left End  | 4.2               | 508                   | 121             |
|        |       |                                                                          | ELV3S_4850R/L_ | 48" (1219mm) Right and Left End | 7.0               | 846                   | 121             |
|        |       |                                                                          | ELV3S_6050R/L_ | 60" (1524mm) Right and Left End | 9.7               | 1185                  | 122             |
|        |       |                                                                          | ELV3S_6750R/L_ | 67" (1708mm) Right and Left End | 9.7               | 1185                  | 122             |

Typical DC Watts. To convert to AC Watts, divide by LED driver efficiency.

# Immersion™ Elite

## Refrigerated Display Cases

Project Name \_\_\_\_\_

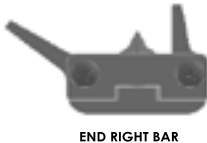
Date \_\_\_\_\_ Type \_\_\_\_\_

Notes \_\_\_\_\_

### Immersion™ Elite



Glare Shield



Compact



### Product Information

| Length in Inches (mm) | L1: Slot to Slot Length in Inches (mm) | L2: Total Bar Length in inches (mm) |
|-----------------------|----------------------------------------|-------------------------------------|
| 30"                   | 27.2 (691.4)                           | 27.5 (699.4)                        |
| 48"                   | 46.4 (1179.6)                          | 46.8 (1187.5)                       |
| 60"                   | 58.3 (1480.3)                          | 58.6 (1488.3)                       |
| 67"                   | 65.4 (1660.7)                          | 65.7 (1668.7)                       |
| 73" (Eco Bars only)   | 73.1 (1855.8)                          | 73.4 (1863.8)                       |

|                        | Width in Inches (mm) | Height in Inches (mm) |
|------------------------|----------------------|-----------------------|
| Compact Center Bar     | 1 (25.2)             | 0.71 (17.93)          |
| Compact End Bar        | 1 (25.2)             | 0.82 (20.94)          |
| Glareshield Center Bar | 1.8 (46.32)          | 0.71 (17.93)          |
| Glareshield End Bar    | 1.6 (41.48)          | 0.93 (23.53)          |

# Immersion™ Elite

## Refrigerated Display Cases

Project Name \_\_\_\_\_

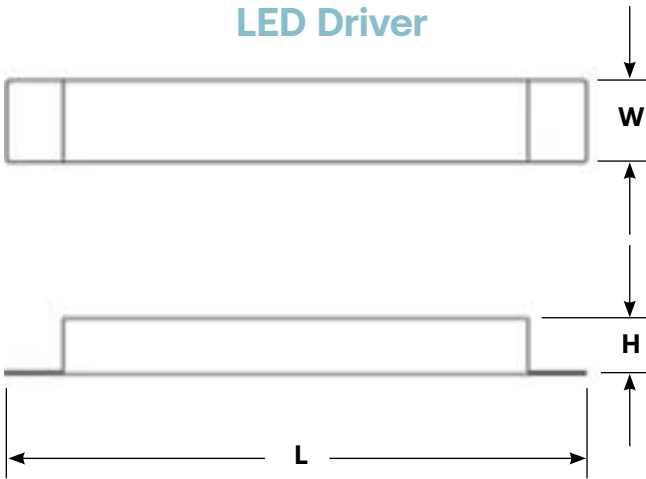
Date \_\_\_\_\_ Type \_\_\_\_\_

Notes \_\_\_\_\_

### LED Driver Performance Data

|                           | GEPS6100NCCON-SY;<br>24V-100W<br>Product Code: 13798 | GELP24-100U-GLX;<br>24V-100W<br>Product Code: 93077673G | GEPS24D-100U-NA;<br>24V-100W<br>Product Code: 93159243 | GEPS24D-60U-GLX;<br>24V-60W<br>Product Code: 93159242 |
|---------------------------|------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------|-------------------------------------------------------|
| Dimming                   | Yes (Step - Contact Input)                           | No                                                      | Yes (0-10V)                                            | Yes (0-10V)                                           |
| Output Power (Watts)      | 96                                                   | 96                                                      | 96                                                     | 60                                                    |
| Input Voltage (VAC)       | 120-240V                                             | 120-277V                                                | 120-277V                                               | 120-277V                                              |
| Input Line Frequency (Hz) | 50/60                                                | 50/60                                                   | 50/60                                                  | 50/60                                                 |
| Length                    | 10.7 inch (273mm)                                    | 9.5 inch (241mm)                                        | 9.5 inch (241mm)                                       | 5.8 inch (148.2mm)                                    |
| Width                     | 1.7 inch (43mm)                                      | 1.7 inch (43mm)                                         | 1.7 inch (43mm)                                        | 1.8 inch (45.6mm)                                     |
| Height                    | 1.1 inch (28mm)                                      | 1.0 inch (25.4mm)                                       | 1.0 inch (25.4mm)                                      | 1.0 inch (25.4mm)                                     |

Refer to Power Supply Guide on website for detailed information on Immersion Power Supplies



### Immersion™ Elite Accessory

| Product Code | Product Description | Item Description              |
|--------------|---------------------|-------------------------------|
| 93034656     | GE-CV-ELITE         | Elite Wire Cover (10 per box) |

