Creating a continuous uninterrupted line of beautiful, glare-free LED light, the ELEMENT Merge 3.0 recessed linear system inconspicuously puts light where it is needed without drawing attention to the fixture. The continuous line aesthetic created by the ELEMENT Merge 3.0 system is enhanced using either a specifically engineered 90° turn connector or wall-to-ceiling connector. Lines of LED light can be designed to seamlessly make 90° same-plane turns or transition from ceiling to wall for enhanced design interest while also allowing the option to add spot heads for accent and task lighting, all without adding more light fixtures to the space.

**Key Features:**
- Optional illuminated 90° horizontal (same plane) transitions (not available in Lay-in)
- Low profile design for use in 2x6 construction
- Dual sided illumination for even light along the channel
- 3-Step or better color binning
- Internal reflector finished with high reflectance matte white paint for even light distribution & optimal efficiency

### SPECIFICATIONS

<table>
<thead>
<tr>
<th></th>
<th>HIGH OUTPUT</th>
<th>STANDARD OUTPUT</th>
</tr>
</thead>
<tbody>
<tr>
<td>DELIVERED LUMENS</td>
<td>2000 lms/ft</td>
<td>1400 lms/ft</td>
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<tr>
<td>WATTAGE</td>
<td>28 watts/ft</td>
<td>18 watts/ft</td>
</tr>
<tr>
<td>EFFICACY</td>
<td>71 l/w (80CRI, 3500K)</td>
<td>78 l/w (80CRI, 3500K)</td>
</tr>
<tr>
<td>CRI</td>
<td>80+, 90+</td>
<td></td>
</tr>
<tr>
<td>CCT OPTIONS</td>
<td>2700K, 3000K, 3500K, or Programmable White (2700K-4000K)</td>
<td></td>
</tr>
<tr>
<td>COLOR CONSISTENCY</td>
<td>3-Step</td>
<td></td>
</tr>
</tbody>
</table>
| VOLTAGE        | ELV (Below 1% Standard) 0-10V (Down to 5%)
|                | Lutron Hi-Lume Ecosystem Fade-To-Black or PWM (Down to 1%)
|                | eileLED 0-10V (Down to 0.1%) |
| DIMMING        | Illuminated 90° horizontal turns (same plane) transitions (not available in Lay-in) |
| CEILING APPEARANCE | Flanged or Flangeless |
| CEILING APERTURE | 3° beveled aperture |
| HOUSING        | IC Airtight available in 4’, 6’ and 8’. IC suitable up to R60 spray foam insulation (Consult factory for Chicago Plenum). EM units available Non-IC only. |
| POWER SUPPLY** | Constant Current (Each linear channel includes a self-contained ELV, 0-10V, Lutron Hi-Lume 2 Wire PWM (120V only) or Lutron Hi-Lume, Eco System Fade-to-Black Driver, 0-10V 1%, 0-10V 0.1% |
| CONSTRUCTION   | Housing: 20 gauge sheet metal Extrusion: Aluminum |
| HARDWARE       | Steel |
| FINISH         | White Powder Coat |
| GENERAL LISTING| ETL |
| CALIFORNIA TITLE 24 | Registered CEC Appliance Database. Can be used to comply with CEC 2016 Title 24 Part 6 (Static White, 90 CRI versions). |
| LED LIFETIME   | L70; 50,000 hours |
| WARRANTY*      | 5 years |

*Visit ELEMENT-lighting.com for specific warranty limitations and details.
**Consult Quotes Department for additional driver options.

**Optional**
- EM: integrated emergency battery back-up to provide illumination when main power is lost. EM battery is integrated in the Merge linear channel housing and provides 90 minutes of egress illumination. Each EM fixture ships with a test switch/indicator light.
- 4’, 6’, & 8’ EM linear channel: 1018 total lumens (illuminates 4’ section of the 8’ channel)
MERGE™ 3.0
90° L CONNECTOR

HOUSING

FLANGED

Flanged 90° L connector (top view)

FLANGELESS

Flangeless 90° L connector (top view)

DIMENSIONS

Housing only 90° L connector (top view)

System

Type

Output

Ceiling Appearance

CRI / Color Temperature

Finish

Controls

Voltage

RLS3

L

“L” Connector

870 LUMENS/FT

RECEDED FLANGED

827 80 CRI, 2700K

W

ELV

0-10V Dimming

1 120 VOLT

RLS3

LPF

“L” Connector

1000 LUMENS/FT²

RECEDED FLANGELESS

830 80 CRI, 3000K

835 80 CRI, 3500K

927 90 CRI, 2700K

930 90 CRI, 3000K

935 90 CRI, 3500K

8240 80 CRI, PROGRAMMABLE WHITE*

ELD1

RECESSED FLANGELESS

82740 80 CRI, PROGRAMMABLE WHITE*

ELDO

ELDOLED 0.1% 0-10V LINEAR

ELD1A

ELDOLED 1% 0-10V LOGARITHMIC

ELDOLED 0.1% 0-10V

ELDOLED 1% 0-10V LOGARITHMIC

ELDOLED 0.1% 0-10V

ELDOLED 1% 0-10V LOGARITHMIC

HL2W

LUTRON HI-LUME 2 WIRE/PWM**

HLECO

LUTRON HI-LUME ECO-SYSTEM FADE-TO-BLACK

DMX

DMX CONTROL

**HL2W – TWO WIRE LOW-VOLTAGE ELECTRONIC DIMMING, 120V ONLY. **"CLOSED" CONFIGURATION REQUIRE CONNECTOR WITH POWER FEED. 1000 LUMENS/FT ONLY AVAILABLE IN STATIC WHITE & WITH STANDARD ELV AND 0-10V DRIVERS.

*0-10 VOLT DIMMING ONLY, NOT AVAILABLE WITH ELD0LED OPTIONS.

PROJECT INFO

FIXTURE TYPE & QUANTITY

JOB NAME & INFO

NOTES

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