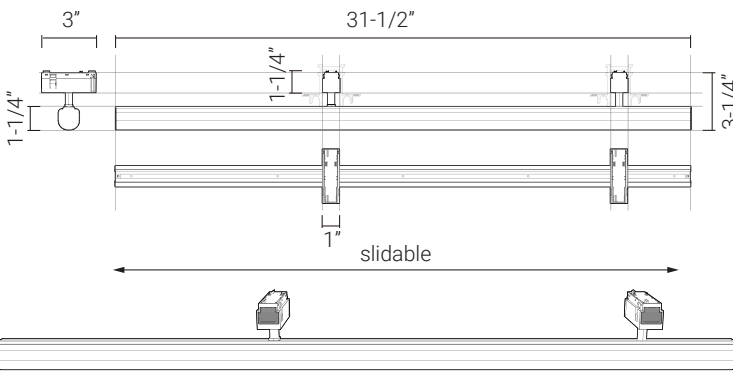
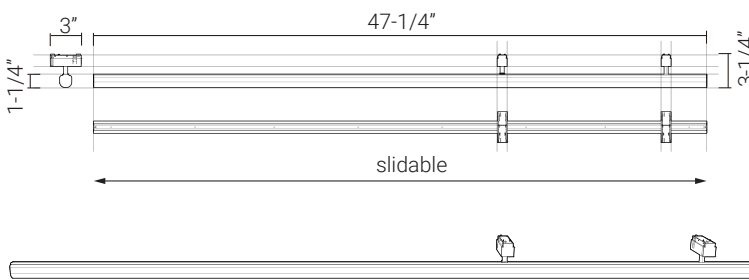


Rotate 100°

**FG-L5S-32**



**FG-L5S-48**



| SERIES    | DELIVERED LUMENS | WATTAGE |
|-----------|------------------|---------|
| FG-L5S-32 | 1400             | 24W     |
| FG-L5S-48 | 2000             | 32W     |

Based on 4000K, 90+ CRI. Actual wattage may vary +/- 5%

**GROOVE 'SURFACE LIGHT' SERIES**

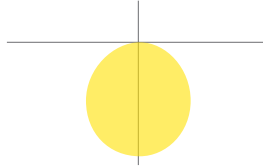
For a sleek and modern-looking space, the 'Linear Surface' luminaire is the ideal choice for dynamic design and general illumination.

This fixture must be mounted perpendicularly to 2 tracks. For the FG-L5S-32, the two tracks can be installed at a maximum distance of 28" apart and the FG-L5S-48 can have a maximum distance of 40" apart. The fixture can move up and down the length of the track while also moving at dynamic angles with a maximum rotation of 100°. Multiple fixtures can be installed perpendicular or parallel on the 2-track system and form creative designs on a ceiling or wall.

|                          |  |
|--------------------------|--|
| <b>SERIES</b>            | Groove - 'Surface Light' series                                      |
| <b>SIZE</b>              | 32", 48"   |
| <b>CCT</b>               | 2700K, 3000K, 3500K, 4000K, 5000K                                    |
| <b>CRI</b>               | 90+  |
| <b>COLOR QUALITY</b>     | 2 Step MacAdam Ellipse   |
| <b>FINISH</b>            | ● BK (Black)   |
| <b>DIMMING</b>           | On / Off, DIM10 - ( 0-10V Dimming), DALI.1 - DALI 2, BLE - Bluetooth |
| <b>LIFETIME</b>          | L70 at 60,000 Hours  |
| <b>PHOTOMETRIC TESTS</b> | In Accordance with IES LM79-08, LM80 and TM-30, TM-21                |



**VWFL: VERY WIDE FLOOD**  
Candlepower Distribution Curve



Reference IES files for additional distribution curve information.

**FEATURES OF GROOVE FAMILY**

The Groove 48V DC track system is available with multiple sleek, slender, and compact track heads that can be seamlessly mounted onto the track by simply clicking the track head's connector into place, allowing you to interchange one Groove-compatible luminaire for another. The Groove's intuitive click-in track makes it easy to install and switch luminaires, so the system can be updated to match any design or application, current or future.

The Groove track system is available in Trimless Recessed, Recessed Flanged, Ceiling/ Surface, and Suspended options, and can be integrated in most ceiling and wall applications. Utilize suspended and surface mounting options for surface such as wood, drywall or T-Bar ceilings.

The Groove offers a variety of connector accessories that enable users to tailor their designs with custom rectangular, square, or many other linear patterns. The T, X, L Corners and power connectors create dynamic designs that transcend flat surfaces including wall to ceiling, wrap corners, and more.

Drivers can be stowed within the system, hidden from view, or placed in a remote location. The single driver can power runs up to 65' long and 480 Watts. Please refer to driver spec sheets for more detailed information. Our team at Elite Lighting can help you organize the placement of drivers and complete systems.

Fixtures can be installed individually or combined with other Groove track system luminaires to create the perfect design. Multiple linear fixtures can be mounted next to each other on one track for continuous rays of illumination.

Available track head options are in-line linear, adjustable linear, spot, pendant, cylinder, and suspended. Many track heads are crafted with black interiors and TIR optics, providing precise beam control and reducing glare. Most track heads that are available with optics are field-changeable, with various lumen and distribution options. Additionally, some track heads can be overlaid with a single optical accessory, like the Linear Diffuser, Frosted Diffuser, and Honeycomb accessories. Some track heads can be used with spot-light, flood-light, snoot, and wall-wash accessories. (Please refer to the spec sheet on each individual track head for more detailed information.)

Subsequently, the system can be used for accent, task, and general illumination, making it ideal for a plethora of applications, such as galleries, museums, hospitality spaces, retail spaces, corporate offices, and residential spaces.

**CONSTRUCTION**

All track heads are engineered to have an extremely long lifespan and service period by using coolLED's Advanced Thermodynamic Design, which includes an extruded aluminum body, a hidden diecast heat sink, and a thermal management system.

**LED MODULE PERFORMANCE**

The Groove System's luminaires are equipped with 2-step McAdam Eclipse LEDs, which provide consistent color across all fixtures, and 90+CRI. The LEDs are available in a variety of kelvin temperature options.

**DRIVERS**

The Groove System is powered by constant voltage drivers with a rating of 50/60Hz at a 120/277V input and a 48V output. They produce less than 20% THD, have a 90% power factor, and are thermally protected for additional safety. Driver wattages range from 75W to 450W and can power up to 65 ft. of track. Groove drivers can be installed internally within the track or remotely mounted, and are available in 0-10V 1% Dimming, Dali Dimming, or 120V On/ Off Non-Dimming Driver. Please see Groove track system spec sheets for a complete list of drivers and capabilities.

**DIMMING INFORMATION**

DIM10 - 0-10V dimming on either MVOLT 120, 277. Dimmable down to 1% of initial lumens, standard. Available in 75W, 100W, 150W., 240W.  
DIMTR - Electronic low voltage dimming. Available in 120V.  
DALI - DALI DT6 dimming down to 1% Available in 75W, 100W, 150W, 240W.

EldoLED PowerDrive dimming down to 0.1%. Please see the EldoLED website for wiring diagrams and a full list of compatible DMX and DALI control systems.

**FINISH**

Luminaires are available in a powder-coated black or white post-paint finish. They may also be issued in custom RAL colors upon request. Consult the factory to find out which custom colors can be accommodated.

**WARRANTY**

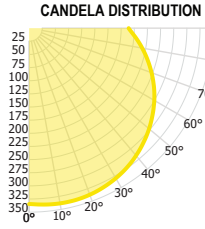
Five-year warranty for parts and components.

| EXAMPLE:         |  |                             |                                     |  |
|------------------|--|-----------------------------|-------------------------------------|--|
| SERIES           | CCT  | CRI                         | FINISH                              | OPTION   |
| FG-L5S-32<br>32" | <input type="checkbox"/> 27K<br><input type="checkbox"/> 30K<br><input type="checkbox"/> 35K<br><input type="checkbox"/> 40K<br><input type="checkbox"/> 50K | <input type="checkbox"/> 90 | <input type="checkbox"/> BK (Black) | <input type="checkbox"/> 48V<br><input type="checkbox"/> 48V-BLE (Bluetooth)<br>*Power supply must be ordered separately |
| FG-L5S-48<br>48" |  |                             |                                     |  |

**FG-L5S-32-40K-90**

TEST NO.: **220062**

INPUT WATTS: **23.6**      LUMENS: **1372**      EFFICACY: **58**      BEAM ANGLE: **NaN**      SPACING CRITERIA: **1.47**



|     | 0°  | 90° |
|-----|-----|-----|
| 0°  | 335 | 335 |
| 10° | 338 | 330 |
| 20° | 337 | 312 |
| 30° | 330 | 283 |
| 40° | 316 | 245 |
| 50° | 298 | 200 |
| 60° | 275 | 149 |
| 70° | 248 | 96  |
| 80° | 218 | 43  |
| 90° | 189 | 2   |

|        | 0.00°   | 90.00° |
|--------|---------|--------|
| 0.00°  | 225053  | 225053 |
| 45.00° | 292652  | 212553 |
| 55.00° | 336269  | 205432 |
| 65.00° | 416842  | 195177 |
| 75.00° | 606153  | 178987 |
| 85.00° | 1569325 | 146813 |

| ZONE      | LUMENS |
|-----------|--------|
| 0° - 10°  | 32     |
| 10° - 20° | 93     |
| 20° - 30° | 146    |
| 30° - 40° | 184    |
| 40° - 50° | 206    |
| 50° - 60° | 209    |
| 60° - 70° | 196    |
| 70° - 80° | 169    |
| 80° - 90° | 137    |

| ZONE     | UMENS | % LUMINAIRE |
|----------|-------|-------------|
| 0° - 20° | 125   | 9%          |
| 0° - 30° | 271   | 20%         |
| 0° - 40° | 455   | 33%         |
| 0° - 60° | 870   | 63%         |
| 0° - 80° | 1235  | 90%         |
| 0° - 90° | 1372  | 100%        |

**CONE OF LIGHT**

| MOUNTING HEIGHT | FC AT BEAM CENTER | BEAM DIA. 0°-180° | BEAM DIA. 90°-270° |
|-----------------|-------------------|-------------------|--------------------|
| 6.0 ft          | 9.3 fc            | 0.0 ft            | 17.6 ft            |
| 8.0 ft          | 5.2 fc            | 0.0 ft            | 23.5 ft            |
| 10.0 ft         | 3.3 fc            | 0.0 ft            | 29.4 ft            |
| 12.0 ft         | 2.3 fc            | 0.0 ft            | 35.3 ft            |
| 14.0 ft         | 1.7 fc            | 0.0 ft            | 41.2 ft            |
| 16.0 ft         | 1.3 fc            | 0.0 ft            | 47.1 ft            |
| 18.0 ft         | 1.0 fc            | 0.0 ft            | 52.9 ft            |
| 20.0 ft         | 0.8 fc            | 0.0 ft            | 58.8 ft            |

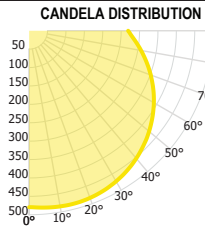
**INDOOR COEFFICIENTS OF UTILIZATION**

| pf | pc  | 20% |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 0%  |     |     |     |    |    |
|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|
|    |     | 80% |     |     |     | 70% |     |     |     | 50% |     |     |     | 30% |     |     |     |     | 10% |     |     |    |    |
|    |     | 70% | 50% | 30% | 10% | 70% | 50% | 30% | 10% | 70% | 50% | 30% | 10% | 70% | 50% | 30% | 10% | 70% | 50% | 30% | 10% | 0% |    |
| 0  | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 100 |     |     |     |    | 0% |
| 1  | 104 | 98  | 92  | 86  | 101 | 95  | 90  | 85  | 91  | 86  | 82  | 87  | 83  | 80  | 83  | 80  | 77  | 75  |     |     |     |    | 0% |
| 2  | 93  | 83  | 74  | 67  | 90  | 81  | 73  | 66  | 77  | 70  | 65  | 74  | 68  | 63  | 70  | 66  | 62  | 59  |     |     |     |    | 0% |
| 3  | 84  | 72  | 62  | 54  | 81  | 70  | 61  | 54  | 67  | 59  | 52  | 64  | 57  | 51  | 61  | 55  | 51  | 48  |     |     |     |    | 0% |
| 4  | 77  | 63  | 53  | 45  | 74  | 61  | 52  | 44  | 59  | 50  | 44  | 56  | 49  | 43  | 54  | 48  | 42  | 40  |     |     |     |    | 0% |
| 5  | 70  | 56  | 45  | 38  | 68  | 54  | 45  | 38  | 52  | 44  | 37  | 50  | 43  | 37  | 48  | 41  | 36  | 34  |     |     |     |    | 0% |
| 6  | 64  | 50  | 40  | 33  | 62  | 49  | 39  | 32  | 47  | 38  | 32  | 45  | 38  | 32  | 43  | 37  | 31  | 29  |     |     |     |    | 0% |
| 7  | 60  | 45  | 35  | 29  | 58  | 44  | 35  | 28  | 42  | 34  | 28  | 41  | 33  | 28  | 39  | 33  | 28  | 25  |     |     |     |    | 0% |
| 8  | 55  | 41  | 32  | 25  | 54  | 40  | 31  | 25  | 39  | 31  | 25  | 37  | 30  | 25  | 36  | 30  | 25  | 22  |     |     |     |    | 0% |
| 9  | 52  | 37  | 29  | 23  | 50  | 37  | 28  | 22  | 36  | 28  | 22  | 34  | 27  | 22  | 33  | 27  | 22  | 20  |     |     |     |    | 0% |
| 10 | 48  | 34  | 26  | 20  | 47  | 34  | 26  | 20  | 33  | 25  | 20  | 32  | 25  | 20  | 31  | 25  | 20  | 18  |     |     |     |    | 0% |

**FG-L5S-48-40K-90**

TEST NO.: **220062**

INPUT WATTS: **32.1**      LUMENS: **1984**      EFFICACY: **62**      BEAM ANGLE: **NaN**      SPACING CRITERIA: **1.47**



|     | 0°  | 90° |
|-----|-----|-----|
| 0°  | 479 | 479 |
| 10° | 485 | 473 |
| 20° | 483 | 448 |
| 30° | 473 | 408 |
| 40° | 453 | 354 |
| 50° | 426 | 289 |
| 60° | 391 | 215 |
| 70° | 352 | 137 |
| 80° | 309 | 61  |
| 90° | 269 | 4   |

|        | 0.00°   | 90.00° |
|--------|---------|--------|
| 0.00°  | 322520  | 322520 |
| 45.00° | 418542  | 306780 |
| 55.00° | 479807  | 296648 |
| 65.00° | 592184  | 281105 |
| 75.00° | 858648  | 254990 |
| 85.00° | 2219177 | 216051 |

| ZONE      | LUMENS |
|-----------|--------|
| 0° - 10°  | 46     |
| 10° - 20° | 133    |
| 20° - 30° | 209    |
| 30° - 40° | 266    |
| 40° - 50° | 297    |
| 50° - 60° | 303    |
| 60° - 70° | 284    |
| 70° - 80° | 246    |
| 80° - 90° | 200    |

| ZONE     | UMENS | % LUMINAIRE |
|----------|-------|-------------|
| 0° - 20° | 179   | 9%          |
| 0° - 30° | 389   | 20%         |
| 0° - 40° | 654   | 33%         |
| 0° - 60° | 1255  | 63%         |
| 0° - 80° | 1784  | 90%         |
| 0° - 90° | 1984  | 100%        |

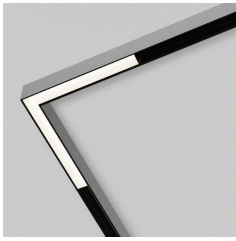
**CONE OF LIGHT**

| MOUNTING HEIGHT | FC AT BEAM CENTER | BEAM DIA. 0°-180° | BEAM DIA. 90°-270° |
|-----------------|-------------------|-------------------|--------------------|
| 6.0 ft          | 13.3 fc           | 0.0 ft            | 17.5 ft            |
| 8.0 ft          | 7.5 fc            | 0.0 ft            | 23.3 ft            |
| 10.0 ft         | 4.8 fc            | 0.0 ft            | 29.1 ft            |
| 12.0 ft         | 3.3 fc            | 0.0 ft            | 35.0 ft            |
| 14.0 ft         | 2.4 fc            | 0.0 ft            | 40.8 ft            |
| 16.0 ft         | 1.9 fc            | 0.0 ft            | 46.6 ft            |
| 18.0 ft         | 1.5 fc            | 0.0 ft            | 52.4 ft            |
| 20.0 ft         | 1.2 fc            | 0.0 ft            | 58.3 ft            |

**INDOOR COEFFICIENTS OF UTILIZATION**

| pf | pc  | 20% |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 0%  |     |     |     |    |    |
|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|
|    |     | 80% |     |     |     | 70% |     |     |     | 50% |     |     |     | 30% |     |     |     |     | 10% |     |     |    |    |
|    |     | 70% | 50% | 30% | 10% | 70% | 50% | 30% | 10% | 70% | 50% | 30% | 10% | 70% | 50% | 30% | 10% | 70% | 50% | 30% | 10% | 0% |    |
| 0  | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 100 |     |     |     |    | 0% |
| 1  | 104 | 98  | 92  | 86  | 101 | 95  | 90  | 85  | 91  | 86  | 82  | 87  | 83  | 79  | 83  | 80  | 77  | 75  |     |     |     |    | 0% |
| 2  | 93  | 83  | 74  | 67  | 90  | 81  | 73  | 66  | 77  | 70  | 64  | 74  | 68  | 63  | 70  | 66  | 61  | 59  |     |     |     |    | 0% |
| 3  | 84  | 71  | 62  | 54  | 81  | 70  | 61  | 53  | 67  | 59  | 52  | 64  | 57  | 51  | 61  | 55  | 50  | 48  |     |     |     |    | 0% |
| 4  | 76  | 63  | 52  | 45  | 74  | 61  | 52  | 44  | 58  | 50  | 44  | 56  | 49  | 43  | 54  | 47  | 42  | 40  |     |     |     |    | 0% |
| 5  | 70  | 55  | 45  | 38  | 68  | 54  | 45  | 37  | 52  | 43  | 37  | 50  | 42  | 37  | 48  | 41  | 36  | 34  |     |     |     |    | 0% |
| 6  | 64  | 50  | 40  | 32  | 62  | 49  | 39  | 32  | 47  | 38  | 32  | 45  | 37  | 32  | 43  | 37  | 31  | 29  |     |     |     |    | 0% |
| 7  | 60  | 45  | 35  | 28  | 58  | 44  | 35  | 28  | 42  | 34  | 28  | 41  | 33  | 28  | 39  | 33  | 28  | 25  |     |     |     |    | 0% |
| 8  | 55  | 41  | 31  | 25  | 54  | 40  | 31  | 25  | 39  | 31  | 25  | 37  | 30  | 25  | 36  | 29  | 24  | 22  |     |     |     |    | 0% |
| 9  | 52  | 37  | 28  | 22  | 50  | 37  | 28  | 22  | 35  | 28  | 22  | 34  | 27  | 22  | 33  | 27  | 22  | 20  |     |     |     |    | 0% |
| 10 | 48  | 34  | 26  | 20  | 47  | 34  | 26  | 20  | 33  | 25  | 20  | 32  | 25  | 20  | 31  | 24  | 20  | 18  |     |     |     |    | 0% |

**GROOVE TRACK LUMINAIRE OPTIONS:**



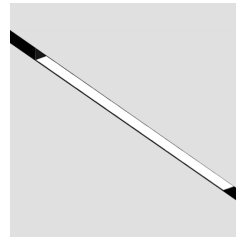
FG-L1R-C90  
*Seamless Linear Diffused*



FG-L1R-CI  
*Seamless Linear Diffused*



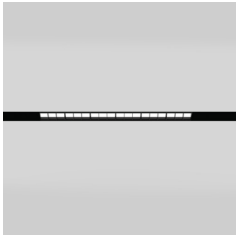
FG-L1R-CO  
*Seamless Linear Diffused*



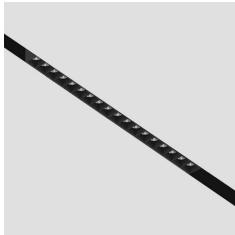
FG-L1R-8 | 16 | 32 | 48 | 64  
*Seamless Linear Diffused*



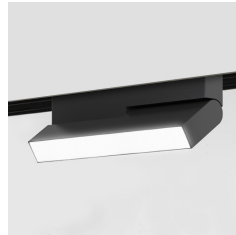
FG-L1-WW-3 | 8  
*Wall Wash*



FG-L3R-16 | 32  
*Linear Louvered*



FG-L4R-3 | 5 | 8 | 16 | 32  
*Linear Recessed Downlight & Task*



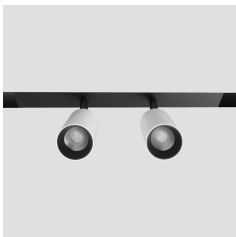
FG-L2A-3 | 5 | 8  
*Linear Diffused & Adjustable Light*



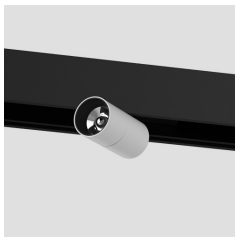
FG-L4A-3 | 5 | 8  
*Linear Adjustable Downlight, Task & Wall Grazer*



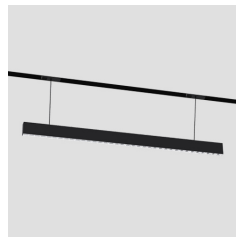
FG-T2-1 | 2 | 3 | FG-T3-1 | 2 | 3  
*Cylinder*



FG-T2-4  
*Cylinder*



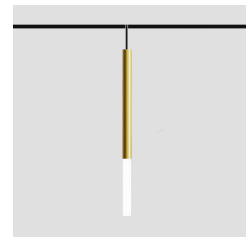
FG-T4-1 | 2 | 3  
*Beam Adjustable Cylinder*



FG-L1P-32  
*Pendant Louvered*



FG-P1-1 | 2  
*Pendant*



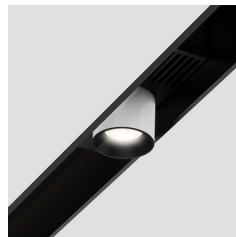
FG-P3-1 | 2  
*Pendant*



FG-P4-1 | 2 | 3  
*Pendant Globe*



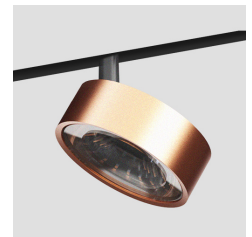
FG-P5-1  
*Globe*



FG-T1-1  
*Recessed Track Light*



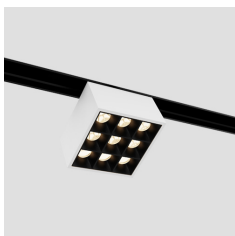
FG-T1-2  
*Recessed Track Light*



FG-T5-1 | 2  
*Flat Round*



FG-T6-1 | 2  
*Flat Square*



FG-T7-1 | 3  
*Square Track Light*



FG-T7-2  
*Rectangle Track Light*

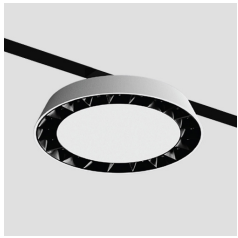


FG-T8-1  
*Track Globe*

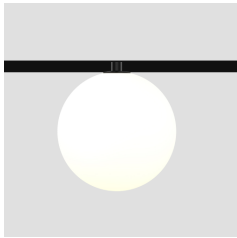


FG-T9-1  
*Track Globe*

**GROOVE TRACK LUMINAIRE OPTIONS:**



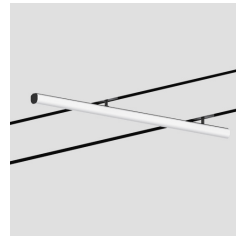
FG-T10-1  
*Track Downlight*



FG-T11-1  
*Globe*



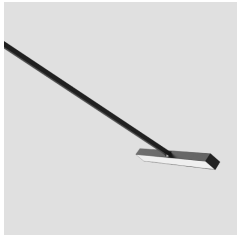
FG-L2S-32 | 48  
*Surface Light*



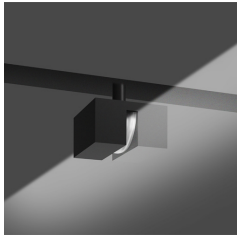
FG-L5S-32 | 48  
*Surface Light*



FG-WL-1  
*Wall Light*



FG-WL-2  
*Wall Light*



FG-LL-1  
*Line Light*



FG-TRJ-1  
*Projector*



FG-TRJ-2  
*Gobo Projector*

**GROOVE TRACK MOUNTING OPTIONS:**



*Trimless Recessed Mount*



*Surface, Ceiling Mount*



*Suspended Mount with Uplight*



*Suspended Mount*