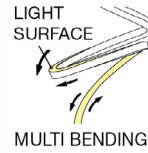
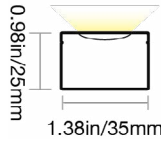


MULTIFLEX ORBIT GX: SILICONE - 24V

Indoor & Outdoor Rated Linear Flex Profile - RGBW PWM



PROFILE CAPABILITIES



CERTIFICATIONS & FEATURES*



TEMPERATURES

AMBIENT OPERATING TEMPERATURE:
-40°F to 131°F (-40°C to 55°C)

AMBIENT INSTALLATION TEMPERATURE:
≥ 40°F (-40°C)

FIXTURE STORAGE TEMPERATURE:
-40°F to 140°F (-40°C to 60°C)

MAX MOUNTING SURFACE TEMPERATURE:
185°F (85°C)

HUMIDITY (NON-CONDENSING):
0-95%

THERMAL MANAGEMENT:
Free Air Convection

FIXTURE ORDER CODE

| E | | A | | | | B | | | |
|--------------------------------------|------------------------|--------------------|------------------|---------------------------------------|--|--------------------------------|----------------------------|--------------------------|--|
| INPUT CONNECTORS | SERIES | MATERIAL | PROFILE | BENDING | JACKET/BASE + LENS COLOR | LED FUNCTION | LED COLOR | CHIP + CRI | |
| See Page 5 to select input connector | M = Multiflex | 1 = Silicone | N = OrbitGX | 3 - Multi | W = White + Diffused B = Black + Diffused | 4 = RGBW PWM | L = 3000K | 0 = Pro LED Chip + CRI80 | |
| C | | D | E | | F | | G | | |
| POWER | VOLTAGE + CIRCUIT TYPE | ORDER UNIT LENGTH | PROFILE SPECIFIC | OUTPUT CONNECTOR | MOUNTING PROFILE | MOUNTING ACCESSORIES | POWER SUPPLIES & CONTROLS: | | |
| N = 7.31w/ft (24w/m) | 3V = 24V DC CV | J = 9.84in (250mm) | G = 20°40° @RGBW | See Page 5 to select output connector | See Page 7 to select mounting profiles | See Page 9 to select accessory | By Others By GLLS | | |

*Maximum IP and IK ratings achievable with appropriate accessories, and cable diameter: Silicone RGBW = 0.26in (6.5mm).

MULTIFLEX ORBIT GX: SILICONE - 24V

Indoor & Outdoor Rated Linear Flex Profile - RGBW PWM



A

MECHANICAL

ASSEMBLY

Fixtures are carefully assembled using high-quality components to ensure durability and performance. Each unit is built to meet strict specifications, with attention to electrical safety, thermal management, and optical alignment.

OVERALL & CUTTING LENGTHS

Fixtures feature defined overall lengths and specific cutting increments for easy customization. Cutting must be done at marked points to maintain proper function and consistent light output.

JACKET COLOR

The white or black jackets, with diffused lens covers provide a clean, uniform appearance while softening light output for reduced glare. It enhances visual comfort and delivers smooth, even illumination ideal for architectural and display applications.

BENDING RADIUS

Do not bend smaller than allowed minimum bend diameter, or may cause damage to the light & void warranty.

OPERATION

LIGHT ENGINE

RGBW Pulse Width Modulation (PWM) light engines deliver stable, flicker-free light at a fixed brightness. They offer consistent color and reliable performance for long-term application.

ELECTRICAL

Designed to meet UL, CE, and RoHS standards, they feature overload, overvoltage, and short-circuit protection, along with low EMI and efficient thermal management for safe, reliable operation.

DIMMING

Dimming controls for 24V DC RGBW PWM systems include 0-10V, RDM DMX, and DALI protocols. These options allow smooth, flicker-free dimming while maintaining consistent color and performance across fixtures.

GENERAL

WARRANTY

Limited 5-Year Warranty against defects in materials and manufacturing. Coverage applies to properly installed and maintained products. Damage from misuse or improper installation is not covered. G.L.L.S. may repair, replace, or issue credit for eligible claims.

LUMEN MAINTENANCE

G.L.L.S. static lighting fixtures are tested to IES LM-84 and projected with IES TM-28 to ensure consistent lumen maintenance. Fixtures are designed to retain at least 70% of their initial brightness (L70) over a 10-year lifespan when properly installed and operated.

CERTIFICATION

Tested to UL2108 Class 2 by Underwriters Laboratory for use in the USA and Canada. Exceeds ANSI C78.377A, CE, and RoHS standards. Must be used under Class 2 ratings to maintain certification.

UL Certificate #: E347880

Report Reference #: E347880-20130503

TESTING

OPTICAL TESTING

| TEST | RESULTS |
|------------------------------|---|
| Spectrum Analysis | IES LM 79 (Lumen, CCT, CRI, XY, SDCM, Wavelength) |
| Photometric Distribution | IES LM 79 |
| Lumen Maintenance & Lifetime | IES LM 84 & IES TM28 |

TEMPERATURE TESTING

| TEST | RESULTS |
|-------------------------|--|
| Normal Temperature Test | UL1598 & UL2388 & IEC60598-1 & IEC60598-2-21 |
| Abnormal Operation Test | UL1598 & UL2388 & IEC60598-1 & IEC60598-2-21 |

ENVIRONMENTAL TESTING

| TEST | RESULTS |
|-----------------------------------|--|
| Salt Water Immersion | IEC60598-1, Saltinity 4% |
| Salt Spray Test | IEC60068-2-11 |
| Outdoor Exposure | Manufacturer-defined |
| Flame Resistance | UL94 |
| UV Exposure | ASTMG 154, ISO 4892-3, UVA @ 340nm & 55 |
| IPX8 | EN 60598-1: 2015+A1:2018 Clause 9.2.2 & 9.2.8 |
| Temperature Shock(Silicone) | Manufacturer-defined, -40°C - 60°C (typical temperature range) |
| Constant Temperature | Manufacturer-defined |
| 12mm Needle Flame Test (Silicone) | IEC60695-11-5 |
| 650 Glow-wire Test (Silicone) | IEC60695-2-10 |

DURABILITY TESTING

| TEST | RESULTS |
|--------------|---|
| Bending Test | Manufacturer-defined, 500 cycles |
| Tensile Test | Manufacturer-defined, > The weight of light in max. |
| Twist Test | Manufacturer-defined, >200 cycles |
| Ball Impact | UL1598 & UL2388 & IEC60598-1 & IEC60598-2-21 |
| IK | IEC62262 |



MULTIFLEX ORBIT GX: SILICONE - 24V

Indoor & Outdoor Rated Linear Flex Profile - RGBW PWM



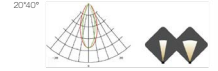
B

LED COLORS



RGBW-30K

PHOTOMETRIC CURVE



FIXTURE SPECIFICATIONS & OPTICAL PARAMETERS: WHITE JACKET + DIFFUSED LENS

| COLOR | BEAM ANGLE | LED CHIP + CRI | LED COUNT | 1 CONNECTOR FULL/DYNAMIC | 2 CONNECTORS FULL/DYNAMIC | FIXTURE COLOR TOLERANCE | WAVELENGTH/ CCT | LED CRI | LED COLOR TOLERANCE | LUMEN COUNT |
|------------------------------------|------------|----------------------|--------------------------|--------------------------|---------------------------|-------------------------|---|---------|---------------------|---|
| R; G; B; 3000K R+G+B+W | 20°/40° | Pro LED Chip + CRI80 | 8 LEDs/ft (28 LEDs/m) | 6.56ft (2m) / N/A | 6.56ft (2m) / N/A | N/A | 619-624nm; 520-535nm; 460-475nm; N/A; 3045±175K | N/A | N/A | >35lm/ft (115lm/m); >81lm/ft (265lm/m); >23lm/ft (75lm/m); >139lm/ft (455lm/m); >107lm/ft (350lm/m) |

FIXTURE SPECIFICATIONS & OPTICAL PARAMETERS: BLACK JACKET + DIFFUSED LENS

| COLOR | BEAM ANGLE | LED CHIP + CRI | LED COUNT | 1 CONNECTOR FULL/DYNAMIC | 2 CONNECTORS FULL/DYNAMIC | FIXTURE COLOR TOLERANCE | WAVELENGTH/ CCT | LED CRI | LED COLOR TOLERANCE | LUMEN COUNT |
|-------------------------------------|------------|----------------------|--------------------------|--------------------------|---------------------------|-------------------------|---|---------|---------------------|--|
| R; G; B; 3000K; R+G+B+3 | 20°/40° | Pro LED Chip + CRI80 | 8 LEDs/ft (28 LEDs/m) | 6.56ft (2m) / N/A | 6.56ft (2m) / N/A | N/A | 619-624nm; 520-535nm; 460-475nm; N/A; 3045±175K | N/A | N/A | >30lm/ft (100lm/m); >69lm/ft (225lm/m); >18lm/ft (60lm/m); >117lm/ft (385lm/m); >88lm/ft (290lm/m) |

* Run length is based on a voltage drop calculated using a 0.3 m (0.98 ft) cable with silicone seamless connectors, excluding connector length—refer to specifications for details. Max Run: Dynamic = RGBW <100%; Full Load = RGBW at 100%. Due to fragility, five-wire fixtures are not recommended to exceed 16.4ft (5m). Single Connector: 6.6ft (2m) max, extendable to 16.4ft (5m) with daisy-chaining. **Double Connectors: 6.6ft (2m) max, extendable to 32.8ft (10m) with daisy-chaining. ***Silicone products maintain ≤3 SDCM within a single production run and <5 SDCM between production runs.



MULTIFLEX ORBIT GX: SILICONE - 24V

Indoor & Outdoor Rated Linear Flex Profile - RGBW PWM



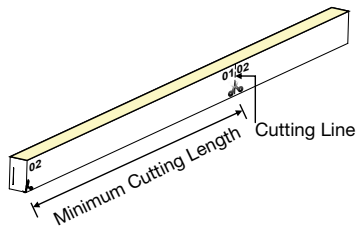
C

POWER & VOLTAGE

| COLOR | VOLTAGE + CIRCUIT TYPE | POWER CONSUMPTION |
|-------|------------------------|-------------------|
| RGB | 24V DC CV | 7.31W/ft (24W/m) |

D

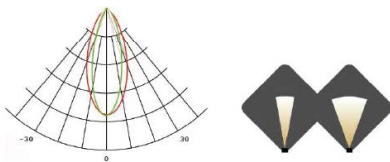
CUTTING INSTRUCTIONS



| COLOR | ORDER UNIT (CUTTING UNIT) |
|-------|---------------------------|
| RGB | 9.84in (250mm) (7 LEDs) |

PROFILE SPECIFIC - PHOTOMETRIC CURVE

20°40°



MULTIFLEX ORBIT GX: SILICONE - 24V

Indoor & Outdoor Rated Linear Flex Profile - RGBW PWM



E

COMPATIBLE CONNECTORS

INPUT - 01

| PROFILE | BEND | WIRING | INPUT CONNECTOR TYPE | INPUT ORIENTATION + TYPE | INPUT CABLE LENGTH (LEAD WIRE) |
|---------|------|--------|----------------------|--------------------------|--------------------------------|
|---------|------|--------|----------------------|--------------------------|--------------------------------|

OUTPUT - 02

| PROFILE | BEND | WIRING | OUTPUT CONNECTOR TYPE | OUTPUT ORIENTATION + TYPE | OUTPUT CABLE LENGTH (LEAD WIRE) |
|-------------|-----------|--|-----------------------|--------------------------------|---|
| N = OrbitGX | 3 = Multi | 5 = 5 Wire (RGBW PWM) 0 = N/A (End Cap) | 2 = Silicone Seamless | B = Bottom Exit I = End Cap | 1 = 0.98ft (0.3m) 2 = 3.28ft (1m) 3 = 9.84ft (3m) 4 = 16ft (5m) 8 = N/A |

LEGACY CONNECTOR ORDER CODE

| FA | 25M | 22 | XX | SE | X | XX | XXX | X | X |
|--------------------------|---------------|----------------|--|----------------|---|-----------------------------|---|--|------------------------|
| PRODUCT TYPE | PROFILE | LIGHT EMITTING | FUNCTIONALITY | CONNECTOR TYPE | FIXTURE END | EXIT TYPE | LENGTH | | COLOR |
| FA = Factory Accessories | 25M = OrbitGX | 22 = 25M | 2W = Static 3W = Tunable White/SPI-Pixel 4W = RGB 5W = RGBW 5D = DMX-Pixel 0W = For End Cap | SE = Seamless | 1 = Input Side 2 = Output Side 0 = Jumpers/T-feeds/Seamless Bottom/Seamless End | BO = Bottom EC = End Cap | 0M3 = 0.98ft (30cm) 01M = 3.28ft (1m) 03M = 9.84ft (3m) 05M = 16ft (5m) 000 = For End Cap | P = Power or For End Cap S = Signal & Power | B = Black W = White |



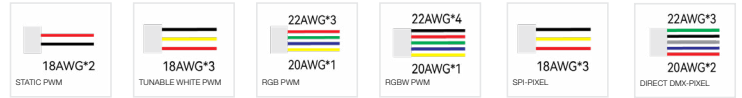
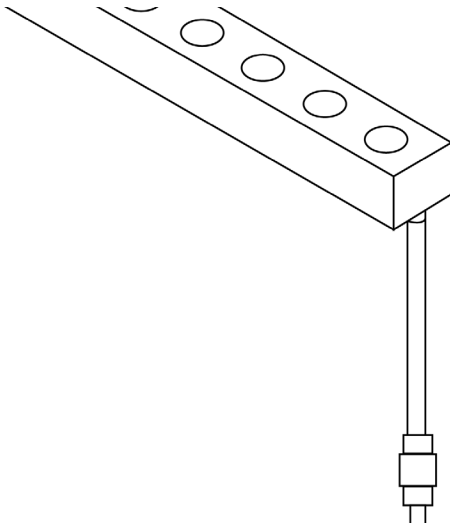
MULTIFLEX ORBIT GX: SILICONE - 24V

Indoor & Outdoor Rated Linear Flex Profile - RGBW PWM



E

SILICONE SEAMLESS CONNECTOR

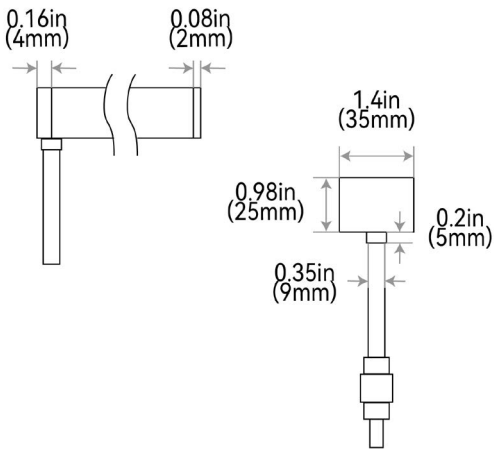


NOTES:

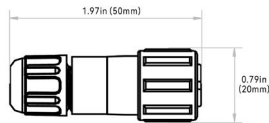
1. Connector tolerance ± 0.02 in (0.5mm)
2. Cable diameter: silicone static = 0.26in (6.5mm);
3. Do not apply force to the feed cable
4. Ensure max. cable lengths are followed according to wire gage to avoid voltage drop

IP68; seamless; precise low profile dimension; high grade quality silicone & anti-wicking ferrule. Recommended for; wet environments; custom predetermined lengths; high/ low temperatures; increased humidity; direct UV exposure; harsh working conditions & increased handling forces during installation. Precision milling and special glue Silicone liquid injection-moulded workmanship enables an almost consistent size between connectors and light body, and the transparent terminal of the connector allows the seamless effects spliced end by end. DryWire technology applied on the cable eliminates the capillary phenomenon through wires, which secured the long-term reliability in outdoor or any wet environments. Custom factory assembly.

BOTTOM EXIT: N3#2B#

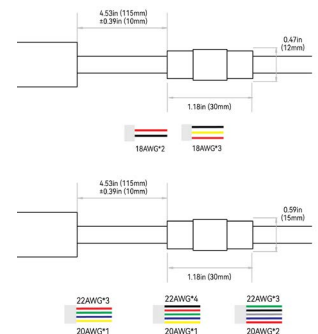


SCREW LOCK CONNECTOR ACCESSORY - IP67



NOTE: The tolerance is ± 0.08 in (2mm).

ANTI-WICKING FERRULE:



NOTES:

1. The anti-wicking ferrule is located at 4.53in (115mm) (± 0.39 in [± 10 mm] tolerance) from the connector on the cable. For protection against water ingress.
2. The removal of anti-wicking ferrule will void the warranty if any water ingress caused by it.



MULTIFLEX ORBIT GX: SILICONE - 24V

Indoor & Outdoor Rated Linear Flex Profile - RGBW PWM



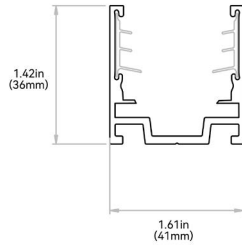
F

MOUNTING PROFILES

| MOUNTING PROFILE TYPE | STANDARD LENGTH | PROFILE | COLOR | BENDING |
|---|--|-------------|--------------|--------------------------------------|
| A4 = Aluminum Silicone Grip | 0 = 1.79in (50mm) 3 = 19.68in (500mm) 5 = 39.37in (1000mm) 6 = 78.74in (2000mm) | N = OrbitGX | 1 = Standard | 3 = Multi |
| A17 = Aluminum Silicone Grip with Raceway | 0 = 1.79in (50mm) 3 = 19.68in (500mm) 5 = 39.37in (1000mm) 6 = 78.74in (2000mm) | | | 1 = Side 2 = Top |
| A5 = Aluminum Flexible | 5 = 39.37in (1000mm) | | | 1 = Side 2 = Top |
| C1 = Silicone Flexible | C = 7.87in (200mm) 3 = 19.68in (500mm) 5 = 39.37in (1000mm) | | | 2 = Black 3 = White 0 = Custom |

ALUMINUM PROFILE - SILICONE GRIP

High-quality 6063 aluminum with thin-wall, light-weight design to fit the fixture tightly. Includes a serrated silicone grip insert designed to hold fixture with additional force. Recommended on projects mounted upside down with lighting mounted recessed in a cavity so only the lens is shown. It is deformation and rust resistant, and cost-effective. Please refer to install manual for proper installation practices.

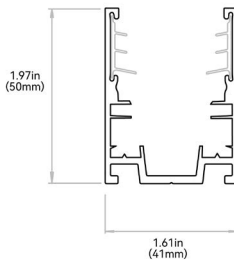


Tolerance: ± 0.01in (0.3mm)

| ORDER CODE | STANDARD LENGTH | LEGACY ORDER CODES |
|------------|------------------|--------------------|
| A40N13 | 1.97in (50mm) | CH25RALL0M05SE |
| A43N13 | 19.68in (500mm) | CH25RAL0M5SE |
| A45N13 | 39.37in (1000mm) | CH25RAL01MSE |
| A46N13 | 78.74in (2000mm) | CH25RAL02MSE |

ALUMINUM PROFILE - SILICONE GRIP WITH RACEWAY

High-quality 6063 aluminum with thin-wall, light-weight design. Includes a serrated silicone grip insert designed to hold fixture with additional force as well as a raceway offering a sleek solution to hidden cable management. Recommended on projects mounted upside down. It is deformation and rust resistant, and cost-effective. Please refer to install manual for proper installation practices.



Tolerance: ± 0.01in (0.3mm)

| ORDER CODE | STANDARD LENGTH | LEGACY ORDER CODES |
|------------|------------------|--------------------|
| A170N13 | 1.97in (50mm) | CH25RAL0M05SE |
| A173N13 | 19.68in (500mm) | CH25RALHP0M5SE |
| A175N13 | 39.37in (1000mm) | CH25RALHP01MSE |
| A176N13 | 78.74in (2000mm) | CH25RALHP02MSE |



MULTIFLEX ORBIT GX: SILICONE - 24V

Indoor & Outdoor Rated Linear Flex Profile - RGBW PWM



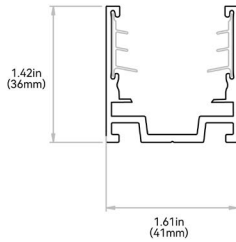
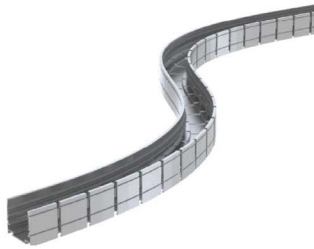
F

ALUMINUM PROFILE - FLEXIBLE

High-quality 6063 aluminum offers an enhanced version of the flexible aluminum profile, engineered to support smooth, continuous curves and streamlined aesthetics. Featuring advanced precision cutting, it preserves strong clamping force while enabling two-way side or top bending with exceptional shape memory.

SIDE BEND

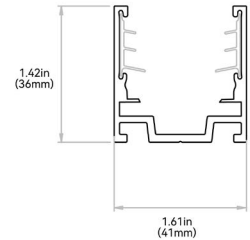
Minimum Bending Diameter:
47.24in (1200mm)



Tolerance: ± 0.01in (0.3mm)

TOP BEND

Minimum Bending Diameter:
78.74in (2000mm)



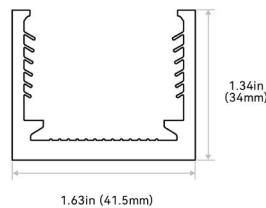
Tolerance: ± 0.01in (0.3mm)

| ORDER CODE | STANDARD LENGTH | LEGACY ORDER CODES |
|------------|------------------|--------------------|
| A55N11 | 39.37in (1000mm) | CH25FAL01MSES B |

| ORDER CODE | STANDARD LENGTH | LEGACY ORDER CODES |
|------------|------------------|--------------------|
| A55N12 | 39.37in (1000mm) | CH25FAL01MSET B |

SILICONE PROFILE - FLEXIBLE

An all-in-one mounting profile designed to unleash your creativity. This profile not only provides flexibility in installation methods, but also overcomes bending limitations by offering both top and side bending in a single profile. Fully encapsulated in UL-certified silicone, it excels in UV, weather, and corrosion resistance, making it suitable for underwater, high and low temperature environments. Elegant and square in appearance, it is available in black or white standard colors, or bespoke colors to blend in with the background. Supported by innovative serrated silicone fins, its clamping strength is strong enough to secure any installation method. Side and top bending. Please refer to install manual for proper installation practices.



Tolerance: ± 0.01in (0.3mm)

| ORDER CODE | STANDARD LENGTH | LEGACY ORDER CODES: WHITE | LEGACY ORDER CODES: BLACK |
|------------|------------------|---------------------------|---------------------------|
| C1CNX3 | 7.87in (200mm) | CH25FAN0M2SEW | CH25FAN0M2SEB |
| C13NX3 | 19.68in (500mm) | CH25FAN0M5SEW | CH25FAN0M5SEB |
| C15NX3 | 39.37in (1000mm) | CH25FAN01MSEW | CH25FAN01MSEB |



MULTIFLEX ORBIT GX: SILICONE - 24V

Indoor & Outdoor Rated Linear Flex Profile - RGBW PWM



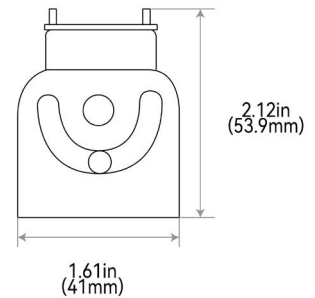
G

MOUNTING ACCESSORIES

| MOUNTING ACCESSORY TYPE | PROFILE |
|--------------------------------------|-------------|
| MA9 = Adjustable Mounting Bracket | N = OrbitGX |
| MA0 = Flexible Aluminum Glare Shield | |

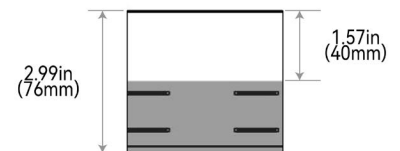
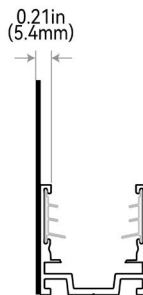
ADJUSTABLE MOUNTING BRACKET: MA9N | MA25MBRL0000

180° Rotation
304 Stainless Steel



FLEXIBLE ALUMINUM GLARE SHIELD

Minimum Bending Diameter: 47.24in (1200mm)



| ORDER CODE | STANDARD LENGTH | LEGACY ORDER CODES |
|------------|------------------|--------------------|
| MA0N | 39.37in (1000mm) | MA25MFALGS01M |
| MA0N | 78.74in (2000mm) | MA25MFALGS02M |



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GLS reserves the right to make any design changes for continuous improvement which will not affect the overall appearance or performance. REV. 20260508