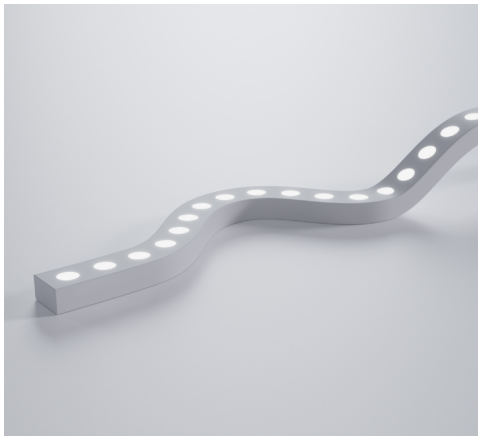
REQUEST QUOTE NOW

COMPLEXITY, SIMPLIFIED.

Customer: Date:

Project:

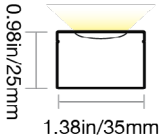


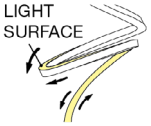
MULTIFLEX ORBIT GX: SILICONE - 24V

Indoor & Outdoor Rated Linear Flex Profile - RGB PWM

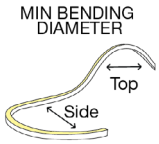
RoHS COMPLIANT | Class 2 | UL | CE

PROFILE CAPABILITIES





MULTI BENDING



TOP: 15.75IN (400MM)
SIDE: 31.5IN (800MM)

CERTIFICATIONS & FEATURES*

IP67 | IK10 | DMX | DALI

24 DC | 5 YEAR WARRANTY | RESISTANT

FLAME
UV
SOLVENT
SALT WATER

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		
N	3	2			M	1	N	3			3	S	0
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		3 = RGB PWM	S = RGB	0 = Pro LED Chip + CRI80

C		D		E					F		G	
N	3V	J	F	N	3	2			N		N	
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)	F = 20*40° @RGB	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 RGB = 0.26in (6.5mm).

MULTIFLEX ORBIT GX: SILICONE - 24V

Indoor & Outdoor Rated Linear Flex Profile - RGB PWM

COMPLEXITY, SIMPLIFIED.

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

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

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 RGB 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. GLLS may repair, replace, or issue credit for eligible claims.

LUMEN MAINTENANCE

GLLS 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 Referance #: 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, Sailinity 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 - RGB PWM

COMPLEXITY, SIMPLIFIED.

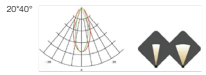
B

LED COLORS



RGB

PHOTOMETRIC CURVE



FIXTURE SPECIFICATIONS & OPTICAL PARAMETERS: WHITE JACKET + DIFFUSED LENS

COLOR	BEEM ANGLE	LED COUNT	1 CONNECTOR FULL/DYNAMIC*	2 CONNECTORS FULL/DYNAMIC**	UL CLASS 2 MAX RUN***	FIXTURE COLOR TOLERANCE****	WAVELENGTH/ CCT	LED CRI	LED COLOR TOLERANCE	LUMEN COUNT
R; G; B; R+G+B	20°40°	8 LEDs/ft (28 LEDs/m)	6.56ft (2m) / N/A	6.56ft (2m) / N/A	13ft (4m)	N/A	619-624nm; 520-535nm; 460-475nm; N/A	N/A	N/A	>46lm/ft (150lm/m); >104lm/ft (340lm/m); >23lm/ft (75lm/m); >172lm/ft (565lm/m)

FIXTURE SPECIFICATIONS & OPTICAL PARAMETERS: BLACK JACKET + DIFFUSED LENS

COLOR	BEEM ANGLE	LED COUNT	1 CONNECTOR FULL/DYNAMIC*	2 CONNECTORS FULL/DYNAMIC**	UL CLASS 2 MAX RUN***	FIXTURE COLOR TOLERANCE****	WAVELENGTH/ CCT	LED CRI	LED COLOR TOLERANCE	LUMEN COUNT
R; G; B; R+G+B	20°40°	8 LEDs/ft (28 LEDs/m)	6.56ft (2m) / N/A	6.56ft (2m) / N/A	13ft (4m)	N/A	619-624nm; 520-535nm; 460-475nm; N/A	N/A	N/A	>38lm/ft (125lm/m); >85lm/ft (280lm/m); >18lm/ft (60lm/m); >142lm/ft (465lm/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 = RGB <100%; Full Load = RGB at 100%. Dynamic load calculations are not recommended for determining max distance of this profile. 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. ***For UL Class 2 calculations, GLLS uses a maximum output of 96 W / 96 VA for 24 V circuits, unless otherwise confirmed by the listed driver. All runs are assumed to be single-feed from one Class 2 output. Dual-feeding from separate drivers does not qualify as Class 2 unless the run is electrically split into isolated sections. ****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 - RGB PWM

COMPLEXITY, SIMPLIFIED.

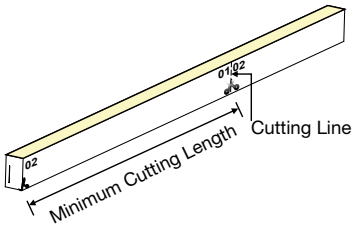
C

POWER & VOLTAGE

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

D

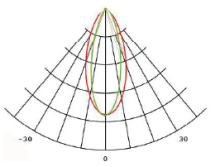
CUTTING INSTRUCTIONS



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 - RGB PWM

COMPLEXITY, SIMPLIFIED.

E

COMPATIBLE CONNECTORS

INPUT - 01

N	3		2		
PROFILE	BEND	WIRING	INPUT CONNECTOR TYPE	INPUT ORIENTATION + TYPE	INPUT CABLE LENGTH (LEAD WIRE)

OUTPUT - 02

N	3		2		
PROFILE	BEND	WIRING	OUTPUT CONNECTOR TYPE	OUTPUT ORIENTATION + TYPE	OUTPUT CABLE LENGTH (LEAD WIRE)
N = OrbitGX	3 = Multi	4 = 4 Wire (RGB 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

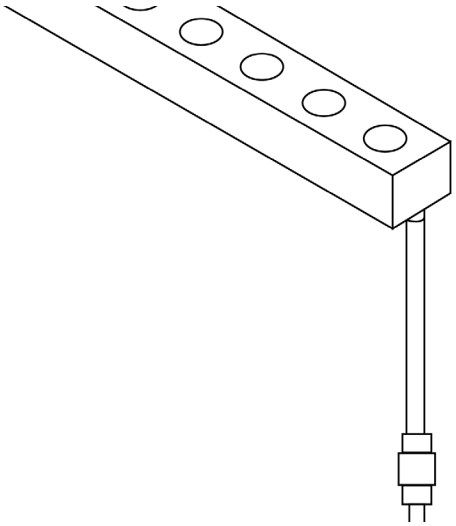
MULTIFLEX ORBIT GX: SILICONE - 24V

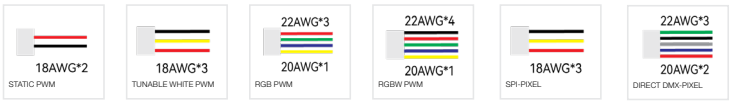
Indoor & Outdoor Rated Linear Flex Profile - RGB PWM

COMPLEXITY, SIMPLIFIED.

E

SILICONE SEAMLESS CONNECTOR

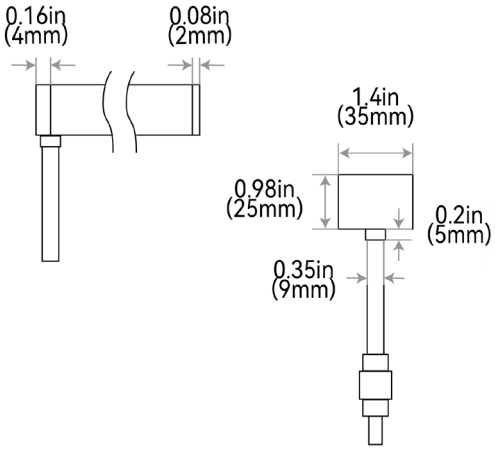




NOTES:
1. Connector tolerance ±0.02in (0.5mm)
2. Cable diameter: silicone static = 0.26in (6.5mm);
3. Do not apply force to the feed cable
4. Ensure max. cable lengths are followed according to wire gage to avoid voltage drop

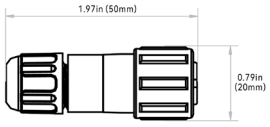
IP68; seamless; precise low profile dimension; high grade quality silicone & anti-wicking ferrule. Recommended for; wet environments; custom predetermined lengths; high/low temperatures; increased humidity; direct UV exposure; harsh working conditions & increased handling forces during installation. 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

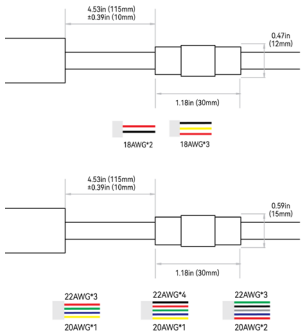




NOTE: The tolerance is ±0.08in (2mm).

ANTI-WICKING FERRULE:





NOTES:
1. The anti-wicking ferrule is located at 4.53in (115mm) (±0.39in [±10mm] 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 ingression caused by it.

MULTIFLEX ORBIT GX: SILICONE - 24V

Indoor & Outdoor Rated Linear Flex Profile - RGB PWM

COMPLEXITY, SIMPLIFIED.

F

MOUNTING PROFILES

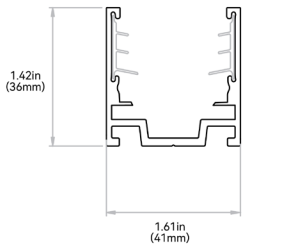
		N		
MOUNTING PROFILE TYPE	**STANDARD LENGTH**	**PROFILE**	**COLOR**	**BENDING**
A4 = Aluminum Silicone Grip	0 = 1.79in (50mm) 3 = 19.68in (500mm) 5 = 39.37in (1000mm) 6 = 78.74in (2000mm)			3 = Multi
A17 = Aluminum Silicone Grip with Raceway	0 = 1.79in (50mm) 3 = 19.68in (500mm) 5 = 39.37in (1000mm) 6 = 78.74in (2000mm)		1 = Standard	
A5 = Aluminum Flexible	5 = 39.37in (1000mm)	N = OrbitGX		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	3 = Multi
C2 = Silicone Profile - Flexible-Inverted mounting	C = 7.87in (200mm) 3 = 19.68in (500mm) 5 = 39.37in (1000mm)			

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)

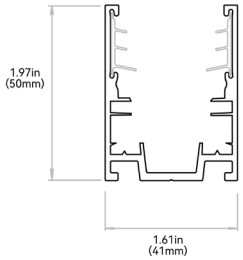
ORDER CODE	STANDARD LENGTH	LEGACY ORDER CODES
A40N13	1.97in (50mm)	CH25RALL0M05SE
A43N13	19.68in (500mm)	CH25RAL0M5SE
A45N13	39.37in (1000mm)	CH25RAL01MSE
A46N13	78.74in (2000mm)	CH25RAL02MSE

ALUMINUM PROFILE - SILICONE GRIP WITH RACEWAY

High-quality 6063 aluminum with thin-wall, light-weight design. Includes a serated 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 - RGB PWM

COMPLEXITY, SIMPLIFIED.

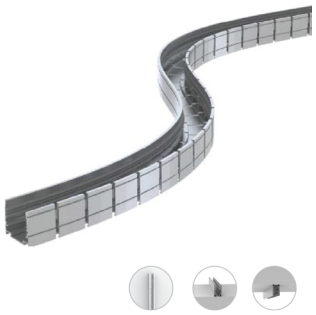
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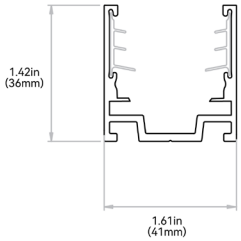
ALUMINUM PROFILE - FLEXIBLE

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)





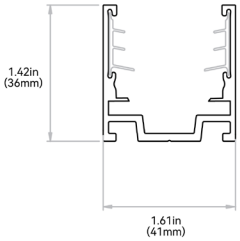
Tolerance: ± 0.01in (0.3mm)

ORDER CODE	STANDARD LENGTH	LEGACY ORDER CODES
A55N11	39.37in (1000mm)	CH25FAL01MSESB

TOP BEND

Minimum Bending Diameter:
78.74in (2000mm)





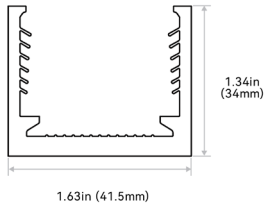
Tolerance: ± 0.01in (0.3mm)

ORDER CODE	STANDARD LENGTH	LEGACY ORDER CODES
A55N12	39.37in (1000mm)	CH25FAL01MSETB

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 enviroments. 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.



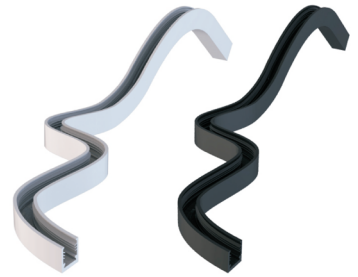


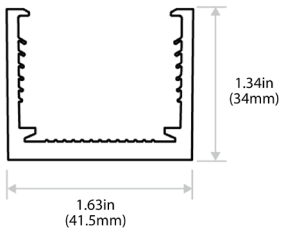
Tolerance: ± 0.01in (0.3mm)

ORDER CODE	STANDARD LENGTH	LEGACY ORDER CODES: WHITE	LEGACY ORDER CODES: BLACK
C1CN#3	7.87in (200mm)	CH25FAN0M2SEW	CH25FAN0M2SEB
C13N#3	19.68in (500mm)	CH25FAN0M5SEW	CH25FAN0M5SEB
C15N#3	39.37in (1000mm)	CH25FAN01MSEW	CH25FAN01MSEB

SILICONE PROFILE - FLEXIBLE-INVERTED MOUNTING

An all-in-one mounting profile designed to unleash your creativity and maximize installation flexibility. Featuring both top and side bending capabilities in a single profile, it overcomes traditional bending limitations and supports a wide range of installation configurations, including upright and upside-down mounting.





ORDER CODE	STANDARD LENGTH	LEGACY ORDER CODES: WHITE	LEGACY ORDER CODES: BLACK
C2CN#3	7.87in (200mm)	CH25FAN0M2INW	CH25FAN0M2INB
C23N#3	19.68in (500mm)	CH25FAN0M5INW	CH25FAN0M5INB
C25N#3	39.37in (1000mm)	CH25FAN01MINW	CH25FAN01MINB



MULTIFLEX ORBIT GX: SILICONE - 24V

Indoor & Outdoor Rated Linear Flex Profile - RGB PWM

COMPLEXITY, SIMPLIFIED.

G

MOUNTING ACCESSORIES

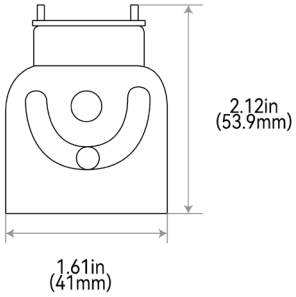
	N
MOUNTING ACCESSORY TYPE	**PROFILE**
MA9 = Adjustable Mounting Bracket	N = OrbitGX
MA0 = Flexible Aluminum Glare Shield	
MAG = Dual Adjustable Mounting Bracket	

ADJUSTABLE MOUNTING BRACKET: MA9N | MA25MBRL00000

180° Rotation
304 Stainless Steel



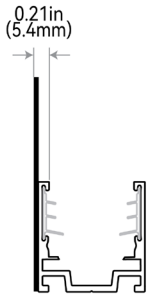


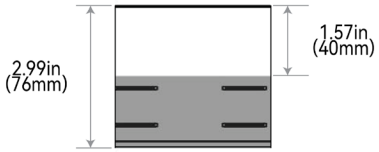


FLEXIBLE ALUMINUM GLARE SHIELD

Minimum Bending Diameter: 47.24in (1200mm)







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

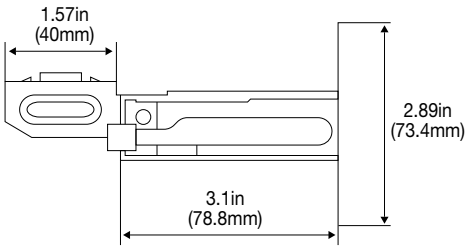
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DUAL ADJUSTABLE MOUNTING BRACKET: MAGN

180° Rotation
304 Stainless Steel
Adjustable Wall Distance: 3.15-4.72in (80-120mm)







GLLS reserves the right to make any design changes for continuous improvement which will not affect the overall appearance or performance. REV. 20261023