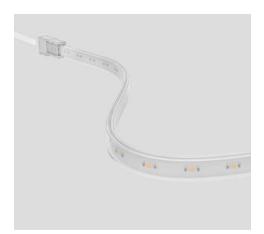


Customer:	Date:	
Project:		



Indoor & Outdoor Rated Linear Flex Profile - RGBW PWM





PROFILE CAPABILITIES







CERTIFICATIONS & FEATURES









TEMPERATURES

AMBIENT OPERATING TEMPERATURE: -40°F to 113°F (-40°C to 45°C)

AMBIENT INSTALLATION TEMPERATURE: -40°F to 113°F (-40°C to 45°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):

THERMAL MANAGEMENT:

Free Air Convection

FIXTURE ORDER CODE

INPUT CONNECTORS See Page 5 to V select input	SERIES	MATERIAL	PROFILE	BENDING	JACKET/BASE +			
_	/ \/!:! =I			DENDING	LENS COLOR	LED FUNCTION	LED COLOR	CHIP + CRI
connector	/ = Vivid	1 = Silicone	I = LightStrip	2 = Top	N = Transparent + Transparent	4 = RGBW	J = 2700K L = 3000K N = 4000K R = 6500K	2 = Epistar SMD LED Chip + CRI80
C		D		E		F	G	

POWER	VOLTAGE + CIRCUIT TYPE	ORDER UNIT LENGTH*	OUTPUT CONNECTOR	MOUNTING PROFILE	MOUNTING ACCESSORIES	POWER SUPPLIES & CONTROLS:
I = 4.57W/ft (15W/m)	3V = 24V DC CV	G = 3.94in (100mm)	See Page 5 to select output connector	See Page 8 to select mounting profile	See Page 14 to select accessory	By Others By GLLS

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



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 transparent silicone jacket and lens cover provide a sleek look that reveals the internal LEDs, delivering crisp, vibrant light with maximum brightness and color accuracy—ideal for applications where LED visibility enhances visual impact.

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 10-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 UL1598/2388 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

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

TEMPERATURE TESTING

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

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



Indoor & Outdoor Rated Linear Flex Profile - RGBW PWM



В

LED COLORS











FIXTURE SPECIFICATIONS & OPTICAL PARAMETERS

COLOR	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	LEGACY ORDER CODE
R; G; B; 2700K	Epistar SMD LED Chip + CRI80	18 LEDs/ft (60 LEDs/m)	26.2ft (8m) / 39.4ft (12m)	52.5ft (16m) / 78.7ft (24m)	80	618-624nm; 522-530nm; 468-474nm; 2725 ± 85K	N/A; N/A; N/A; 82-87	3nm; 3nm; 3nm; 2.3SDCM	32lm/ft (102lm/m); 85lm/ft (280lm/m); 17lm/ft (55lm/m); 85lm/ft (280lm/m)	SS15GC155WER2724DV
R; G; B; 3000K	Epistar SMD LED Chip + CRI80	18 LEDs/ft (60 LEDs/m)	26.2ft (8m) / 39.4ft (12m)	52.5ft (16m) / 78.7ft (24m)	80	618-624nm; 522-530nm; 468-474nm; 3045 ± 140K	N/A; N/A; N/A; 82-87	3nm; 3nm; 3nm; 2.3SDCM	32lm/ft (102lm/m); 85lm/ft (280lm/m); 17lm/ft (55lm/m); 85lm/ft (280lm/m)	SS15GC155WER3024DV
R; G; B; 4000K	Epistar SMD LED Chip + CRI80	18 LEDs/ft (60 LEDs/m)	26.2ft (8m) / 39.4ft (12m)	52.5ft (16m) / 78.7ft (24m)	80	618-624nm; 522-530nm; 468-474nm; 3985 ± 150K	N/A; N/A; N/A; 82-87	3nm; 3nm; 3nm; 2.3SDCM	32lm/ft (102lm/m); 85lm/ft (280lm/m); 17lm/ft (55lm/m); 85lm/ft (280lm/m)	SS15GC155WER4024DV
R; G; B; 6500K	Epistar SMD LED Chip + CRI80	18 LEDs/ft (60 LEDs/m)	26.2ft (8m) / 39.4ft (12m)	52.5ft (16m) / 78.7ft (24m)	80	618-624nm; 522-530nm; 468-474nm; 6532 ± 340K	N/A; N/A; N/A; 82-87	3nm; 3nm; 3nm; 2.3SDCM	32lm/ft (102lm/m); 85lm/ft (280lm/m); 17lm/ft (55lm/m); 85lm/ft (280lm/m)	SS15GC155WER6524DV

Note: Run length is based on a static full load with 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%. Silicone products maintain ≤3 SDCM within a single production run and <5 SDCM between production runs. Due to fragility, five-wire fixtures are not recommended to exceed 16.4ft (5m).





С

POWER & VOLTAGE

COLOR	VOLTAGE + CIRCUIT TYPE	POWER CONSUMPTION		
RGBW-27K				
RGBW-30K	041/ 00 01/	4 E710//# (4 E10//)		
RGBW-40K	24V DC CV	4.57W/ft (15W/m)		
RGBW-65K				

D

CUTTING INSTRUCTIONS

COLOR	ORDER UNIT (CUTTING UNIT)			
RGBW-27K				
RGBW-30K	0.04in (1.00mm) (C.L.EDa)			
RGBW-40K	3.94in (100mm) (6 LEDs)			
RGBW-65K				





E

COMPATIBLE CONNECTORS

INPUT - 01

INPUT CONNECTOR TYPE INPUT ORIENTATION + TYPE INPUT CABLE LENGTH (LEAD WIRE)

OUTPUT - 02

OUTPUT CONNECTOR TYPE	OUTPUT ORIENTATION + TYPE	OUTPUT CABLE LENGTH (LEAD WIRE)
2 = Silicone Seamless	A = End Exit B = Bottom Exit C = Side Left Exit D = Side Right Exit E = End Jumper H = Power T-Feed I = End Cap	1 = 0.98ft (0.3m) 2 = 3.28ft (1m) 3 = 9.84ft (3m) 4 = 16ft (5m) 5 = 32.81ft (10m) 6 = 49.21ft (15m) 7 = 65.62ft (20m) 8 = N/A

LEGACY CONNECTOR ORDER CODE

XX	15G	1	00	XX	XX	Х		XXX	Х
PRODUCT TYPE	PROFILE	BENDING	LIGHT EMITTING	FUNCTIONALITY	CONNECTOR TYPE	FIXTURE END	EXIT TYPE	LENGTH	
NA = DIY Accessories FA = Factory Accessories	15G = LightStrip	1 = Top	00 = 15G	2W = Static 3W = Tunable White/SPI-Pixel 4W = RGB 5W = RGBW 0W = For End Cap	SC = Snap SE = Seamless	1 = Input Side 2 = Output Side 0 = Jumpers/T-feeds/ Seamless Bottom/ Seamless End 3 = Input/Output	EN = End BO = Bottom SL = Side Left SR = Side Right EJ = End Jumper BJ = Bottom Jumper TF = Power Feed EC = End Cap	0M3 = 0.98ft (30cm) 01M = 3.28ft (1m) 03M = 9.84ft (3m) 05M = 16ft (5m) 10M = 32.81ft (10m) 000 = For End Cap	P = Power or For End Cap S = Signal & Power



Indoor & Outdoor Rated Linear Flex Profile - RGBW PWM



SILICONE SEAMLESS CONNECTOR





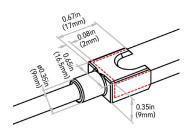
NOTES:

- 1. Connector Tolerance ±0.02in (0.5mm)
- 2. Cable diameter: Static, Tunable, RGB, RGBW & SPI Silicone = 0.26in (6.5mm)
- Do not apply force to the feed cable
 Ensure Max. Cable Lengths are followed according to wire gage to avoid voltage drop

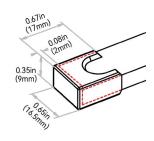
IP67; seamless; precise low profile dimension; high grade quality silicone & anti-wicking ferrule. Recommended for; wet environments; custom predetermined lengths; high/low temperatures; increased humidity; direct UV exposure; harsh working conditions & increased handling forces during installation. Precision milling and special glue Silicone liquid injection-moulded workmanship enables an almost consistent size between connectors and lightbody, 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.

END EXIT: 2-A-# **END CAP: 2-I-8**



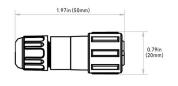






SCREW LOCK CONNECTOR ACCESSORY - IP67

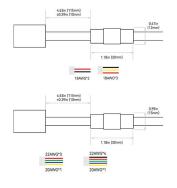




NOTE: The tolerance is ±0.08in (2mm).

ANTI-WICKING FERRULE:





- 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.



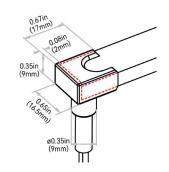


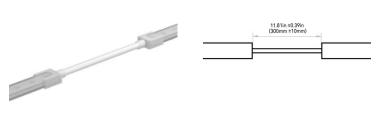
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BOTTOM EXIT: 2-B-#





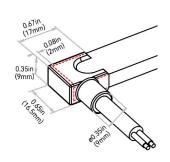




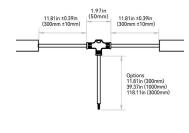
SIDE LEFT EXIT: 2-C-#

POWER T-FEED: 2-H-#



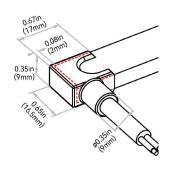






SIDE RIGHT EXIT: 2-D-#









MOUNTING PROFILES

MOUNTING PROFILE TYPE	STANDARD LENGTH	PROFILE	COLOR		
A1 = Aluminum Basic	2 = 1.38in (35mm) 3 = 19.68in (500mm) 5 = 39.37in (1000mm) 6 = 78.74in (2000mm)				
A12 = Aluminum Transparent Cover	3 = 19.68in (500mm) 5 = 39.37in (1000mm) 6 = 78.74in (2000mm)				
A13 = Aluminum Transparent Cover Compact	3 = 19.68in (500mm) 5 = 39.37in (1000mm) 6 = 78.74in (2000mm)				
A14 = Aluminum Diffused Cover	3 = 19.68in (500mm) 5 = 39.37in (1000mm) 6 = 78.74in (2000mm)	I = LightStrip	1 = Standard		
A15 = Aluminum Diffused Cover Compact	3 = 19.68in (500mm) 5 = 39.37in (1000mm) 6 = 78.74in (2000mm)				
A8 = Aluminum Raceway	3 = 19.68in (500mm) 5 = 39.37in (1000mm) 6 = 78.74in (2000mm)				
A9 = Aluminum Raceway Suspended	3 = 19.68in (500mm) 5 = 39.37in (1000mm) 6 = 78.74in (2000mm)				

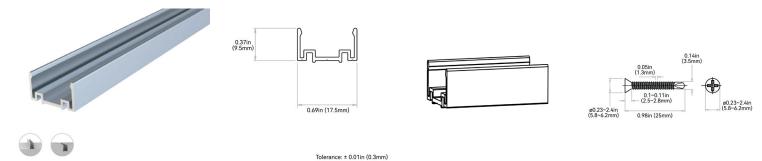


Indoor & Outdoor Rated Linear Flex Profile - RGBW PWM

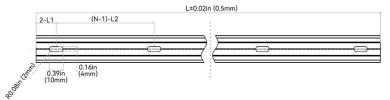


ALUMINUM PROFILE - BASIC

High-quality 6063 aluminum with thin-wall, light-weight design to fit the fixture tightly. It is deformation and rust resistant, and cost-effective. Please refer to install manual for proper installation practices..



NOTES: 1. 2-L1 refers to two of symmetric L1 in each piece of profile. 2. (N-1)-L2 refers to (N minus one) of symmetric L2 in each piece of profile. "N" hereby stands for its corresponding "Hole Number" in the below table



0.16*0.39in (4*10mm)

0.16*0.39in (4*10mm)

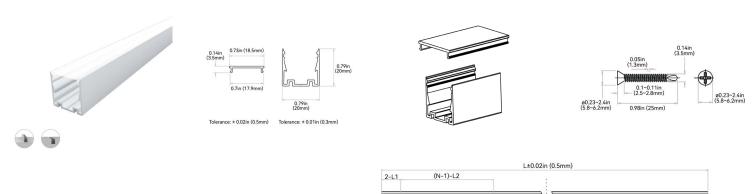
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10

ORDER CODE	LEGACY CODE	STANDARD LENGTH	L1	L2	SLOTTED HOLE	HOLE #
A1-2-I-1	CL15RAL3C5SD	1.38in (35mm)	0.69in (17.5mm)	N/A	0.16*0.39in (4*10mm)	1
A1-3-I-1	CH15RAL0M5SD	19.68in (500mm)	1.97in (50mm)	7.87in (200mm)	0.16*0.39in (4*10mm)	3
A1-5-I-1	CH15RAL01MSD	39.37in (1000mm)	3.93in (100mm)	7.87in (200mm)	0.16*0.39in (4*10mm)	5
A1-6-I-1	CH15RAL02MSD	78.74in (2000mm)	3.93in (100mm)	7.87in (200mm)	0.16*0.39in (4*10mm)	10

ALUMINUM PROFILE - TRANSPARENT COVER

It is composed of 6063 aluminum profile and transparent cover with different light transmittance, and caters for various scenarios with special demands on brightness and light diffusion. The transparent cover effectively decreases the glare, avoids the direct impact on the light surface from an external force, and blocks dust to reduce the influence on the brightness and color, prolonging the light lifespan. Please refer to install manual for proper installation practices.



NOTES: 1. 2-L1 refers to two of symmetric L1 in each piece of profile. 2. (N-1)-L2 refers to (N minus one) of symmetric L2 in each piece of profile.



7.87in (200mm)

7.87in (200mm)



A12-3-I-1

A12-5-I-1

A12-6-I-1

CH15CCA01M20

CH15CCA02M20

39.37in (1000mm)

78.74in (2000mm)

3.93in (100mm)

3.93in (100mm)

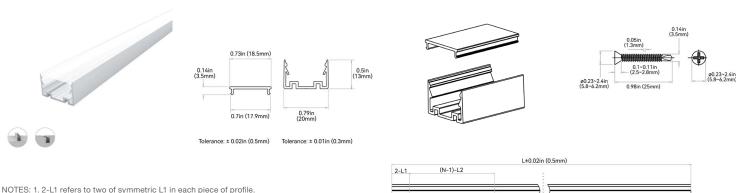
Indoor & Outdoor Rated Linear Flex Profile - RGBW PWM

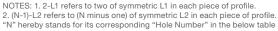


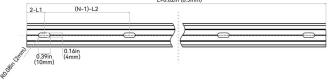
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ALUMINUM PROFILE - TRANSPARENT COVER - COMPACT

It is composed of 6063 aluminum profile in a compact height and transparent cover with different light transmittance, and caters for various scenarios with special demands on brightness and light diffusion. The transparent cover effectively decreases the glare, avoids the direct impact on the light surface from an external force, and blocks dust to reduce the influence on the brightness and color, prolonging the light lifespan. Please refer to install manual for proper installation practices.



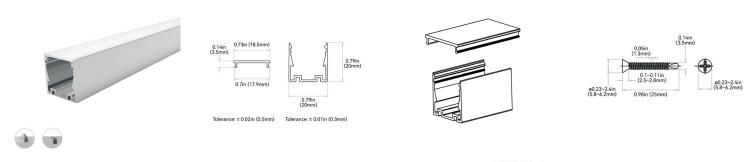


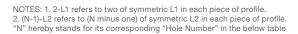


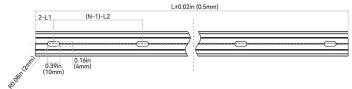
ORDER CODE	LEGACY ORDER CODE	STANDARD LENGTH	L1	L2	SLOTTED HOLE	HOLE #
A13-3-I-1	CH15CCA0M513	19.68in (500mm)	1.97in (50mm)	7.87in (200mm)	0.16*0.39in (4*10mm)	3
A13-5-I-1	CH15CCA01M13	39.37in (1000mm)	3.93in (100mm)	7.87in (200mm)	0.16*0.39in (4*10mm)	5
A13-6-I-1	CH15CCA02M13	78.74in (2000mm)	3.93in (100mm)	7.87in (200mm)	0.16*0.39in (4*10mm)	10

ALUMINUM PROFILE - DIFFUSED COVER

It is composed of 6063 aluminum profile and diffused cover with different light transmittance, and caters for various scenarios with special demands on brightness and light diffusion. The diffused cover effectively decreases the glare, avoids the direct impact on the light surface from an external force, and blocks dust to reduce the influence on the brightness and color, prolonging the light lifespan. Please refer to install manual for proper installation practices.







ORDER CODE	LEGACY ORDER CODE	STANDARD LENGTH	L1	L2	SLOTTED HOLE	HOLE #
A14-3-I-1	CH15WCA0M520	19.68in (500mm)	1.97in (50mm)	7.87in (200mm)	0.16*0.39in (4*10mm)	3
A14-5-I-1	CH15WCA01M20	39.37in (1000mm)	3.93in (100mm)	7.87in (200mm)	0.16*0.39in (4*10mm)	5
A14-6-I-1	CH15WCA02M20	78.74in (2000mm)	3.93in (100mm)	7.87in (200mm)	0.16*0.39in (4*10mm)	10



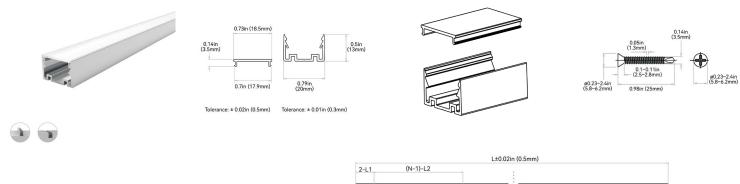
Indoor & Outdoor Rated Linear Flex Profile - RGBW PWM

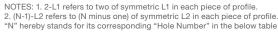


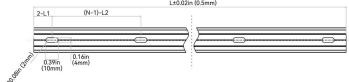
B

ALUMINUM PROFILE - DIFFUSED COVER - COMPACT

It is composed of 6063 aluminum profile in a compact height and diffused cover with different light transmittance, and caters for various scenarios with special demands on brightness and light diffusion. The diffused cover effectively decreases the glare, avoids the direct impact on the light surface from an external force, and blocks dust to reduce the influence on the brightness and color, prolonging the light lifespan. Please refer to install manual for proper installation practices.



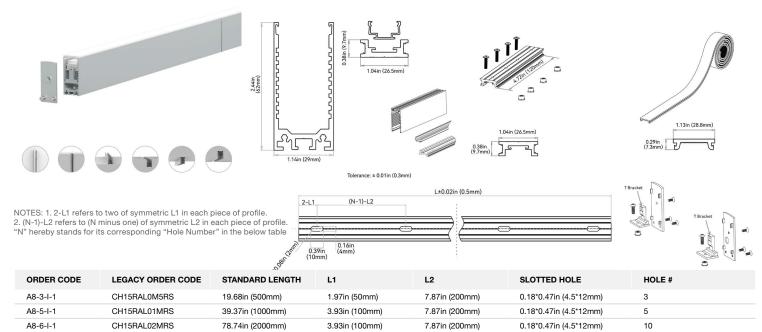




ORDER CODE	LEGACY ORDER CODE	STANDARD LENGTH	L1	L2	SLOTTED HOLE	HOLE #
A15-3-I-1	CH15WCA0M513	19.68in (500mm)	1.97in (50mm)	7.87in (200mm)	0.16*0.39in (4*10mm)	3
A15-5-I-1	CH15WCA01M13	39.37in (1000mm)	3.93in (100mm)	7.87in (200mm)	0.16*0.39in (4*10mm)	5
A15-6-I-1	CH15WCA02M13	78.74in (2000mm)	3.93in (100mm)	7.87in (200mm)	0.16*0.39in (4*10mm)	10

ALUMINUM PROFILE - RACEWAY

High-quality 6063 thin-wall aluminum, light-weight design featuring hidden cables. The raceway space is enough to conceal seamless connectors with bottom feed and the general male/female connectors. It is superb for the facade where tidiness is required and the scenarios that lack of space for wiring. Please refer to install manual for proper installation practices.





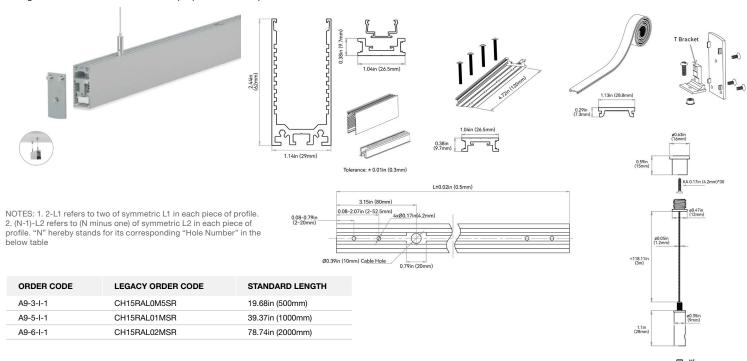
Indoor & Outdoor Rated Linear Flex Profile - RGBW PWM



I

ALUMINUM PROFILE - RACEWAY - SUSPENDED

High-quality 6063 thin-wall aluminum, light-weight design featuring hidden cables and suspended by cables from the ceiling. The raceway space is enough to conceal seamless connectors with bottom feed and the general male/female connectors. It is superb for the facade where tidiness is required and the scenarios that lack of space for wiring. Please refer to install manual for proper installation practices.







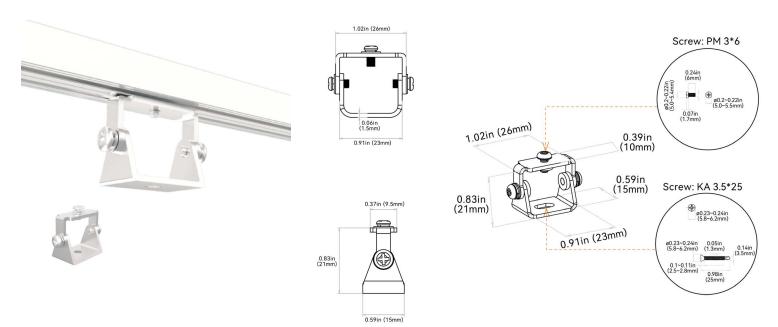
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MOUNTING ACCESSORIES

MOUNTING ACCESSORY TYPE	PROFILE
MA1 = Pivot Bracket	
MA2 = Rotary Bracket	I = LightStrip
MA3 = Side Bracket	

PIVOT BRACKET

Applicable to all mounting profiles.







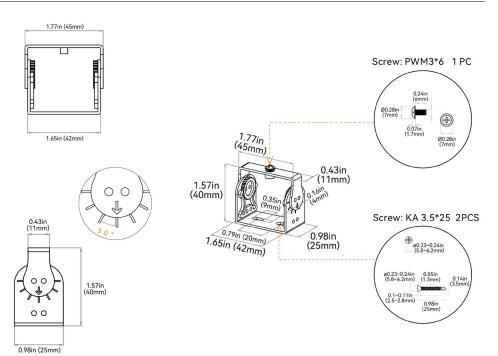
G

ROTARY BRACKET

Applicable to all mounting profiles.







SIDE MOUNTING BRACKET

Applicable to all mounting profiles.



