

Date Project

Notes

5.5 4-IN-1 RGB + WHITE & RGB + AMBER RIBBONLYTE

5.5 4-In-1 RGBW and RGBA RibbonLyte are DMX controlled. Use with Acolyte channel profiles to create an excellent fixture with no color refraction.

RGB + WHITE: Adds 3000K, 4000K, or 6000K to RGB to replicate tungsten and daylight.

RGB + AMBER: Adds 590 nanometer to RGB for warm accents.

- Use with Acolyte channel profiles to create a custom fixture
- Flexible
- 24 Volt input
- Closet rated (standalone or surface channels)

Applications:

Commercial Hospitality Residential Entertainment Museums Retail Healthcare Public Spaces



RoHS IP20 IP65 IP68



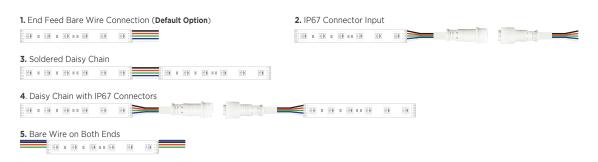
5-Day QuickShip program applies to IP20 RGBW options only



ORDERING GUIDE

Category	CRI	Ribbon Type & IP Rating	Wattage + Color	
RB	0			
RB - Ribbonlyte	O - Color Changing	RGBWA20 - RGBW/A IP20	5.5RGB30 - 5.5 RGB + 3000K	5.5RGB60 - 5.5RGB + 6000K
		RGBWA65 - RGBW/A IP65	5.5RGB40 - 5.5 RGB + 4000K	5.5RGBA - 5.5 RGB + Amber
		RGBWA68 - RGBW/A IP68		

CONNECTION OPTIONS



Standard cable length if not specified:

- 1. 12 in. cable with bare wire (custom length up to 20 feet)
- ${\bf 2.}$ Standard 12 in. cable with IP67 connectors (custom length up to 10 feet)
- **3.** Daisy chain with 3 in. cable between runs (custom length up to 36 in.)
- 4. 3 in. cable between IP67 connector and RibbonLyte (custom length up to 18 in.)
- 5. Standard 12 in. cable with bare wire (custom length up to 10 feet)

Note: IP67 connectors are used for both IP20 and IP65/IP68 RibbonLyte

AVAILABLE COLORS







SPECIFICATIONS / DIAGRAM / USAGE GUIDELINES

	5.5 4-IN-1 RGB WHITE/ AMBER
Operating Voltage	24 V
Power Consumption	5.5 W/ft (18.0 W/m)
Current (mA) - 24V	229 mA/ft (752 mA/m)
LED Pitch	18 LEDs/ft (60 LEDs/m)
Protection Rating	IP20, IP65, IP68
Dimming/Control	DMX / Lutron A-Series 1% dimming LED drivers
Operating Temperature	-40° F to 158° F (-40° C to 70° C)
Colors/Color Temperatures	RGBW (3000K), RGBW (4000K), RGBW (6000K), RGB+Amber
Lumens - RGBW	279 lm/ft (915 lm/m) All LEDs at 100%
Binning Tolerance	+/- 100K (White)
LED Beam Angle	120°
Lamp Life	50,000 Hours
Cuttable Length - 24V	3.94 in (100 mm)
Lumens/Watt - RGBW	51 lm/W (All LEDs at 100%)
Lumens/Watt - RGBA	27 lm/W (All LEDs at 100%)
Constant Voltage	✓
Cable Length	12 in (30.5 cm)
Certifications	UL 2108 Issued: 2016/06/17 Ed: 1 Rev: 2021/10/16 Low Voltage Lighting Systems. CSA C22.2 No. 250.0, General Requirements for Luminaires. ROHS compliant UL 2108. Suitable for use in closets, compliant with NFPA® 70, NEC® Section 410.16 (A)(3) and 410.16 (C)(5).

24V DIMENSIONS	Top View	Side View	Dimensions
IP20	CUTTABLE EVERY: 3.94 in (100 mm)		Width 0.47 in (12 mm) Max Length* 19 ft 7.9 in (6 m) Height 0.09 in (2.3 mm)
IP65	CUTTABLE EVERY: 3.94 in (100 mm)	[]="I]	Width 0.47 in (12 mm) Max Length* 19 ft 7.9 in (6 m) Height 0.125 in (3.2 mm)
IP68	CUTTABLE EVERY: 3.94 in (100 mm)	Treat.	Width 0.58 in (14.8 mm) Max Length* 19 ft 7.9 in (6 m) Height 0.21 in (5.3 mm)

USAGE GUIDELINES

- IP65 and IP68 RibbonLyte are not field cuttable. All custom cuts and connections for these models must be performed at the factory to ensure waterproofing standards are met. Any modification of this on the field or by end user will result in a voided warranty.
- When installing this product take into account the surface temperature of the material this product is mounted to. Many building surfaces which are exposed to direct sunlight exceed the 70° C / 158° F maximum that our product is rated for. High risk locations like this should be avoided.
- Our IP65 can be used in wet, outdoor locations around swimming pools and spa tubs, but our products are not intended to be submerged in pools and fountains and do not carry UL676 certification to do so.
- Please refer to our RibbonLyte Proper Use Guide in our Application Guide for more information. Available for download at www.GENLEDBrands.com/Acolyte.
- Compatible with a wide variety of control products including the entire line of Lutron dimming systems.
- For use with Acolyte drivers, 0-10V dimming modules and interface controllers (DMXINF models).
- Use with non-Acolyte supplied drivers is not supported or warrantied.
- Due to the nature of the product, RibbonLyte cuttable lengths are generally longer or shorter than the customer requested length. Unless specified, RibbonLyte is factory cut at the shorter cuttable point.
- · We reserve the right to make changes to product lineup, specifications, design and finishes at any time without notice.

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CHANNEL COMPATIBILITY / CHANNEL OPTIONS

CHANNEL	IP20 IP65	IP68	SURFACE MOUN		unated K St :	M MIN	man Delever	(D. W.S.J. D.)	DM December	CM C
AC1	~		LENS OPTIONS:	C - Clear F - Fr	rosted K - Black	M - Milky NP - Na	arrow Prismatic W	/P - Wide Prismatic	RM - Round Milky	SM - Square Milk
AC2	~									
C3	/									
C4	/	/								
C5	~	~								
C14	~							6. 40		
νP1	~	_	AC1	AC2	AC3	AC4	AC5	AC14	AP1	AS1
AR1	~		C, F, M	C, F, M	C, F, M	C, F, M	C, F, M	SM	C, K, M, SM	C, F, M
AR2	/							h		
AR3	/	1								
AR5	•	•								
AR8							. 3	i		
			AS2	AS3	AS6	AS12	AS13	AS14	AS16	AS23
AR10			C, F, M	C, F, M	C, F, M	RM	RM, SM	SM	C, K, M	C, K, M, SM
AR14	/						h			
AR16	/									
AR20	~									
AR23						0	@ 6	9 9		
R25	~	~							~	
R30	~	~	AS28 M, NP, WP	AS30 M, RM, SM	AS53 M, NP, WP	AT4 C, F, M	AT5 C, F, M	AT11 C, F, M	AW12 C, K, M, RM	AW14 C, K, M
R33	~	~	m, NP, WP	1-1, 15171, 3171	m, NP, WP	C, F, M	C, F, M	C, F, M	C, N, M, KM	C, N, 171
\S1	~					17				
S2	~									
AS3	~	~				· //				
\S6	/	/		The same	-					
\S10			AW35	AW38	AW38	B1	B2	C22	GL2	ROUND
\S12	~	/	C, F, M	M, RM, SM	C, F, M	C, F, M	RM	C, F, M	C, F, M	C, F, M
\S13	~	/	h							
\S14	/									
\S16	~	_								
AS20G			60'		0 0					
AS23	/	/	ROUND12	ROUND20	WH35					
			C, K, M	C, K, M	C, F, M					
\S28	/	/								
AS30	/	/								
AS53	/	/								
			DECESSED CHAI	NNELC						
	~	~	RECESSED CHAI	NNELS						
AT4 AT5	~	/		NNELS C - Clear F - Fr	rosted K - Black	M - Milky NP - Na	arrow Prismatic W	/P - Wide Prismatic	RM - Round Milky	SM - Square Milk
		/			rosted K - Black	M - Milky NP - Na	arrow Prismatic W	/P - Wide Prismatic	RM - Round Milky	SM - Square Milk
AT5	~	✓ ✓			rosted K - Black	M - Milky NP - Na	arrow Prismatic W	/P - Wide Prismatic	RM - Round Milky	SM - Square Milk
AT5 AT11 AW10	~	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓			rosted K - Black	M - Milky NP - Na	arrow Prismatic W	/P - Wide Prismatic	RM - Round Milky	SM - Square Milk
AT5 AT11 AW10 AW12	*	✓ ✓			rosted K - Black	M - Milky NP - No	arrow Prismatic W	/P - Wide Prismatic	RM - Round Milky	SM - Square Milk
AT5 AT11 AW10 AW12 AW14	\frac{1}{\sqrt{1}}	✓ ✓			rosted K - Black	M - Milky NP - Na	arrow Prismatic W	/P - Wide Prismatic	RM - Round Milky	SM - Square Milk
AT5 AT11 AW10 AW12 AW14 AW35	\frac{}{}	*	LENS OPTIONS:	C - Clear F - Fr						
AT11 AW10 AW12 AW14 AW35 AW38		*	LENS OPTIONS:	C - Clear F - Fr	AR3	M - Milky NP - Na AR14 SM	AR16	AR20	RM - Round Milky AR25 M, RM, SM	SM - Square Milk AR30 M, RM, SM
AT5 AT11 AW10 AW12 AW14 AW35 AW38 AW40		*	LENS OPTIONS:	C - Clear F - Fr		AR14			AR25	AR30
XT5 XT11 XW10 XW12 XW14 XW35 XW38 XW40	· · · · · · · · · · · · · · · · · · ·	*	LENS OPTIONS:	C - Clear F - Fr	AR3	AR14	AR16	AR20	AR25	AR30
XT5 XT11 XW10 XW12 XW14 XW35 XW38 XW40 X1	· · · · · · · · · · · · · · · · · · ·	*	LENS OPTIONS:	C - Clear F - Fr	AR3	AR14	AR16	AR20	AR25	AR30
AT5 AT11 AW10 AW12 AW14 AW35 AW38 AW40 B1		*	LENS OPTIONS:	C - Clear F - Fr	AR3	AR14	AR16	AR20	AR25	AR30
AT5 AT11 AW10 AW12 AW14 AW35 AW38 AW40 B1 B2 C22		*	ARI C, F, M	C - Clear F - Fr	AR3	AR14	AR16	AR20 C, K, M, SM	AR25	AR30
AT5 AT11 AW10 AW12 AW14 AW35 AW38 AW40 B1 B2 C22 GL1		*	ARI C, F, M	C - Clear F - Fr	AR3 C, F, M	AR14 SM	ARI6 C, K, M	AR20 C, K, M, SM	AR25 M, RM, SM	AR30 M, RM, SM
AT5 AT11 AW10 AW12 AW14 AW35 AW40 B1 B2 C22 GL1 GL2 ROUND	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	*	ARI C, F, M	AR2 C, F, M	AR3 C, F, M	AR14 SM	ARI6 C, K, M	AR20 C, K, M, SM	AR25 M, RM, SM	AR30 M, RM, SM
.T5 .T11 .W10 .W12 .W14 .W35 .W38 .W40 1 2 22 .EL1 .EL2 .OUND	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	*	ARI C, F, M	C - Clear F - Fr	AR3 C, F, M	AR14 SM	ARI6 C, K, M	AR20 C, K, M, SM	AR25 M, RM, SM	AR30 M, RM, SM
AT5 AT11 AW10 AW12 AW14 AW35 AW38 AW40 AT1 AT12 AT12 AT12 AT12 AT13 AT13 AT13 AT13 AT13 AT13 AT13 AT13	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	*	ARI C, F, M	C - Clear F - Fr	AR3 C, F, M	AR14 SM	ARI6 C, K, M	AR20 C, K, M, SM	AR25 M, RM, SM	AR30 M, RM, SM
T5 T11 W10 W12 W14 W35 W38 W40 1 2 22 L1 L2 OUND OUND12 OUND20 C1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	*	ARI C, F, M	C - Clear F - Fr	AR3 C, F, M	AR14 SM	ARI6 C, K, M	AR20 C, K, M, SM	AR25 M, RM, SM	AR30 M, RM, SM
AT5 AT11 AW10 AW12 AW14 AW35 AW38 AW40 AT1 AT12 AT12 AT12 AT12 AT13 AT13 AT13 AT13 AT13 AT13 AT13 AT13	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	*	ARI C, F, M	C - Clear F - Fr	AR3 C, F, M	AR14 SM	ARI6 C, K, M	AR20 C, K, M, SM	AR25 M, RM, SM	AR30 M, RM, SM
AT5 AT11 AW10 AW12 AW14 AW35 AW38 AW40 AT1 AT12 AT12 AT11 AT11 AT11 AT11 AT11	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	*	ARI C, F, M	C - Clear F - Fr	AR3 C, F, M	AR14 SM	ARI6 C, K, M	AR20 C, K, M, SM	AR25 M, RM, SM	AR30 M, RM, SM
AT5 AT11 AW10 AW12 AW14 AW35 AW38 AW40 B1 B2 B2 B1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	*	ARI C, F, M	C - Clear F - Fr	AR3 C, F, M	AR14 SM	ARI6 C, K, M	AR20 C, K, M, SM	AR25 M, RM, SM	AR30 M, RM, SM
AT5 AT11 AW10 AW12 AW14 AW35 AW38 AW40 B1 B2 C22 BL1 BL2 ROUND ROUND12 ROUND20 BC1 BC2 BC3 BC4	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	\rightarrow \right	AR1 C, F, M	C - Clear F - Fr	AR3 C, F, M	AR14 SM	ARI6 C, K, M	AR20 C, K, M, SM	AR25 M, RM, SM	AR30 M, RM, SM
AT5 AT11	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	\rightarrow \right	AR1 C, F, M	C - Clear F - Fr	AR3 C, F, M	AR14 SM	ARI6 C, K, M	AR20 C, K, M, SM	AR25 M, RM, SM	AR30 M, RM, SM
AT5 AT11 AW10 AW12 AW14 AW35 AW38 AW40 B1 B2 B2 B1 B1 B2 B2 B1 B1 B2 B2 B3	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	\rightarrow \right	AR1 C, F, M	C - Clear F - Fr	AR3 C, F, M	AR14 SM	ARI6 C, K, M	AR20 C, K, M, SM	AR25 M, RM, SM	AR30 M, RM, SM
AT5 AT11 AW10 AW12 AW14 AW35 AW38 AW40 B1 B2 B2 B1 B1 B1 B1 B2 B2 B2 B3 B3 B3 B4 B4 B4 B5 B5 B5 B5 B5 B6	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	\rightarrow \right	AR1 C, F, M	C - Clear F - Fr	AR3 C, F, M	AR14 SM	ARI6 C, K, M	AR20 C, K, M, SM	AR25 M, RM, SM	AR30 M, RM, SM
AT5 AT11 AW10 AW12 AW14 AW35 AW38 AW40 A1 A2 A22 A1 A1 A1 A22 A20 A20 A20 A20 A20 A20 A20 A20 A20	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	\rightarrow \right	ARI C, F, M AR33 M, NP, WP W31 C, F, M	AR2 C, F, M	AR3 C, F, M SC1 M	AR14 SM SC2 M	AR16 C, K, M	AR20 C, K, M, SM SC4 M, RM, SM	AR25 M, RM, SM SC5 M, RM, SM	AR30 M, RM, SM SC6 C, K, M, SM
AT5 AT11 AW10 AW12 AW14 AW35 AW38 AW40 B1 B2 B2 B1 B1 B2 B2 B2 B3	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	\rightarrow \right	ARI C, F, M AR33 M, NP, WP W31 C, F, M DISCLAIMER When installing to	AR2 C, F, M GL1 C, F, M	AR3 C, F, M SCI M	AR14 SM SC2 M	ARI6 C, K, M SC3 M	AR20 C, K, M, SM	AR25 M, RM, SM SC5 M, RM, SM	AR30 M, RM, SM SC6 C, K, M, SM



WIRING DIAGRAMS

DMX Interface/Decoder

DMX Interface/Decoder

DMX in Black - Driver

Black - Driver

WIRE COLORS PER RIBBONLYTE COLOR

RGBW/A

Black (+) Positive Red Wire (-) goes to Red Channel Green Wire (-) goes to Green Channel Blue Wire (-) goes to Blue Channel White Wire (-) goes to White Channel