

Date Project

Notes

#### STATIC WHITE SERIES 2 RIBBONLYTE 2.2

Our Series 2 Static White RibbonLyte provides a 40% or more increase in lumens per watt, lumens per foot and LEDs per foot. Our Series 2 product line offers a 90+ CRI with tighter LED spacing and shorter cuttable lengths for improved design flexibility.

- 2.2 W/ft (7.2 W/m)
- Create a custom fixture with our channels
- 9 white color temperatures
- 90+ CRI
- · 2-Step MacAdam ellipse binning
- Closet rated in channel applications

#### Applications:

Commercial Entertainment Healthcare Hospitality Museums Residential Retail

Public Spaces





**RoHS** 

**IP20** 

**IP65**\*

IP68

\* 1800K, 2000K, 2200K are not available in IP65 and IP68

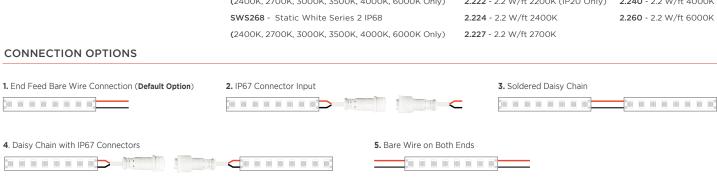






## ORDERING GUIDE

Category	CRI	Ribbon Type & IP Rating	Wattage & Color	
RB	90			
RB - RIBBONLYTE	90 - 90+ CRI Static White	SWS220 - Static White Series 2 IP20	<b>2.218</b> - 2.2 W/ft 1800K (IP20 Only)	<b>2.230</b> - 2.2 W/ft 3000K
		SWS265 - Static White Series 2 IP65	<b>2.220</b> - 2.2 W/ft 2000K (IP20 Only)	<b>2.235</b> - 2.2 W/ft 3500K
		(2400K, 2700K, 3000K, 3500K, 4000K, 6000K Only)	<b>2.222</b> - 2.2 W/ft 2200K (IP20 Only)	<b>2.240</b> - 2.2 W/ft 4000K
		SWS268 - Static White Series 2 IP68	<b>2.224</b> - 2.2 W/ft 2400K	<b>2.260</b> - 2.2 W/ft 6000K
		(2400K, 2700K, 3000K, 3500K, 4000K, 6000K Only)	<b>2.227</b> - 2.2 W/ft 2700K	



#### Standard cable length if not specified:

- ${f 1.}$  12 in. cable with bare wire (custom length up to 20 feet)
- 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 COLOR TEMPERATURES**





# SPECIFICATIONS / DIAGRAM / USAGE GUIDELINES

					STATIC WHITE	SERIES 2 RIBBO	NLYTE 2.2				
Operating Voltage		24 V									
Power Consumption	ı	2.2 W/ft (7.2 W/m)									
Current (mA) - 24V					92 m	A/ft (302 mA/m)	)				
LED Pitch					49 LED	s/ft (160 LEDs/r	n)				
Protection Rating				IP20, IP65, IP	68 (1800K, 200	OK, and 2200K a	re only available	e in IP20)			
Dimming/Control					MLV / 0-	10 Volt / ELV / D	ALI				
Operating Temperat			-40° F to 158° F (-40° C to 70° C)								
Colors Temperature	es	1800K	2000K	2200K	2400K	2700K	3000K	3500K	4000K	6000K	
MacAdam Ellipses (	SDCM)				2	-Step Binning					
Lumens		183 lm/ft (599 lm/m)	211 lm/ft (693 lm/m)	233 lm/ft (765 lm/m)	244 lm/ft (801 lm/m)	264 lm/ft (866 lm/m)	268 lm/ft (880 lm/m)	279 lm/ft (916 lm/m)	293 lm/ft (960 lm/m)	281 lm/ft (934 lm/m)	
Binning Tolerance						+/- 100K					
LED Beam Angle				120°							
Lamp Life				50,000 Hrs							
Cuttable Length				1.96 in (50 mm)							
CRI - All Color Temp	p.		90+ CRI								
Lumens/Watt		83 lm/W	96 lm/W	105 lm/W	111 lm/W	120 lm/W	122 lm/W	127 lm/W	133 lm/W	128 lm/W	
Constant Voltage						<b>✓</b>					
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.  All RibbonLyte models 3.0 W/ft (9.8 W/m) and lower when used in any Acolyte Channel profile except Piccolo are tested by UL and confirmed 'Suitable for Installation in the Storage Area of a Clothes Closet' in accordance with NFPA 70 and NEC 410.16 and 411.									
Warranty					IP20: 6 ye	ears, IP65/68: 3 y	ears				
24V DIMENSIONS	Top View						Side View	Dim	ensions		
CUTTABLE EVERY: 1.97 in (50 mm)							Max	Width 0.31 in (8 mm)  Max Length* 42 ft (12.8 m)  Height 0.06 in (1.45 mm)			
IP65	CUTTABL	E EVERY: 1.97 in (	(50 mm)					Max	th 0.31 in (8 mm Length* 32.8 ft ght 0.1 in (2.5 mi	(10 m)	
1968	CUTTABLE EVERY: 1.97 in (50 mm)						Max	hth 0.44 in (11.18 Length* 32.8 ft ght 0.18 in (4.5 r	(10 m)		
OPTIONAL ACCESSOR	RY										
(	0.5 in. VHB	Таре		Flat Mounting Clip				Silic	one Clip		
SI	urface mou	perior holding por Inted applications TOT: VHBTAPE0.5BK	6	No.	mounting IP20/ t Number: RBMN	<b>IP65 RibbonLyte</b> ITSIL			<b>bunting IP68 Rib</b> umber: RBMNTS	-	

Note: RibbonLyte comes with an adhesive backing, but Acolyte recommends using VHB Tape for extra support in surface mounted applications.

# 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.

Acolyte does not warrant or represent that the information is free from errors or omission. The information may change without notice and Acolyte is not in any way liable for the accuracy of any information printed and stored or in any way interpreted or used.



# CHANNEL COMPATIBILITY / CHANNEL OPTIONS

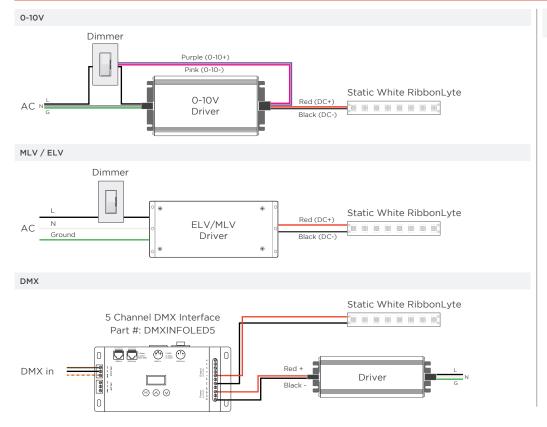
	IP20								
CHANNEL	IP65	IP68	SURFACE CHANNE	LS					
AC1	~	~				<del></del>			
AC2	~	~						1 1	
AC3	~	~					<b>—</b>	1000	
AC4	~	~	<b>AS1</b> W: 0.68 in. / 17.2 mm	<b>AS2</b> W: 0.7 in. / 17.8 mm	<b>AS3</b> W: 0.93 in. / 23.6 mm	<b>AS6</b> W: 0.89 in. / 22.5 mm	AS10 W: 0.47 in. / 12 mm	AS16 W: 0.74 in. / 18.8 mm	AS20G W: 0.61 in. / 15.5 mm
AC5	~	~	H: 0.34 in. / 8.7 mm Inside: 0.57 in. / 14.6 mm	H: 0.6 in. / 15.2 mm Inside: 0.49 in. / 12.5 mm	H: 0.42 in. / 10.7 mm Inside: 0.81 in. / 20.6 mm	H: 0.62 in. / 15.7 mm Inside: 0.71 in. / 18 mm	H: 0.47 in. / 12 mm Inside W: 0.39 in. / 10 mm Inside H: 0.31 in. / 8 mm	H: 0.73 in. / 18.6 mm Inside W: 0.65 in. / 16.4 mm Inside H: 0.63 in. / 16 mm	H: 0.47 in. / 12 mm H w/ lens: 0.71 in. / 18 mm Inside W: 0.42 in. / 10.7 mr
AR1	~					ען	لتب		
AR3	~	~		تجيع	닠 .	_		1 & 3 1	<u> </u>
AR10	~				۳ <u>۲۰</u>	<u>, 1</u>	ત		
AR16	~	~					٦		
AR20	~	~				_ <u>.</u>		4	
AR25	~	~	AS13 / round milky	AS13 / square			23 / square milky	AS30	WH35
AR30	<b>/</b>	<b>/</b>	W: 1.31 in. / 33.4 mm H: 1.29 in. / 32.7 mm Inside W: 1.22 in. / 31 mm	W: 1.31 in. / 33.4 mm H: 1.37 in. / 34.8 mm Inside W: 1.22 in. / 31	mm H: 0.99 in. ,	/ 25.1 mm H: 1.5 .83 in. / 21 mm Insid	.91 in. / 23 mm 59 in. / 40.5 mm le W: 0.83 in. / 21 mm	W/H: 1.31 in. / 33.4 mm H: 1.17 in. / 29.6 mm Inside W: 1.17 in. / 29.8 mm	W: 1.37 in. / 35 mm H: 1.47 in. / 37.5 mm Inside: 1.23 in. / 31.2 mm
AR33			Inside H: 1 in. / 25.3 mm	Inside H: 1.07 in. / 27.	.3 mm Inside H: 0.	72 in. / 18.2 mm Insid	e H: 1.32 in. / 33.4 mm	Inside H: 0.93 in. / 23.6 mm	
AS1	~								
AS2	~	~			<b>1</b> 7				
AS3	~	~			/		Γ		
AS6	~	~	)C 31	15 71	<b> </b>	L	ľ		
AS10	~			<del>,                                    </del>	<b>b</b> /	[	<u> </u>		
AS13	~	~			/	<u> </u>			
AS16	~	~	AT4	AT5	AW12	AW38	B1		
AS20G	~		W: 0.77 in. / 19.6 mm H: 0.74 in. / 18.8 mm Inside W: 0.66 in. / 16.8 mm	W: 0.77 in. / 19.6 mm H: 0.74 in. / 18.8 mm Inside W: 0.66 in. / 16.8 m <sub>f</sub>	W: 0.91 in. / 23 mm H: 2.17 in. / 55 mm m Inside W: 0.56 in. / 14.2 Inside H: 0.22 in. / 5.5 m	W: 1.5 in. / 38 mm H: 1.31 in. / 33.4 mm mm Inside W: 1.22 in. / 31 mm m Inside H: 1.17 in. / 29.8 mr	W: 0.77 in / 19.6 mm H: 0.26 in / 6.5 mm Inside W: 0.69 in / 17.		
AS23	~	~	CORNER CHANNEL	-	11300 11. 0.22 11. / 3.3 11				
AS30	~	~	CORNER CHANNEL	-5					
AS53									
AT4	~	~							
AT5	~	~							
AW12	~		AC1	AC2	AC3	AC4	AC5		
AW14	~	~	W: 0.63 in. / 16 mm H: 0.63 itn. / 16 mm	W: 0.63 in. / 16 mm H: 0.63 in. / 16 mm	W: 0.74 in. / 18.8 mm H: 0.74 in. / 18.8 mm	W: 1.17 in. / 29.72 mm H: 1.17 in. / 29.72 mm	W: 1.11 in. / 28.19 mm H: 1.11 in. / 28.19 mm		
AW38	~	~	Inside W: 0.48 in. / 12.2 mm	Inside W: 0.48 in. / 12.2 mm	Inside W: 0.48 in. / 12.2 mm	Inside W: 0.8 in. / 20.32 mm	Inside W: 0.8 in. / 20.32 mm		
B1	~		RECESSED CHANN	ELS					
SC3	~								
SC4	~	~						† 1	
SC5	~	~					<u> </u>		<u>_k</u>
WH35	~	<b>/</b>	AR1	AR3	AR10	AR16	AR20	<b>AR25</b> W: 1.75 in. / 44.4 mm	AR30
			W: 0.9 in / 22.9 mm H: 0.31 in / 7.87 mm Inside W: 0.49 in / 12.5 mm	W: 12 in. / 30.5 mm It- 0.39 in. / 9.9 mm Inside W: 0.81 in. / 20.6 mm	W: 0.74 in. / 18.8 mm H: 0.47 in. / 12 mm Inside W: 0.39 in. / 10 mm Inside W: 0.39 in. / 10 mm Inside H: 0.44 in. / 11.2 mm	W: 11in / 28 mm H: 0.73 in / 186 mm Inside W: 0.65 in / 164 mm Inside H: 0.64 in / 162 mm	W: 118 in. / 30 mm H: 0.8 in. / 20.4 mm Inside W/H: 0.83 in. / 21 mm Inside H: 0.73 in. / 18.5 mm	H: 0.94 in. / 24 mm Inside W: 122 in. / 31 mm Inside H: 0.91 in. / 23 mm	W:175 in. / 44.4 mm H: 0.55 in. / 14 mm Inside W: 122 in. / 31 mm Inside H: 0.51 in. / 13 mm
DISCLAIME	R		AW14 W: 0.98 in. / 24.9 mm H: 1.31 in. / 33.4 mm Inside W: 0.58 in. / 14.8 mm Inside H: 0.63 in. / 16 mm		SC3 Overall W: 2.62 in. / 66.6 mm Visible W: 0.88 in. / 22.35 mm H: 0.55 in. / 14 mm Inside W: 0.69 in. / 17.5 mm		SC4  Overall W: 2.5 in. / 63.4 mm  Visible W: 1.31 in. / 33.4 mm  H: 0.63 in. / 15.9 mm  Inside W: 1.22 in. / 31 mm  Inside H: 0.5 in. / 12.9 mm	Visible W: H: 0.94 in. Inside W: 1	2.5 in. / 63.4 mm 1.31 in. / 33.4 mm / 24 mm .22 in. / 31 mm .83 in. / 21 mm

## DISCLAIMER

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.



### WIRING DIAGRAMS



#### WIRE COLORS PER RIBBONLYTE COLOR

STATIC WHITE SERIES 2 Red Wire (+) Positive Black Wire (-) Negative

# **ACTUAL CONSUMED POWER**

Length (ft   m)	Average Wattage (W/ft   W/m)	Actual Power Consumed (W)	Actual Current Drawn (mA)
42   12.8 (Max)	1.38   4.54	58.1	2420.8
40   12.2	1.39   4.55	55.5	2312.5
35   10.7	1.42   4.65	49.8	2075
30   9.1	1.45   4.79	43.6	1816.7
25   7.6	1.55   5.09	38.7	1612.5
20   6.1	1.63   5.33	32.5	1354.2
15   4.6	1.76   5.74	26.4	1100
10   3	1.8   6	18	750
5   1.5	1.88   6.27	9.4	391.7