GEN LED acolyte®
Architectural Lighting Solutions

Date | Project

Notes

STATIC WHITE SERIES 2 RIBBONLYTE 5.0

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.

- 5.0 W/ft (16.4 W/m)
- Create a custom fixture with our channels
- 9 white color temperatures
- 90+ CRI
- 2-Step MacAdam ellipse binning
- Closet rated (standalone or surface channels)

Applications:

Commercial	Hospitality	Residential
Entertainment	Museums	Retail
Healthcare	Public Spaces	

c UL us LISTED 317073 | CE | **RoHS** | **IP20** | **IP65*** | **IP68**

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

TITLE 24 JA8 COMPLIANT
2200K-4000K

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	**5.018** - 5.0 W/ft 1800K (IP20 Only)	**5.030** - 5.0 W/ft 3000K
		SWS265 - Static White Series 2 IP65	**5.020** - 5.0 W/ft 2000K (IP20 Only)	**5.035** - 5.0 W/ft 3500K
		(2400K, 2700K, 3000K, 3500K, 4000K, 6000K Only)	**5.022** - 5.0 W/ft 2200K (IP20 Only)	**5.040** - 5.0 W/ft 4000K
		SWS268 - Static White Series 2 IP68	**5.024** - 5.0 W/ft 2400K	**5.060** - 5.0 W/ft 6000K
		(2400K, 2700K, 3000K, 3500K, 4000K, 6000K Only)	**5.027** - 5.0 W/ft 2700K	

CONNECTION OPTIONS

1. End Feed Bare Wire Connection (**Default Option**)

2. IP67 Connector Input

3. Soldered Daisy Chain

4. Daisy Chain with IP67 Connectors

5. Bare Wire on Both Ends

Standard cable length if not specified:
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

1800K | 2000K | 2200K | 2400K | 2700K | 3000K | 3500K | 4000K | 6000K

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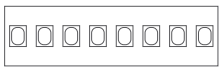
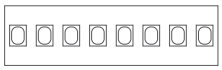
SPECIFICATIONS / DIAGRAM / USAGE GUIDELINES

	STATIC WHITE SERIES 2 RIBBONLYTE 5.0								
Operating Voltage	24 V								
Power Consumption	5.0 W/ft (16.4 W/m)								
Current (mA) - 24V	208 mA/ft (683 mA/m)								
LED Pitch	68 LEDs/ft (224 LEDs/m)								
Protection Rating	IP20, IP65, IP68 (1800K, 2000K, and 2200K are only available in IP20)								
Dimming/Control	MLV / 0-10 Volt / Lutron Hi-lume 1% dimming & Hi-lume Premier 0.1% L3D0 LED drivers / Lutron VIVE code compliance available / ELV / DALI								
Operating Temperature	-40° F to 158° F (-40° C to 70° C)								
Colors Temperatures	1800K	2000K	2200K	2400K	2700K	3000K	3500K	4000K	6000K
MacAdam's Ellipses (SDCM)	2-Step Binning								
Lumens	417 lm/ft (1367 lm/m)	488 lm/ft (1602 lm/m)	533 lm/ft (1749 lm/m)	550 lm/ft (1804 lm/m)	620 lm/ft (2034 lm/m)	670 lm/ft (2198 lm/m)	675 lm/ft (2214 lm/m)	670 lm/ft (2198 lm/m)	650 lm/ft (2132 lm/m)
Binning Tolerance	+/- 100K								
LED Beam Angle	120°								
Lamp Life	50,000 Hrs								
Cuttable Length	1.41 in (35.70 mm)								
CRI - All Color Temp.	90+ CRI								
Lumens/Watt	83 lm/W	98 lm/W	107 lm/W	110 lm/W	124 lm/W	134 lm/W	135 lm/W	134 lm/W	130 lm/W
Constant Voltage	✓								
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).								
Warranty	IP20: 6 years, IP65/68: 3 years								

24V DIMENSIONS	Top View	Side View	Dimensions
IP20	 CUTTABLE EVERY: 1.41 in (35.70 mm)		**Width** 0.39 in (10 mm) **Max Length*** 33 ft 4 in (10.1 m) **Height** 0.06 in (1.45 mm)
IP65	 CUTTABLE EVERY: 1.41 in (35.70 mm)		**Width** 0.39 in (10 mm) **Max Length*** 32 ft 8 in (10 m) **Height** 0.1 in (2.5 mm)
IP68	 CUTTABLE EVERY: 1.41 in (35.70 mm)		**Width** 0.52 in (13.21 mm) **Max Length*** 32 ft 8 in (10 m) **Height** 0.18 in (4.5 mm)

OPTIONAL ACCESSORY

0.5 in. VHB Tape	Flat Mounting Clip	Silicone Clip
Provides superior holding power in surface mounted applications Part Number: VHBTAPE0.5BK	**For mounting IP20/IP65 RibbonLyte** Part Number: RBMNTSIL	**For mounting IP68 RibbonLyte** Part Number: RBMNTSILW

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 cannot be cut in the field. All custom cuts and connections for these models must be performed at the factory to ensure waterproofing standards are met. Any modification of the waterproofing will result in a void warranty.**
- **When installing this product, consider the surface temperature of the material where it will be mounted. Many building surfaces which are exposed to direct sunlight exceed the 70° C / 158° F maximum for which our product is rated. High-risk locations like this should be avoided.**
- **IP20 RibbonLyte products are for indoor use in dry areas. IP65 RibbonLyte products can be used in indoor dry/damp locations such as bathrooms and kitchens. IP68 RibbonLyte products can be used in wet, outdoor locations around 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 the RibbonLyte Proper Usage Guide in our Application Guide for more information. Available for download at AcolyteLED.com.
- This product is 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 RibbonLyte products, 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.

CHANNEL COMPATIBILITY / CHANNEL OPTIONS

CHANNEL	IP20 IP65	IP68
AC1	✓	✓
AC2	✓	✓
AC3	✓	
AC4	✓	✓
AC5	✓	✓
AC14	✓	
AP1	✓	✓
AR1	✓	
AR2	✓	
AR3	✓	✓
AR5		
AR8		
AR10		
AR14	✓	
AR16	✓	✓
AR20	✓	✓
AR23	✓	
AR25		
AR30		
AR33		
AS1	✓	
AS2	✓	
AS3	✓	✓
AS6	✓	✓
AS10		
AS12	✓	✓
AS13		
AS14	✓	
AS16	✓	✓
AS20G	✓	
AS23	✓	✓
AS28		
AS30		
AS53		
AT4	✓	✓
AT5	✓	✓
AT11	✓	
AW10	✓	
AW12	✓	
AW14	✓	
AW35		
AW38		
AW40	✓	
B1	✓	
B2	✓	
C22	✓	✓
GL1	✓	✓
GL2	✓	✓
ROUND	✓	✓
ROUND12	✓	
ROUND20	✓	✓
SC1		
SC2		
SC3	✓	
SC4		
SC5		
SC6	✓	✓
SC-CORNER1	✓	
SC-CORNER2	✓	
ST10	✓	
W31		
WH35		

SURFACE MOUNTED CHANNELS

LENS OPTIONS: **C** - Clear **F** - Frosted **K** - Black **M** - Milky **NP** - Narrow Prismatic **WP** - Wide Prismatic **RM** - Round Milky **SM** - Square Milky

AC1
C, F, M

AC2
C, F, M

AC3
C, F, M

AC4
C, F, M

AC5
C, F, M

AC14
SM

AP1
C, K, M, SM

AS1
C, F, M

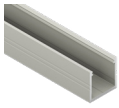
AS2
C, F, M

AS3
C, F, M

AS6
C, F, M

AS12
RM

AS14
SM



AS16
C, K, M

AS20G
G

AS23
C, K, M, SM

AT4
C, F, M

AT5
C, F, M

AT11
C, F, M

AW10
C, F, M

AW12
C, K, M, RM

AW14
C, K, M

AW40
C, F, M

B1
C, F, M

B2
RM

C22
C, F, M

GL2
C, F, M

ROUND
C, F, M

ROUND12
C, K, M

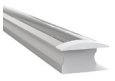
ROUND20
C, K, M

ST10
C, F, M

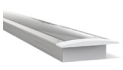
RECESSED CHANNELS

LENS OPTIONS: **C** - Clear **F** - Frosted **K** - Black **M** - Milky **NP** - Narrow Prismatic **WP** - Wide Prismatic **RM** - Round Milky **SM** - Square Milky

AR1
C, F, M



AR2
C, F, M



AR3
C, F, M

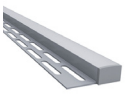
AR14
SM

AR16
C, K, M

AR20
C, K, M, SM

AR23
C, K, M

GL1
C, F, M



SC3
M

SC6
C, K, M, SM

SC-CORNER1
M

SC-CORNER2
M

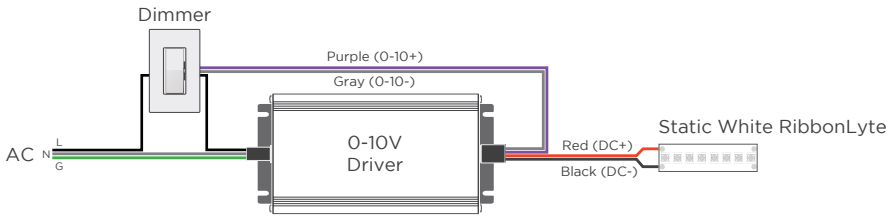
DISCLAIMER

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.

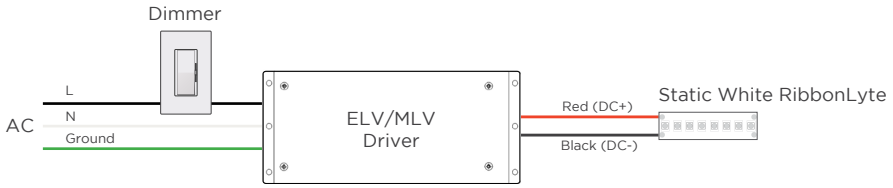
Our IP68 product is not intended to be submerged in pools and fountains and does not carry UL676 certification to do so.

WIRING DIAGRAMS

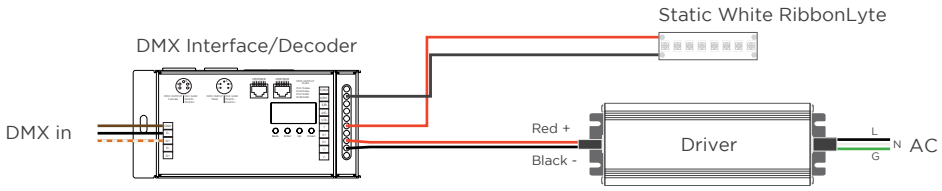
0-10V



MLV / ELV



DMX



WIRE COLORS PER RIBBONLYTE COLOR

STATIC WHITE SERIES 2

Red Wire (+) Positive

Black Wire (-) Negative