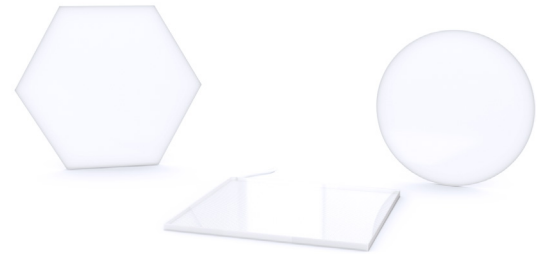


CUSTOMIZABLE BACKLYTE

Perfect for back lighting advertisements or translucent panels like onyx, stone and resin panels, our Customizable BackLytes can be cut into virtually any shape. They're lightweight with even light spread and fully customizable. Starting with a sheet of PMMA acrylic, we cut your custom shape on a CNC-controlled machine, then embed our LEDs directly into the perimeter of the panel and laminate it with a prismatic reflector, providing even surface light no matter the size.



- Manufactured to custom geometric shapes and sizes
- Static White, Static Color models are constant current
- RGB and Variable White models are 24V constant voltage and can be used with any of our 24V electronic drivers (including Lutron Hi-lume models) plus DMX control
- Thin profile: 0.52 in. (13.2 mm)
- Lightweight
- Lead time varies depending on size



Applications:

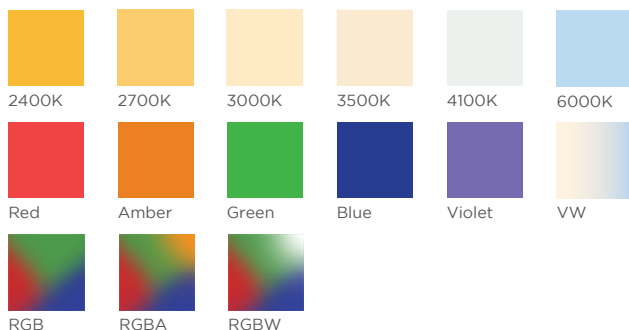
Commercial	Hospitality	Residential
Entertainment	Museums	Retail
Healthcare	Public Spaces	



ORDERING GUIDE

Category	Color Temperatures & Colors			Diffusion	Area in Square feet
RBBL					
RBBL - Customizable BackLyte	24 - 2400K	R - Red	RGB - RGB	C - Clear	Area of BackLyte in square feet
	27 - 2700K	A - Amber	RGBW - RGBW	M - Milky	
	30 - 3000K	G - Green	RGBA - RGBA		
	35 - 3500K	B - Blue	VW - VW		
	41 - 4100K	V - Violet			
	60 - 6000K				

AVAILABLE COLOR TEMPERATURES & COLORS



SPECIFICATIONS/ DIMENSIONS / ACCESSORIES/ USAGE GUIDELINES

SPECIFICATIONS	CUSTOMIZABLE BACKLYTE
Operating Voltage	Static White and Static Color Models are constant current and input depends on size. Color changing models are 24V DC input.
Power Consumption	Static White: 4 W per linear foot along the perimeter / 13 W per linear meter along the perimeter Variable White: 6 W per linear foot along the perimeter / 19.7 W per linear meter along the perimeter (all LEDs on) RGBW and RGBA: 5.5 W per linear foot along the perimeter / 18 W per linear meter along the perimeter (all LEDs on)
Protection Rating	IP20
Lumen Output	Static White: 220 lm per linear foot along the perimeter / 720 lm per linear meter along the perimeter Variable White: 240 lm per linear foot along the perimeter / 790 lm per linear meter along the perimeter (all LEDs on) RGBW: 154 lm per linear foot along the perimeter / 505 lm per linear meter along the perimeter (all LEDs on) RGBA: 82 lm per linear foot along the perimeter / 270 lm per linear meter along the perimeter (all LEDs on)
Lumens per Watt	Static White: 55 lm/W Variable White: 40 lm/W (all LEDs on) RGBW: 28 lm/W (all LEDs on) RGBA: 15 lm/W (all LEDs on)
Dimming	Static White & Static Colors: 0-10 Volt Color Changing Models: DMX
Ambient Temperature	-40° C to 70° C (-40° F to 158° F)
Color Temperatures / Colors	2400K, 2700K, 3000K, 3500K, 4100K, 6000K, RGB, RGBW, RGBA, VW, Red, Amber, Green, Blue, Violet
Lamp Life	50,000 Hours
CRI (White LEDs)	90+
Connector Types	Bare end wire, 2-conductor IP20 connectors, 5-pin IP65 connectors
Weight	2 lbs. 6.6 oz per sq ft / 1.09 kg per sq ft

DIMENSIONS CUSTOMIZABLE BACKLYTE



Thickness	0.52 in. (13.2 mm)
Length	Minimum: 0.78 in. (2 cm), Maximum: 51.2 in. (130 cm)
Width	Minimum: 0.78 in. (2 cm), Maximum: 94.5 in. (240 cm)
Border Width	0.63 in. (16 mm)

ACCESSORIES

DRIVERS
See info on page 3



PARTS AND ACCESSORIES
See Parts and Accessories Guide



CONTROLLERS
See Controllers Guide



USAGE GUIDELINES

- Use with non-Acolyte supplied drivers and interfaces is not supported or warranted.
- We reserve the right to make changes to product lineup, specifications, design and finishes at any time without notice.
- This product is frameless and is designed to be installed behind translucent products or built into a frame. Because it is a custom product and each installation is different, we do not supply mounting hardware for this product. It can be used with mirror or z-clips, or built into a custom frame.

Acolyte does not warrant or represent that this 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.

AVAILABLE DRIVERS

	0-10V 1% DIMMABLE 25W DRIVER	0-10V 1% DIMMABLE 50W DRIVER	0-10V 5% DIMMABLE 95W DRIVER
			
Part Number	DRVCC25SS277010	DRVCC50SS277010	DRVCC95SS277010
Compatible Dimming	0-10 V	0-10 V	0-10 V
Output Voltage (DC)	27 - 54 V	27 - 54 V	20 - 54 V
Output Wattage	25 W	50 W	95 W
Output Current	0.1 - 0.7 A	0.1 - 1.4 A	0.1 - 2.75 A
Input Voltage Range (VAC)	120 - 277 VAC	120 - 277 VAC	120 - 277 VAC
Input Current (A)	0.25 A (120 VAC) / 0.11 (277 VAC)	0.48 A (120 VAC) / 0.21 (277 VAC)	0.89 A (120 VAC) / 0.38 (277 VAC)
Input Frequency	50 / 60Hz	50 / 60Hz	50 / 60Hz
Max Input Power (W)	31 W	58 W	110 W
Efficiency @ Max Load	83 (120 VAC) / 85 (277 VAC)	86 (120 VAC) / 88 (277 VAC)	88 (120 VAC) / 89 (277 VAC)
Max Input Current	0.25 A	0.48 A	0.89 A
THD @ Max Load	< 10% (120 VAC) / < 15% (277 VAC)	< 10% (120 VAC) / < 15% (277 VAC)	< 10% (120 VAC) / < 15% (277 VAC)
Power Factor @ Max Load	> 0.95	> 0.95	> 0.95
Surge Protection (Combi-Wave, KV)	2.5	2.5	6
Expected Life Time	50,000 Hours (< 65° C)	50,000 Hours (< 65° C)	50,000 Hours (< 65° C)
Operating Temperature	-4° F to 122° F (-20° C to 50° C)	-4° F to 122° F (-20° C to 50° C)	-40° F to 131° F (-40° C to 55° C)
Safety Standards	UL 8750, UL991, CSA250.13-14, C22.2 No. 0.8-12, CSA Class P, ETL Class P, UL 2043 Plenum Rating	UL 8750, UL 991, CSA250.13-14, C22.2 No. 0.8-12, CSA Class P, ETL Class P, UL 2043 Plenum Rating	UL 8750, UL 1310, CSA, UL Class P
Weight	0.44 lbs (0.2 kgs)	0.9 lbs (0.41 kgs)	1.5 lbs (0.68 kgs)
Dimensions (L x W x H)	4.21 x 2.38 x 0.98 in. (107 x 60.4 x 0.98 mm)	4.21 x 3.01 x 1.18 in. (107 x 76.4 x 30 mm)	8.37 x 1.7 x 1.14 in. (212.6 x 43.2 x 29 mm)

NOTE: Driver selection depends on exact fixture size.