

SIMPLY CLEAN™ RECESSED FIXTURE SC20C

Simply Clean SC20C channel is a recessed aluminum fixture designed for mud-in installation in 90-degree corners and ceiling/wall joints. Design custom mud-in fixtures with SC20C channel and our RibbonLyte products.

- Mud-in corner fixture
- Sold by the foot. Factory or field cuttable to any length.
- Adds an element of style and design to existing spaces
- Beam angle: 69x107°
- Milky lens
- For interior applications only

HOUSING FINISHES



Silver
Standard

Black

Custom
RAL*

*Additional fee applies

AVAILABLE LENS FINISHES

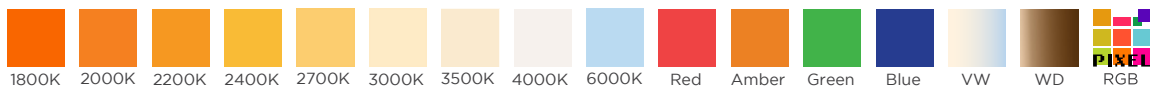


Milky Lens (PC)

78% Light Transmission

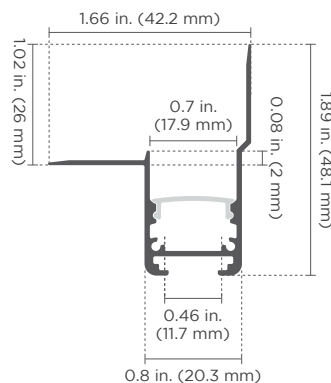
Note: Roll lens (up to 20 m) available upon request

AVAILABLE COLORS & COLOR TEMPERATURES

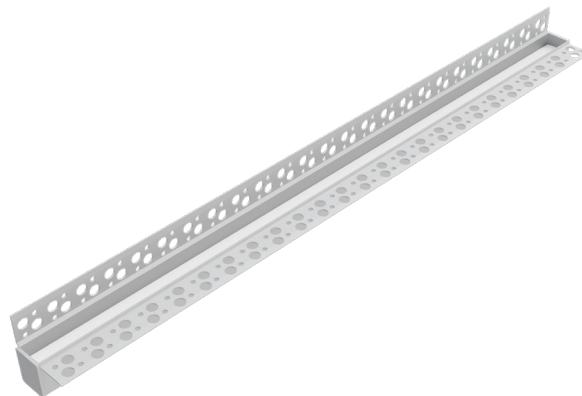


DIMENSIONS

SC20C Channel



Overall Width: 1.66 in. (42.2 mm)
Visible Width: 0.7 in. (17.9 mm)
Height: 1.89 in. (48.1 mm)
Internal Width: 0.46 in. (11.7 mm)



Note: This channel does not require mounting clips. Please see our installation guide for instructions.

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RoHS

Declare.

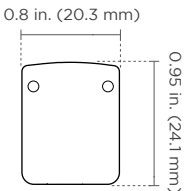
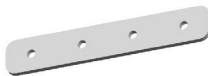
IP20



SPECIFICATIONS

Beam Angle	69x107°
Lens Type	Milky Lens (PC)
Length	Channel is sold by the foot and cut to your exact desired length
Operating Voltage	24 V
Dimming	MLV / 0-10 Volt / ELV / DALI / DMX / CASAMBI
Operating Temperature	-40 — 158 °F (-40 — 70 °C)
Colors	1800K, 2000K, 2200K, 2400K, 2700K, 3000K, 3500K, 4000K, 6000K, Red, Amber, Green, Blue, VW, Warm Dim, Pixel RGB (1800K, 2000K, 2200K, Pixel RGB only available in IP20)
CRI	90+ CRI (for Static White LEDs only)
Lamp Life	L70 at 50,000 hours
MacAdam ellipse (SDCM)	1-Step Binning (for Static White LEDs only)
Certifications	UL Listed UL 2108 Issued: 2004/02/27 Ed: 1 Rev: 2014/02/24 Low Voltage Lighting Systems CSA C22.2#9.0 Issued: 1996/06/01 Ed: 1 (R2011) General Requirements for Luminaries; with Gen. Inst. 1: 1997, Gen Inst. 2: 1998. ROHS compliant
Recessed Cutout Width	0.8 in. (20.3 mm)
Depth In Wall	0.87 in. (22.1 mm)
Length	Sold by the foot. Factory cuttable to any length. Max individual length of each piece is 78.7" (2m), but the fixture can be installed end-to-end to create long continuous recessed fixtures.
Visible Lens Width	0.7 in. / 17.9 mm

ACCESSORIES

End Cap without Hole (Part #: CHSC20CECNH) End Cap with Hole (Part #: CHSC20CECH) Material: ABS  	180° Connector (Part #: CHSC20C180) Material: stainless steel 	90° Vertical Connector (Part #: CHSC20C90) Material: stainless steel 
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STATIC WHITE SERIES 2 RIBBONLYTE SPECIFICATIONS, COMPATIBILITY & DELIVERED LUMEN OUTPUT

RibbonLyte Type	Wattage	CCT	Incremental Length	LED Pitch	Max. Length (IP20)	A Delivered Lumen at 3000K with Milky Lens (PC)		Compatibility with SC20C Channel				Diode Visibility Visible = Y Not Visible = N
						lm/ft	lm/m	IP20	IP65	IP68	IP69	
Static White Series 2	3.0 W/ft	3000K	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	36 ft (11 m)	204	668	✓	✓	✓	✓	N

Lumen Multiplier by CCT (Static White Series 2 RibbonLyte)

CCT (3.0 W/ft)	1800K	2000K	2200K	2400K	2700K	3000K	3500K	4000K	6000K
B Multiplier	0.67	0.79	0.85	0.91	0.97	1.00	1.03	1.00	1.08

A x **B** x **C** = Lumen Output

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Lumen Multiplier by Wattage (Static White Series 2 RibbonLyte)

Wattage	0.75 w/ft	1.5 w/ft	2.2 w/ft	3.0 w/ft	4.4 w/ft	5.0 w/ft	6.0 w/ft
C Multiplier	0.26	0.51	0.73	1.00	1.45	1.60	1.96

STEP 1 Complete Channel Part Number

CHANNEL	LENS	HOUSING COLOR
CHSC20C	M	
CHSC20C - Simply Clean™ SC20C Recessed Fixture	M - Milky Lens	SV - Silver (default) BK - Black Consult factory for custom colors (additional fee applies)

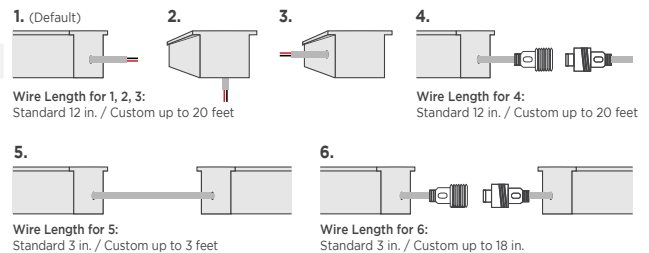
STEP 2 Complete RibbonLyte Part Number

CATEGORY	CRI	RIBBON TYPE & IP RATING		
RB				
RB - RibbonLyte	0 - Static Color, Color Changing 90 - 90+ CRI Static White	SWS220 - Static White S2 IP20 SWS265 - Static White S2 IP65 SWS268 - Static White S2 IP68 SWS269 - Static White S2 IP69 SCS220 - Static Colors S2 IP20 SWS265 - Static White S2 IP65 SWS268 - Static White S2 IP68 SWS269 - Static White S2 IP69	VWS220 - VW Series 2 IP20 VWS265 - VW Series 2 IP65 VWS268 - VW Series 2 IP68 VWS269 - VW Series 2 IP69 WD20 - Warm Dim IP20 WD65 - Warm Dim IP65 LINEA20 - Linea RibbonLyte IP20 XACTA20 - Xacta RibbonLyte IP20	RGBADD - Pixel RGB IP20
WATTAGE		COLOR		
0.75 - 0.75 W/ft (2.46 W/m - Static White, Static Color)		18 - 1800K	RGRS - Pixel RGB (SPI)	
1.0 - 1.0 W/ft (3.3 W/m - Variable White)		20 - 2000K	VW - Variable White 2000K-6500K	
1.5 - 1.5 W/ft (4.9 W/m - Static White, Static Color)		22 - 2200K	VW1833 - Variable White 1800K-3300K (IP20)	
2.2 - 2.2 W/ft (7.2 W/m - Static White, Static Color)		24 - 2400K	2920 - Warm Dim 2900K-2000K (IP20)	
2.4 - 2.4 W/ft (8 W/m - Static White Linea)		27 - 2700K	1830 - Warm Dim 3000K-1800K (IP20)	
3.0 - 3.0 W/ft (9.8 W/m - Static White, Static Color, Variable White)		30 - 3000K	2721 - Warm Dim 2700K-2100K (IP65)	
4.3 - 4.3 W/ft (14 W/m - Static White Linea)		35 - 3500K	Z - Undecided (For quotes only. Must be chosen before final order.)	
4.4 - 4.4 W/ft (14.4 W/m - Static White, Static Color)		40 - 4000K		
5.0 - 5.0 W/ft (16.4 W/m - IP20/IP65 Static White, IP20/IP65 Static Color)		60 - 6000K		
5.2 - 5.2 W/ft (17.1 W/m - Warm Dim)		R - Red		
5.5 - 5.5 W/ft (18.0 W/m - RGBW, RGBA)		A - Amber		
6.0 - 6.0 W/ft (19.7 W/m - IP20/IP65 Static White, IP20/IP65 Static Color)		G - Green		
6.1 - 6.1 W/ft (20 W/m - Variable White Linea, Pixel RGB)		B - Blue		

CONNECTION OPTIONS (See diagrams on the right)

- | | |
|------------------------------------|-------------------------------------|
| 1 - End Feed Bare Wire Connection | 4 - End Feed with IP67 Male Coupler |
| 2 - Back Feed Bare Wire Connection | 5 - Soldered Daisy Chain |
| 3 - Side Feed Bare Wire Connection | 6 - Daisy Chain With IP67 Couplers |

Custom Length (ft.)



STEP 3 Add Accessories

ACCESSORIES
CHSC20C180 - 180° Connector
CHSC20C90 - 90° Connector

AVAILABLE DRIVERS / CONTROLLERS AND DIMMING OPTIONS / WIRE GAUGE CHART

0-10V/ELV/MLV 3-IN-1	ELV	0-10V VW/WD	COMPACT
			
60W, 96W, 288W 0-10V/ELV/MLV 3-in-1 Dimmable Drivers Part No.: • DRVW2460TRI010 (60 W) • DRVW2496TRI010 (96 W) • DRVW24288TRI010 (288 W) 24 VDC 120-277 VAC IP65, dry/damp/wet locations UL Listed	60W Dimmable Driver Part No.: • DRVW2460ELV 24 VDC 100-130 VAC Fits in single-gang switch boxes IP20, dry locations UL Recognized	0-10V Dimmable 90W VW/WD Driver Part No.: • DRVRFWDVW2490120 24 VDC 100-277 VAC IP23, dry/damp locations UL Listed	60W, 96W Non-Dimming Compact Drivers Part No.: • DRV2460C (60 W) • DRV2496C (96 W) 24 VDC 120-277 VAC IP20, dry locations UL Class P

ATHENA WIRELESS COMPATIBLE	CASAMBI COMPATIBLE DRIVERS	DIMMABLE DALI-2 DRIVERS	DIMMABLE DALI-2 DRIVERS
			
94W Athena Wireless Compatible Drivers Part No.: • DRVW2494ATH1CH (1 channel) • DRVW2494ATH2CH (2 channel) 24 VDC 100-277 VAC Dry locations UL Listed	100W & 200W Casambi Compatible 4 Channel Drivers Part No.: • DRVW24100CAS4CH (100 W) • DRVW24200CAS4CH (200 W) 24 VDC 100-277 VAC IP66, dry/damp/wet locations UL Listed, CE, RoHS, Bluetooth, CASAMBI	96W DIMMABLE DALI-2 DT6 D4I & DALI-2 DT8 D4I DRIVERS Part No.: • DRVW2496DALI1CH (1 channel) • DRVW2496DALI2CH (2 channel) 24-26 VDC 120-277 VAC IP67, dry/damp/wet locations UL Listed	75W, 150W, 240W DALI-2 Dimmable Drivers Part No.: • DRVW2475DALI1CH (75 W, 1 channel) • DRVW24150DALI1CH (150 W, 1 channel) • DRVW24240DALI1CH (240 W, 1 channel) • DRVW24150DALI2CH (150 W, 2 channels) • DRVW24150DALI4CH (150 W, 4 channels) 24 VDC 120-277 VAC IP67, damp/wet locations (1-channel drivers only) IP20, dry location (2-channel & 4-channel drivers only) CE, RoHS, SELV

DMX CONTROLLERS, VARIABLE WHITE DIMMER, WARM DIM DIMMER - FOR COLOR CHANGING FIXTURES

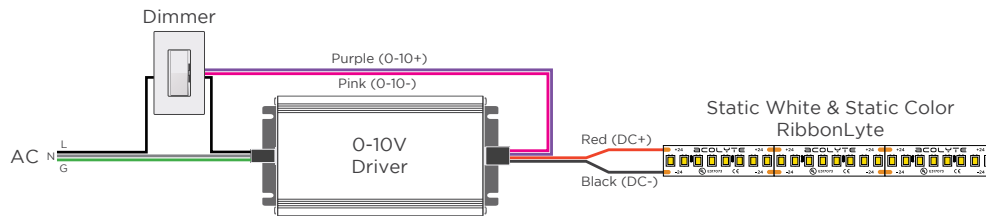
				
GLASS TOUCH WALL CONTROLLERS Part No.: • AWCRCBWWBK • AWCWBBK	1 ZONE WALL CONTROLLER Part No.: DMXCTRLG	5 ZONE WALL CONTROLLER Part No.: DMXCTRL	10 ZONE WALL CONTROLLER Part No.: DMXCTRLD	6 UNIVERSE DMX CONTROLLER Part No.: DMXCTRLDR6U
				
VARIABLE WHITE DIMMER Part No.: • RFDIMVWWH (White) • RFDIMVWBK (Black)	WARM DIM DIMMER Part No.: • RFDIMVDWH (White) • RFDIMWDBK (Black)	4 CHANNEL WATERPROOF DMX INTERFACE Part No.: DMXINFWLC4D	5 CHANNEL DMX DECODER Part No.: DMXINF5	DMX OPTO SPLITTER Part No.: DMXOS8

DRIVER AND RIBBONLYTE AT FULL LOAD

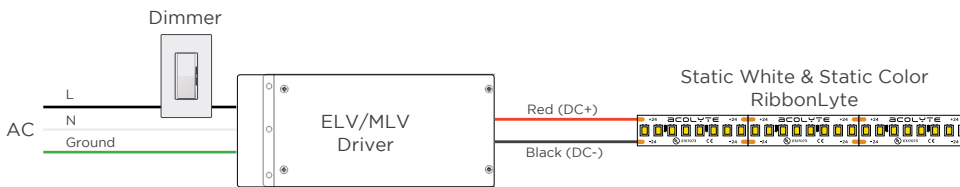
Wattages	30		60		96		150		200		240		300		320	
Wire Gauge	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters
24 AWG / 0.25 mm ²	14	4.27	9	2.74	5.5	1.68	3.75	1.14	2.75	0.84	2.25	0.69	1.75	0.53	1.75	0.53
22 AWG / 0.34 mm ²	22	6.71	14	4.27	9	2.74	5.75	1.75	4.5	1.37	3.5	1.07	2.75	0.84	2.75	0.84
20 AWG / 0.5 mm ²	35	10.67	23	7.01	14	4.27	9	2.74	7	2.13	5.75	1.75	4.5	1.37	4.25	1.30
18 AWG / 0.75 mm ²	56	17.07	37	11.28	23	7.01	15	4.57	11	3.35	9	2.74	7.5	2.29	7	2.13
16 AWG / 1.5 mm ²	90	27.44	60	18.29	37	11.28	24	7.32	18	5.49	15	4.57	12	3.66	11	3.35
14 AWG / 2.5 mm ²	142	43.29	95	28.96	59	17.99	38	11.59	28	8.54	23	7.01	19	5.79	17	5.18
12 AWG / 4 mm ²	226	68.90	151	46.04	94	28.66	60	18.29	45	13.72	37	11.28	30	9.15	28	8.54
10 AWG / 6 mm ²	360	109.76	240	73.17	150	45.73	96	29.27	72	21.95	60	18.29	48	14.63	45	13.72
8 AWG / 10 mm ²	574	175.00	381	116.16	239	72.87	153	46.65	115	35.06	95	28.96	76	23.17	71	21.65

WIRING DIAGRAMS - STATIC WHITE / STATIC COLOR

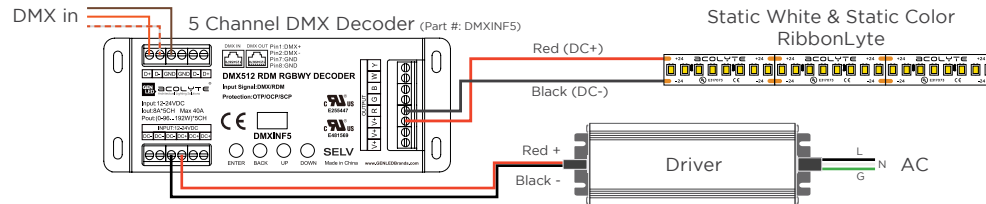
0-10 V



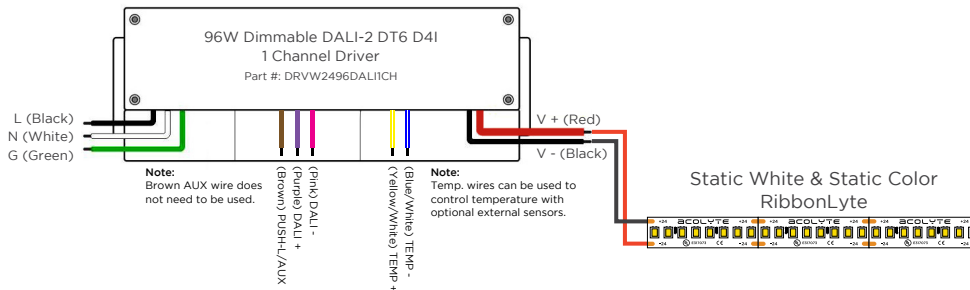
MLV / ELV



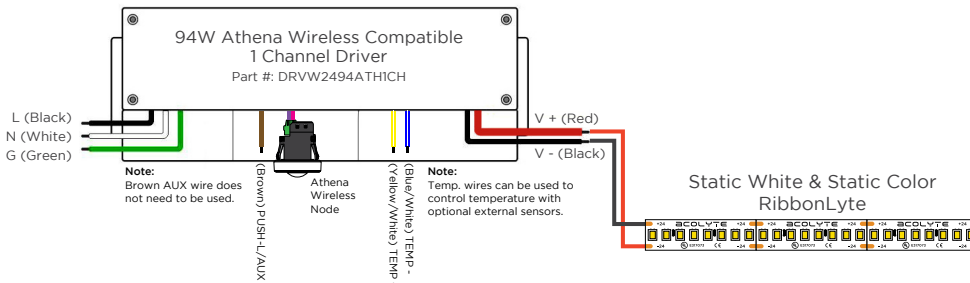
DMX WIRING WITH STATIC WHITE & STATIC COLOR RIBBONLYTE



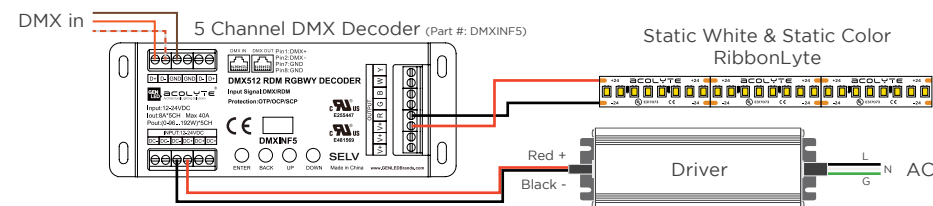
DALI-2 WIRING WITH STATIC WHITE & STATIC COLOR RIBBONLYTE



STATIC WHITE & STATIC COLOR RIBBONLYTE WIRING WITH ATHENA WIRELESS COMPATIBLE DRIVER



DMX WITH STATIC WHITE & STATIC COLOR RIBBONLYTE

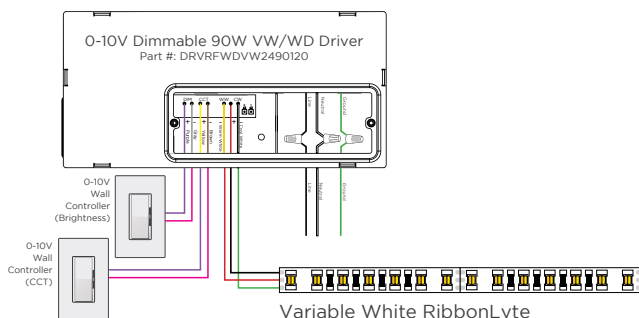


WIRE COLORS PER RIBBONLYTE COLOR

STATIC WHITE + STATIC COLOR
Red Wire (+) Positive
Black Wire (-) Negative

WIRING DIAGRAMS - VARIABLE WHITE

2-CHANNEL VARIABLE WHITE DIMMING

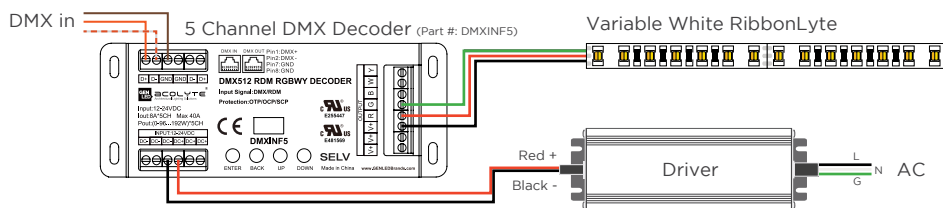


WIRE COLORS PER RIBBONLYTE COLOR

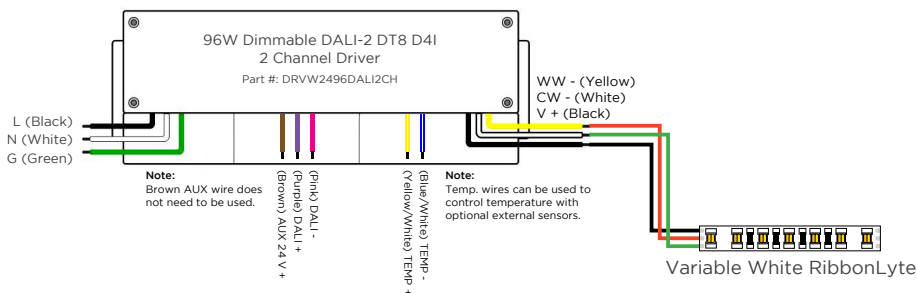
VARIABLE WHITE

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

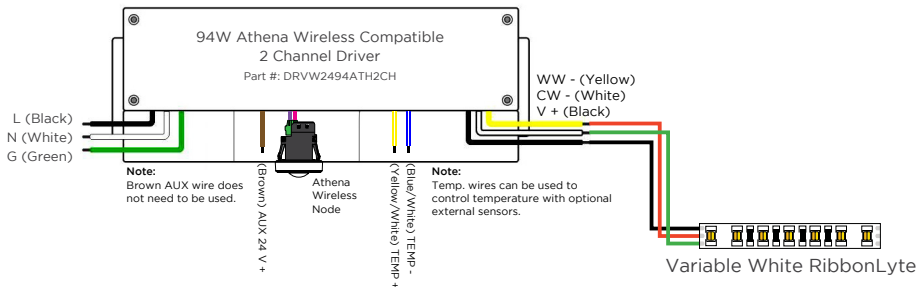
DMX WIRING WITH VARIABLE WHITE RIBBONLYTE



DALI-2 WIRING WITH VARIABLE WHITE RIBBONLYTE



VARIABLE WHITE RIBBONLYTE WIRING WITH ATHENA WIRELESS COMPATIBLE DRIVER



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