

Braq Cube® 4C & 4CA

DESIGNED BY THE BLACK TANK

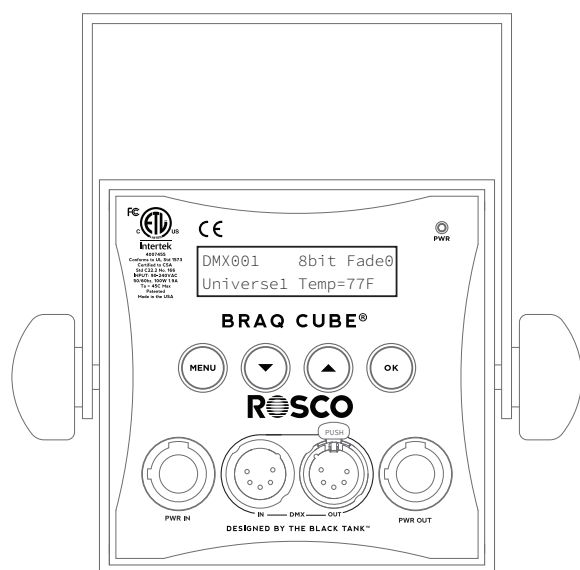


Gorgeous Palette of Colors

Braq Cube 4C and 4CA fixtures pack an unprecedented 100 watts of output into just a 5 inch cube! Despite its surprisingly small size, the Braq pushes out more than enough light to replace conventional wash lights in stage, film, broadcast and architectural applications.

The best-in-class quad-chip emitters inside the Braq Cube RGBW 4C and the RGBA 4CA produce a gorgeous palette of saturated, mid-tone and pale tint colors. Thanks to the high quality of the emitters, the 4C and 4CA can also mix an attractive, full spectrum white light in warm and cool color temperatures. The 4C excels in delivering pastel colors with an added punch, whereas the 4CA offers an expanded palette of saturated colors and rich, warm tones of full-spectrum white light.

Smart programming in the Braq Cube 4C & 4CA includes a stand-alone color wash mode and allows multiple units to be easily linked together, synchronized and off-set using self-generated DMX for color chases and other dynamic lighting patterns without a console. Use it alone, configured in strips & arrays or build it directly into the set or architecture for virtually any application needing colored light, including: stage productions, broadcast studios, bars and casinos, up-scale lobbies and retail stores.



KEY FEATURES

- RGBW 4C and the RGBA 4CA produce a broad palette of different hues, as well as an attractive, full spectrum white light in warm and cool color temperatures
- 4C & 4CA single chip optic casts fringe-free shadows
- Unique patented (US Patent No. 8,767,398) heat management system packs the most lumens into the smallest form factor
- No expensive power supply or ballasts - direct to mains power 90-240VAC 50/60 Hz
- Over 20 luminaires on a single 20A circuit
- Flicker-free dimming in 8 or 16 bit resolution
- Intuitive touch panel full-text interface for manual control
- Easily installed on standard line-voltage lighting track with optional yoke assembly, including full DMX track options
- Full assortment of spot, medium and wide lenses included
- Novel "filament mode" mimics the delayed blackout glow of incandescent fixtures

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SPECIFICATIONS

Input Voltage:	90 - 240 VAC 50/60Hz
Power Consumption:	100 Watt at maximum output
Power Input:	Neutrik Powercon input and pass-thru
LED:	7 x 12W Osram Multi-chip
Lumen Maintenance:	80,000 hours B50 L70 at 45° C (LM-79-08 Standard)
Data:	DMX 5-pin XLR out, 5-pin XLR in
Output:	4C: 1800 lumens 4CA: 1710 lumens
Color Range:	4C: Red/Green/Blue/White (6500K) 4CA: Red/Green/Blue/Amber
Operation:	DMX: 8 or 16 bit DMX512/Manual: Full Text LCD
Operating Temp.:	-13° to 113° F (-20° to 45° C)
Humidity:	0 - 95% non-condensing
Dimensions:	5 in x 5 in x 5.3 in (127 mm x 127 mm x 135 mm)
Weight:	3.5 lbs (1.6 kg)
Housing:	Powder Coated Aluminum Extrusion (1/8" wall)
Approvals:	FCC Class A Radiated and Conducted ETL / UL Standards 1573 and 8750 cETL / CSA C22.2 #166-M1983 CE / IP20 Rated



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Braq Cube® 4C & 4CA			
Item Code	Description	Item Code	Description
515 90100 1114	Braq Cube 4C - Black (no power cord)	515 90100 1140	Braq Cube 4CA - Black (no power cord)
515 90100 2114	Braq Cube 4C - White (no power cord)	515 90100 2140	Braq Cube 4CA - White (no power cord)

Braq Cube® Accessories			
Item Code	Description	Item Code	Description
515 91032 0000	Accessory Holder - Black	108BCOS1020S	OPTI-SCULPT Lens - 10°x20°
515 91032 0004	Accessory Holder - White	108BCOS1030S	OPTI-SCULPT Lens - 10°x30°
515 91032 0001	Top Hat - Black	108BCOS1060S	OPTI-SCULPT Lens - 10°x60°
515 91032 0006	Top Hat - White	108BCOS1535S	OPTI-SCULPT Lens - 15°x35°
515 91032 0002	Egg Crate Louver - Black	108BCOS1545S	OPTI-SCULPT Lens - 15°x45°
515 91032 0005	Egg Crate Louver - White	108BCOS2040S	OPTI-SCULPT Lens - 20°x40°
515 91032 0003	Barn Doors - Black	515 91015 0005	Braq/Miro Powercon Cord w/ 3-Pin Type B Edison Plug, 8-ft
515 91032 0008	Barn Doors - White	515 91017 0001	Braq Powercon Pass-Thru Cord, 8-ft
515 91023 0000	Double-Yoke - Black	515 91015 0006	Braq/Miro Powercon Cord 13A w/ 3-Pin Type G Plug, 1.5m
515 91023 0001	Double-Yoke - White	515 91015 0007	Braq/Miro Powercon Cord 15A w/ 2-Pin Type F Plug, 1.5m
10810BCOS10S	OPTI-SCUPT Lens - 10°	525 91116 0042	Braq 3 Circuit Stucchi Track Adaptor Black
10810BCOS10S	OPTI-SCUPT Lens - 20°	525 91116 0032	Braq 3 Circuit Stucchi Track Adaptor White
10810BCOS30S	OPTI-SCUPT Lens - 30°	525 91116 0019	Braq 2 Circuit Stucchi Track Adaptor Black
10810BC4060S	OPTI-SCUPT Lens - 40°R60° (reversible)	525 91116 0018	Braq 2 Circuit Stucchi Track Adaptor White
10810BCOSKIT	OPTI-SCULPT Lens Kit (20°/30°/40°R60°)		

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Specification Order Codes

Unit & LED	Finish	Cable	Mounting*	Diffusion Lens	Optical Accessory***
BRAQ-WNC - Braq Cube WNC (2700K - 6500K) BRAQ-4C - Braq Cube 4C (RGBW) BRAQ-4CA - Braq Cube 4CA (RGBA)	B - Black W - White	N - No Power Cord B - Powercon Cord w/ 3-Pin Type B Edison Plug, 8 ft. (2.5m) G - Powercon Cord 13A w/ 3-Pin Type G Plug, 5 ft. (1.5m) F - Powercon Cord 15A w/ 2-Pin Type F Plug, 5 ft. (1.5m) P - Powercon Pass-Thru Cord, 8 ft. (2.5m) for daisy-chaining	P - Pole Mount W - Wall Mount S - Surface Mount Y - Stucchi Track Adapter Z - Custom Track Adapter (Halo, Global, etc.) N - N/A (Standard yoke)	O - Braq Lens OPTI-SCULPT Kit (included with fixture: 20°/30°/40°R60°)** N - None	B - Barn Door Y - Top Hat E - Egg Crate N - None

Example:

BRAQ-4CA

B N Y O E

I.e. BRAQ-4CA-B-N-Y-O-E =

Braq Cube 4CA (RGBA) in a black finish with no power cord, Stucchi data track adapter, OPTI-SCULPT lens kit, black egg crate accessory with accessory holder.

*Rosco provided Stucchi Track Adapter and track system are from Stucchi's ONETRACK UL and are available for 120V 2-circuit or 3-circuit track. Contact Project.Management@rosco.com to order track system. Custom track adapters are not available for all styles of track.

**See accessories table on the next page for full list of available OPTI-SCULPT Lenses.

***Braq Cube Accessory Holder ships with any accessory option selected. Accessory finish will match the fixture finish.

Name: _____ Date: _____

Company Name: _____

Project: _____

PHOTOMETRICS - 4C

All LEDs On
Without Diffuser



Illuminance at a Distance

	Center Beam LUX	Beam Width	Field Width
1m	43,800	0.4m	0.2m
2m	12,925	0.8m	0.4m
3m	5,858	1.2m	0.6m
4m	3,319	1.6m	0.8m
5m	2,096	2.0m	1.1m
6m	1,458	2.4m	1.3m

Beam Angle: 12°
Field Angle: 23°

All LEDs On
With 20° Diffuser



Illuminance at a Distance

	Center Beam LUX	Beam Width	Field Width
1m	15,300	0.3m	0.6m
2m	4,273	0.6m	1.1m
3m	1,890	0.8m	1.7m
4m	1,058	1.1m	2.3m
5m	676	1.4m	2.9m
6m	473	1.7m	3.4m

Beam Angle: 16°
Field Angle: 32°

All LEDs On
With 30° Diffuser



Illuminance at a Distance

	Center Beam LUX	Beam Width	Field Width
1m	16,300	0.3m	0.6m
2m	4,468	0.6m	1.2m
3m	1,976	0.9m	1.8m
4m	1,009	1.2m	2.4m
5m	701	1.5m	3.0m
6m	491	1.8m	3.6m

Beam Angle: 17°
Field Angle: 33°

All LEDs On
With 40° Diffuser



Illuminance at a Distance

	Center Beam LUX	Beam Width	Field Width
1m	13,400	0.3m	0.6m
2m	3,705	0.6m	1.2m
3m	1,654	1.0m	1.8m
4m	944	1.3m	2.4m
5m	588	1.6m	3.1m
6m	411	1.9m	3.7m

Beam Angle: 18°
Field Angle: 34°

All LEDs On
With 60° Diffuser



Illuminance at a Distance

	Center Beam LUX	Beam Width	Field Width
1m	12,800	0.4m	0.7m
2m	3,530	0.7m	1.3m
3m	1,586	1.1m	2.0m
4m	885	1.4m	2.7m
5m	564	1.8m	3.3m
6m	396	2.1m	4.0m

Beam Angle: 20°
Field Angle: 37°

PHOTOMETRICS - 4CA

All LEDs On
Without Diffuser



Illuminance at a Distance

	Center Beam LUX	Beam Width	Field Width
1m	34,600	0.2m	0.4m
2m	10,075	0.5m	0.9m
3m	4,522	0.7m	1.3m
4m	2,551	0.9m	1.7m
5m	1,612	1.1m	2.1m
6m	1,111	1.4m	2.6m

Beam Angle: 13°
Field Angle: 24°

All LEDs On
With 20° Diffuser



Illuminance at a Distance

	Center Beam LUX	Beam Width	Field Width
1m	12,200	0.3m	0.6m
2m	3,305	0.6m	1.1m
3m	1,448	0.9m	1.7m
4m	816	1.2m	2.3m
5m	527	1.5m	2.9m
6m	361	1.8m	3.4m

Beam Angle: 17°
Field Angle: 32°

All LEDs On
With 30° Diffuser



Illuminance at a Distance

	Center Beam LUX	Beam Width	Field Width
1m	12,700	0.3m	0.6m
2m	3,478	0.6m	1.2m
3m	1,496	1.0m	1.8m
4m	852	1.3m	2.4m
5m	544	1.6m	3.1m
6m	377	1.9m	3.7m

Beam Angle: 18°
Field Angle: 34°

All LEDs On
With 40° Diffuser



Illuminance at a Distance

	Center Beam LUX	Beam Width	Field Width
1m	10,200	0.3m	0.7m
2m	2,845	0.7m	1.3m
3m	1,257	1.0m	2.0m
4m	714	1.3m	2.6m
5m	494	1.7m	3.2m
6m	308	2.0m	3.9m

Beam Angle: 19°
Field Angle: 36°

All LEDs On
With 60° Diffuser



Illuminance at a Distance

	Center Beam LUX	Beam Width	Field Width
1m	9,750	0.4m	0.7m
2m	2,689	0.7m	1.4m
3m	1,207	1.1m	2.1m
4m	675	1.5m	2.8m
5m	432	1.9m	3.5m
6m	298	2.2m	4.2m

Beam Angle: 21°
Field Angle: 39°