PICA CUBE™ 4CA
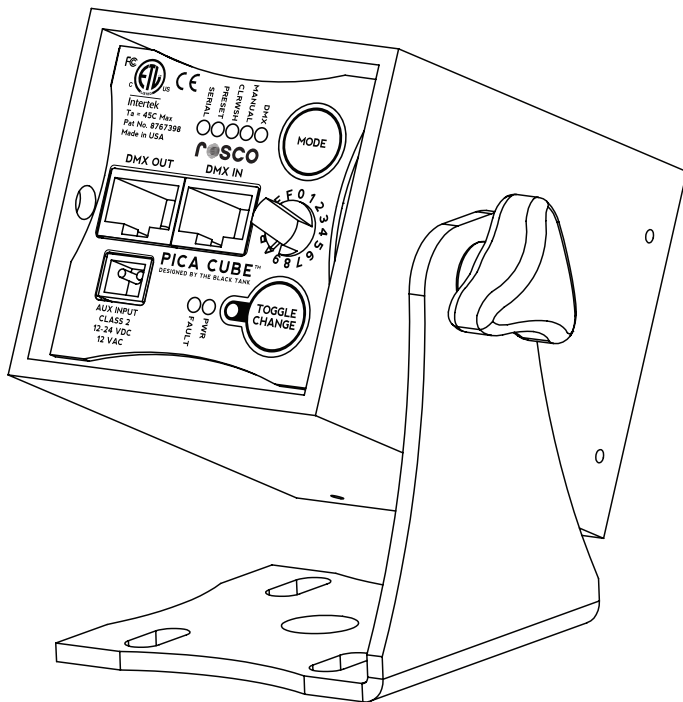## DESIGNED BY THE BLACK TANK

ROSCO

Gorgeous Palette of Colors

The Pica Cube 4CA packs an unprecedented 22-24 watts of output into just a 2.5 inch cube! The fixture is built on Black Tank's GEN2 controls and patented heat management technology which provides users amazing light quality and options for wide-ranging installations for architainment, retail, museum, cruise ship and architectural applications.

Fitted with the latest phosphor converted RGBA quad-chip emmiter the Pica Cube™ 4CA can display a gorgeous palette of saturated, mid-tone and pale tint colors that can be dialed in at the touch of a button. The single chip optic eliminates multi-colored shadows and creates a powerful, fully blended color wash wherever the designer needs it.

The Pica Cube can be powered via AC Mains (100-240VAC) using an available power-supply and controlled using standard DMX or in standalone mode via its easy-to-use on-board controls. The optional Pica Portal is capable of powering and controlling up to four Pica Cubes by providing power and data through a common Cat5 (24 AWG) cable.

Key Features

- Phosphor converted Amber
- Single chip optic with homogenizing lens features superb color uniformity and fringe-free shadows
- Unique patented (US Patent No. 8,767,398) heat management system packs the most lumens into the smallest form factor
- Variable power input from 12-24VDC enables versatile power options
- Over 90 luminaires on a single 20A circuit
- Modular design easily configures in strips and arrays for maximum versatility
- Flicker-free dimming in 8 or 16 bit resolution
- Adjustable PWM frequency (4kHz or 16kHz)
- Easily installed in many applications using CAT5 cable that carries Power + Data
- Full assortment of spot, medium and wide lenses included
- Novel "filament mode" mimics the delayed blackout glow of incandescent fixtures

PICA CUBE™ 4CA
DESIGNED BY THE BLACK TANK

SPECIFICATIONS

Input Voltage:	12-24VDC or 12VAC
Power Consumption:	22W (DC Input) or 24W (AC Input) at 100% Output
Power Input:	Power Adapter (100-240VAC In/12-24VDC Out) or CAT5 (Power +Data)
LED:	1 x 12W Osram Multi-chip RGBA
Lumen Maintenance:	80,000 hours B50 L70 at 45C (LM-79-08 Standard)
Data:	DMX, RJ45 Connectors
Output:	270 lumens
Color Range:	4.2 billion discrete mixes (256 x 256 x 256 x 256)
Operation:	DMX: 8 or 16 bit DMX512/Manual: Rotary Knob
Operating Temp.:	-13° to 113° F (-20° to 45° C)
Humidity:	0 - 95% non-condensing
Dimensions:	2.5in x 2.5in x 3.6 in (63.5mm x 63.5mm x 91mm)
Weight:	0.9 lbs (0.41 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

PICA CUBE ACCESSORIES

Top Hat
Egg Crate Louver
Barn Doors (Set of 4)
Mounting Hardware
Symmetrical Diffusers
Asymmetrical Diffusers
Wall Power Adapter
Pica Portal 125

PART NUMBERS

4CA Black:	515 90200 1040
4CA White:	515 90200 2040

WHAT'S IN THE BOX

Pica Cube
Set of Homogenizing & Spread Lenses
Requires Wall Adapter or Pica Portal for power

All LEDs On
Without Diffuser — None

Polar Candela Distribution

CD: 0 / 2,200 / 4,400 / 6,500 / 8,800
VA:0 10° 20° 30° 40° — 50° 60° 70° 80° 90°

Illuminance at a Distance

	Center Beam LUX	Beam Width
0.5m	34,944	0.1m
1.0m	8,736	0.1m
1.5m	3,883	0.2m
2.0m	2,184	0.3m
2.5m	1,398	0.3m
3.0m	971	0.4m

Beam Spread: 8°

All LEDs On
With 20° Diffuser — 20°

Polar Candela Distribution

CD: 0 / 300 / 500 / 800 / 1,100
VA:0 10° 20° 30° 40° — 50° 60° 70° 80° 90°

Illuminance at a Distance

	Center Beam LUX	Beam Width
0.5m	4,279	0.2m
1.0m	1,070	0.4m
1.5m	475	0.6m
2.0m	267	0.8m
2.5m	171	1.0m
3.0m	119	1.1m

Beam Spread: 22°

All LEDs On
With 40° Diffuser — 40°

Polar Candela Distribution

CD: 0 / 100 / 200 / 300 / 400
VA:0 10° 20° 30° 40° — 50° 60° 70° 80° 90°

Illuminance at a Distance

	Center Beam LUX	Beam Width
0.5m	1,583	0.3m
1.0m	396	0.6m
1.5m	176	0.9m
2.0m	99	1.2m
2.5m	63	1.5m
3.0m	44	1.7m

Beam Spread: 34°

All LEDs On
With 60° Diffuser — 60°

Polar Candela Distribution

CD: 0 / 82 / 164 / 246 / 328
VA:0 10° 20° 30° 40° — 50° 60° 70° 80° 90°

Illuminance at a Distance

	Center Beam LUX	Beam Width
0.5m	1,311	0.4m
1.0m	328	0.8m
1.5m	146	1.3m
2.0m	82	1.7m
2.5m	52	2.2m
3.0m	36	2.6m

Beam Spread: 48°