PICA CUBE™ WNC
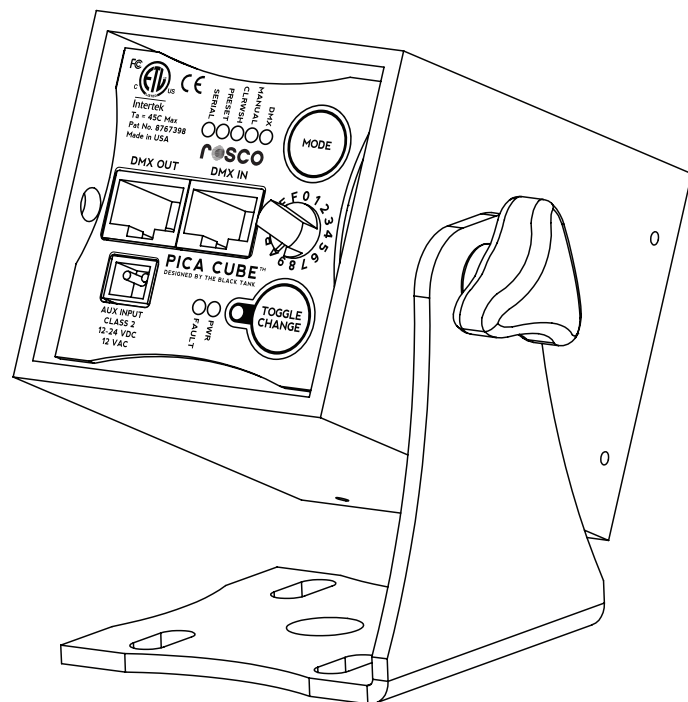## DESIGNED BY THE BLACK TANK

ROSCO

Brilliant Tunable White Light

The Pica Cube™ WNC packs an unprecedented 22-24 watts of output into a 2.5 inch cube! Utilizing Black Tank's Gen2 controls and patented heat management technology, Pica Cube WNC provides an amazing amount of high quality light for clean and simple installations for architainment, retail, cruise ship, museum, and architectural illumination applications.

Sharing the same best in class Warm, Neutral and Cool White Cree XML 4W emitters used in Pica's bigger siblings, the Miro and Braq Cubes®, the WNC is capable of generating 2700k to 6500k white light at up to 92 CRI output.

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.

The Pica Cube is also offered in an all Warm White (3W) package and an all Neutral White (3N) package.

Key Features

- Balanced assortment of warm, neutral and cool LEDs provide a bright yet versatile punch of white light
- 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 or 12VAC 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
- Intuitive on-board controls
- 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

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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:	3 X 4W Cree XM-L2 LEDs
Lumen Maintenance:	50,000 hours L50 at 45C
	100,000 hours L50 at 25C (LM-79-08 Standard)
Data:	DMX, RJ45 Connectors
Output:	1005 Lumens
Color Temperature:	WNC: 2700K - 6500K 3W: 2700K 3N: 4000K
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 (0.41kg)
Housing:	Powder Coated Aluminum Extrusion (1/8" wall)
Approvals:	FCC Class A Radiated and Conducted ETL / UL Satndards 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 & Asymmetrical Diffusers

Wall Power Adapter

Pica Portal 125

PART NUMBERS

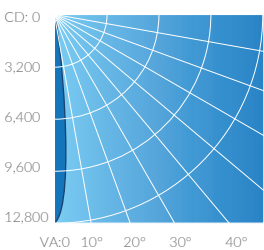|	
WNC Black:	515 90200 1020
WNC White:	515 90200 2020
3W Black:	515 90200 1021
3W White:	515 90200 2021
3N Black:	515 90200 1022
3N White:	515 90200 2022

WHAT'S IN THE BOX

Pica Cube

Set of Symmetrical Spread Lenses

Requires Wall Adapter or Pica Portal for power

All LEDs On
Without Diffuser None

Polar Candela Distribution

CD: 0, 3,200, 6,400, 9,600, 12,800
VA:0 10° 20° 30° 40°
90° 80° 70° 60° 50°

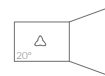#### Illuminance at a Distance

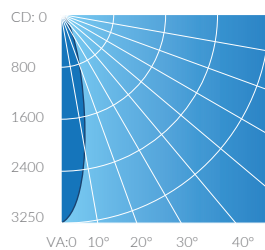|	Center Beam LUX	Beam Width
0.5m	51,210	0.1m
1.0m	12,802	0.2m
1.5m	5,690	0.3m
2.0m	3,201	0.4m
2.5m	2,048	0.6m
3.0m	1,423	0.7m

Beam Spread: 13°

All LEDs On
With 20° Diffuser 20°

Polar Candela Distribution

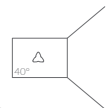CD: 0, 800, 1600, 2400, 3250
VA:0 10° 20° 30° 40°
90° 80° 70° 60° 50°

Illuminance at a Distance

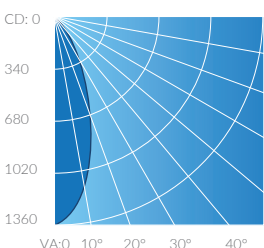|	Center Beam LUX	Beam Width
0.5m	12,987	0.2m
1.0m	3,247	0.4m
1.5m	1,443	0.7m
2.0m	812	0.9m
2.5m	520	1.1m
3.0m	361	1.3m

Beam Spread: 25°

All LEDs On
With 40° Diffuser 40°

Polar Candela Distribution

CD: 0, 340, 680, 1020, 1360
VA:0 10° 20° 30° 40°
90° 80° 70° 60° 50°

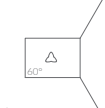#### Illuminance at a Distance

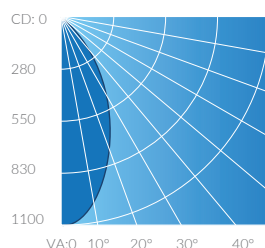|	Center Beam LUX	Beam Width
0.5m	5,440	0.3m
1.0m	1,360	0.6m
1.5m	605	1.0m
2.0m	340	1.3m
2.5m	218	1.7m
3.0m	151	2.0m

Beam Spread: 39°

All LEDs On
With 60° Diffuser 60°

Polar Candela Distribution

CD: 0, 280, 550, 830, 1100
VA:0 10° 20° 30° 40°
90° 80° 70° 60° 50°

Illuminance at a Distance

	Center Beam LUX	Beam Width
0.5m	4,427	0.4m
1.0m	1,107	0.9m
1.5m	492	1.3m
2.0m	277	1.7m
2.5m	177	2.1m
3.0m	123	2.6m

Beam Spread: 49°