Protected by US and International Patents.

The OrigamX lighting system was developed for the world's most creative Architects and most critical technical Lighting Designers to enable them to achieve the highest quality of light in the most diverse range of applications - including museums, high-end residential and retail.

The name OrigamX is a combination of Origami, the art of folding flat objects into alternate forms and structures, and "X" to highlight the technology.

OrigamX starts as a proprietary flat, flexible circuit card and is folded into a new form factor to create the most advanced LED light engine available today. Patented Hybrid Driver Circuitry provides unique DMX/RDM control features - including Ludicrous Mode, master dimmer, up to 16khz PWM, and incredibly smooth, theatrical grade dimming to 0%.

Specifiers use an online configurator to select from tunable CCT, RGBA and Fixed White, fixed or zoom optics and a range of housings and mounting options to fit their needs.

KEY FEATURES

High Output. Tiny Package
Ultra-compact, modular form factor uses Black Tank's patented heat sink to provide a superior 16 watts and extended LED lifetime in a compact 2" diameter fixture.

Satisfied LDs and Architects
Modular design allows Lighting Designers, End Users and Architects/Interior Designers to collaborate on housing, mounting and lighting specs using an online application...not complicated data sheets and long SKUs.

Ludicrous Mode
Increases brightness (up to 4x) of any color or CCT without sacrificing LED lifetime and enables tunable white light fixtures to operate at full power output at any CCT setting – eliminating the need to select a specific fixed color temperature in manufacturing.

DMX and 100% Compliant RDM
Black Tank's theatrical grade dimming technology has been used on Broadway and in critical dynamic environments around the world.

Quality of Light
Proprietary binning, integral color calibration, the highest quality optics and cutting edge solid-state zoom option provides LDs with a next-generation tool for a variety of applications.
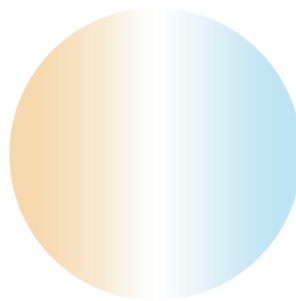
Advanced Control Options
Patented Hybrid Driver Circuitry provides unique control features - including Ludicrous Mode, master dimmer control, up to 16khz PWM,adjustable total wattage (for LEEDs compliance) and incredibly smooth, theatrical grade dimming to 0%.

Color Mixing RGBA
Color Mixing RGBA Can Effortlessly Produce 16 Million Colors

Tuneable White
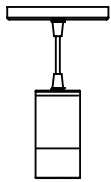Tuneable White Offers Continuous Variable Color From 2000k to 7000k - All Over 90CRI

Fixed White
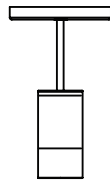Fixed White Offers a Static CCT 2000k to 7000k - All Over 90CRI

MOUNTING OPTIONS

The Medi-O fixture can be assembled with a variety of mounting options to enable the fixture's versatiliy and aesthetics to match its surroundings. We can also work with OEMs to integrate the module in existing or new fixtures and/or support your custom designs.
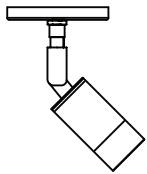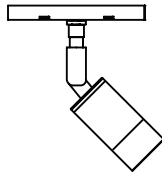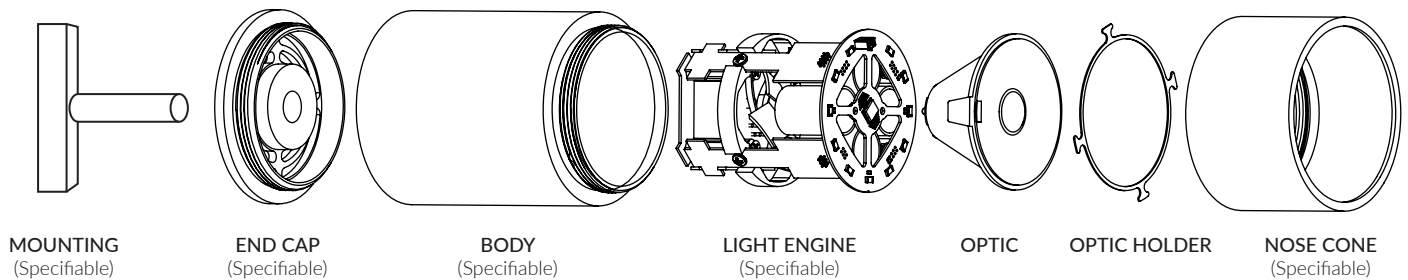
Pendant

Stem

Monopoint Knuckle

DMX/RDM Track

SPECIFICATIONS

Input Voltage:	12-24VDC
Power Consumption:	16W (DC Input) at 100% Output
Power Input:	CAT5 (Power +Data)
LED:	RGBA / Dynamic White / Fixed White
Lumen Maintenance:	80,000 Hours B50 L70 at 45C (LM-79-08 Standard)
Data:	RJ45 Connector
Color Range:	4.2 Billion discrete mixes (256 x 256 x 256 x 256)
Operation:	DMX: 8 or 16 bit DMX512
Operating Temp.:	-13° to 113° F (-20° to 45° C)
Humidity:	0 - 95% Non-condensing
Weight:	8 Oz (0.23 kg)
Approvals:	FCC Class B Radiated and Conducted
	ETL / UL Standards 2108
	cETL / CSA C22.2 No. 250.0
	UL8750 and CSA 250.13
	CE / IP20 Rated
	Photometric Data Available Online

HOW IT WORKS

MOUNTING
(Specifiable)

END CAP
(Specifiable)

BODY
(Specifiable)

LIGHT ENGINE
(Specifiable)

OPTIC

OPTIC HOLDER

NOSE CONE
(Specifiable)

DESIGNED BY THE BLACK TANK

Black Tank is an LED tech company focused on specification and theatrical grade product development. In partnership with Rosco Labs, we released the Cube Family which have been used around the world in Museums to light priceless art, critical theatrical environments such as Cirque De Soleil and on Broadway, and to replace traditional fixtures in dynamic architectural installations.

The OrigamX Light Engine is the culmination of all of our experience, 18 months of R&D along with feedback from industry leading LDs, architects and engineers.