

PRODUCTS: OPTILED ILLUMINATORS™



OPTILED ILLUMINATORS™



LED OPTILED™ ILLUMINATOR FAMILY

Smarter — dynamic, programmable color animation
Smaller — compact light sources
Brighter — brighter than illuminators twice their size

APPLICATIONS

Architectural cove and wall-wash
Neon replacement
Entertainment
Outdoor illumination

STANDARD OPTILED™

- Multi color RGB and single color lamps available
- Full spectrum of colors
- Programmable animation
- DMX control option
- Compact Design

OUTDOOR OPTILED™

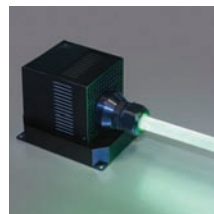
- Same functionality as standard OPTILED™
- Outdoor compliant
- Hardwired to power source

FANLESS OPTILED™

- Same functionality as standard OPTILED™ for shorter runs
- Quiet, fanless operation
- Low profile
- Outdoor and indoor versions



Standard OPTILED™



Outdoor OPTILED™



Fanless OPTILED™



OPTILED ILLUMINATORS™



STANDARD OPTILED™

IMPACT LIGHTING INC's OPTILED™ family offers a reliable compact solution for the multi-color and dynamic lighting markets. State-of-the-art solid-state lighting technology enables OPTILED™ illuminators to couple a vast array of light combinations into a variety of fiber applications. OPTILED™ save energy through the use of high efficiency bright LEDs capable of delivering light to where you need it most. OPTILED™ come in multi-color RGB and red, green, or blue configurations.

FEATURES

- High efficiency LED light source
- Dynamic, programmable color control
- Full spectrum of colors without use of color wheel
- No electricity or heat at illumination point
- Low power; compact design
- Standard 12V DC power
- DMX512 Compatible

APPLICATIONS

- Fiber illumination
- Neon light replacement
- Decorative Lighting
- Entertainment Lighting
- Task Lighting
- Machine Vision Systems
- Outdoor Illumination

SPECIFICATIONS

ABSOLUTE MAXIMUM RATING

PARAMETER	MAX RATING
DC Forward Voltage	12V (+5%)
DC Forward Current	3.3A
Operating Temperature Range	-20°C / 45°C
Storage Temperature Range	-40°C / 100°C
Fiber Diameter	14mm
Weight	280g

TYPICAL OPTICAL CHARACTERISTICS

AT Ta= 25°C

COLOR	TYPICAL CCT (°K)	FLUX (lm)	(nmD)
White	6500	700	3000
Red only	—	200	625
Green only	—	400	525
Blue only	—	100	470

CONNECTORS

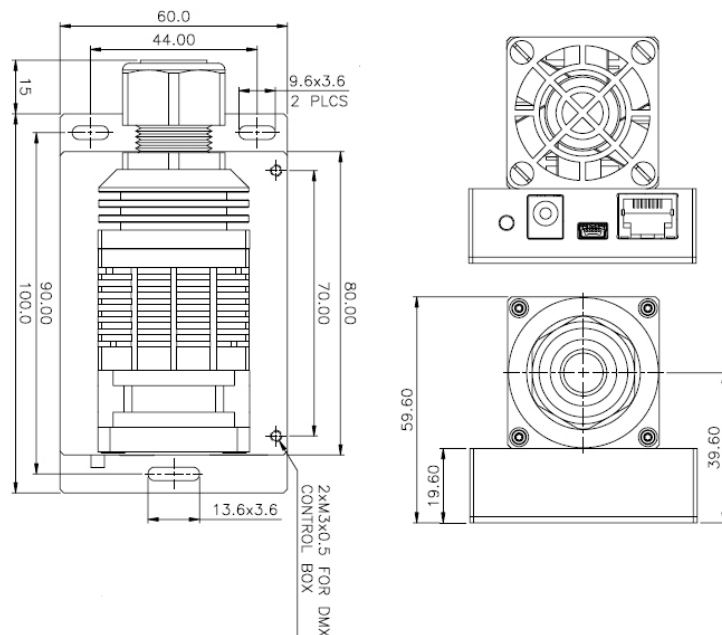
- Mini USB for programming and DMX addressing
- Built on RJ45 for DMX control
- Optional XLR adapter

MECHANICAL DIMENSIONS (NOMINAL):

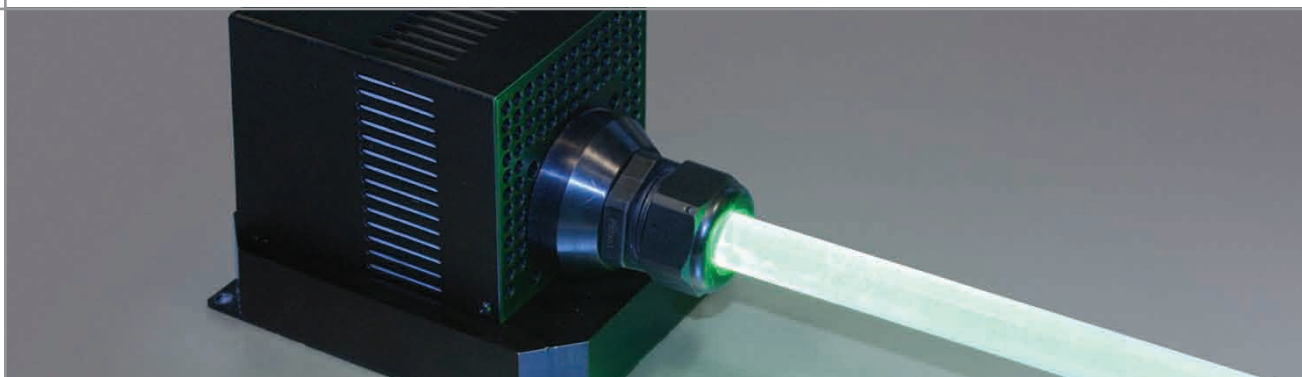
Base size: 90mm(L) x 60mm(W)

Height: 59.60mm

Full running length: 115mm



OPTILED ILLUMINATORS™



OUTDOOR OPTILED™

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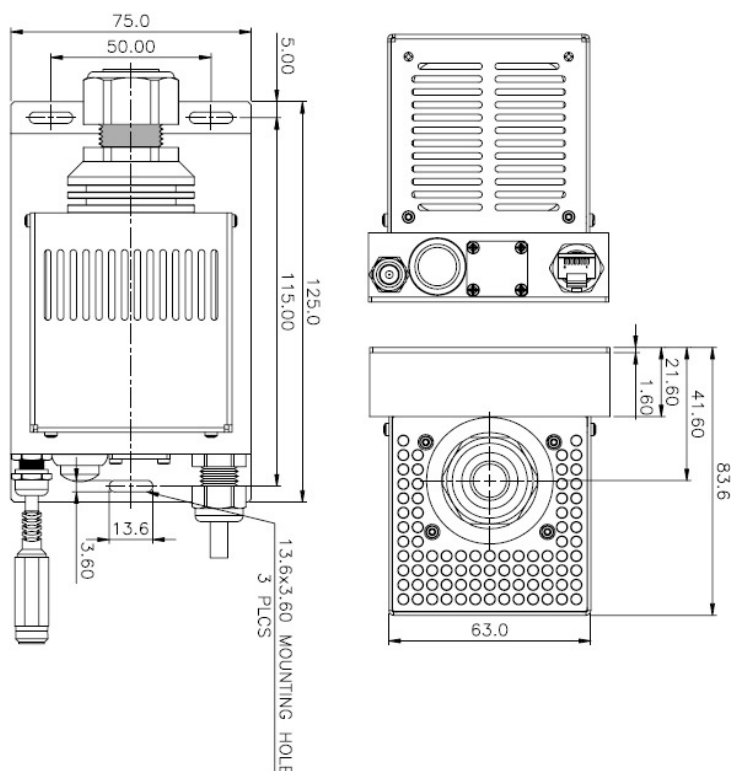
PARAMETER	MAX RATING
DC Forward Voltage	12V (+5%)
DC Forward Current	3.3A
Operating Temperature Range	-20°C / 45°C
Storage Temperature Range	-40°C / 100°C
Fiber Diameter	14mm
Weather Rating	IP56
Weight	720g

TYPICAL OPTICAL CHARACTERISTICS AT Ta= 25°C

COLOR	TYPICAL CCT (°K)	FLUX (lm)	(nmD)
White	6500	700	3000
Red only	—	200	625
Green only	—	400	525
Blue only	—	100	470

MECHANICAL DIMENSIONS (NOMINAL):

Base size: 100mm(L) x 75mm(W)
Height: 83mm
Full running length: 141.60mm



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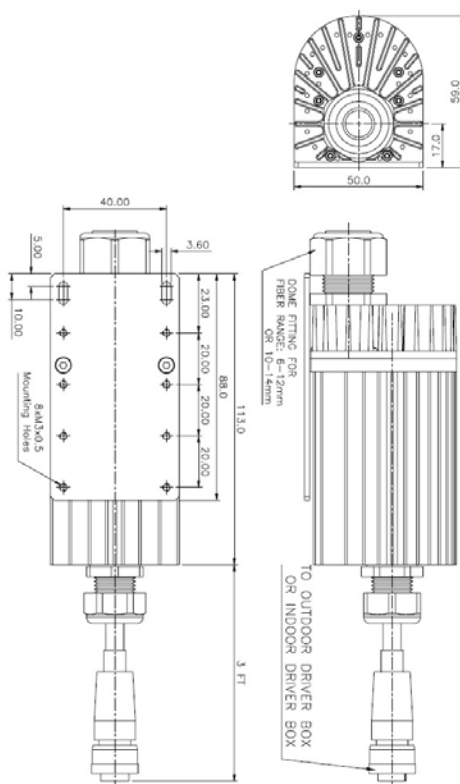
PARAMETER	MAX RATING
DC Forward Voltage	12V (+5%)
DC Forward Current	1.5A
Operating Temperature Range	-20°C / 45°C
Storage Temperature Range	-40°C / 100°C
Fiber Diameter	14mm
Weather Rating	IP68
Weight	370g

TYPICAL OPTICAL CHARACTERISTICS
AT $T_a = 25^\circ\text{C}$

COLOR	TYPICAL CCT (°K)	FLUX (lm)	(nmD)
White	6500	300	—
Red only	—	60	—
Green only	—	200	—
Blue only	—	40	—

MECHANICAL DIMENSIONS (NOMINAL):

Base size: 113mm(L) x 50mm(W)
Height: 59.00mm
Full running length: 135.00mm



CONNECTORS

- Mini USB for programming and DMX addressing
- Built on RJ45 for DMX control
- Optional XLR adapter

OPTILED ILLUMINATORS™



ORDERING INFORMATION

DEVICE TYPE

- S — Standard OPTILED™
- F — Fanless OPTILED™
- O — Outdoor OPTILED™

DEVICE COLOR

- M — Multi (RGB)
- R — Red only
- G — Green only
- B — Blue only
- W — White only

COLOR DISTRIBUTION

- 0 — Standard

ENDCAP OPTIONS

- 1 — 10mm-14mm diameter
- 2 — 10mm-14mm diameter with homogenizer
- 3 — 18-25mm diameter
- 4 — 18-25mm diameter with homogenizer

CONTROL OPTIONS

- A — Standard package
with 7 pre-programmed colors and LightMix interface
- D — DMX control

POWER / ENVIRONMENTAL OPTIONS

- 01 — With 12v power adapter (standard)
 - 02 — Without power adapter
 - 03 — Hardwired with 36" pigtail
 - EX — Outdoor model
- Custom Solutions also available.

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