

FS7L Illuminator



Specification and Submittal Sheet Details

Description The FS7L illuminator is Fiberstars' interior 183 watt quartz halogen illuminator. This illuminator is U.L. listed for damp locations. Color wheels of 4 or 8 colors create dramatic effects with continuously changing colors or remaining at one color position, as desired. Sparkle wheels provide additional special effects. The FS7L normally accommodates 300 fibers but for certain end-emitting applications like star ceilings, the FS7L can be fitted with a special 400, 450 or 600 fiber ferrule. Each illuminator comes with an optical port and a lamp.

Application The FS7L illuminator produces instant-on incandescent illumination for interior applications. Where short cycle duty, dimming or frequent switching are desired, the FS7L illuminator can be used for special effects and residential lighting applications.

Performance Actual light output levels vary with the length and type of fiber optic cable specified. For independent test lab results, please refer to the performance specification sheets.

Mounting The FS7L illuminator should be placed flat on a firm horizontal surface or vertically on a wall. The mounting location should allow a minimum 24" clearance on each side for adequate ventilation and easy access for relamping. Refer to the installation manual for detailed instructions.

Options Color changes in the illuminated fiber optic cable occur with either a 1.0 RPM or 3.6 RPM motorized dichroic color wheel. For continuous color change, the 4 color wheel rotates at 15 or 4 seconds per color and the 8 color wheel rotates at 7 or 2 seconds per color, respectively. Optional color wheel synchronization is now available. The sparkle wheel adds a luminous, sparkling effect for end-emitting applications. The FS7L can be ordered as dimmable ready to work with a standard electronic dimmer (DR) or an architectural/theatrical dimming system (DRC).

Benefits

- U.L. Listed for Damp Location
- Durable Enclosure
- Instant On/Off Capacity
- Accommodates all Fiberstars Fiber Optic Cables
- Various Fiber Capacities
- Optional Color and Sparkle Wheels
- Optional Color Wheel Synchronization
- Optional Dimmer Ready

Job Name _____

Approval _____

Date _____

Approval _____

Date _____



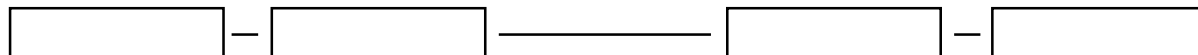
Fiberstars® Inc.

Fiber optic technology in lighting™

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FS7L Illuminator

FS7L Illuminator Ordering Guide



Model

FS7L 3000°K

Color Wheel

NC	No Colors
C1	Single Color
C4/1*	4 Colors, 1 RPM
C4/3*	4 Colors, 3.6 RPM
C8/1*	8 Colors, 1 RPM
C8/3*	8 Colors, 3.6 RPM
SPW	Sparkle Wheel (add to C4 or C8 only)
SPW/NC	Sparkle Wheel (w/ motor, 400 fiber max.)
DWD/NC	Dimming Wheel, dichroic (w/ motor, not used w/ color wheel)
DWM/NC	Dimming Wheel, mechanical (w/ motor, not used w/ color wheel)

* Colors and sequence must be specified at time of order.

Voltage

120	120 V, 60 Hz
220I	220 V, 50 Hz
230I	230 V, 50 Hz
240I	240 V, 50 Hz

Options

003	Standard 300 Fiber Capacity
004	Special 400 Fiber Capacity White light only.
005	Special 450 Fiber Capacity Star ceilings, white light only.
006	Special 600 Fiber Capacity Star ceilings, white light only.
SM	Sync Master Illuminator (C4 or C8 only) One Sync Master illuminator controls a network of Sync Slave Illuminators.
SY	Sync Slave (C4 or C8 only)
PS	Plug and switches Not avx. w/ DR or DRC options.
TBK	T-Bar Mounting Kit
DR	Dimmable Ready Standard electronic dimmer.
DRC	Dimmable Ready Architectural/theatrical.

FS7L Specifications

Construction

U.L. Listing: damp location
Case: aluminum
Optical port: die cast zinc port
Ventilation: 50 cu. ft/min. air volume
Thermal output: 625 BTU/hr.
Acoustic rating: 42 dB(A)
Weight: 5 lbs.
Mounting clearance: 24" minimum on each side
Mounting position: horizontal or vertically on a wall
Operating temperature: -10°C to +25°C
Storage temperature: -30°C to +60°C

Electrical

Power consumption: 250 Watts
Current usage: 2.0 Amps maximum

Lamp (included)

Power: 183 Watts
Type: MR16, quartz halogen
Lamp life: 700 hours average
Color temperature: 3000°K
CRI: 90
Replacement PN: HI-110

Colors

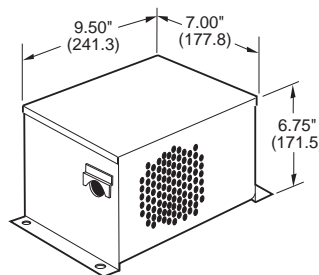
Colors for 4 or 8 color wheels: magenta, aqua, white, green, orange, medium blue, dark blue, yellow, amber, peach, incandescent, teal, purple*, light red*, dark red* (must specify colors and sequence when ordering). *Intensity of light output is greatly reduced.

Color wheel motors: 1.0 RPM or 3.6 RPM

Warranty

Limited Warranty: 1 year, excluding lamp

FS7L Dimensions and Mounting

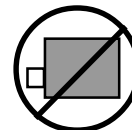
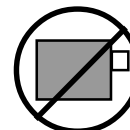
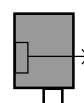
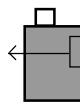


Note: add an additional 5" to length measurement for optical port.

Mount illuminators either: 1) horizontally on a flat surface, or 2) vertically on a wall (refer to diagrams).

Port to the top

Port to the bottom



Specifications subject to change without notice. R0401



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