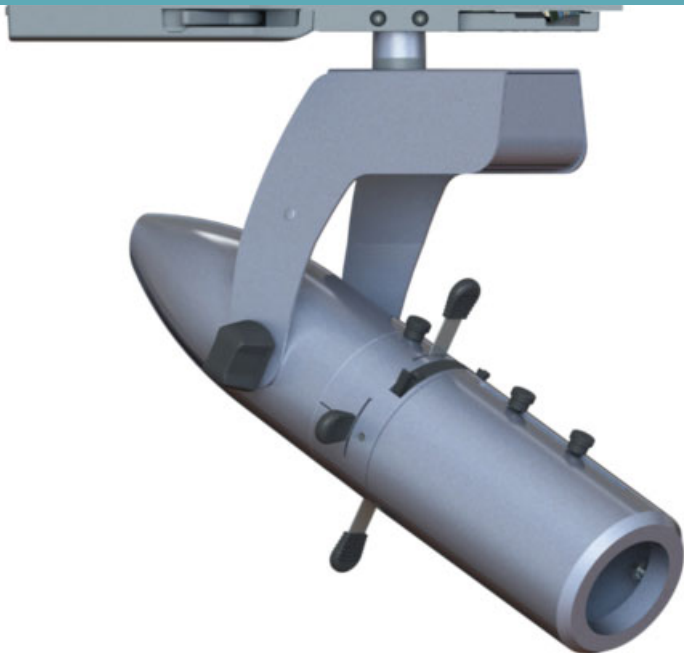


BPM • 120/277V • LED • CONTROLTrack



The miniature BPM series is a professional grade high output LED instrument with features such as 360 degree gate rotation, true "E" size gobo projection, 3 plane cool touch shutters and easily changed zoom lenses (narrow and wide).

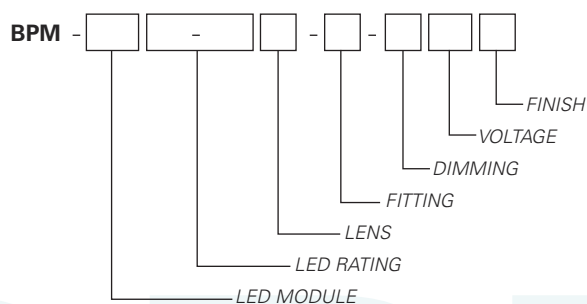
- 36,300 hour life to 70% lumen output, L70 at 95° max ambient
- Ideal for medium throw applications up to 20 feet
- Accepts industry standard, size "E" Gobo or custom projection patterns
- Fully rotatable lens barrel for easy image alignment
- Can be configured for use on 120, 230, or 277V systems
- Four cool-touch framing shutters on 3 planes for creating unlimited variations of geometric shapes, including true triangles
- Vertical and horizontal tool-less locking
- On/off safety switch (on most mounting types)
- 0-10V dimming allows for 2 zones of control on one circuit CONTROLTrack down to 0.1%, with convenient zone selection switch
- DMX compatible with dimming below 1%
- Lutron EcoSystem compatible with dimming to 0.1% (Lutron Hi-Lume Premier 0.1% EcoSystem LED Driver)
- Lutron EcoSystem features soft-on, fade to black, smooth flicker-free dimming from 0-100% (Meets IEEE 1789 for flicker)
- Integral drop-in accessory cartridge accepts dichroic color filters and accessories (Industry size E; LSI size BPM)
- Locking zoom lens produces smooth, continuous change of beam size (Choose narrow beam or wide beam lens) 20° through 60°
- Spring loaded front accessory holder for gel media
- Finishes: LSI Black, White, and Silver
- Fixture weight: 3.5 lbs.

FIXTURE PART NUMBERS

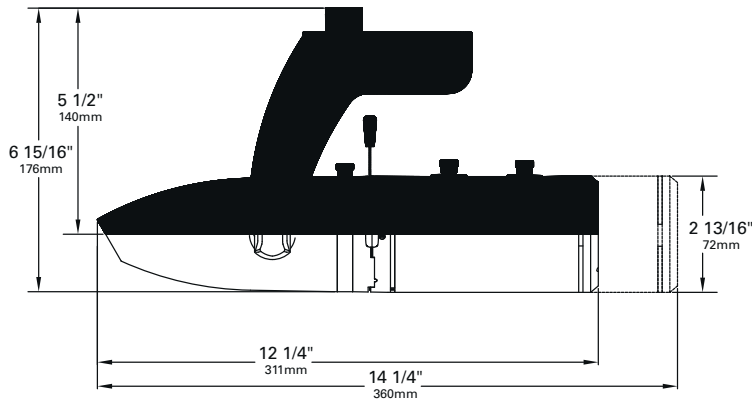
Please review the **ORDERING INFORMATION** section on the next page as well as the **MOUNTING OPTIONS** on page 3 to create a part number for each fixture that specifies the following:

- LED Module
- LED Rating
- Lens
- Fitting/Controls (Dimming)
- Voltage
- Finish

PART NUMBER



Example Part Number: **BPM-C0615-9030W-CT3-DX120W** is a fixture with a COB LED module, 1500 Lumen/90 CRI/ 3000°K Color Temperature/19 Watt LED rating, Wide Angle Lens Assembly, CT3 CONTROLTrack fitting with DMX Address knobs and DMX compatible control gear, 120V and a Black finish.

BPM • 120/277V • LED • CONTROLTrack**ACCESSORIES****LENS SYSTEMS**

Narrow Beam Lens Assembly

BPMNL range: 20°-31° Length: 14-1/4" (overall length, fixture and lens) Specify finish.

Wide Beam Lens Assembly

BPMWL range: 36°-60° Length: 12-1/4" (overall length, fixture and lens) Specify finish.

Other accessories:

- **Glass Dichroic Color Filters BPM**
- **Color and Spread Gels BPMFR**

ORDERING INFORMATION**Base Fixture Model**

- BPM-C06 (COB 6mm)

LED Rating (Lumens/CRI//Color Temperature/Wattage)

- 15-9027 = 1500/90/2700K/19
- 15-9030 = 1500/90/3000K/19
- 16-9035 = 1600/90/3500K/19
- 17-8027 = 1725/80/2700K/19
- 17-9040 = 1725/90/4000K/19
- 18-8030 = 1856/80/3000K/19
- 18-8035 = 1856/80/3500K/19
- 19-8040 = 1988/80/4000K/19

Consult factory for other color temperatures

Lens Assembly

- (N)** = Narrow Angle (20°-31°)
- (W)** = Wide Angle (36°-60°)
- (Z)** = No Lens (BPM unit with no lens)

Fitting/Controls (Dimming)

- T1-10 = CONTROLTrack Fitting & 0-10V (0.1%)
- T3-DX = CONTROLTrack Fitting & DMX (<1%)
- T5-L3 = CONTROLTrack Fitting & Lutron EcoSystem (0.1% soft on/off)

Voltage

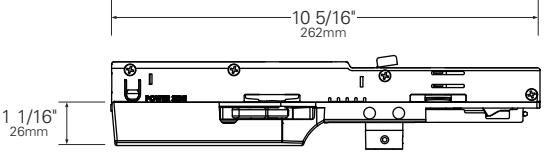
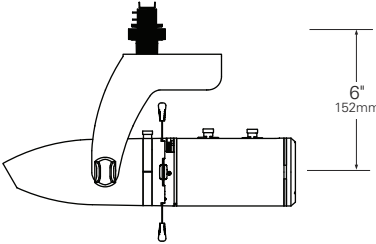
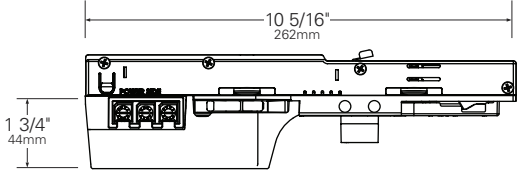
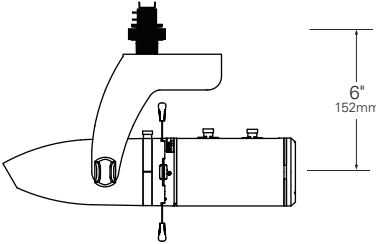
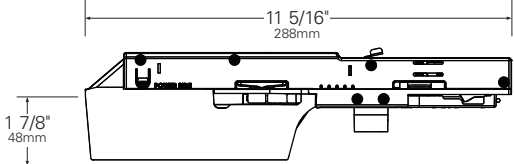
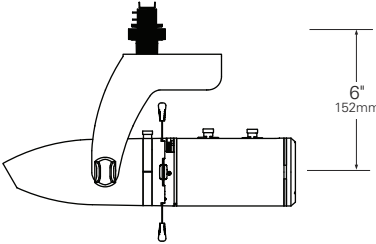
- 120 = 120V
- 230 = 220-240V
- 277 = 277V

Finish

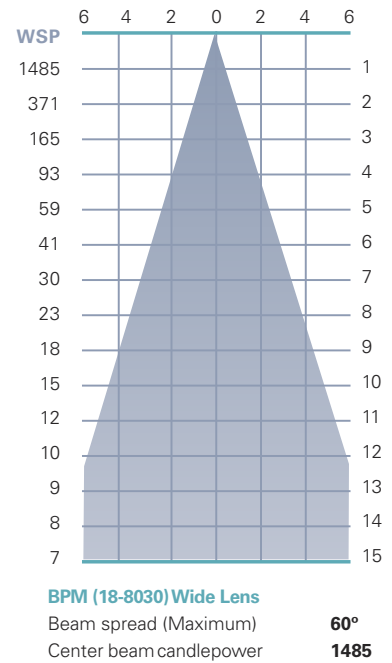
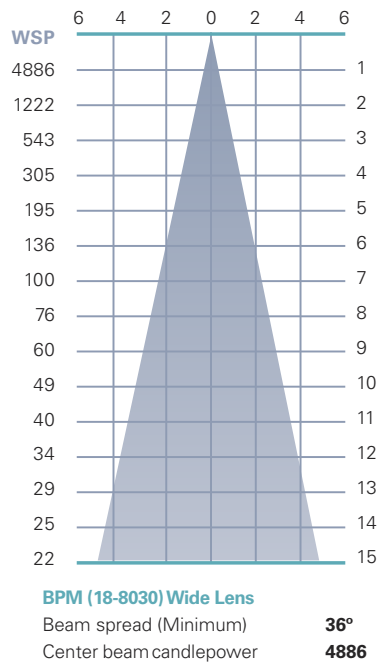
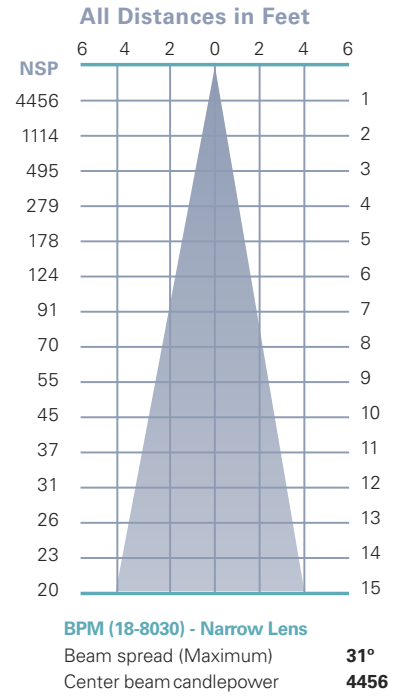
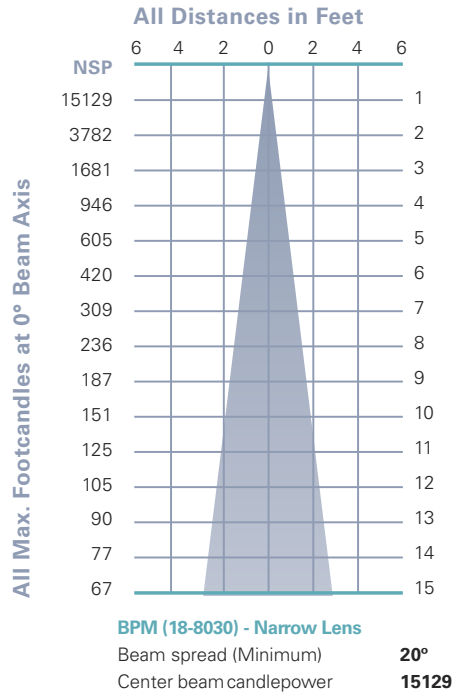
- B = Black
- W = White
- S = Silver

BPM - **C06** **15-9030** **W** - **CT3-DX** **120** **B**
FIXTURE LED MODULE LED RATING LENS FITTING/DIMMING VOLTAGE FINISH

BPM • MOUNTING OPTIONS

| FITTING | SIDE VIEW | PROFILE VIEW |
|--|--|---|
| <p>CT1 CONTROLTrack Fitting</p> |  <p>10 5/16" 262mm</p> <p>1 1/16" 26mm</p> |  <p>6" 152mm</p> |
| <p>CT3 CONTROLTrack Fitting</p> |  <p>10 5/16" 262mm</p> <p>1 3/4" 44mm</p> |  |
| <p>CT5 CONTROLTrack Fitting</p> |  <p>11 5/16" 288mm</p> <p>1 7/8" 48mm</p> |  |

BPM • PHOTOMETRIC DATA



BPM • ACCESSORIES**LENS SYSTEMS**

Narrow Beam Lens Assembly

BPMNL range: 20°-31°

Length: 14-1/4" (overall length, fixture and lens) Specify finish.

Wide Beam Lens Assembly

BPMWL range: 36°-60°

Length: 12-1/4" (overall length, fixture and lens) Specify finish.

For custom GOBOS, please contact:

ROSCO: www.rosco.com

GAM: www.gamonline.com

APOLLO: www.apollodesign.net/gobos

Size E Gobo (37.5mm OD x 28mm Image)

BPM • GELS

As the foremost innovator in accent lighting, LSI offers a complete range of pre-cut Gels to modify the spread and color of light.



BPM SPREAD GELS

| Size: BPMFR | Spread Gel |
|------------------|------------------------|
| GEL-L1-BPMFR | 1° Spread Gel |
| GEL-L5-BPMFR | 5° Spread Gel |
| GEL-L10-BPMFR | 10° Spread Gel |
| GEL-L20-BPMFR | 20° Spread Gel |
| GEL-L30-BPMFR | 30° Spread Gel |
| GEL-L40-BPMFR | 40° Spread Gel |
| GEL-L60-BPMFR | 60° Spread Gel |
| GEL-L80-BPMFR | 80° Spread Gel |
| GEL-L30B5-BPMFR | 30° by 5° Spread Gel |
| GEL-L40B2-BPMFR | 40° by 0.2° Spread Gel |
| GEL-L60B1-BPMFR | 60° by 1° Spread Gel |
| GEL-L60B10-BPMFR | 60° by 10° Spread Gel |
| GEL-L75B45-BPMFR | 75° by 45° Spread Gel |
| GEL-L90B60-BPMFR | 90° by 60° Spread Gel |
| GEL-R101-BPMFR | Beam Softener |

BPM COLOR GELS

| Size: BPMFR | Gel Color | % of Light Transmission | Size: BPMFR | Gel Color | % of Light Transmission |
|----------------|-------------------|-------------------------|-----------------|---|-------------------------|
| GEL-R2-BPMFR | Bastard Amber | 78 | GEL-R312-BPMFR | Canary | 85 |
| GEL-R7-BPMFR | Pale Yellow | 96 | GEL-R331-BPMFR | Shell Pink | 68 |
| GEL-R12-BPMFR | Straw | 88 | GEL-R383-BPMFR | Sapphire Blue | 4 |
| GEL-R13-BPMFR | Straw Tint | 78 | GEL-R397-BPMFR | Pale Grey | 70 |
| GEL-R14-BPMFR | Medium Straw | 68 | GEL-R2001-BPMFR | Storaro Red | 12 |
| GEL-R21-BPMFR | Golden Amber | 43 | GEL-R2004-BPMFR | Storaro Green | 15 |
| GEL-R25-BPMFR | Orange Red | 14 | GEL-R2009-BPMFR | Storaro Violet | 3 |
| GEL-R26-BPMFR | Light Red | 12 | GEL-R3202-BPMFR | Full Blue | 36 |
| GEL-R27-BPMFR | Medium Red | 4 | GEL-R3204-BPMFR | Half Blue | 52 |
| GEL-R57-BPMFR | Lavender | 24 | GEL-R3206-BPMFR | Third Blue | 64 |
| GEL-R62-BPMFR | Booster Blue | 54 | GEL-R3216-BPMFR | Eighth Blue (Boosts 3200K to 3300K) | 81 |
| GEL-R71-BPMFR | Sea Blue | 30 | GEL-R3318-BPMFR | Tough 1/8 Minusgreen | 89 |
| GEL-R72-BPMFR | Azure Blue | 44 | GEL-R3410-BPMFR | RoscoSun (1/8 CTO) (Reduces 5500K to 4900K) | 92 |
| GEL-R91-BPMFR | Primary Green | 7 | GEL-R3441-BPMFR | Full Straw (CTS) | 50 |
| GEL-R97-BPMFR | Light Grey | 50 | GEL-R3443-BPMFR | Quarter Straw (CTS) | 81 |
| GEL-R98-BPMFR | Medium Grey | 25 | GEL-R4330-BPMFR | CalColor 30 Cyan | 63 |
| GEL-R101-BPMFR | Light Frost | N/A | GEL-R4415-BPMFR | CalColor 15 Green | 67 |
| GEL-R104-BPMFR | Tough Silk | N/A | GEL-R4490-BPMFR | CalColor 90 Green | 25 |
| GEL-R119-BPMFR | Lt. Hamburg Frost | N/A | GEL-R4860-BPMFR | CalColor 60 Pink | 46 |
| GEL-R121-BPMFR | Blue Diffusion | N/A | GEL-R4890-BPMFR | CalColor 90 Pink | 38 |
| GEL-R305-BPMFR | Rose Gold | 75 | GEL-R4930-BPMFR | CalColor 30 Lavender | 47 |

LSI ROSCO GEL CCT CONVERSION CHART FROM 3000K

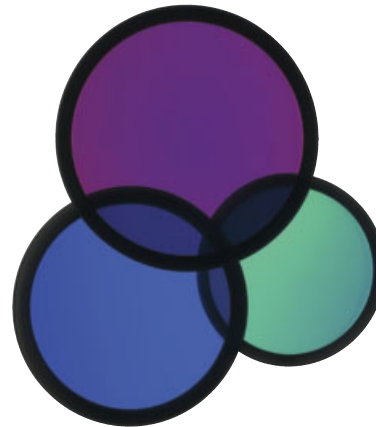
| Type | ROSCO # | ROSCO Description | Resulting CCT |
|----------------------------|---------|--------------------|---------------|
| Amber Filters Lower CCT | 3420 | Double CTO | 1531 |
| | 3407 | Sun CTO | 1999 |
| | 3401 | Sun 85 | 2154 |
| | 3411 | Sun 3/4 CTO | 2154 |
| | 3408 | Sun 1/2 CTO | 2414 |
| | 3409 | Sun 1/4 CTO | 2664 |
| | 3410 | Sun 1/8 CTO | 2830 |
| | 3114 | UV Filter | 2930 |
| Blue Filters Raise CCT | 3220 | Double Blue | N/A |
| | 3202 | Full Blue | 4942 |
| | 3203 | Three-Quarter Blue | 4286 |
| | 3204 | Half Blue | 3769 |
| | 3206 | Third Blue | 3517 |
| | 3208 | Quarter Blue | 3297 |
| | 3216 | Eighth Blue | 3112 |

COLOR MEDIA

DICHROIC COLOR FILTERS

In addition to our complete line of glass color filters, LSI now offers dichroic glass color filters that achieve purer, more saturated, richer color by selective wavelength transmission. Since these filters reflect rather than absorb the unwanted color wavelengths, a higher intensity of colored light can be obtained with fewer or lower wattage fixtures. In addition, this selective transmission allows for very accurate color matching from filter to filter.

All standard LSI filter sizes are available in a wide palette of well chosen dichroic colors that can be used with all LSI fixtures that accept accessories.



| Size | Diameter | LSI Fixture Series | Technical Data | No. | Color | % of Light Transmission |
|--------------------------|--------------------|--------------------|--|-------------|--------------------|-------------------------|
| BPM (Industry size E) | 37.5mm (1 1/2") | BPM | <p>Dichroic color filters are created in a vacuum chamber by multi-layer vapor deposits of different minerals onto low expansion, chemically resistant Borosilicate glass.</p> <p>Deposits are made in alternating layers of varying microscopic thickness which allow very narrow color wavelengths to be selectively transmitted and all other wavelengths to be reflected.</p> <p>LSI does not recommend using dichroic color filters with lamps or fixtures that have beam spreads greater than 40° because a secondary color aura is created by the wide angular transmitted wavelengths that are different than the desired color wavelength.</p> <p>Since there is mainly transmission and reflection of the color wavelengths by the dichroic filter and very little absorption, the dichroic filter can be used with many high temperature lights that normally would not accept color filters.</p> | | | |
| | | | | 2001 | Light Pink | 69 |
| | | | | 2002 | Medium Pink | 43 |
| | | | | 2003 | Hot Pink | 11 |
| | | | | 2004 | Pale Pink | 55 |
| | | | | 2010 | Deep Magenta | 29 |
| | | | | 2011 | Lavender | 24 |
| | | | | 2012 | Vivid Magenta | 31 |
| | | | | 2013 | Lavender Accent | 48 |
| | | | | 2014 | Lilac | 37 |
| | | | | 2015 | Purple Fusion | 12 |
| | | | | 2020 | Sky Blue | 39 |
| | | | | 2021 | Sea Blue | 39 |
| | | | | 2022 | Cyan | 33 |
| | | | | 2023 | Light Blue Green | 30 |
| | | | | 2024 | Primary Blue | 24 |
| | | | | 2025 | Medium Red Blue | 15 |
| | | | | 2026 | Deep Purple | 16 |
| | | | | 2027 | Peacock Blue | 53 |
| | | | | 2028 | Mediterranean Blue | 20 |
| | | | | 2029 | Boost Blue | 51 |
| | | | | 2040 | Light Yellow Green | 64 |
| | | | | 2041 | Fern Green | 47 |
| | | | | 2042 | Turquoise | 35 |
| | | | | 2043 | Primary Green | 31 |
| | | | | 2044 | Industrial Green | 64 |
| | | | | 2050 | Yellow | 80 |
| | | | | 2051 | Amber | 71 |
| | | | | 2052 | Amber Blush | 38 |
| | | | | 2053 | Bastard Amber | 71 |
| | | | | 2054 | Goldenrod | 63 |
| | | | | 2055 | Bright Straw | 56 |
| | | | | 2060 | Medium Orange | 51 |
| | | | | 2061 | Orange | 44 |
| | | | | 2070 | Flame Red | 27 |
| | | | | 2071 | Primary Red | 25 |