

LUMeLEX® 2030 SERIES • 120V/277V • XICATO • 19MM • CONTROL



Shown with optional
Cross Baffle accessory

These LED Cylinder units offer high functionality in LSI's smallest, sleekest package.

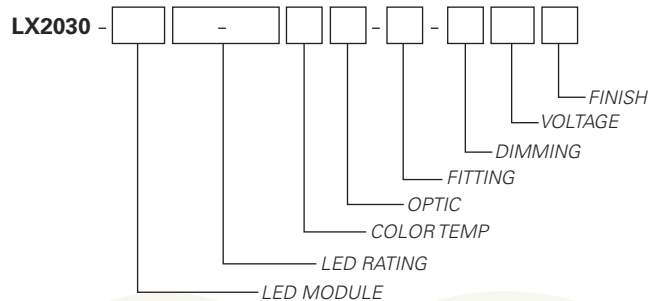
- Designed for the most versatile Xicato XTM 19mm LED module up to 14 Watts
- Extremely tight color consistency (less than 2 MacAdam Ellipses)
- System efficiency up to 50 lumens/watt
- 50,000 hour life to 70% lumen output, L70 at 95°F max ambient
- Field interchangeable optics (15° – 40°) modify the beam spread distribution
- Choice of color temperature
- Color Rendering Index (CRI) of either 98 (high) or 83 (standard)
- Choice of lumen outputs (delivered lumens)
- Tested to LM79 and LM80 Protocols, TM-30 available
- 0-10V dimming allows for 2 zones of control on one circuit CONTROLTrack down to 10%
- Accessory holder accepts up to two size-AAA LSI filters and accessories
- Self and wrench locking stem for vertical and horizontal focusing
- Sturdy die-cast aluminum housing
- No UV or IR emissions; no mercury or lead
- On/off safety switch (on OE track fitting)
- Finishes: LSI Black, White, and Silver
- Fixture weight: 2 lbs
- All modules are field replaceable

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:

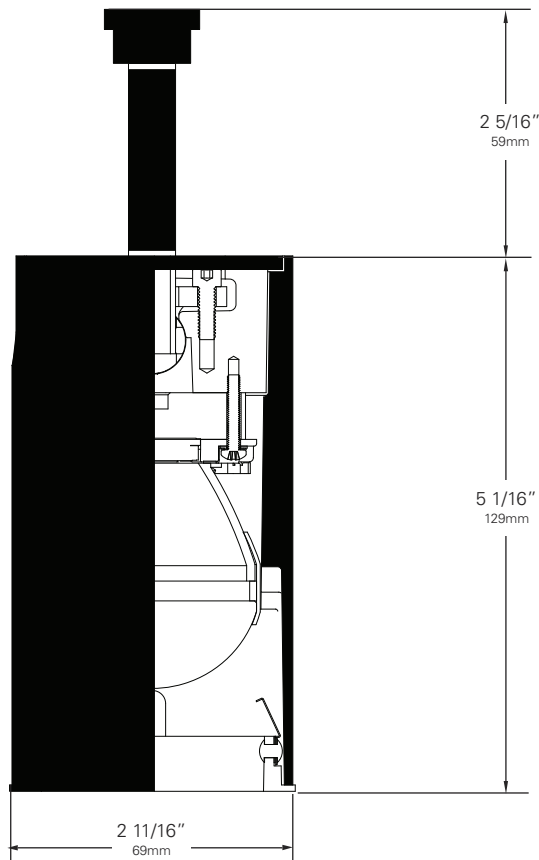
- LED Module
- LED Rating
- Color Temperature
- Optic - mm/beam spread
- Dimming
- Voltage
- Finish

PART NUMBER



Example Part Number: **LX2030-T1910-9830S1-CT2-10120W** is a fixture with a Xicato 19mm LED module, 1050 Lumen/98 CRI/13 Watt LED rating, 3000°K Color Temperature, 50mm 15° Optic, CT2 CONTROLTrack fitting with 0-10V compatible control gear, 120V and a White finish.

LUMELX® 2030 SERIES • 120V/277V • XICATO • 19MM • CONTROL



XTM 19MM ORDERING INFORMATION (EXTERNAL SYSTEM DIMMING)

Base Fixture Model

LX2030-T19 (XTM 19mm)

LED Rating (Lumens/CRI/Wattage)

10-98 = 1050/98/13

15-83 = 1500/83/14

Color Temperature

27= 2700K

30= 3000K

35= 3500K

40= 4000K

Optic

S1 = 50mm/ 15°

S4 = 50mm/ 40°

Fitting/Controls (Dimming)

CT2-10 = CONTROLTrack Fitting & 0-10V (10%)

Voltage

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

Finish

B = Black W = White S = Silver

Example Part Number:

LX2030-T19 **10-98** **30** **S1 - CT2-10** **120** **W**
FIXTURE MODEL LED RATING COLOR TEMP OPTIC FITTING/DIMMING VOLTAGE FINISH

Other Options (Consult Factory):

- Custom Stems, specify length (4" - 48")
- Custom Finish, RAL palette

Color Temperature & Center Point Tolerance

| Color Temp | Center Point | Tolerance |
|------------|--------------|-----------|
| 2700K | 2700K | +/- 40K |
| 3000K | 2950K | +/- 50K |
| 3500K | 3420K | +/- 60K |
| 4000K | 4000K | +/- 70K |

Chromaticity Specifications

| LED | R _a -CRI | R _f -Fidelity | R _g -Gamut Area |
|--------------|---------------------|--------------------------|----------------------------|
| T19-TS9 - 83 | 83 | 78 | 101 |
| T19-TS9 - 98 | 98 | 96 | 103 |

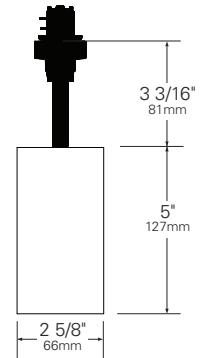
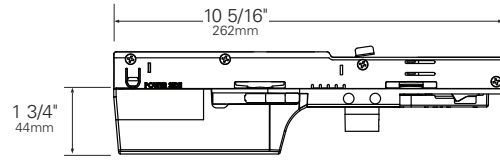
LUMeLEX[®] 2030 • XICATO 19MM MOUNTING OPTIONS • CONTROL

FITTING

SIDE VIEW

STEM LENGTH VIEW

**CT2 CONTROLTrack
Fitting**



LUMELX® 2030 · XICATO 19MM PERFORMANCE

The performance characteristics of the LumeLEX family of products can be customized based on the LED module and the optic (reflector) selected.

Each available LED module is defined by four characteristics – the color rendering index (CRI), the correlated color temperature (CCT), the power that it uses (watts), and its “available lumens.” Note that available lumens is a theoretical value that represents the light output of the module on its own – no fixture or optic attached.

In the LSI part number, the LED module is specified with a range of numbers that immediately follow the product series number. For example, in the part number LX2030-T1915-8327S1-0E-TE120B, the “**T1915-8327**” represents an LED module with an output of 1500 lumens, a CRI of 83, a power usage of 14 watts and a color temperature of 2700K.

The available optics (reflectors) are characterized by size, beam angle, and in some cases the characteristics of the field angle (narrow or wide).

The optic is specified by the two characters that follow the LED designation in the part number. For example, the “**S1**” in LX2030-T1915-8327S1-0E-TE120B is a 50mm diameter optic that has a 15-Degree beam.

Additional parameters, such as Center Beam Candle Power (CBCP), Delivered Lumens, and Efficiency (Lumens per Watt) are all shown in a table that is organized by LED module and optic combination.

| CBCP = Center Beam Candle Power | | |
|---------------------------------|-------------------|-------|
| LED Rating | Optic (Reflector) | |
| Lumens/CRI/Wattage | S1 | S4 |
| 1050/98/13 | 3,014 | 1,691 |
| 1500/83/14 | 4,276 | 2,399 |

| Delivered Lumens | | |
|--------------------|-------------------|-----|
| LED Rating | Optic (Reflector) | |
| Lumens/CRI/Wattage | S1 | S4 |
| 1050/98/13 | 326 | 494 |
| 1500/83/14 | 462 | 700 |

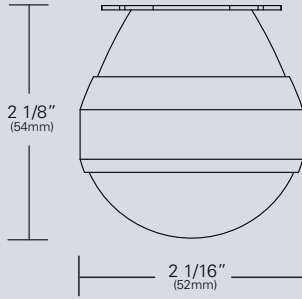
| Efficiency = Lumens Per Watt | | |
|------------------------------|-------------------|----|
| LED Rating | Optic (Reflector) | |
| Lumens/CRI/Wattage | S1 | S4 |
| 1050/98/13 | 25 | 38 |
| 1500/83/14 | 33 | 50 |

Absolute range of values are +/- 10% of typical value, and are for all color temperatures

| LED Rating Lumens/CRI/Wattage SKU Code | 1050/98/13 10-98 | 1500/83/14 15-83 |
|----------------------------------------------|---------------------|---------------------|
| Nominal Fixture Power (+/- 20%), Watts | 13 | 14 |
| Maximum Inrush Current Amps | 10 | 10 |
| Minimum Power Factor | 0.90 | 0.90 |

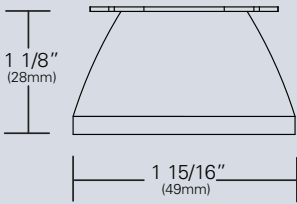
Inrush current is instantaneous current drawn by the LED only when fixture is initially powered on or instantaneously changed from full dim to full bright. For more details see Dimming Application Sheet, IS-0119.

LUMELX[®] 2030 • XICATO 19MM OPTICS



LX-S15-REF-B (S1) **(50mm/15°)**

Anti-reflective coated aspheric lens. Tool-less, twist and lock installation. Black Finish.



LX-S40-REF-CLR (S4) **(49mm/40°)**

Computer designed polycarbonate specular optic. Tool-less, twist and lock installation. Aluminized Finish.

LUMELX® 2030 · XICATO 19MM PHOTOMETRIC DATA

LED RATING: 15-83

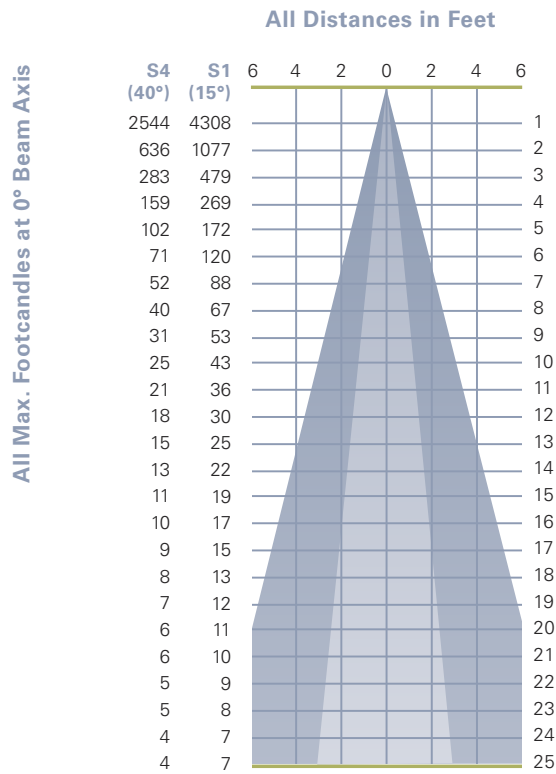
External System Dimming

S1-50mm DIA Optic

Beam Spread (minimum) **15°**
 Center Beam Candlepower **4308**
 CRI **83**

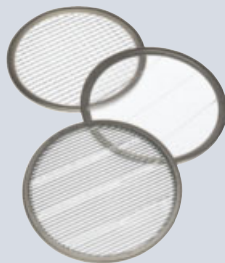
S4-49mm DIA Optic

Beam Spread (minimum) **40°**
 Center Beam Candlepower **2544**
 CRI **83**



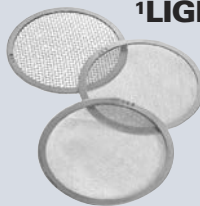
Photometric Data based on LED Rating: 15-83 (1500 Lumens/83CRI/14watts)

LUMELX® 2030 • ACCESSORIES



SPREAD LENSES AND BEAM SOFTENER

| No. | Description | % of Light Transmission |
|--------|---------------------|-------------------------|
| AAA990 | Spread Lens/Clear | 83 (5°X 50°) |
| AAA992 | Spread Lens/Clear | 85 (5°X 30°) |
| AAA995 | Spread Lens/Clear | 83 (50°X 50°) |
| AAA996 | Spread Lens/Clear | 86 (45°X 50°) |
| AAA998 | Beam Softener/Clear | 80 (45°X 45°) |



¹LIGHT BLOCKING SCREENS AAA

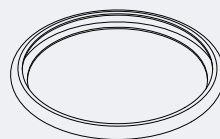
Stainless steel mesh screens used alone or in combinations will block from approximately 20% to 90% of the transmitted light without changing color temperature of the light.

| No. | % of Light Blocked |
|---------|--------------------|
| AAA801S | 20 |
| AAA802S | 30 |
| AAA803S | 40 |



LOUVER HEX AAA

1/8" thick Hexcell black metal louver used for thin profile. Black finish.



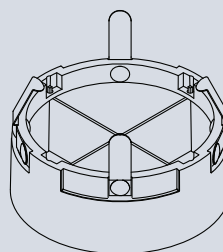
BACKER RING AAAB

Aluminum ring to hold thin film gels when no other size AAA accessories are being used.



LX2031FR WALL WASH CYLINDER HOUSING

which includes slash front, accessory cartridge, spread gel (75° x 45°) and kicker reflector (for use with 40° optic only).



CROSS BAFFLE LX2030

Controls spill light and glare. Black finish.

1. Figures vary based upon LED module/optic being used and relationship of screen(s) to LED module/optic and to each other.

LUMELLEX® 2030 · 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 for the LumeLEX LED Series.



LumeLEX® SPREAD GELS

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

LumeLEX® COLOR GELS

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

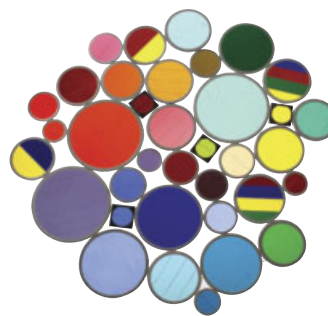
* Backer Ring AAAB required to hold gels when no other rimmed "AAA" accessories are used.

| 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

COLOR FILTERS

As the foremost innovator in accent lighting, LSI offers a complete range of permanent fade-free glass color filters, which are available in nine stock diameters. All glass color filters are rimmed in a seamless aluminum ring and are slotted for heat expansion.



| Size | Diameter | LSI Fixture Series | No. | Color | % of Light Transmission |
|------|----------|--------------------------------------------------------------|-----|------------------|-------------------------|
| AAA | 2 3/8" | LumeLEX® 2020/2030/2031/2038, SSLCX16, SSL260, LumeLEX MAR-S | 902 | Medium Pink | 36 |
| | | | 903 | Deep Pink | 37 |
| | | | 904 | Flesh Pink | 73 |
| | | | 906 | Pale Lavender | 14 |
| | | | 907 | Surprise Pink | 19 |
| | | | 908 | Lilac | 21 |
| | | | 910 | Warm Red | 10 |
| | | | 911 | Strawberry | 6 |
| | | | 912 | Ruby | 4 |
| | | | 913 | Magenta | 1 |
| | | | 914 | Light Amethyst | 25 |
| | | | 915 | Medium Amethyst | 16 |
| | | | 916 | Deep Amethyst | 4 |
| | | | 917 | Olive | 18 |
| | | | 918 | Light Green | 68 |
| | | | 920 | Medium Green | 25 |
| | | | 921 | Deep Green | 7 |
| | | | 922 | Silver green | 65 |
| | | | 923 | Yellow Green | 49 |
| | | | 924 | Emerald Green | 12 |
| | | | 925 | Light Turquoise | 68 |
| | | | 926 | Medium Turquoise | 40 |
| | | | 927 | Deep Turquoise | 17 |
| | | | 928 | Light Blue | 34 |
| | | | 930 | Medium Blue | 3 |
| | | | 932 | Daylight | 59 |
| | | | 933 | Gene Moore Blue | 18 |
| | | | 936 | Grey | 56 |
| | | | 937 | Light Blue Green | 17 |
| | | | 939 | Light Amber | 68 |
| | | | 940 | Medium Amber | 48 |
| | | | 941 | Deep Amber | 43 |
| | | | 942 | Straw | 78 |
| | | | 943 | Gold | 87 |
| | | | 944 | Canary Yellow | 84 |
| | | | 945 | Lemon | 81 |
| | | | 946 | Pumpkin | 32 |
| | | | 947 | Tangerine | 20 |
| | | | 948 | Orange | 23 |
| | | | 949 | Pink Gold | 54 |
| | | | 950 | Bronze | 48 |
| | | | 951 | Brass | 11 |
| | | | 952 | Autumn Tan | 11 |
| | | | 953 | Leaf Brown | 19 |
| | | | 954 | Butter Pecan | 3 |
| | | | 955 | Toasted Almond | 1 |

Notes:

1. Values given are approximate due to slight variations in glass color and thickness.

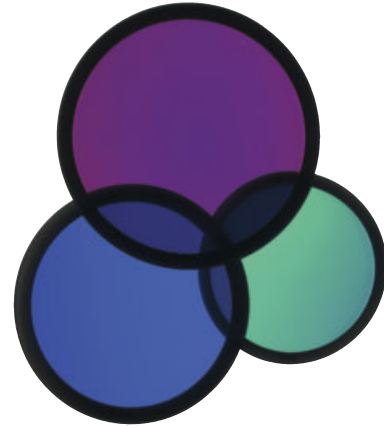
COLOR MEDIA

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.

LSI dichroic glass color filters have the added benefit of being rimmed for extra durability to allow for frequent usage without fear of breakage or edge chipping.



| Size | Diameter | LSI Fixture Series | Technical Data | No. | Color | % of Light Transmission |
|------|----------|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------------|-------------------------|
| AAA | 2 3/8" | LumeLEX® 2020/2030/2031/2038, SSLCX16, SSL260, LumeLEX MAR-S | Dichroic color filters are created in a vacuum chamber by multi-layer vapor deposits of different minerals onto low expansion, chemically resistant Borosilicate glass. | 2001 | Light Pink | 69 |
| AA | 3" | LumeLEX® 2024 (with LX2024-Holder or LX2024-Barndoor), LumeLEX® 2026, LumeLEX® 2044, LumeLEX 2048 | 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. | 2002 | Medium Pink | 43 |
| A | 3 1/2" | LumeLEX® 2060, SSL230, SSLCX30, SSLGR30CL, SSLGR36 | 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. | 2003 | Hot Pink | 11 |
| B | 4 1/4" | LumeLEX® MAR-L | 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. | 2004 | Pale Pink | 55 |
| C | 4 3/4" | LumeLEX® 2084, LumeLEX® 2088, SSL238, SSLCX36, SSLCX38, SSLGR38CL | | 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 |