

# SYLVANIA Luminaires

## ValueLED™ Selectable Slim MICRODISK™

### Application

The SYLVANIA ValueLED Selectable Slim MICRODISK is a slim profile LED downlight kit with remote driver that operates at 120VAC. The 1/2" height allows for installation directly under joists in new and remodel construction.

### Benefits and Features

- 5 CCT selectable enabled through a switch located on the driver
- High CRI (>90) ensures a high quality light
- 1/2" height facilitates installations in most residential applications
- Up to 80 LPW
- CRI >90
- Offered in 500 (8W), 800 (13W), 1200 (16W), 1600 (20W)
- 3", 4", 6", and 8" size versions available
- Energy savings up to 92%
- IC rated
- Wet rated

### Electrical

- Designed to operate at 120VAC
- Power Factor >90%
- THD < 20%
- Phase-cut dimmable

### Rated Life

- 50,000 hours (L<sub>70</sub>)

### Warranty

- 5-year

### Ambient Operating Range

- -4°F to +104°F (-20°C to +40°C)

### Certifications and Listings

- cETLus
- RoHS
- FCC
- ENERGY STAR®
- CEC Title 24 JA8 Listed

Item #

Type

Project

Notes

Date



### Wattage Comparison

| Traditional Source | LED System Wattage | Energy Savings |
|--------------------|--------------------|----------------|
| 100W BR40          | 8W                 | 92%            |
| 120W Incandescent  | 13W                | 90%            |
| 23W CFL            | 16W                | 30%            |
| 32W CFL            | 20W                | 63%            |

### Installation

- For installation into 3", 4", 6", and 8" ceiling cut-outs.



Ordering Guide

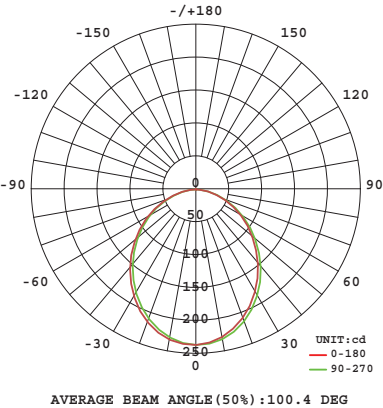
| LEDMD        | X      | R         | / | 2A                 | / | XXXX               | S        | T             | / | 9       | SC3                    |
|--------------|--------|-----------|---|--------------------|---|--------------------|----------|---------------|---|---------|------------------------|
| Product Name | Size   | Shape     |   | Generation         |   | Lumens             | Voltage  | Dimming       |   | CRI     | CCT                    |
| LEDMD = LED  | 3 = 3" | R = Round |   | 2A = Generation 2A |   | 500 = 500 lumens   | S = 120V | T = Phase-cut |   | 9 = >90 | SC3 = Selectable Color |
| MICRODISK    | 4 = 4" |           |   |                    |   | 800 = 800 lumens   |          | dimming       |   |         | (2700, 3000, 3500,     |
|              | 6 = 6" |           |   |                    |   | 1200 = 1200 lumens |          |               |   |         | 4000, 5000K)           |
|              | 8 = 8" |           |   |                    |   | 1600 = 1600 lumens |          |               |   |         |                        |

Ordering Information

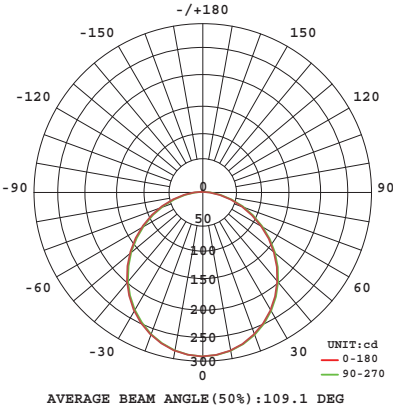
| Item Number | Ordering Abbreviation  | Wattage | Input Voltage | Dimming   | CRI | Color Temp                      | Total Fixture Lumens | LPW  | ENERGY STAR® | Case Quantity |
|-------------|------------------------|---------|---------------|-----------|-----|---------------------------------|----------------------|------|--------------|---------------|
| 61403       | LEDMD3R/2A/500ST/9SC3  | 8       | 120           | Phase-Cut | 90  | 2700, 3000, 3500, 4000 or 5000K | 500                  | 62.5 | Yes          | 1             |
| 61404       | LEDMD4R/2A/800ST/9SC3  | 13      | 120           | Phase-Cut | 90  | 2700, 3000, 3500, 4000 or 5000K | 800                  | 61.5 | Yes          | 1             |
| 61405       | LEDMD6R/2A/1200ST/9SC3 | 16      | 120           | Phase-Cut | 90  | 2700, 3000, 3500, 4000 or 5000K | 1200                 | 75.0 | Yes          | 1             |
| 61406       | LEDMD6R/2A/1200ST/9SC3 | 16      | 120           | Phase-Cut | 90  | 2700, 3000, 3500, 4000 or 5000K | 1200                 | 75.0 | Yes          | 4             |
| 61407       | LEDMD8R/2A/1600ST/9SC3 | 20      | 120           | Phase-Cut | 90  | 2700, 3000, 3500, 4000 or 5000K | 1600                 | 80.0 | Yes          | 1             |

Photometric Data

3-inch



4-inch



Zonal Lumen Distribution

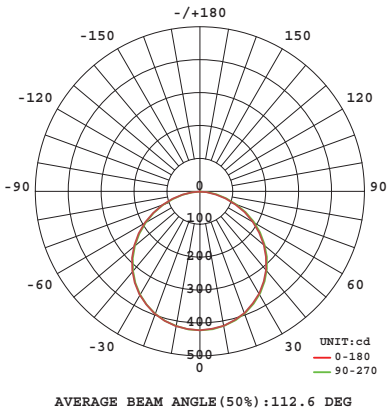
| Zone  | Lumens | % Retrofit Kit |
|-------|--------|----------------|
| 0-5   | 5.5    | 0.95           |
| 0-10  | 21.8   | 3.75           |
| 0-15  | 48.2   | 8.28           |
| 0-20  | 83.3   | 14.32          |
| 0-25  | 125.8  | 21.61          |
| 0-30  | 173.6  | 29.84          |
| 0-35  | 225.1  | 38.67          |
| 0-40  | 278.1  | 47.79          |
| 0-45  | 330.8  | 56.84          |
| 0-50  | 381.4  | 65.54          |
| 0-55  | 428.5  | 73.63          |
| 0-60  | 470.6  | 80.87          |
| 0-65  | 506.8  | 87.08          |
| 0-70  | 536.0  | 92.10          |
| 0-75  | 557.8  | 95.85          |
| 0-80  | 572.2  | 98.32          |
| 0-85  | 579.6  | 99.60          |
| 0-90  | 581.3  | 99.89          |
| 0-95  | 581.4  | 99.90          |
| 0-100 | 581.4  | 99.90          |
| 0-105 | 581.4  | 99.90          |
| 0-110 | 581.4  | 99.91          |
| 0-115 | 581.5  | 99.91          |
| 0-120 | 581.5  | 99.92          |
| 0-125 | 581.5  | 99.93          |
| 0-130 | 581.6  | 99.93          |
| 0-135 | 581.6  | 99.94          |
| 0-140 | 581.7  | 99.95          |
| 0-145 | 581.7  | 99.96          |
| 0-150 | 581.8  | 99.97          |
| 0-155 | 581.8  | 99.98          |
| 0-160 | 581.9  | 99.98          |
| 0-165 | 581.9  | 99.99          |
| 0-170 | 581.9  | 100.00         |
| 0-175 | 582.0  | 100.00         |
| 0-180 | 582.0  | 100.00         |

Zonal Lumen Distribution

| Zone  | Lumens | % Retrofit Kit |
|-------|--------|----------------|
| 0-5   | 7.0    | 0.86           |
| 0-10  | 27.6   | 3.41           |
| 0-15  | 61.1   | 7.56           |
| 0-20  | 106.3  | 13.15          |
| 0-25  | 161.4  | 19.98          |
| 0-30  | 224.6  | 27.80          |
| 0-35  | 293.6  | 36.33          |
| 0-40  | 365.8  | 45.27          |
| 0-45  | 438.9  | 54.31          |
| 0-50  | 510.3  | 63.14          |
| 0-55  | 577.7  | 71.49          |
| 0-60  | 638.8  | 79.05          |
| 0-65  | 691.9  | 85.62          |
| 0-70  | 735.6  | 91.03          |
| 0-75  | 768.9  | 95.15          |
| 0-80  | 791.6  | 97.96          |
| 0-85  | 803.9  | 99.49          |
| 0-90  | 807.3  | 99.90          |
| 0-95  | 807.3  | 99.90          |
| 0-100 | 807.3  | 99.91          |
| 0-105 | 807.4  | 99.91          |
| 0-110 | 807.4  | 99.91          |
| 0-115 | 807.4  | 99.92          |
| 0-120 | 807.5  | 99.92          |
| 0-125 | 807.5  | 99.93          |
| 0-130 | 807.6  | 99.94          |
| 0-135 | 807.6  | 99.94          |
| 0-140 | 807.7  | 99.95          |
| 0-145 | 807.8  | 99.96          |
| 0-150 | 807.8  | 99.97          |
| 0-155 | 807.9  | 99.98          |
| 0-160 | 808.0  | 99.98          |
| 0-165 | 808.0  | 99.99          |
| 0-170 | 808.1  | 100.00         |
| 0-175 | 808.1  | 100.00         |
| 0-180 | 808.1  | 100.00         |

Photometric Data (continued)

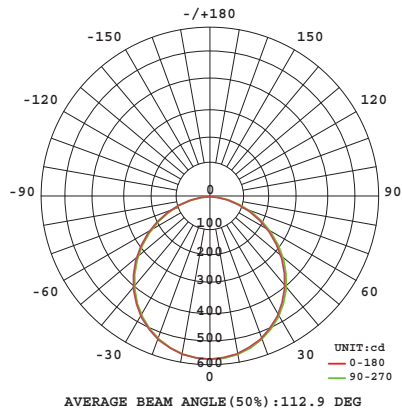
6-inch



Zonal Lumen Distribution

| Zone  | Lumens | % Retrofit Kit |
|-------|--------|----------------|
| 0-5   | 10.0   | 0.83           |
| 0-10  | 39.8   | 3.28           |
| 0-15  | 88.3   | 7.28           |
| 0-20  | 154.0  | 12.70          |
| 0-25  | 234.6  | 19.34          |
| 0-30  | 327.5  | 27.00          |
| 0-35  | 429.5  | 35.41          |
| 0-40  | 537.2  | 44.29          |
| 0-45  | 646.8  | 53.33          |
| 0-50  | 754.6  | 62.22          |
| 0-55  | 857.0  | 70.65          |
| 0-60  | 950.5  | 78.36          |
| 0-65  | 1032.1 | 85.09          |
| 0-70  | 1099.6 | 90.65          |
| 0-75  | 1151.2 | 94.91          |
| 0-80  | 1186.6 | 97.83          |
| 0-85  | 1206.0 | 99.43          |
| 0-90  | 1211.6 | 99.89          |
| 0-95  | 1211.7 | 99.90          |
| 0-100 | 1211.7 | 99.90          |
| 0-105 | 1211.8 | 99.91          |
| 0-110 | 1211.8 | 99.91          |
| 0-115 | 1211.9 | 99.92          |
| 0-120 | 1212.0 | 99.92          |
| 0-125 | 1212.0 | 99.93          |
| 0-130 | 1212.1 | 99.94          |
| 0-135 | 1212.2 | 99.94          |
| 0-140 | 1212.3 | 99.95          |
| 0-145 | 1212.4 | 99.96          |
| 0-150 | 1212.5 | 99.97          |
| 0-155 | 1212.6 | 99.98          |
| 0-160 | 1212.7 | 99.99          |
| 0-165 | 1212.8 | 99.99          |
| 0-170 | 1212.9 | 100.00         |
| 0-175 | 1212.9 | 100.00         |
| 0-180 | 1212.9 | 100.00         |

8-inch

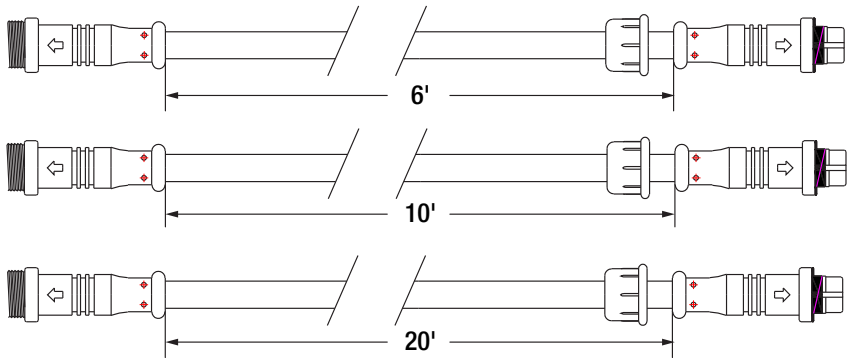


Zonal Lumen Distribution

| Zone  | Lumens | % Retrofit Kit |
|-------|--------|----------------|
| 0-5   | 13.6   | 0.82           |
| 0-10  | 54.2   | 3.27           |
| 0-15  | 120.2  | 7.26           |
| 0-20  | 209.8  | 12.67          |
| 0-25  | 319.9  | 19.31          |
| 0-30  | 446.9  | 26.98          |
| 0-35  | 586.5  | 35.41          |
| 0-40  | 733.8  | 44.30          |
| 0-45  | 883.9  | 53.36          |
| 0-50  | 1031.4 | 62.27          |
| 0-55  | 1171.3 | 70.71          |
| 0-60  | 1298.9 | 78.42          |
| 0-65  | 1410.3 | 85.14          |
| 0-70  | 1502.2 | 90.69          |
| 0-75  | 1572.5 | 94.94          |
| 0-80  | 1620.5 | 97.83          |
| 0-85  | 1646.9 | 99.43          |
| 0-90  | 1654.5 | 99.89          |
| 0-95  | 1654.7 | 99.90          |
| 0-100 | 1654.8 | 99.90          |
| 0-105 | 1654.8 | 99.91          |
| 0-110 | 1654.9 | 99.91          |
| 0-115 | 1655.0 | 99.92          |
| 0-120 | 1655.1 | 99.92          |
| 0-125 | 1655.2 | 99.93          |
| 0-130 | 1655.3 | 99.94          |
| 0-135 | 1655.4 | 99.94          |
| 0-140 | 1655.6 | 99.95          |
| 0-145 | 1655.7 | 99.96          |
| 0-150 | 1655.9 | 99.97          |
| 0-155 | 1656.0 | 99.98          |
| 0-160 | 1656.1 | 99.99          |
| 0-165 | 1656.3 | 99.99          |
| 0-170 | 1656.3 | 100.00         |
| 0-175 | 1656.4 | 100.00         |
| 0-180 | 1656.4 | 100.00         |

Accessories

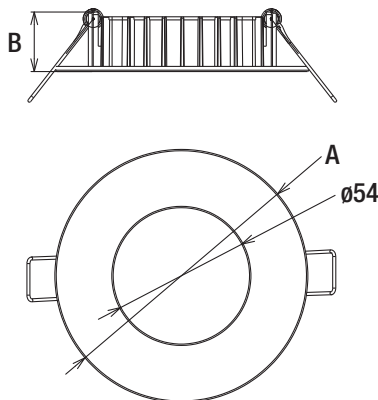
| Item Number | Ordering Abbreviation | Size |
|-------------|-----------------------|------|
| 60793       | LEDMD6FTEXCBL         | 6ft  |
| 60794       | LEDMD10FTEXCBL        | 10ft |
| 60795       | LEDMD20FTEXCBL        | 20ft |



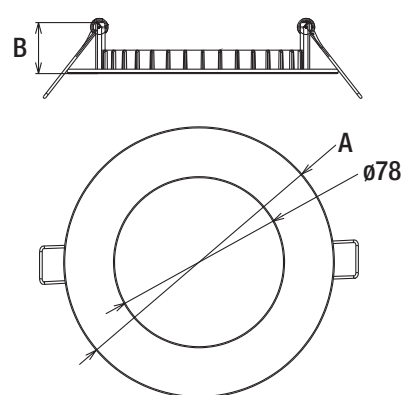
## Physical Information

| Item Number | (A) Diameter in (mm) | (B) Height in (mm) | Weight (lb) |
|-------------|----------------------|--------------------|-------------|
| 61403       | 3.9 (100)            | 0.9 (2.35)         | 5.29        |
| 61404       | 4.9 (125)            | 0.9 (2.35)         | 9.31        |
| 61405       | 6.8 (175)            | 0.9 (2.35)         | 10.65       |
| 61407       | 8.8 (225)            | 0.9 (2.35)         | 17.04       |

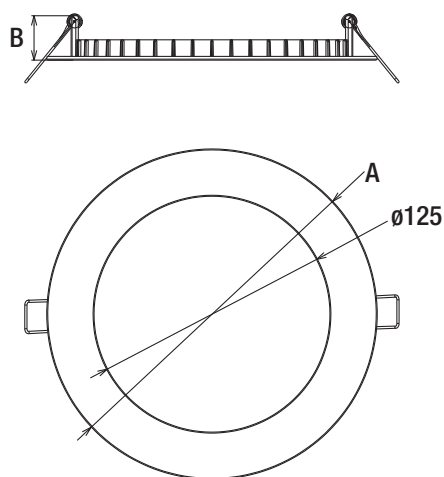
3-inch



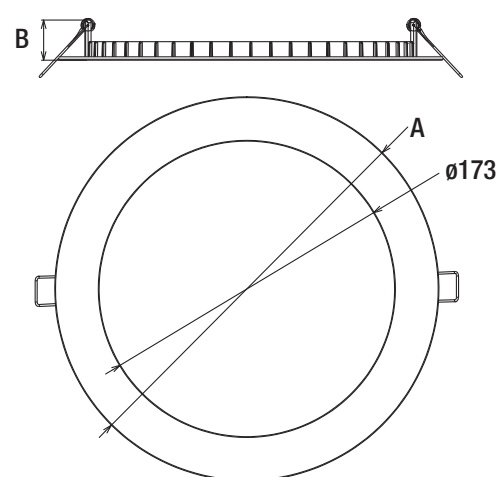
4-inch



6-inch



8-inch



Dimensions in mm

## Additional Specifications

- Suitable for indoor and outdoor, dry and wet locations.
- Not intended for use with emergency light fixtures or exit lights.
- Suitable for use in closets, compliant with NFPA 70, NEC section 410.16 (A)(3) and 410.16 (C)(5)
- For use in housings that can structurally support a lamp weighing one pound.

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