



# 4" ROUND DEEP DOWNLIGHT 4000 LUMENS MAX

## UNIVERSAL HOUSINGS WITH INTERCHANGEABLE TRIMS

Spectrum's A Spec 4" recessed round downlight series features a 2" regressed trim and variety of options for accent and general illumination.

| LUMENS AND WATTAGE CHART |        |                            |                               |              |     |
|--------------------------|--------|----------------------------|-------------------------------|--------------|-----|
| PART NUMBER              | LUMENS | SOURCE LUMENS <sup>1</sup> | DELIVERED LUMENS <sup>2</sup> | SYSTEM WATTS | LPW |
| RDD4F                    | XT10L  | 1000                       | 743                           | 11.1         | 67  |
| RDD4F                    | XT13L  | 1300                       | 1002                          | 15.0         | 67  |
| RDD4F                    | XT20L  | 2000                       | 1541                          | 23.7         | 65  |
| RDD4F                    | XT30L  | 3000                       | 2311                          | 34.6         | 67  |
| RDD4F                    | XT40L  | 4000                       | 2966                          | 39.9         | 74  |

PROJECT: \_\_\_\_\_  
TYPE: \_\_\_\_\_

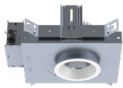


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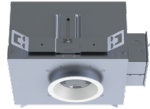


### AVAILABLE HOUSING TYPES

**SR4MO** - New Construction / 40L Max



**SR4MI** - IC New Construction / 20L Max



**SR4MR** - Remodel Construction / 40L Max



### FIXTURE HOUSING SPECIFICATION

| SERIES       |                      | LUMENS <sup>1</sup> |         | DRIVER / DIMMING / VOLTAGE |                                       | OPTIONS  |      |
|--------------|----------------------|---------------------|---------|----------------------------|---------------------------------------|----------|------|
| <b>SR4MO</b> | New Construction     | <b>XT10L</b>        | 1000 Lm | <b>E</b>                   | Electronic Driver                     | <b>1</b> | 120V |
| <b>SR4MI</b> | IC New Construction  | <b>XT13L</b>        | 1300 Lm | <b>DS10</b>                | 10%, 0-10V                            | <b>2</b> | 277V |
| <b>SR4MR</b> | Remodel Construction | <b>XT20L</b>        | 2000 Lm | <b>DO10</b>                | 1%, 0-10V                             |          |      |
|              |                      | <b>XT30L</b>        | 3000 Lm | <b>DS2W1</b>               | ELV/MLV, 120V                         |          |      |
|              |                      | <b>XT40L</b>        | 4000 Lm | <b>DLTE1</b>               | 1% Lutron® 2-Wire Forward Phase, 120V |          |      |
|              |                      | XN BEAM             |         | <b>DL3E</b>                | 1%, Lutron® EcoSystem® Fade           |          |      |
|              |                      | <b>XN10L</b>        | 1000 Lm | <b>EL10</b>                | 1%, eldoLED                           |          |      |
|              |                      | <b>XN13L</b>        | 1300 Lm | <b>ED01</b>                | 0.1%, eldoLED                         |          |      |
|              |                      |                     |         | <b>DMXS</b> <sup>45</sup>  | DMX Standard Configuration            |          |      |
|              |                      |                     |         | <b>DMXC</b> <sup>45</sup>  | DMX Non-Standard Custom               |          |      |
|              |                      |                     |         | <b>BLU</b>                 | Bluetooth LE                          |          |      |
|              |                      |                     |         | <b>H12</b>                 | 12" - 24" Expandable Bars             |          |      |
|              |                      |                     |         | <b>H06</b>                 | 6" - 12" Expandable Bars              |          |      |
|              |                      |                     |         | <b>BH27</b>                | 27" Solid Bars                        |          |      |
|              |                      |                     |         | <b>CB24</b>                | 24" C-Channel Bars                    |          |      |
|              |                      |                     |         | <b>CH24</b>                | 24" Chicago Bars                      |          |      |
|              |                      |                     |         | <b>EM</b>                  | Integral Emergency Battery            |          |      |
|              |                      |                     |         | <b>EMRM</b>                | Remote Emergency Battery Pack         |          |      |
|              |                      |                     |         | <b>EB</b>                  | Black Housing                         |          |      |
|              |                      |                     |         | <b>PR2</b>                 | 2" Thick Ceiling Adaptor              |          |      |

- Die-cast aluminum trim with a wide variety of options.
- Deep regressed trim.
- Universal housing accepts all trim types, including N-Line trimless.
- Performance Xicato LED module for superior reliability and color consistency.
- Large selection of dimming and control options.
- Interchangeable optics and lenses.
- 5 year warranty on fixture and electronics.
- 10 year warranty on LED CCT.
- Bluetooth LE option.
- Sustainable fixture.
- Zhaga International Standard LED Module for future upgrades.
- 83CRI 2SDCM, 98CRI 1x2SDCM best in industry.

### AVAILABLE TRIM / MODULE TYPES



### TRIM / MODULE SPECIFICATION

| TRIM                         |                | CCT                         |       | OPTICS                  |     | FINISH <sup>13</sup>    |                   | OPTIONS                 |                          |
|------------------------------|----------------|-----------------------------|-------|-------------------------|-----|-------------------------|-------------------|-------------------------|--------------------------|
| <b>RDD4F</b>                 | Downlight      | 83 CRI                      |       | <b>XN</b> <sup>12</sup> | 9°  | <b>MW</b> <sup>14</sup> | Matte White       | <b>NL</b>               | No Lens                  |
| <b>RDA4F</b>                 | 30° Adjustable | <b>27K</b>                  | 2700K | <b>ND</b>               | 17° | <b>MB</b>               | Matte Black       | <b>SO</b> <sup>16</sup> | Micro Prism Solite™ Lens |
| <b>RDW4F</b> <sup>9/10</sup> | Wall Wash      | <b>30K</b>                  | 3000K | <b>MD</b>               | 28° | <b>PT</b>               | Platinum Silver   | <b>LW</b> <sup>17</sup> | Wall Wash Spread Lens    |
|                              |                | <b>35K</b>                  | 3500K | <b>WD</b>               | 41° | <b>BZ</b>               | Bronze            | <b>GL</b>               | Clear Glass Lens         |
|                              |                | <b>40K</b>                  | 4000K | <b>XW</b>               | 62° | <b>CH</b>               | Charcoal          | <b>FG</b>               | Frosted Glass Lens       |
|                              |                | 98 CRI ARTIST <sup>11</sup> |       |                         |     | <b>OB</b>               | Oil Rubbed Bronze | <b>PR2</b> <sup>3</sup> | 2" Thick Ceiling Adaptor |
|                              |                | <b>27HK</b>                 | 2700K |                         |     | <b>AS</b>               | Sapphire          | <b>WL</b>               | Wet Location             |
|                              |                | <b>30HK</b>                 | 3000K |                         |     | <b>AM</b>               | Malachite         | <b>WF</b> <sup>18</sup> | White Flange             |
|                              |                | <b>35HK</b>                 | 3500K |                         |     | <b>SN</b>               | Sun Gold          |                         |                          |
|                              |                | <b>40HK</b>                 | 4000K |                         |     | <b>CO</b>               | Copper Metallic   |                         |                          |
|                              |                |                             |       |                         |     | <b>GH</b>               | Graphite          |                         |                          |
|                              |                |                             |       |                         |     | <b>CC</b> <sup>15</sup> | Custom Color      |                         |                          |

EXAMPLE: SR4MOXT10LDS2W1/H12EM/RDA4F27KXWCHNL

#### NOTES:

1 Nominal Source Lumens at Any CCT 2 Nominal Delivered Lumens 83 CRI at Any CCT with WD-MW-NL Trim 3 20L Max 4 Contact Factory 5 Not Available with IC 6 Standard Bar Hangers 7 Not Available in IC 8 Contact Factory 9 30L Max/No HK CCT 10 XW Optic Only / LW Lens Only 11 30L Max 12 9mm, 13L Max, All XN Draw More Watts Than Other Optics; See Photometry 13 Inside Trim And Flange Will Match Color Specified 14 Standard Finish 15 Contact Factory for Special Finishes 16 Standard Lens 17 Standard Lens for Wall Wash 18 Otherwise Flange Is Same Color As Interior Of Trim



LIGHTSOURCE BY XICATO



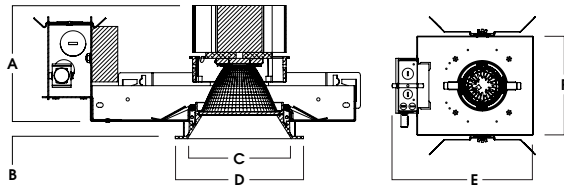
Dimensions and values shown are nominal. Spectrum Lighting continually works to improve products and reserves the right to make changes which may alter the performance or appearance of products.



## HOUSING DIMENSIONS

### SR4MO - NEW CONSTRUCTION / 40L MAX

Non-IC rated, thermally protected frame-in kit for new construction. Non-IC designation requires insulation must be minimum of 3" from housing.



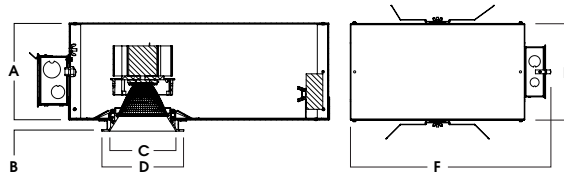
| A        | B       | C        | D        | E        | F        |
|----------|---------|----------|----------|----------|----------|
| 4.8      | .625    | 4.4      | 5.4      | 13.2     | 9.5      |
| 121.9 mm | 15.2 mm | 111.8 mm | 137.2 mm | 335.3 mm | 241.3 mm |

Fixture Weight: 7 lbs

Ceiling Cutout: Ø 5"

### SR4MI - IC NEW CONSTRUCTION / 20L MAX

IC rated frame-in kit for new construction with direct insulation contact and CCEA (Chicago Plenum) compatibility.



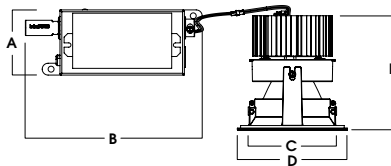
| A        | B       | C        | D        | E        | F             |
|----------|---------|----------|----------|----------|---------------|
| 6.4      | .625    | 4.4      | 5.4      | 9.5      | 10L-13L: 13.2 |
| 162.6 mm | 15.9 mm | 111.8 mm | 137.2 mm | 241.3 mm | 20L: 19.2     |

Fixture Weight: 9 lbs

Ceiling Cutout: Ø 5"

### SR4MR - REMODEL CONSTRUCTION / 40L MAX

Non-IC rated frame-in kit for existing construction. Non-IC designation requires insulation must be minimum of 3" from housing.



| A       | B        | C        | D        | E        |
|---------|----------|----------|----------|----------|
| 2.8     | 7.5      | 4.4      | 5.4      | 5.6      |
| 71.1 mm | 190.5 mm | 111.8 mm | 137.2 mm | 142.2 mm |

Fixture Weight: 5 lbs

Ceiling Cutout: Ø 5"

## FEATURES

### FRAME-IN KIT

Precision Die-formed 20 gauge galvanized steel housing and integral junction box with (3) 5/8", (3) 7/8" and (2) 1 1/8" knockouts. Junction box capacity: 8 12AWG rated for 90 °C. Tool-less driver and junction box access for ease of maintenance. Post-loc trim retention springs for 5/8"-1" ceiling thickness. Use PR2 for up to 2" thick ceiling. For thicker ceilings consult factory.

### MOUNTING

A variety of mounting bars are available (excluding remodel). Ceiling materials must be rigid to support luminaire frame.

### DRIVER

Several constant current dimming drivers are available. Power factor >.9 typical, 50/60Hz, 350-1050mA.

### TRIM

Self-flanged, one-piece, die-cast aluminum finished in a variety of powdercoat options. Inside trim and flange are finished in same color unless otherwise specified (WF= White Flange). For trimless options see N-Line.

### REMODEL

Features tethered power supply and junction box with sheathed wire.

### LUMEN OUTPUT

XN narrow optic restricted to 1300 lumens max. All other optics and kelvins maintain 1000-4000 lumens range.

### LED

Zhaga compatible high performance Xicato module. Proprietary phosphor technology provides consistent and stable color with CCT control of +/- 100K over life of light engine.

### EMERGENCY

Integral or remote 7W emergency battery options are available. Operates for 90 minutes and produces nominal 450 lumens.

### DMX

See [DMX Connections and Settings Guide](#) for default configurations. Contact [quotes@speclight.com](mailto:quotes@speclight.com) or your local representative for custom solutions.

### BLUETOOTH

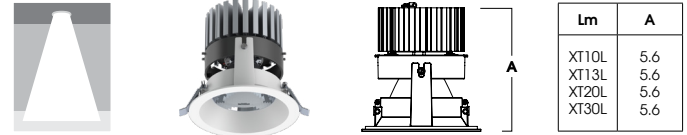
Integral Bluetooth LE option is available for dimming to .1%, grouping, remote access, electrical feedback and beacon technology.

### FUSING

Integral optional fast blow fuse with fuse holder.

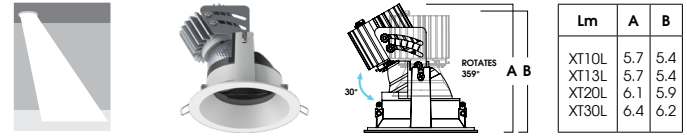
## TRIM / MODULE DATA

### RDD4F - DOWNLIGHT MODULE



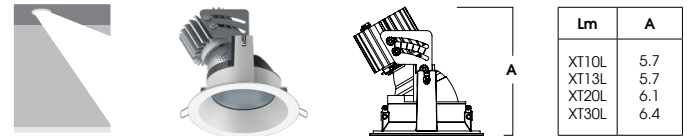
| Lm    | A   |
|-------|-----|
| XT10L | 5.6 |
| XT13L | 5.6 |
| XT20L | 5.6 |
| XT30L | 5.6 |

### RDA4F - 30° ADJUSTABLE MODULE



| Lm    | A   | B   |
|-------|-----|-----|
| XT10L | 5.7 | 5.4 |
| XT13L | 5.7 | 5.4 |
| XT20L | 6.1 | 5.9 |
| XT30L | 6.4 | 6.2 |

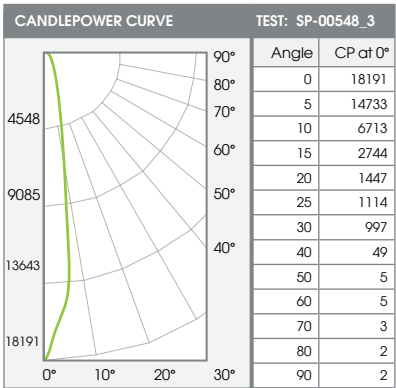
### RDW4F - WALL WASH MODULE



| Lm    | A   |
|-------|-----|
| XT10L | 5.7 |
| XT13L | 5.7 |
| XT20L | 6.1 |
| XT30L | 6.4 |

# PHOTOMETRIC DATA - 4" ROUND DEEP

## SR4Mx-XT40L-E1-RDD4x-xxK-ND-MW-NL



| ZONAL LUMENS |      |      |
|--------------|------|------|
| 0-10         | 1172 | 39%  |
| 0-20         | 2094 | 70%  |
| 0-30         | 2635 | 88%  |
| 0-40         | 2964 | 99%  |
| 0-60         | 2980 | 100% |
| 0-80         | 2985 | 100% |
| 0-90         | 2987 | 100% |
| Total Lumens | 2987 | 100% |

## 40L NARROW - 83 CRI

| SINGLE UNIT: PERFORMANCE<br>INITIAL FOOTCANDLES AND BEAM ANGLE DIAMETERS |              |                    |              |
|--|--------------|--------------------|--------------|
| Mounting Height*   | FC at Center | Diameter of Beam** | FC at Beam** |
| 5.5'   | 601          | 1.6'               | 294          |
| 6.5'   | 431          | 1.9'               | 211          |
| 7.5'   | 323          | 2.2'               | 158          |
| 8.5'   | 252          | 2.5'               | 123          |
| 10'  | 182          | 3.0'               | 89           |
| 12'  | 126          | 3.6'               | 62           |
| 14'  | 93           | 4.2'               | 45           |
| 16'  | 71           | 4.8'               | 35           |

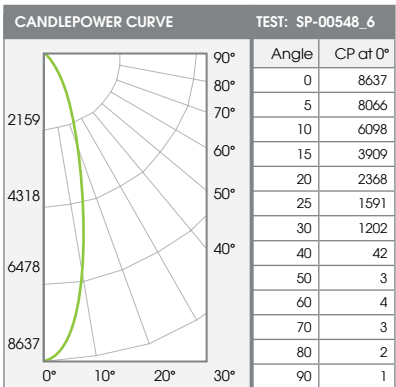
| MULTIPLE UNITS: PERFORMANCE<br>80/50/20% REFLECTANCES<br>INITIAL FOOTCANDLES AND WATTS PER SQUARE FOOT |                 |                     |           |                     |           |
|--|-----------------|---------------------|-----------|---------------------|-----------|
| Ceiling Height   | Fixture Spacing | RCR 8               |           | RCR 10              |           |
|  |                 | FC*                 | W/Sq. Ft. | FC*                 | W/Sq. Ft. |
| 8'   | 2.5' **         | 101                 | 1.59      | 74                  | 1.25      |
| 12'  | 4' ***          | 68                  | 1.06      | 66                  | 1.11      |
| 16'  | 5' **           | 57                  | 0.9       | 56                  | 0.93      |
| Delivered Illuminance Rating: (DIR)  |                 | 63 FC per W/Sq. Ft. |           | 59 FC per W/Sq. Ft. |           |

Square Rooms used for Multiple Units:  
 - RCR 8: Length & Width = Ceiling Ht. x 1.25  
 - RCR 10: Length & Width = Ceiling Ht. x 1.0  
 \* Average Footcandles at floor  
 \*\* Exceeds spacing criteria by 4%  
 \*\*\* Exceeds spacing criteria by 11%

Delivered Lumens: 2987    CP @ 0° (Nadir): 18191    Beam Angle: 16.9°  
 Luminaire Watts: 39.9    CRI: 83    Spacing Ratio: 0.3  
 LER: 75

FC Multipliers: 10L x 0.322, 13L x 0.433, 20L x 0.667  
 W/Sq. Ft. Multipliers: 10L x 0.320, 13L x 0.433, 20L x 0.685

## SR4Mx-XT40L-E1-RDD4x-xxK-MD-MW-NL



| ZONAL LUMENS |      |      |
|--------------|------|------|
| 0-10         | 703  | 24%  |
| 0-20         | 1807 | 61%  |
| 0-30         | 2569 | 87%  |
| 0-40         | 2945 | 99%  |
| 0-60         | 2958 | 100% |
| 0-80         | 2964 | 100% |
| 0-90         | 2965 | 100% |
| Total Lumens | 2965 | 100% |

## 40L MEDIUM - 83 CRI

| SINGLE UNIT: PERFORMANCE<br>INITIAL FOOTCANDLES AND BEAM ANGLE DIAMETERS |              |                    |              |
|--|--------------|--------------------|--------------|
| Mounting Height*   | FC at Center | Diameter of Beam** | FC at Beam** |
| 5.5'   | 286          | 2.7'               | 135          |
| 6.5'   | 204          | 3.2'               | 97           |
| 7.5'   | 154          | 3.6'               | 72           |
| 8.5'   | 120          | 4.1'               | 56           |
| 10'  | 86           | 4.9'               | 41           |
| 12'  | 60           | 5.8'               | 28           |
| 14'  | 44           | 6.8'               | 21           |
| 16'  | 34           | 7.8'               | 16           |

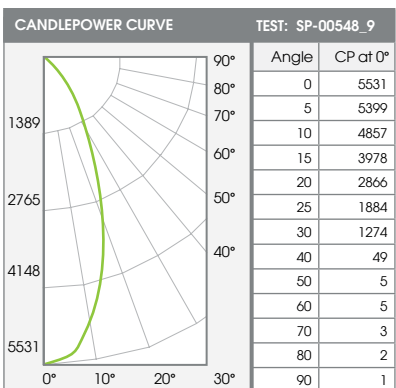
| MULTIPLE UNITS: PERFORMANCE<br>80/50/20% REFLECTANCES<br>INITIAL FOOTCANDLES AND WATTS PER SQUARE FOOT |                 |                     |           |                     |           |
|--|-----------------|---------------------|-----------|---------------------|-----------|
| Ceiling Height   | Fixture Spacing | RCR 4               |           | RCR 6               |           |
|  |                 | FC*                 | W/Sq. Ft. | FC*                 | W/Sq. Ft. |
| 8'   | 4' **           | 113                 | 1.59      | 88                  | 1.36      |
| 12'  | 6' **           | 63                  | 0.89      | 58                  | 0.9       |
| 16'  | 8' **           | 44                  | 0.62      | 33                  | 0.51      |
| Delivered Illuminance Rating: (DIR)  |                 | 71 FC per W/Sq. Ft. |           | 64 FC per W/Sq. Ft. |           |

Square Rooms used for Multiple Units:  
 - RCR 4: Length & Width = Ceiling Ht. x 2.5  
 - RCR 6: Length & Width = Ceiling Ht. x 1.66  
 \* Average Footcandles at floor  
 \*\* Exceeds spacing criteria by 6%

Delivered Lumens: 2965    CP @ 0° (Nadir): 8637    Beam Angle: 27.3°  
 Luminaire Watts: 39.9    CRI: 83    Spacing Ratio: 0.48  
 LER: 74

FC Multipliers: 10L x 0.322, 13L x 0.433, 20L x 0.667  
 W/Sq. Ft. Multipliers: 10L x 0.320, 13L x 0.433, 20L x 0.685

## SR4Mx-XT40L-E1-RDD4x-xxK-WD-MW-NL



| ZONAL LUMENS |      |      |
|--------------|------|------|
| 0-10         | 500  | 17%  |
| 0-20         | 1599 | 54%  |
| 0-30         | 2510 | 85%  |
| 0-40         | 2937 | 99%  |
| 0-60         | 2957 | 100% |
| 0-80         | 2964 | 100% |
| 0-90         | 2966 | 100% |
| Total Lumens | 2966 | 100% |

## 40L WIDE - 83 CRI

| SINGLE UNIT: PERFORMANCE<br>INITIAL FOOTCANDLES AND BEAM ANGLE DIAMETERS |              |                    |              |
|--|--------------|--------------------|--------------|
| Mounting Height*   | FC at Center | Diameter of Beam** | FC at Beam** |
| 5.5'   | 183          | 4.1'               | 80           |
| 6.5'   | 131          | 4.9'               | 57           |
| 7.5'   | 98           | 5.7'               | 43           |
| 8.5'   | 77           | 6.4'               | 34           |
| 10'  | 55           | 7.5'               | 24           |
| 12'  | 38           | 9.0'               | 17           |
| 14'  | 28           | 10.6'              | 12           |
| 16'  | 22           | 12.1'              | 9            |

| MULTIPLE UNITS: PERFORMANCE<br>80/50/20% REFLECTANCES<br>INITIAL FOOTCANDLES AND WATTS PER SQUARE FOOT |                 |                     |           |                     |           |
|--|-----------------|---------------------|-----------|---------------------|-----------|
| Ceiling Height   | Fixture Spacing | RCR 2               |           | RCR 4               |           |
|  |                 | FC*                 | W/Sq. Ft. | FC*                 | W/Sq. Ft. |
| 8'   | 5'              | 95                  | 1.22      | 83                  | 1.2       |
| 12'  | 7'              | 55                  | 0.71      | 49                  | 0.71      |
| 16'  | 9'              | 31                  | 0.4       | 28                  | 0.4       |
| Delivered Illuminance Rating: (DIR)  |                 | 77 FC per W/Sq. Ft. |           | 69 FC per W/Sq. Ft. |           |

Square Rooms used for Multiple Units:  
 - RCR 2: Length & Width = Ceiling Ht. x 5.0  
 - RCR 4: Length & Width = Ceiling Ht. x 2.5  
 \* Average Footcandles at floor

Delivered Lumens: 2966    CP @ 0° (Nadir): 5531    Beam Angle: 41.3°  
 Luminaire Watts: 39.9    CRI: 83    Spacing Ratio: 0.68  
 LER: 74

FC Multipliers: 10L x 0.322, 13L x 0.433, 20L x 0.667  
 W/Sq. Ft. Multipliers: 10L x 0.320, 13L x 0.433, 20L x 0.685

