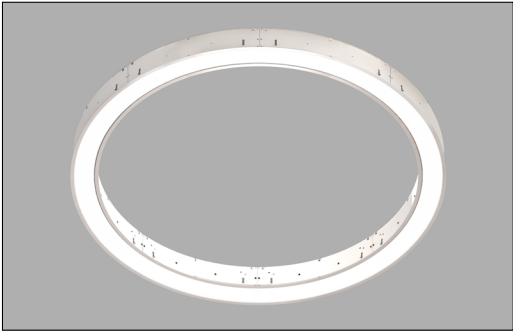


Sketch | Recessed



Project \_\_\_\_\_

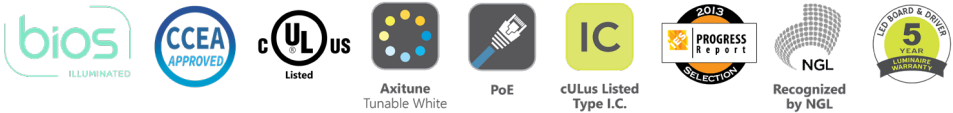
Type \_\_\_\_\_

Notes \_\_\_\_\_

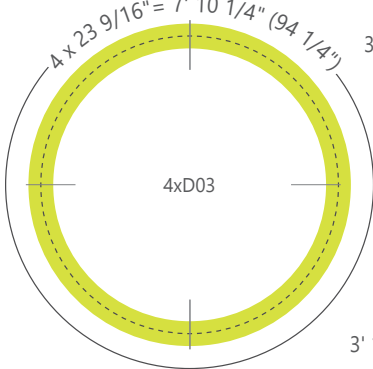
PERFORMANCE AT 3500K

| NOMINAL LUMEN OUTPUT | INPUT WATTS* | EFFICACY |
|----------------------|--------------|----------|
| 400 lm/ft            | 3.9 W/ft     | 101 lm/W |
| 700 lm/ft            | 6.9 W/ft     | 100 lm/W |

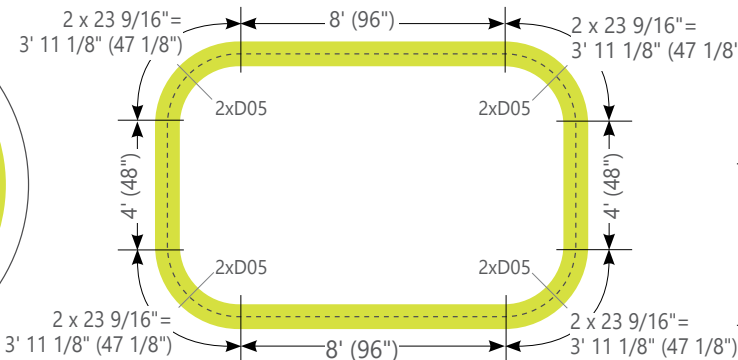
Based on (LIN) linear run performance.



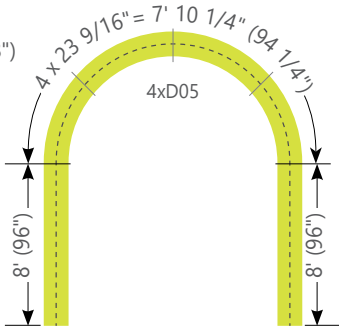
Drawings are not to scale



SK-10003-CIR-AL7' 10 1/4"  
Circle Pattern



SK-#-REC-AL43' 8 1/4"  
Rectangle Pattern



SK-#-ASO-AL23' 10 1/4"  
Other Shape Pattern

ALL ORDERS MUST BE SUBMITTED WITH DRAWINGS INDICATING DIMENSIONS, ANGLES AND DIAMETER

| SK                                     | PRODUCT ID      | PROJECT REFERENCE #                                                                                                                                                                                                                                               | PATTERNS                                                                            | LENGTH                | NOM. LUMENS/FT                           | CRI                        |
|----------------------------------------|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------|------------------------------------------|----------------------------|
| SK                                     | sketch recessed | 10003 D03-30" diameter circle<br>10004 D04-48" diameter circle<br>10005 D05-60" diameter circle<br>10008 D08-90" diameter circle<br>10013 D13-150" diameter circle<br>10018 D18-210" diameter circle<br>10023 D23-270" diameter circle<br># for all other shapes* | REC rectangle<br>CIR circle<br>ARC arc section<br>ASO other shape<br>LIN linear run | AL(L) pattern length* | 400 400 lm/ft<br>700 700 lm/ft           | 80 80 CRI<br>90 90 CRI*    |
| *For different radius consult factory. |                 |                                                                                                                                                                                                                                                                   | * nominal length                                                                    |                       | Consult factory for max output with BIOS | * Not available with BIOS. |

| COLOR TEMP. (choose one)                                                                                                                                                                 | SHIELDING           | FINISH                           | VOLTAGE                                                                 | DRIVER                                                                                                                                                                   | CIRCUITS                                                                                                                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----------------------------------|-------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| 27 2700 K TW2750 2700-5000 K - Tunable White<br>30 3000 K TW2765 2700-6500 K - Tunable White<br>35 3500 K<br>40 4000 K<br>B30 3000 K - BIOS*<br>B35 3500 K - BIOS*<br>B40 4000 K - BIOS* | SO spotless<br>lens | W white<br>BLK black<br>C custom | 120 120 V<br>277 277 V<br>347 347 V<br>UNV universal<br>DC low voltage* | DP dimming (0-10V) 1%<br>LT Lutron<br>BI bi-level dimming<br>O(#) other**<br>DPB(#) dimming (0-10V) 1% with BIOS*<br>TW(#) tunable white drivers*<br>POE(#) POE drivers* | 1 1 circuit<br>2 2 circuits<br>+E(#) emergency circuit*<br>+NL(#) night light circuit*<br>+GTD(#) generator transfer device* |
| Consult Axitune technical sheet for more information of color technology.<br>*Consult BIOS guide for more information on BIOS technology                                                 |                     |                                  | * Only available with POE drivers.                                      | *See page 4 to specify system<br>**Please consult factory; see page 4                                                                                                    | * Specify system                                                                                                             |

| MOUNTING/SUSPENSION                            | BATTERY (OPT.)    | OTHER (OPTIONAL)  | CUSTOM (OPTIONAL) |
|------------------------------------------------|-------------------|-------------------|-------------------|
| DF drywall flange<br>DS drywall spackle flange | B(#) battery pack | CP chicago plenum | C custom          |
| Consult factory for battery selection          |                   | Please specify    |                   |

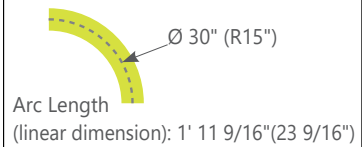
Patent pending

ALL ORDERS MUST BE SUBMITTED WITH DRAWINGS INDICATING DIMENSIONS, ANGLES AND DIAMETER

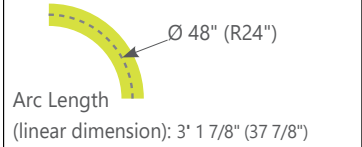
LUMINAIRE SECTIONS

The center line indicates the diameter at the center of the curve. Regardless to the mounting style, the centre line remains the same. This is the dimension that should be used when planning a layout.

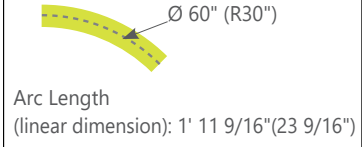
D03 Circle Section - 90°



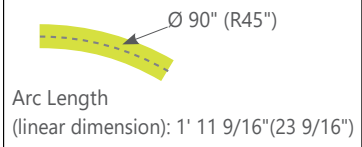
D04 Circle Section - 90°



D05 Circle Section - 45°



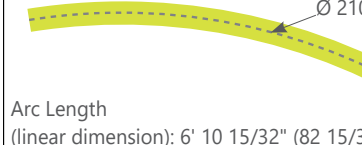
D08 Circle Section - 30°



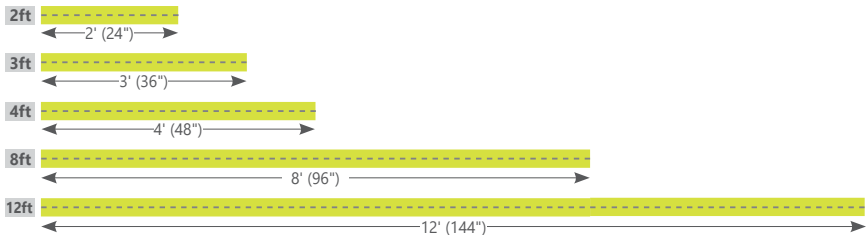
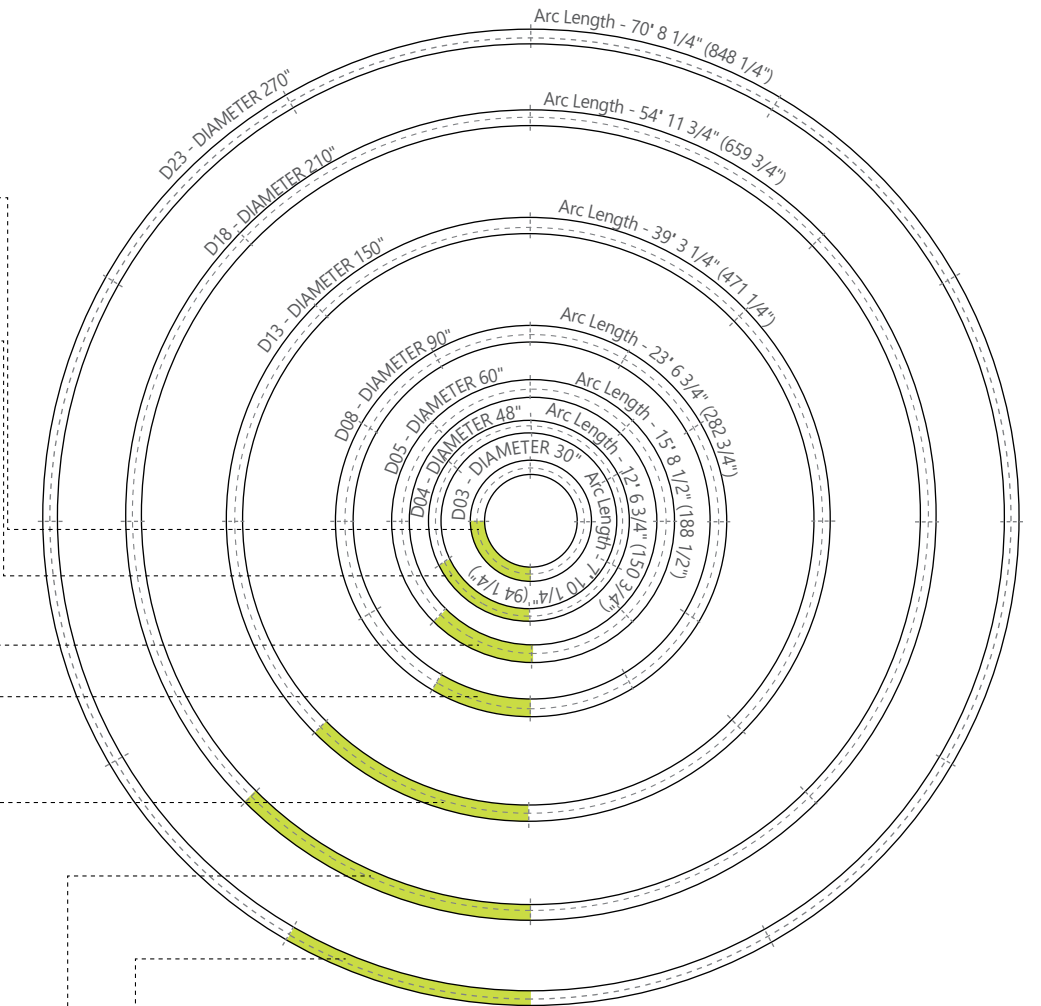
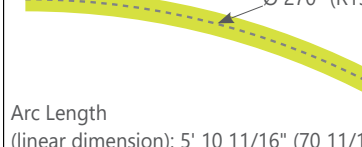
D13 Circle Section - 45°



D18 Circle Section - 45°



D23 Circle Section - 30°



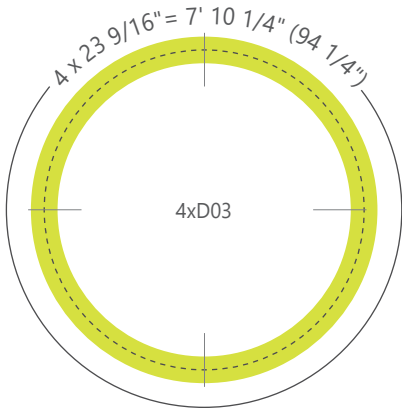
Patent pending

ALL ORDERS MUST BE SUBMITTED WITH DRAWINGS INDICATING DIMENSIONS, ANGLES AND DIAMETER

● HOW TO ORDER?

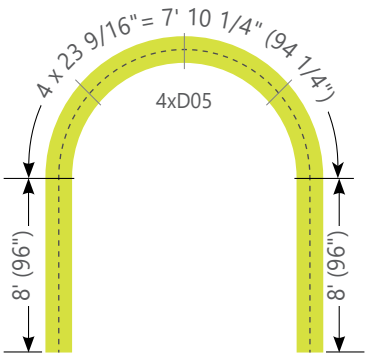
 Drawings are not to scale

EXAMPLE 1 - Circle Pattern



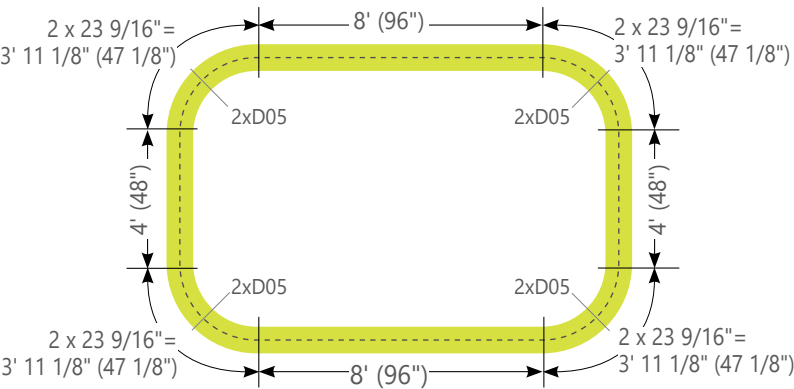
CODE: SK-10003-CIR-AL7'10 1/4"

EXAMPLE 2 - Custom Shape Pattern



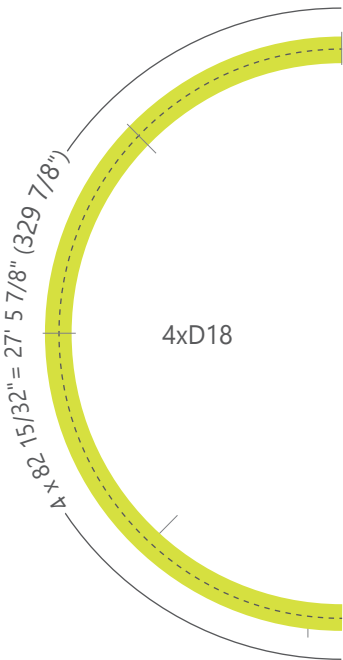
CODE: SK-#-ASO-AL23'10 1/4"

EXAMPLE 3 - Rectangle Pattern



SK-#-REC-AL43'8 1/4"

EXAMPLE 4 - Arc Section Pattern



SK-#-ARC-AL27'5 7/8"

 Patent pending

## ● ELECTRICAL

|                                                                                           |                                                                                                                                                                                                                                         |
|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Lutron driver</b>                                                                      | LDE1 - Hi-lume 1% EcoSystem with Soft-on, Fade-to-Black                                                                                                                                                                                 |
| <b>Other drivers**</b>                                                                    | DALI - Digital Addressable Lighting Interface<br>DMX - Digital Multiplex<br>Xitanium SR - For wireless sensor                                                                                                                           |
| <b>BIOS DPB drivers*</b>                                                                  | STC - BIOS control 0-10V with static spectrum and BIOS SkyBlue enabled from 100% to 1%.<br>DYN - BIOS control 0-10V with dynamic spectrum and BIOS SkyBlue® with Bio-Dimming™ enabled 100% to 50%, light output dimming from 49% to 1%. |
| <b>Tunable White TW drivers*</b>                                                          | DALIDT6 - DALI Type 6 (Two DALI Addresses)<br>DALIDT8 - DALI Type 8 (One DALI Address)                                                                                                                                                  |
| <b>Power over Ethernet POE drivers*</b><br>UL2108 certified for integral or remote driver | MOLEX<br>IGOR<br>SMARTENGINE<br>O - Other (Consult factory)                                                                                                                                                                             |
| <b>Emergency</b>                                                                          | Integral emergency battery pack or emergency circuit optional.                                                                                                                                                                          |
| <b>Input Voltage</b>                                                                      | 120V, 277V, 347V, UNV, DC.                                                                                                                                                                                                              |
| <b>Flex Whip</b>                                                                          | Shipped in a separate box for contractors to install                                                                                                                                                                                    |

\*Choose driver from available options.

**i** Incorporating these components may have limitations or affect the length of the luminaire. Please contact factory for more details.

## ● LED SYSTEM

|                            |                                                                                                                                                                                                                           |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CRI</b>                 | Minimum 80 or 90 color rendering index.                                                                                                                                                                                   |
| <b>CRI BIOS</b>            | Minimum 80 color rendering index with R9>75 for all CCTs.                                                                                                                                                                 |
| <b>CCT Single Color</b>    | Choice of 2700K, 3000K, 3500K and 4000K color temperature with a great color consistency (within 3-step MacAdam ellipse). Both within fixture and fixture to fixture.                                                     |
| <b>CCT BIOS</b>            | BIOS Static (STC) Choice of 3000K, 3500K and 4000K.<br>BIOS SkyBlue® Dynamic (DYN) Choice of 3000K, 3500K, and 4000K with Bio-Dimming™<br><br><a href="#">Consult BIOS guide for more information on BIOS technology.</a> |
| <b>CCT Axitune Systems</b> | <a href="#">Consult Axitune technical sheet for more information on color technology.</a>                                                                                                                                 |
| <b>LED life</b>            | Minimum 50,000h with 85% of lumen maintenance in 25°C ambient temperature, in compliance with IES LM-80 testing measurements.                                                                                             |
| <b>Thermal Management</b>  | Aluminum housing acting as the heat sink to maximize life.                                                                                                                                                                |
| <b>Environment</b>         | Dry and damp rated for indoor use only in operating ambient temperatures of 0-40°C (32-104°F).                                                                                                                            |

# Sketch | Recessed

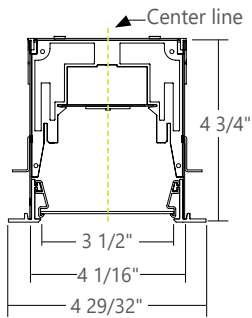
## ● PRODUCT DESCRIPTION

Sketch allows freedom to create shapes of continuous light. Its modules offer a wide range of options making possible to build partial and complete circles with 3', 5', 8', 13', 8', and 23' nominal diameters. These can be combined with straight sections.

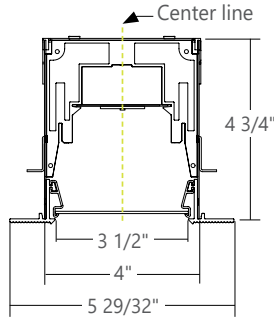
- i** Consult your Axis Representative to coordinate specification. A detailed drawing of the intended installation must be provided with each order.

## ● CEILING SYSTEM

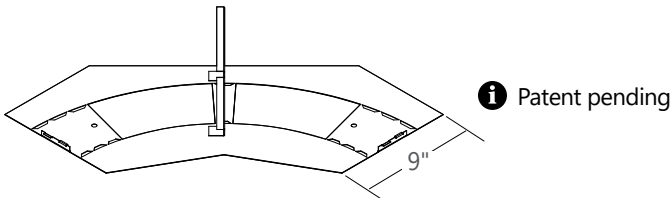
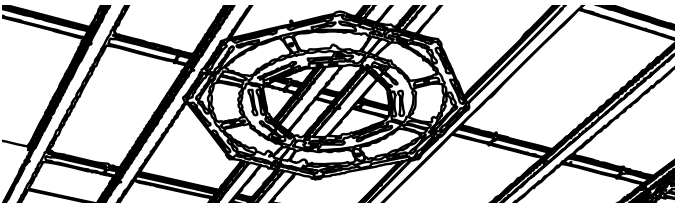
### ● DRYWALL WITH FLANGE



### ● DRYWALL SPACKLE FLANGE



### ● EASY INSTALLATION WITH MOUNTING PLATES



Mounting plates are installed behind the sheetrock to guide the cutting for installation of the luminaire housing using a rotary saw. The plates also allow for the layout of the luminaires to be confirmed before the final cuts are made.

- i** Installation sheets for all mounting options will be available shortly at: [www.axislighting.com](http://www.axislighting.com)

## ● WEIGHT

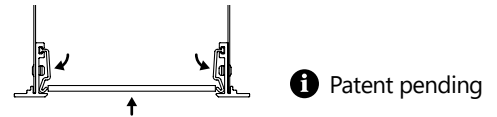
Approximately 5.4lbs/ft = 2.4kg/ft (linear)

## ● CONSTRUCTION

|                                |                                               |
|--------------------------------|-----------------------------------------------|
| <b>Housing Walls</b>           | Die formed cold rolled sheet steel (20 gauge) |
| <b>Housing Top</b>             | Die formed cold rolled sheet steel (18 gauge) |
| <b>Interior Brackets</b>       | Die formed cold rolled sheet steel (16 gauge) |
| <b>Mounting Plates</b>         | Die formed cold rolled sheet steel (22 gauge) |
| <b>Mounting brkts.</b>         | Die formed cold rolled sheet steel (16 gauge) |
| <b>Joining brackets.</b>       | Die formed cold rolled sheet steel (16 gauge) |
| <b>Incap &amp; Cross Brkt.</b> | Die cast aluminum                             |
| <b>Flanges</b>                 | Extruded aluminum                             |

## ● LENS

**Spotless Lens** Highly transmissive laser cut polycarbonate 0.060" thick with easy snap installation.



## ● FINISH

Highly reflective, white powder coat finish paint for high efficiency. Matte texture to diffuse glare and lamp image on the surface within the optical chamber exterior. Custom finishes are also available.

## ● APPROVALS

Certified to CSA standards   
Chicago Plenum Certified (CCEA) on request  
Meets NYC requirements  
Suitable for damp locations.  
IC Rated (Insulated ceiling)

## ● RECOGNITIONS

**IES 2013-** Recognized as a unique and significant advancement to the art and science of Lighting.

**NGL 2013-** Winner in the "Recognized" category.

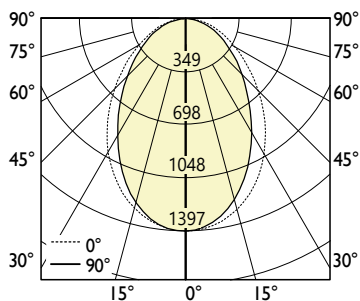
## ● WARRANTY

Limited 5-year warranty is available. Warranty is valid provided luminaires are installed and used according to specifications. For full terms and conditions, please consult warranty section at [axislighting.com](http://axislighting.com).

## ● PHOTOMETRIC DATA

### PHOTOMETRIC CURVE

4' LIN Section



**Luminaire Lumens: 2783 lm**

**Input Watts: 27.7 W**

**Efficacy: 100 lm/W**

IES FILE:

(4' LIN Section)

SK-LIN-AL(4)-700-80-35-SO.ies

TESTED ACCORDING TO IES LM-79-2019

### CANDELA DISTRIBUTION

| Vertical Angle | Horizontal Angles |      |      |      |      |
|----------------|-------------------|------|------|------|------|
|                | 0                 | 22.5 | 45   | 67.5 | 90   |
| 0              | 1397              | 1397 | 1397 | 1397 | 1397 |
| 5              | 1385              | 1382 | 1378 | 1375 | 1375 |
| 15             | 1299              | 1283 | 1260 | 1240 | 1232 |
| 25             | 1134              | 1104 | 1056 | 1010 | 997  |
| 35             | 913               | 876  | 812  | 757  | 741  |
| 45             | 676               | 641  | 582  | 535  | 522  |
| 55             | 464               | 437  | 394  | 362  | 353  |
| 65             | 296               | 278  | 251  | 232  | 227  |
| 75             | 168               | 155  | 138  | 126  | 121  |
| 85             | 57                | 45   | 32   | 25   | 23   |
| 90             | 3                 | 3    | 3    | 3    | 3    |

### ZONAL LUMENS

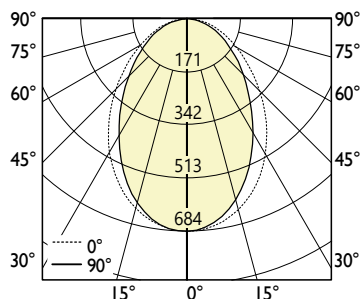
| Zone  | Lumens |
|-------|--------|
| 0     |        |
| 0-10  | 131    |
| 10-20 | 357    |
| 20-30 | 491    |
| 30-40 | 518    |
| 40-50 | 463    |
| 50-60 | 366    |
| 60-70 | 260    |
| 70-80 | 153    |
| 80-90 | 45     |
| 90    |        |

### LUMINANCE DATA (CD/M²)

| Vertical Angle | Horizontal Angles |      |      |
|----------------|-------------------|------|------|
|                | 0                 | 45   | 90   |
| 45             | 8808              | 7580 | 6796 |
| 55             | 7455              | 6331 | 5664 |
| 65             | 6456              | 5472 | 4946 |
| 75             | 5998              | 4922 | 4324 |
| 85             | 6048              | 3372 | 2442 |

### PHOTOMETRIC CURVE

D03 ARC Section



**Luminaire Lumens: 1364 lm**

**Input Watts: 13.81 W**

**Efficacy: 99 lm/W**

IES FILE:

(D03 ARC Section)

SK-10003-ARC-AL1FT11-9\_16IN-700-80-35-SO-W-UNV-DP-1-DF.ies

TESTED ACCORDING TO IES LM-79-2019

### CANDELA DISTRIBUTION

| Vertical Angle | Horizontal Angles |      |     |      |     |
|----------------|-------------------|------|-----|------|-----|
|                | 0                 | 22.5 | 45  | 67.5 | 90  |
| 0              | 684               | 684  | 684 | 684  | 684 |
| 5              | 678               | 677  | 675 | 674  | 674 |
| 15             | 637               | 629  | 618 | 607  | 604 |
| 25             | 556               | 541  | 517 | 495  | 488 |
| 35             | 447               | 429  | 398 | 371  | 363 |
| 45             | 331               | 314  | 285 | 262  | 256 |
| 55             | 227               | 214  | 193 | 177  | 173 |
| 65             | 145               | 136  | 123 | 114  | 111 |
| 75             | 83                | 76   | 68  | 62   | 60  |
| 85             | 28                | 22   | 16  | 12   | 11  |
| 90             | 1                 | 1    | 1   | 1    | 1   |

### ZONAL LUMENS

| Zone  | Lumens |
|-------|--------|
| 0     |        |
| 0-10  | 64     |
| 10-20 | 175    |
| 20-30 | 241    |
| 30-40 | 254    |
| 40-50 | 227    |
| 50-60 | 180    |
| 60-70 | 127    |
| 70-80 | 75     |
| 80-90 | 22     |
| 90    |        |

### LUMINANCE DATA (CD/M²)

| Vertical Angle | Horizontal Angles |      |      |
|----------------|-------------------|------|------|
|                | 0                 | 45   | 90   |
| 45             | 8798              | 7571 | 6788 |
| 55             | 7446              | 6323 | 5658 |
| 65             | 6448              | 5466 | 4941 |
| 75             | 5991              | 4916 | 4319 |
| 85             | 6041              | 3368 | 2439 |

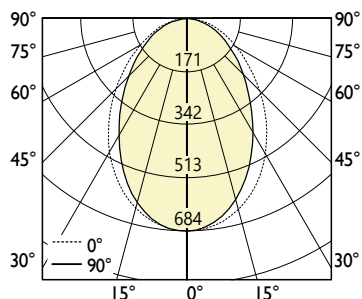
**i** All IES files are available for download at: [www.axislighting.com](http://www.axislighting.com)

**i** Patent pending

## ● PHOTOMETRIC DATA

### PHOTOMETRIC CURVE

D08 ARC Section



**Luminaire Lumens: 1364 lm**

**Input Watts: 14.31 W**

**Efficacy: 95 lm/W**

IES FILE:

(D08 ARC Section)

SK-10008-ARC-AL1FT11-9\_16IN-700-80-35-SO-W-UNV-DP-1-DF.ies

TESTED ACCORDING TO IES LM-79-2019

### CANDELA DISTRIBUTION

| Vertical Angle | Horizontal Angles |      |     |      |     |
|----------------|-------------------|------|-----|------|-----|
|                | 0                 | 22.5 | 45  | 67.5 | 90  |
| 0              | 684               | 684  | 684 | 684  | 684 |
| 5              | 678               | 677  | 675 | 674  | 674 |
| 15             | 637               | 629  | 618 | 607  | 604 |
| 25             | 556               | 541  | 517 | 495  | 488 |
| 35             | 447               | 429  | 398 | 371  | 363 |
| 45             | 331               | 314  | 285 | 262  | 256 |
| 55             | 227               | 214  | 193 | 177  | 173 |
| 65             | 145               | 136  | 123 | 114  | 111 |
| 75             | 83                | 76   | 68  | 62   | 60  |
| 85             | 28                | 22   | 16  | 12   | 11  |
| 90             | 1                 | 1    | 1   | 1    | 1   |

### ZONAL LUMENS

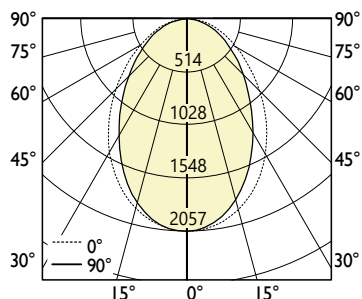
| Zone  | Lumens |
|-------|--------|
| 0     |        |
| 0-10  | 64     |
| 10-20 | 175    |
| 20-30 | 241    |
| 30-40 | 254    |
| 40-50 | 227    |
| 50-60 | 180    |
| 60-70 | 127    |
| 70-80 | 75     |
| 80-90 | 22     |
| 90    |        |

### LUMINANCE DATA (CD/M²)

| Vertical Angle | Horizontal Angles |      |      |
|----------------|-------------------|------|------|
|                | 0                 | 45   | 90   |
| 45             | 8798              | 7571 | 6788 |
| 55             | 7446              | 6323 | 5658 |
| 65             | 6448              | 5466 | 4941 |
| 75             | 5991              | 4916 | 4319 |
| 85             | 6041              | 3368 | 2439 |

### PHOTOMETRIC CURVE

D23 ARC Section



**Luminaire Lumens: 4098 lm**

**Input Watts: 39.6 W**

**Efficacy: 104 lm/W**

IES FILE:

(D23 ARC Section)

SK-10023-ARC-AL5FT11-16\_32IN-700-80-35-SO-W-UNV-DP-1-DF.ies

TESTED ACCORDING TO IES LM-79-2019

### CANDELA DISTRIBUTION

| Vertical Angle | Horizontal Angles |      |      |      |      |
|----------------|-------------------|------|------|------|------|
|                | 0                 | 22.5 | 45   | 67.5 | 90   |
| 0              | 2057              | 2057 | 2057 | 2057 | 2057 |
| 5              | 2039              | 2035 | 2029 | 2025 | 2025 |
| 15             | 1913              | 1889 | 1856 | 1825 | 1814 |
| 25             | 1670              | 1626 | 1555 | 1488 | 1467 |
| 35             | 1344              | 1290 | 1195 | 1115 | 1090 |
| 45             | 995               | 944  | 857  | 789  | 768  |
| 55             | 683               | 644  | 580  | 533  | 519  |
| 65             | 436               | 409  | 370  | 342  | 334  |
| 75             | 248               | 228  | 204  | 185  | 179  |
| 85             | 84                | 66   | 47   | 36   | 34   |
| 90             | 4                 | 4    | 4    | 4    | 4    |

### ZONAL LUMENS

| Zone  | Lumens |
|-------|--------|
| 0     |        |
| 0-10  | 192    |
| 10-20 | 525    |
| 20-30 | 724    |
| 30-40 | 763    |
| 40-50 | 681    |
| 50-60 | 539    |
| 60-70 | 382    |
| 70-80 | 225    |
| 80-90 | 66     |
| 90    |        |

### LUMINANCE DATA (CD/M²)

| Vertical Angle | Horizontal Angles |      |      |
|----------------|-------------------|------|------|
|                | 0                 | 45   | 90   |
| 45             | 8808              | 7580 | 6796 |
| 55             | 7455              | 6330 | 5664 |
| 65             | 6456              | 5472 | 4946 |
| 75             | 5998              | 4921 | 4324 |
| 85             | 6048              | 3372 | 2442 |

**i** All IES files are available for download at: [www.axislighting.com](http://www.axislighting.com)

**i** Patent pending