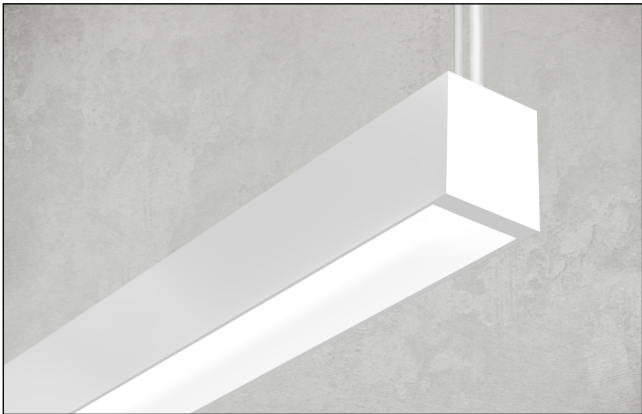
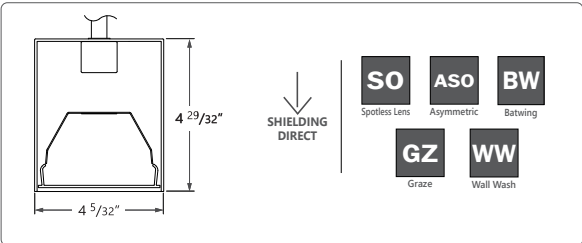




Project

Type

Notes



PERFORMANCE PER LINEAR FOOT AT 3500K, 80 CRI

| NOMINAL LUMEN OUTPUT | INPUT WATTS* | EFFICACY | SHIELDING |
|----------------------|--------------|----------|-----------|
| 1200 lm/ft           | 10.1 W/ft    | 111 lm/W | SO        |
| 1000 lm/ft           | 9.9 W/ft     | 100 lm/W | GZ        |
| 1000 lm/ft           | 9.8 W/ft     | 102 lm/W | WW        |
| 1000 lm/ft           | 9.8 W/ft     | 102 lm/W | ASO       |
| 1200 lm/ft           | 12 W/ft      | 100 lm/W | BW        |

\*Please consult factory for custom lumen output and wattage.



Ordering Guide

| EX4PD      |                |                                                                                                                                                             |                                       |                   |        |             |        |           |               |
|------------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-------------------|--------|-------------|--------|-----------|---------------|
| PRODUCT ID |                | NOM.LUMENS/FT                                                                                                                                               |                                       | CRI               |        | COLOR TEMP. |        | SHIELDING |               |
| EX4PD      | Extend 4       | 400                                                                                                                                                         | 400 lm/ft - Min.                      | 80                | 80 CRI | 30          | 3000 K | SO        | spotless lens |
|            | Pendant Direct | 1000                                                                                                                                                        | 1000 lm/ft - Max for<br>GZ, WW, ASO.* | 90                | 90 CRI | 35          | 3500 K | GZ        | Graze         |
|            |                |                                                                                                                                                             |                                       |                   |        | 40          | 4000 K | WW        | Wallwash      |
|            |                |                                                                                                                                                             | 1200                                  | 1200 lm/ft - Max. |        |             | 50     | 5000 K    | ASO           |
|            |                |                                                                                                                                                             |                                       |                   |        |             |        | BW        | Batwing       |
|            |                | Outputs between listed min and max are available.<br>* 1000 lm/ft max. only for GZ, WW and ASO.<br>Consult factory for outputs outside of the listed range. |                                       |                   |        |             |        |           |               |

## CONSTRUCTION

|                          |                                                                 |
|--------------------------|-----------------------------------------------------------------|
| <b>Housing</b>           | Extruded aluminum (0.08" nominal)<br>Up to 70% recycled content |
| <b>End Cap</b>           | Cast aluminum                                                   |
| <b>Interior Brackets</b> | Die formed sheet steel (18 gauge)                               |
| <b>Gaskets</b>           | Silicone rubber                                                 |
| <b>Lens Gaskets</b>      | Extruded elastomer                                              |
| <b>Lens</b>              | Extruded acrylic                                                |
| <b>Fasteners</b>         | All external fasteners are tamper proof<br>TORX T15             |

## OPTICS

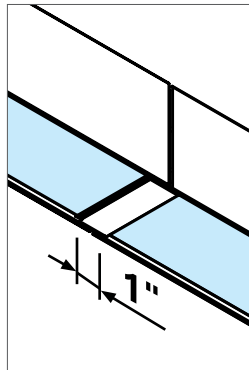


|            |                           |
|------------|---------------------------|
| <b>SO</b>  | Spotless lens;            |
| <b>ASO</b> | Asymmetric Spotless lens; |
| <b>WW</b>  | Wallwash;                 |
| <b>BW</b>  | Batwing;                  |
| <b>GZ</b>  | Graze.                    |

Impact modified PMMA lens used for all shielding options.

## SYSTEM (S(L))

Lengths of 2'-12' standalone are available. Runs of EXTEND4 that are greater than 12' in length are designated as systems (S(L)). System runs are comprised of a combination of 4' to 8' sections to be assembled on site using our joining system which includes a 1" sealed joiner plate. For more information on systems and joining, please refer to the EXTEND4 installation sheets available for download at [www.axislighting.com](http://www.axislighting.com).



## WEIGHT

|              |                  |
|--------------|------------------|
| <b>4 ft</b>  | 12 lbs / 5.4 kg  |
| <b>8 ft</b>  | 24 lbs / 10.8 kg |
| <b>12 ft</b> | 36 lbs / 16.2 kg |

## FINISH

Powder coated, custom finishes are available.

## OTHER MOUNTING OPTIONS

EXTEND 4 is also available with surface, wall and recessed mount options.

- i** Specification sheets and installation sheets for all mountings for EXTEND 4 luminaires are available for download at [www.axislighting.com](http://www.axislighting.com)

## ELECTRICAL

|                      |                                                                                                                                                                                                                            |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>DP</b>            | 0-10V dimming driver. Ambient operating temperature -30°C - +40°C                                                                                                                                                          |
| <b>DPX</b>           | 0-10V dimming driver with extended temperature range (-40°C - +50°C)                                                                                                                                                       |
| <b>Lutron driver</b> | <b>LDE1</b> - Hi-lume 1% EcoSystem with Soft-on, Fade-to-Black (min ambient operating temperature - 0°C (32°F)).                                                                                                           |
| <b>Other drivers</b> | <b>DALI*</b> - Digital Addressable Lighting Interface<br><b>DMX*</b> - Digital Multiplex<br><b>Xitanium SR*</b> - For wireless sensor<br><b>DPX</b> - 0-10V dimming driver with extended temperature range (-40°C - +50°C) |

Choose driver from available options.

\* Ambient operating range: -20°C - +40°C

|                      |                                                                                                                                                                                                                                                                            |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Emergency</b>     | <b>B(#)</b> Integral Emergency Battery pack, 3ft minimum. Operating temperature (-20° to 50°C) for 120V to 277V; (0°C to 50°C) for 347V<br><b>BR(#)</b> Remote emergency battery pack operating temperature range (-20°C- +50°C) for 120V to 277V; (0°C - +50°C) for 347V. |
| <b>Input Voltage</b> | 120V, 277V, 347V, UNV.                                                                                                                                                                                                                                                     |

**Surge Protection** Extend comes standard with surge protection device.

- 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>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>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 wet location rated IP66 for outdoor or indoor use.                                                                                                            |

## APPROVALS

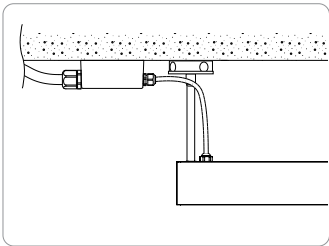
Certified wet locations to UL and CUL standards. IP66 and IK10 rated.

## WARRANTY

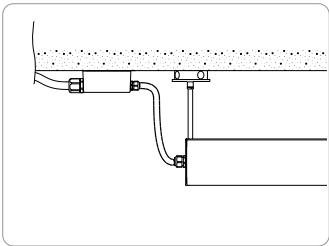
Limited 5-year warranty is available. Warranty is valid provided luminaires are installed and used according to specifications. For full terms and conditions, please consult warranty section at [axislighting.com](http://axislighting.com).

● MOUNTING OPTIONS

SA STEM MOUNT IN SOLID CEILING

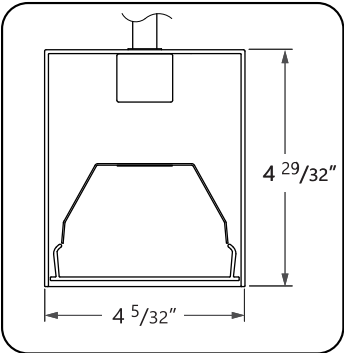


TOP FEED (STANDARD)



EF END FEED (OPTIONAL)

● SECTION VIEWS

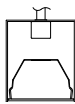


- SO Spotless lens
- ASO Asymm. lens
- GZ Graze lens
- WW Wallwash lens
- BW Batwing lens

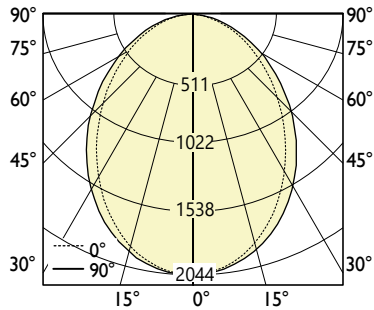
## ● PHOTOMETRIC DATA

### SO Spotless lens

1200 lm/ft



### PHOTOMETRIC CURVE



**Lumen/ft: 1200 lm/ft**  
**Total Lumens: 4778 lm (for 4ft)**  
**Input Watts: 43 W**  
**Efficacy: 111 lm/W**

IES FILE: EX4PD-1200-80-35-SO-4.IES

TESTED ACCORDING TO IES LM-79-2019

### CANDELA DISTRIBUTION

| Vertical Angle | Horizontal Angles |      |      |      |      |
|----------------|-------------------|------|------|------|------|
|                | 0                 | 22.5 | 45   | 67.5 | 90   |
| 0              | 2044              | 2044 | 2044 | 2044 | 2044 |
| 5              | 2031              | 2030 | 2029 | 2027 | 2029 |
| 15             | 1924              | 1919 | 1910 | 1896 | 1895 |
| 25             | 1723              | 1711 | 1691 | 1660 | 1654 |
| 35             | 1454              | 1437 | 1404 | 1366 | 1355 |
| 45             | 1148              | 1130 | 1098 | 1058 | 1046 |
| 55             | 838               | 823  | 800  | 765  | 755  |
| 65             | 544               | 535  | 519  | 492  | 485  |
| 75             | 270               | 265  | 259  | 241  | 239  |
| 85             | 53                | 55   | 57   | 51   | 52   |
| 90             | 4                 | 4    | 4    | 4    | 4    |

### ZONAL LUMENS

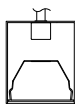
| Zone  | Lumens |
|-------|--------|
| 0     |        |
| 0-10  | 192    |
| 10-20 | 537    |
| 20-30 | 776    |
| 30-40 | 877    |
| 40-50 | 845    |
| 50-60 | 710    |
| 60-70 | 507    |
| 70-80 | 268    |
| 80-90 | 64     |
| 90    |        |

### LUMINANCE DATA (cd/m²)

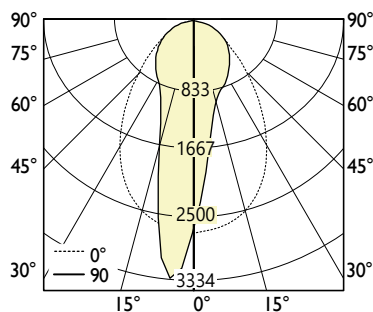
| Vertical Angle | Horizontal Angles |       |       |
|----------------|-------------------|-------|-------|
|                | 0                 | 45    | 90    |
| 45             | 13853             | 13256 | 12621 |
| 55             | 12467             | 11907 | 11233 |
| 65             | 10983             | 10489 | 9790  |
| 75             | 8889              | 8536  | 7895  |
| 85             | 5193              | 5539  | 5081  |

### GZ Graze lens

1000 lm/ft



### PHOTOMETRIC CURVE



**Lumen/ft: 1000 lm/ft**  
**Total Lumens: 3957 lm (for 4ft)**  
**Input Watts: 39.7 W**  
**Efficacy: 100 lm/W**

IES FILE: EX4PD-1000-80-35-GZ-4.IES

TESTED ACCORDING TO IES LM-79-2019

### CANDELA DISTRIBUTION

| Vertical Angle | Horizontal Angles |      |      |      |      |
|----------------|-------------------|------|------|------|------|
|                | 0                 | 22.5 | 45   | 67.5 | 90   |
| 0              | 3026              | 3026 | 3026 | 3026 | 3026 |
| 5              | 3024              | 2747 | 2528 | 2349 | 2312 |
| 15             | 2842              | 2097 | 1643 | 1427 | 1376 |
| 25             | 2431              | 1523 | 1165 | 1066 | 1049 |
| 35             | 1810              | 1100 | 906  | 878  | 877  |
| 45             | 1134              | 779  | 703  | 709  | 726  |
| 55             | 656               | 515  | 509  | 551  | 579  |
| 65             | 358               | 314  | 326  | 379  | 409  |
| 75             | 160               | 152  | 164  | 195  | 210  |
| 85             | 32                | 34   | 39   | 37   | 37   |
| 90             | 4                 | 5    | 5    | 4    | 4    |

### ZONAL LUMENS

| Zone  | Lumens |
|-------|--------|
| 0     |        |
| 0-10  | 266    |
| 10-20 | 600    |
| 20-30 | 703    |
| 30-40 | 701    |
| 40-50 | 623    |
| 50-60 | 497    |
| 60-70 | 345    |
| 70-80 | 179    |
| 80-90 | 42     |
| 90    |        |

### LUMINANCE DATA (cd/m²)

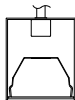
| Vertical Angle | Horizontal Angles |      |      |
|----------------|-------------------|------|------|
|                | 0                 | 45   | 90   |
| 45             | 13502             | 8371 | 8645 |
| 55             | 9633              | 7475 | 8503 |
| 65             | 7143              | 6505 | 8143 |
| 75             | 5219              | 5331 | 6841 |
| 85             | 3066              | 3770 | 3528 |

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

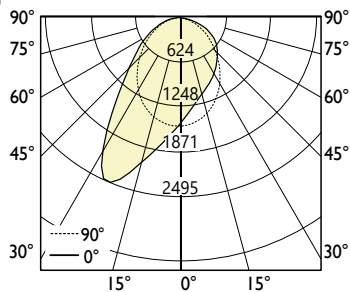
## ● PHOTOMETRIC DATA

## WW Wallwash lens

1000 lm/ft



## PHOTOMETRIC CURVE



Lumen/ft: 1000 lm/ft  
 Total Lumens: 3984 lm (for 4ft)  
 Input Watts: 39.2 W  
 Efficacy: 102 lm/W  
 IES FILE: EX4PD-1000-80-35-WW-4.IES

TESTED ACCORDING TO IES LM-79-2019

## CANDELA DISTRIBUTION

| Vertical Angle | Horizontal Angles |      |      |      |      |
|----------------|-------------------|------|------|------|------|
|                | 0                 | 22.5 | 45   | 67.5 | 90   |
| 0              | 1573              | 1573 | 1573 | 1573 | 1573 |
| 5              | 1564              | 1496 | 1450 | 1411 | 1405 |
| 15             | 1470              | 1297 | 1200 | 1148 | 1137 |
| 25             | 1286              | 1070 | 995  | 979  | 983  |
| 35             | 1042              | 852  | 827  | 854  | 874  |
| 45             | 775               | 645  | 664  | 722  | 760  |
| 55             | 532               | 460  | 495  | 586  | 641  |
| 65             | 329               | 294  | 329  | 425  | 475  |
| 75             | 159               | 146  | 170  | 225  | 251  |
| 85             | 31                | 32   | 40   | 43   | 46   |
| 90             | 4                 | 5    | 6    | 6    | 6    |

## ZONAL LUMENS

| Zone  | Lumens |
|-------|--------|
| 0     |        |
| 0-10  | 150    |
| 10-20 | 447    |
| 20-30 | 703    |
| 30-40 | 786    |
| 40-50 | 706    |
| 50-60 | 560    |
| 60-70 | 386    |
| 70-80 | 199    |
| 80-90 | 47     |
| 90    |        |

## LUMINANCE DATA (cd/m²)

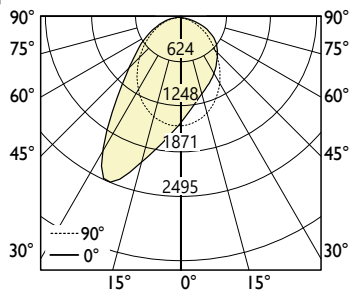
| Vertical Angle | Horizontal Angles |      |      |
|----------------|-------------------|------|------|
|                | 0                 | 45   | 90   |
| 45             | 9226              | 7902 | 9054 |
| 55             | 7814              | 7266 | 9406 |
| 65             | 6549              | 6563 | 9457 |
| 75             | 5186              | 5521 | 8157 |
| 85             | 3004              | 3873 | 4425 |

## ASO Asy. Flush Lens

1000 lm/ft



## PHOTOMETRIC CURVE



Lumen/ft: 1000 lm/ft  
 Total Lumens: 3984 lm (for 4ft)  
 Input Watts: 39.2 W  
 Efficacy: 102 lm/W  
 IES FILE: EX4PD-1000-80-35-ASO-4.IES

TESTED ACCORDING TO IES LM-79-2019

## CANDELA DISTRIBUTION

| Vertical Angle | Horizontal Angles |      |      |      |      |
|----------------|-------------------|------|------|------|------|
|                | 0                 | 22.5 | 45   | 67.5 | 90   |
| 0              | 1573              | 1573 | 1573 | 1573 | 1573 |
| 5              | 1564              | 1496 | 1450 | 1411 | 1405 |
| 15             | 1470              | 1297 | 1200 | 1148 | 1137 |
| 25             | 1286              | 1070 | 995  | 979  | 983  |
| 35             | 1042              | 852  | 827  | 854  | 874  |
| 45             | 775               | 645  | 664  | 722  | 760  |
| 55             | 532               | 460  | 495  | 586  | 641  |
| 65             | 329               | 294  | 329  | 425  | 475  |
| 75             | 159               | 146  | 170  | 225  | 251  |
| 85             | 31                | 32   | 40   | 43   | 46   |
| 90             | 4                 | 5    | 6    | 6    | 6    |

## ZONAL LUMENS

| Zone  | Lumens |
|-------|--------|
| 0     |        |
| 0-10  | 150    |
| 10-20 | 447    |
| 20-30 | 703    |
| 30-40 | 786    |
| 40-50 | 706    |
| 50-60 | 560    |
| 60-70 | 386    |
| 70-80 | 199    |
| 80-90 | 47     |
| 90    |        |

## LUMINANCE DATA (cd/m²)

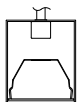
| Vertical Angle | Horizontal Angles |      |      |
|----------------|-------------------|------|------|
|                | 0                 | 45   | 90   |
| 45             | 9226              | 7902 | 9054 |
| 55             | 7814              | 7266 | 9406 |
| 65             | 6549              | 6563 | 9457 |
| 75             | 5186              | 5521 | 8157 |
| 85             | 3004              | 3873 | 4425 |

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

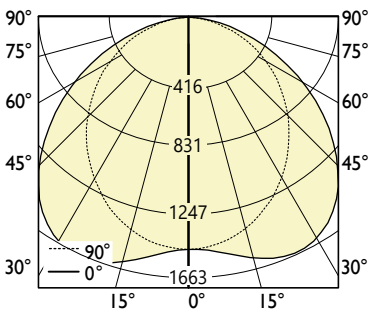
● PHOTOMETRIC DATA

BW Batwing lens

1200 lm/ft



PHOTOMETRIC CURVE



Lumen/ft: 1200 lm/ft  
Total Lumens: 4786 lm (for 4ft)  
Input Watts: 48 W  
Efficacy: 100 lm/W

IES FILE: EX4PD-1200-80-35-BW-4.IES

TESTED ACCORDING TO IES LM-79-2019

CANDELA DISTRIBUTION

| Vertical Angle | Horizontal Angles |      |      |      |      |
|----------------|-------------------|------|------|------|------|
|                | 0                 | 22.5 | 45   | 67.5 | 90   |
| 0              | 1557              | 1557 | 1557 | 1557 | 1557 |
| 5              | 1547              | 1547 | 1553 | 1561 | 1563 |
| 15             | 1457              | 1479 | 1540 | 1599 | 1621 |
| 25             | 1298              | 1359 | 1502 | 1614 | 1656 |
| 35             | 1093              | 1196 | 1402 | 1541 | 1587 |
| 45             | 872               | 991  | 1224 | 1345 | 1378 |
| 55             | 649               | 758  | 968  | 1047 | 1061 |
| 65             | 429               | 507  | 658  | 689  | 683  |
| 75             | 218               | 255  | 334  | 326  | 315  |
| 85             | 44                | 55   | 68   | 60   | 62   |
| 90             | 5                 | 5    | 6    | 7    | 8    |

ZONAL LUMENS

| Zone  | Lumens |
|-------|--------|
| 0     |        |
| 0-10  | 149    |
| 10-20 | 437    |
| 20-30 | 688    |
| 30-40 | 855    |
| 40-50 | 897    |
| 50-60 | 800    |
| 60-70 | 585    |
| 70-80 | 305    |
| 80-90 | 69     |
| 90    |        |

LUMINANCE DATA (cd/m²)

| Vertical Angle | Horizontal Angles |       |       |
|----------------|-------------------|-------|-------|
|                | 0                 | 45    | 90    |
| 45             | 10386             | 14580 | 16414 |
| 55             | 9531              | 14208 | 15570 |
| 65             | 8548              | 13119 | 13614 |
| 75             | 7083              | 10861 | 10261 |
| 85             | 4253              | 6584  | 5962  |

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