

**FIXTURE SPECIFICATIONS**

**INTENDED USE**

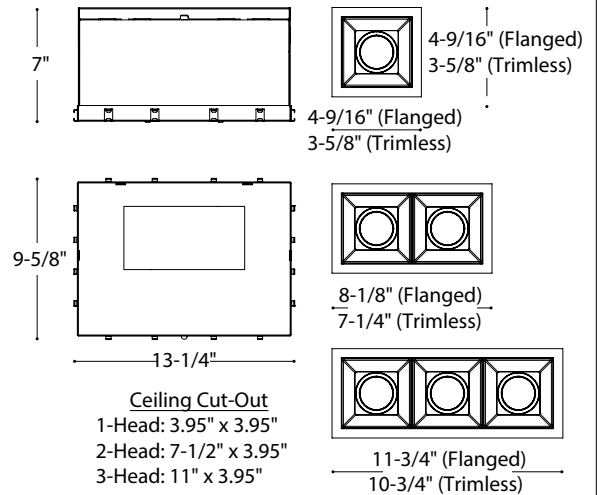
The specification grade Oculare Architectural LED Multiple Recessed Lighting System is ideal for retail and commercial recessed can light applications. The Oculare Recessed multiple lights are available in one, two, and three lamp linear configurations and features direct, adjustable or wall wash lighting.

**FEATURES**

- Voltage:** 120-277V, 50/60 Hz
- Lumens:** 1000lm per head
- Wattage:** 12W per Head
- CRI:** 90+
- Optics:** : 25° Spot, 38° Narrow Flood, 60° Flood are included. Optics are field changeable.
- Lens:** Frosted acrylic glass
- Dimming:** Triac / ELV / 0-10V dimming
- Warm Dimming:** Dims from 3100K to 2000K. 800lm only.
- Life:** 60,000 Hours
- Warranty:** 5 Years Carefree for Parts & Components (Labor not included)
- Listing:** cULus, Title 24 JA8



Design



**ORDERING INFORMATION** Example: (14310-3-FD-WW-35K)

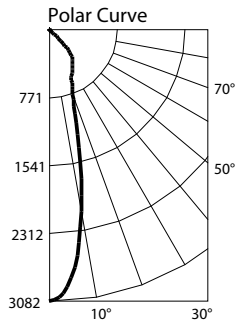
| Model        | Heads           | Design<br><small>Use / for more than 1 head (XX/XX/XX)</small> | Finish                             | Color Temp                         |
|--------------|-----------------|--|------------------------------------|------------------------------------|
| <b>14310</b> | <b>1</b> 1 Head | <b>FD</b> Fixed Downlight                                      | <b>TW</b> Trimless White Reflector | <b>27K</b> 2700K                   |
|              | <b>2</b> 2 Head | <b>AH</b> Adjustable   | <b>TB</b> Trimless Black Reflector | <b>30K</b> 3000K                   |
|              | <b>3</b> 3 Head | <b>WW</b> Wall Wash  | <b>WW</b> White Trim/Reflector     | <b>35K</b> 3500K                   |
|              |                 |  | <b>BB</b> Black Trim/Reflector     | <b>40K</b> 4000K                   |
|              |                 |  |                                    | <b>50K</b> 5000K                   |
|              |                 |  |                                    | <b>WD<sup>1</sup></b> Warm Dimming |

<sup>1</sup> Dims from 3100K to 2000K. 800lm only.

**FIXED DOWNLIGHT PHOTOMETRICS**

**Test Information**

**Part Number:**  
14310-1-FD-BB-40K  
**Beam Spread:** 26° Spot  
**Lumens:** 1361lm  
**Wattage:** 11.65W  
**Efficacy:** 117lpw  
**CCT / CRI:** 4000K / 90 CRI  
**Spacing Criteria (0°-180):** 0.44  
**Spacing Criteria (90°-270):** 0.44



**Illuminance at a Distance**

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 4'                      | 193fc       | 1'-10"        |
| 6'                      | 85.6fc      | 2'-10"        |
| 8'                      | 48.2fc      | 3'-8"         |
| 10'                     | 30.8fc      | 4'-7"         |
| 12'                     | 21.4fc      | 5'-6"         |

**Zonal Lumen Summary**

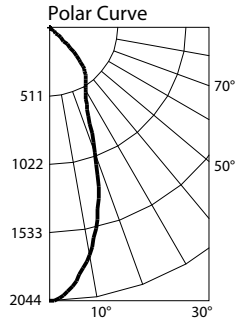
| Zone   | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30   | 868    | 63.8        |
| 0-40   | 1157   | 85          |
| 0-60   | 1346   | 98.9        |
| 0-90   | 1349   | 99.1        |
| 90-180 | 12     | 0.9         |
| 0-180  | 1361   | 100         |

**Candela Table**

| Vertical Angles | Candela |
|-----------------|---------|
| 0               | 3082    |
| 5               | 2821    |
| 15              | 1208    |
| 25              | 595     |
| 35              | 464     |
| 45              | 227     |

**Test Information**

**Part Number:**  
14310-1-FD-BB-40K  
**Beam Spread:** 38° Narrow  
**Flood Lumens:** 1368lm  
**Wattage:** 11.65W  
**Efficacy:** 117lpw  
**CCT / CRI:** 4000K / 90 CRI  
**Spacing Criteria (0°-180):** 0.64  
**Spacing Criteria (90°-270):** 0.64



**Illuminance at a Distance**

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 4'                      | 127fc       | 2'-10"        |
| 6'                      | 56.5fc      | 4'-4"         |
| 8'                      | 31.8fc      | 5'-8"         |
| 10'                     | 20.4fc      | 7'-1"         |
| 12'                     | 14.1fc      | 8'-6"         |

**Zonal Lumen Summary**

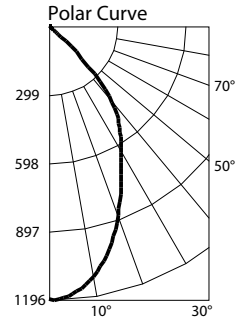
| Zone   | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30   | 867    | 63.4        |
| 0-40   | 1152   | 84.2        |
| 0-60   | 1354   | 99          |
| 0-90   | 1361   | 99.5        |
| 90-180 | 7      | 0.5         |
| 0-180  | 1368   | 100         |

**Candela Table**

| Vertical Angles | Candela |
|-----------------|---------|
| 0               | 2036    |
| 5               | 1942    |
| 15              | 1386    |
| 25              | 654     |
| 35              | 455     |
| 45              | 237     |

**Test Information**

**Part Number:**  
14310-1-FD-BB-40K  
**Beam Spread:** 60° Flood  
**Lumens:** 1340lm  
**Wattage:** 11.64W  
**Efficacy:** 115lpw  
**CCT / CRI:** 4000K / 90 CRI  
**Spacing Criteria (0°-180):** 0.9  
**Spacing Criteria (90°-270):** 0.9



**Illuminance at a Distance**

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 4'                      | 53.8fc      | 4'-11"        |
| 6'                      | 23.9fc      | 7'-5"         |
| 8'                      | 13.5fc      | 9'-11"        |
| 10'                     | 8.6fc       | 12'-5"        |
| 12'                     | 6fc         | 14'-10"       |

**Zonal Lumen Summary**

| Zone   | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30   | 750    | 55.9        |
| 0-40   | 1095   | 81.7        |
| 0-60   | 1323   | 98.7        |
| 0-90   | 1333   | 99.5        |
| 90-180 | 7      | 0.5         |
| 0-180  | 1340   | 100         |

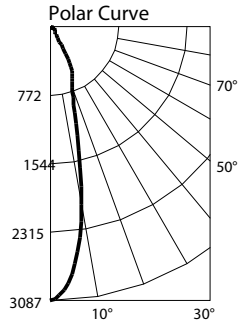
**Candela Table**

| Vertical Angles | Candela |
|-----------------|---------|
| 0               | 1194    |
| 5               | 1178    |
| 15              | 1033    |
| 25              | 763     |
| 35              | 557     |
| 45              | 258     |

## ADJUSTABLE HEAD PHOTOMETRICS

### Test Information

**Part Number:**  
 14310-1-AD-BB-40K  
**Beam Spread:** 25° Spot  
**Lumens:** 1116lm  
**Wattage:** 11.63W  
**Efficacy:** 96lpw  
**CCT / CRI:** 4000K / 90 CRI  
**Spacing Criteria (0°-180):** 0.44  
**Spacing Criteria (90°-270):** 0.44



### Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 4'                      | 193fc       | 1'-10"        |
| 6'                      | 85.8fc      | 2'-8"         |
| 8'                      | 48.2fc      | 3'-6"         |
| 10'                     | 30.9fc      | 4'-5"         |
| 12'                     | 21.4fc      | 5'-4"         |

### Zonal Lumen Summary

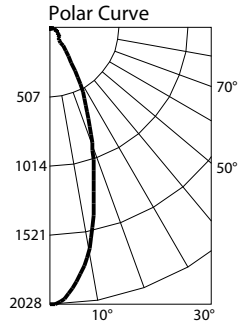
| Zone   | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30   | 824    | 73.8        |
| 0-40   | 921    | 82.5        |
| 0-60   | 1045   | 93.6        |
| 0-90   | 1111   | 99.5        |
| 90-180 | 6      | 0.5         |
| 0-180  | 1116   | 100         |

### Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0               | 3087    |
| 5               | 2834    |
| 15              | 1120    |
| 25              | 574     |
| 35              | 122     |
| 45              | 84      |

### Test Information

**Part Number:**  
 14310-1-AD-BB-40K  
**Beam Spread:** 38° Narrow  
**Flood Lumens:** 1096lm  
**Wattage:** 11.62W  
**Efficacy:** 94lpw  
**CCT / CRI:** 4000K / 90 CRI  
**Spacing Criteria (0°-180):** 0.6  
**Spacing Criteria (90°-270):** 0.6



### Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 4'                      | 127fc       | 2'-7"         |
| 6'                      | 56.3fc      | 3'-11"        |
| 8'                      | 31.7fc      | 5'-2"         |
| 10'                     | 20.3fc      | 6'-6"         |
| 12'                     | 14.1fc      | 7'-10"        |

### Zonal Lumen Summary

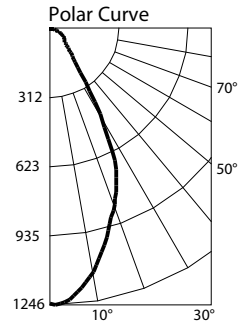
| Zone   | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30   | 796    | 72.6        |
| 0-40   | 896    | 81.8        |
| 0-60   | 1023   | 93.3        |
| 0-90   | 1091   | 99.5        |
| 90-180 | 5      | 0.5         |
| 0-180  | 1096   | 100         |

### Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0               | 2028    |
| 5               | 1918    |
| 15              | 1239    |
| 25              | 619     |
| 35              | 126     |
| 45              | 85      |

### Test Information

**Part Number:**  
 14310-1-AD-BB-40K  
**Beam Spread:** 60° Flood  
**Lumens:** 1060lm  
**Wattage:** 11.62W  
**Efficacy:** 91lpw  
**CCT / CRI:** 4000K / 90 CRI  
**Spacing Criteria (0°-180):** 0.84  
**Spacing Criteria (90°-270):** 0.84



### Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 4'                      | 77.9fc      | 4'-1"         |
| 6'                      | 34.6fc      | 6'-1"         |
| 8'                      | 19.5fc      | 8'-1"         |
| 10'                     | 12.5fc      | 10'-1"        |
| 12'                     | 8.7fc       | 12'-2"        |

### Zonal Lumen Summary

| Zone   | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30   | 701    | 66.1        |
| 0-40   | 849    | 80.1        |
| 0-60   | 986    | 93.1        |
| 0-90   | 1055   | 99.6        |
| 90-180 | 5      | 0.4         |
| 0-180  | 1060   | 100         |

### Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0               | 1246    |
| 5               | 1221    |
| 15              | 982     |
| 25              | 708     |
| 35              | 208     |
| 45              | 93      |

## WALL WASH PHOTOMETRICS

### Test Information

**Part Number:**

14310-1-WW-BB-40K

**Lumens:** 586lm

**Wattage:** 11.85W

**Efficacy:** 49lpw

**CCT / CRI:** 4000K / 90 CRI

**Spacing Criteria (0°-180):** 0.9

**Spacing Criteria (90°-270):** 1.28

Multiple unit data (footcandles)

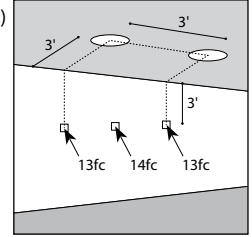
| Distance from ceiling (ft.) | 2' from wall |    |    |
|-----------------------------|--------------|----|----|
|                             | 2' on center |    |    |
|                             |              |    |    |
| 1'                          | 31           | 28 | 31 |
| 2'                          | 30           | 31 | 30 |
| 3'                          | 17           | 18 | 17 |
| 4'                          | 10           | 10 | 10 |
| 5'                          | 6            | 6  | 6  |
| 6'                          | 4            | 4  | 4  |
| 7'                          | 2            | 2  | 2  |
| 8'                          | 2            | 2  | 2  |
| 9'                          | 1            | 1  | 1  |
| 10'                         | 1            | 1  | 1  |

Multiple unit data (footcandles)

| Distance from ceiling (ft.) | 2' from wall |    |    |
|-----------------------------|--------------|----|----|
|                             | 3' on center |    |    |
|                             |              |    |    |
| 1'                          | 28           | 16 | 28 |
| 2'                          | 25           | 22 | 25 |
| 3'                          | 15           | 15 | 15 |
| 4'                          | 8            | 9  | 8  |
| 5'                          | 5            | 5  | 5  |
| 6'                          | 3            | 4  | 3  |
| 7'                          | 2            | 2  | 2  |
| 8'                          | 2            | 2  | 2  |
| 9'                          | 1            | 1  | 1  |
| 10'                         | 1            | 1  | 1  |

Multiple unit data (footcandles)

| Distance from ceiling (ft.) | 3' from wall |    |    |
|-----------------------------|--------------|----|----|
|                             | 3' on center |    |    |
|                             |              |    |    |
| 1'                          | 8            | 7  | 8  |
| 2'                          | 16           | 15 | 16 |
| 3'                          | 13           | 14 | 13 |
| 4'                          | 9            | 10 | 9  |
| 5'                          | 6            | 7  | 6  |
| 6'                          | 4            | 5  | 4  |
| 7'                          | 3            | 3  | 3  |
| 8'                          | 2            | 2  | 2  |
| 9'                          | 2            | 2  | 2  |
| 10'                         | 1            | 1  | 1  |



**Example:** Two luminaires located 3' from wall and spaced 3' on center, the illumination on the wall 3' down from ceiling will be 13fc beneath and 14fc between luminaires.