Recess Pinhole Warm Glow Dimming Downlight

An elegant solution for a variety of applications. Featuring clean, architectural grade finishes and beautiful light that shifts to warm as you dim, the Recess Pinhole installs beautifully into all ceiling types, including drywall, stone, and wood and makes every space look its best.

- **Ideal Applications:** Small-Scaled Spaces
- **Recommended for Ceiling Height:** 8’ – 14’
- **Light Type:** White light that shifts to warm as you dim, indistinguishable from incandescent

**PINHOLE DOWNLIGHT PERFORMANCE DATA**

<table>
<thead>
<tr>
<th>Shape</th>
<th>Round</th>
<th>Square</th>
</tr>
</thead>
<tbody>
<tr>
<td>Regress</td>
<td>1/4” D0</td>
<td>1” D1</td>
</tr>
<tr>
<td>Delivered Lumens</td>
<td>350</td>
<td>275</td>
</tr>
<tr>
<td>Lumens Per Watt</td>
<td>22</td>
<td>17</td>
</tr>
<tr>
<td>Source Lumens</td>
<td>1400</td>
<td></td>
</tr>
<tr>
<td>Wattage</td>
<td>15W</td>
<td></td>
</tr>
<tr>
<td>CCT</td>
<td>3000K dimmable to 2200K</td>
<td></td>
</tr>
<tr>
<td>CRI</td>
<td>90+</td>
<td></td>
</tr>
<tr>
<td>Beamspread</td>
<td>Wide Beam / Straight Down</td>
<td></td>
</tr>
</tbody>
</table>

**Average light levels are provided in the tables above, for a range of lighting fixture layouts and ceiling heights. All illuminance values are reported in average footcandles (fc) and measured at the workplane, 30” above the floor.**

### Warm Glow Dimming

- **Light levels at:**
  - 8’ 10’ 12’ 14’
  - 1/4” Regress RD 14 12 11 10
  - 1/4” Regress SQ 17 15 13 12
  - 1” Regress RD 11 9 8 7
  - 1” Regress SQ 13 11 10 9

### 4’ x 4’ LAYOUT

- **Light levels at:**
  - 8’ 10’ 12’ 14’
  - 1/4” Regress RD 17 14 12 11
  - 1/4” Regress SQ 21 17 15 13
  - 1” Regress RD 13 11 10 9
  - 1” Regress SQ 16 13 12 10

### 5’ x 5’ LAYOUT

- **Light levels at:**
  - 8’ 10’ 12’ 14’
  - 1/4” Regress RD 13 11 10 9
  - 1/4” Regress SQ 16 13 12 10
  - 1” Regress RD 9 7 6 5
  - 1” Regress SQ 11 9 8 7

### 6’ x 6’ LAYOUT

- **Light levels at:**
  - 8’ 10’ 12’ 14’
  - 1/4” Regress RD 10 10 9 8
  - 1/4” Regress SQ 13 12 11 10
  - 1” Regress RD 7 7 6 5
  - 1” Regress SQ 9 9 8 7

### 8’ x 8’ LAYOUT

- **Light levels at:**
  - 8’ 10’ 12’ 14’
  - 1/4” Regress RD 7 6 5 4
  - 1/4” Regress SQ 8 7 6 5
  - 1” Regress RD 6 5 4 3
  - 1” Regress SQ 7 6 5 4

All light levels are average illuminance on work plane (2.5’ AFF) in foot candles.

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HOW TO SPECIFY

Recess Pinhole
Warm Glow Dimming Downlight

Six Easy Steps to Specify

1. Select Housing Type

   For Ceilings without Insulation
   New Construction Housing (NC)

   For Insulated Ceilings
   Insulation Contact - Rated for Direct (IC)
   Contact with Insulation Materials

2. Select Dimming Control Type - Smooth Dimming to 1% Standard

   0-10V Low Voltage Dimming (IV16A)
   Phased Line Voltage Dimming (IP16A)

3. Select Shape

   Round - 1/4" Regress (D0)
   Round - 1" Regress (D1)
   Square - 1/4" Regress (D0)
   Square - 1" Regress (D1)

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**Select Trim Style For Ceiling Type**

<table>
<thead>
<tr>
<th>Trim Style</th>
<th>Ceiling Type</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trimmed (F)</td>
<td>All Ceiling Types</td>
<td>For recessed applications.</td>
</tr>
<tr>
<td>Flush Mount (P)</td>
<td>Sheetrock Ceilings Only</td>
<td>(Must be spackled in).</td>
</tr>
</tbody>
</table>

**Select Glass Lens**

- **Solite (S)**: Light diffusion with the most efficiency.
- **Frosted (F)**: Medium diffusion for softer light output, approximately 12% less light output.

**Select Trim Finish**

- **White (WH)**: Provided standard (WH)
- **Black (BL)**
- **Statuary Bronze (BZ)**
- **Metalized Grey (GR)**
- **Primer (PR)**

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**How to Specify**

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Light Fixture Type</th>
<th>LED + Control</th>
<th>Options</th>
<th>Revision</th>
</tr>
</thead>
<tbody>
<tr>
<td>USAI Lighting</td>
<td>2DL Pinhole Downlight, 16W</td>
<td>WD1 LED Color: <strong>WD1</strong> Warm Glow Dimming from 3000K, 90+ CRI at 100% output to 2200K at lowest output</td>
<td>I Beam Spread: <strong>I</strong> 50° Beam</td>
<td>00</td>
</tr>
</tbody>
</table>
HOW TO SPECIFY

Recess Pinhole
Warm Glow Dimming Downlight

RECESS PINHOLE SPECIFICATIONS

FIELD REPLACEABLE LED LIGHT ENGINE
is serviceable through the aperture with a Philips screwdriver. All USAI Lighting LED light engines feature industry-leading color consistency. Warm Glow dimming light engines gradually shift color to a warm 2200K when dimmed, indistinguishable from incandescent.

FIELD REPLACEABLE DIMMING DRIVER
is serviceable from below the ceiling through the aperture. Each solid state electronic constant current driver has a high power factor and sources 2mA. Drivers comply with IEEE C62.41 surge protection. Some on-time delay may be experienced depending on control system used.

FIXTURE WEIGHT
Standard housing with trim weighs 5.5 lbs, 16W IC housing weighs 10 lbs.

HOUSING
Universal housing style allows the ability to swap trim styles between Downlight, Adjustable and Wall Wash. Fabricated of 18 ga. black powder coated steel with thru wire J-box, 2 in 2 out at min. 90°C, #12 AWG thru branch circuit wiring. IC housings are rated for direct contact with insulation up to R30 or less.

MOUNTING
Butterfly brackets and adjustable nailer bars with integral nails provided. Nailer bars are extendible from 14” to 24” centers. Channel bars optionally available for dropped ceiling installation.

CEILING CUT OUT
3-5/8” Ø

LISTINGS
Dry/Damp/Wet. NRTL/CSA-US Tested to UL Standards. IBEW Union made. NC housing is UL2043 rated for use in Air Handling Plenum.

NOTES
• Not for use in corrosive environment
• Use spackle collar accessory for flush-mount, spackle-in sheetrock applications
• Interior use only.

PHOTOMETRICS
Consult factory or website for IES files. Tested in accordance with IESNA LM79.