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 3 installs beautifully into all ceiling types, including drywall, stone, and wood and makes every space look its best.

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

### 3” DOWNLIGHT PERFORMANCE DATA

<table>
<thead>
<tr>
<th>Shape</th>
<th>Round</th>
<th>Square</th>
</tr>
</thead>
<tbody>
<tr>
<td>Delivered Lumens:</td>
<td>675</td>
<td>675</td>
</tr>
<tr>
<td>Lumens Per Watt:</td>
<td>38</td>
<td>38</td>
</tr>
<tr>
<td>Source Lumens:</td>
<td>950</td>
<td></td>
</tr>
<tr>
<td>Wattage:</td>
<td>18W</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>50°</td>
<td>Wide Beam / Straight Down</td>
</tr>
</tbody>
</table>

### Photograph: Steve Mundinger Photography

### 3” DOWNLIGHT PERFORMANCE DATA

<table>
<thead>
<tr>
<th>Layout</th>
<th>Ceiling Height</th>
<th>Light Levels at:</th>
</tr>
</thead>
<tbody>
<tr>
<td>4’ x 4’</td>
<td>8’ 10’ 12’ 14’</td>
<td>37 33 30 27 (fc) foot candles</td>
</tr>
<tr>
<td>5’ x 5’</td>
<td>8’ 10’ 12’ 14’</td>
<td>30 27 25 23 (fc) foot candles</td>
</tr>
<tr>
<td>6’ x 6’</td>
<td>8’ 10’ 12’ 14’</td>
<td>21 21 20 19 (fc) foot candles</td>
</tr>
<tr>
<td>8’ x 8’</td>
<td>8’ 10’ 12’ 14’</td>
<td>15 13 11 10 (fc) foot candles</td>
</tr>
</tbody>
</table>

Spacing Criteria = 0.76

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.

*For approximate light level recommendations, please refer to the IES guidelines shown below:

**Workshop / Tools / Crafts:** 40-100 fc
**Board Games / Cards:** 20-40 fc
**Dining:** 5-10 fc
**Kitchen:** 30-50 fc
**Computer:** 15-30 fc
**Media:** 2-20 fc
**Reading:** 20-50 fc
**Dressing:** 10-30 fc
**Corridors / Circulation:** 3-5 fc

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HOW TO SPECIFY

Recess 3”
Warm Glow Dimming Downlight

Six Easy Steps to Specify

1. Select Housing Type

<table>
<thead>
<tr>
<th>For Ceilings without Insulation</th>
<th>For Insulated Ceilings</th>
</tr>
</thead>
<tbody>
<tr>
<td>New Construction (NC)</td>
<td>New Construction / IC Rated Housing (IC)</td>
</tr>
<tr>
<td></td>
<td>Rated for Direct Contact with Insulation</td>
</tr>
<tr>
<td>5 1/8”</td>
<td>5 1/8”</td>
</tr>
<tr>
<td>1” Max Ceiling Thickness</td>
<td>1” Max Ceiling Thickness</td>
</tr>
<tr>
<td>6 7/8”</td>
<td>6 7/8”</td>
</tr>
<tr>
<td>19 1/8”</td>
<td>19 1/8”</td>
</tr>
<tr>
<td>10 3/8”</td>
<td>10 3/8”</td>
</tr>
</tbody>
</table>

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

- 0-10V Low Voltage Dimming (IV18A)
  - Compatible with 0-10V Controls
- Phased Line Voltage Dimming (IP18A)
  - Compatible with Forward and Reverse Phase Dimmers

3. Select Shape

- Square
- Round
Recess 3”
Warm Glow Dimming Downlight

4

Select Trim Style For Ceiling Type

Trimmed (F) for All Ceiling Types

Trimless (P) for Sheetrock Ceilings Only (Must be Spackled In)

Millwork (M) for Millwork and Stone Ceilings

5

Select Glass Lens

Solite (S) provided standard

Frosted (F)

Light diffusion with the most efficiency

Medium diffusion for softer light output, approximately 12% less light output

6

Select Trim Finish

White (WH) provided standard

Black (BL)

Statuary Bronze (BZ)

Metalized Grey (GR)

Primer (PR)

Clear Matte Anodized (AC)

Black Anodized (AB)

How to Specify

Manufacturer | Light Fixture Type | LED + Control | Options | Revision
---|---|---|---|---
USAI | 3DL 3” Downlight, 18W | WD1 | I | 00

USAI Lighting

Family | Function | Housing Type | Driver | Beam Spread | Lens | Finish | Version
---|---|---|---|---|---|---|---
3DL | D1 Fixed | New Construction Housing | IP18A Integral Phase Dimming Driver, to 1% | Round | Trimmed | WH | 00
D1 Fixed | New Construction / IC Rated Housing / Airtight | WD1 | 50° Beam | Trimmable | S Solite Textured Glass (provided standard) | BL | Black
IC | New Construction / IC Rated Housing / Airtight | IV18A 0-10V Dimming Driver, to 1% | S Square | Trimless | F Frosted Glass | BZ | Statuary Bronze
WD1 | Warm Glow Dimming from 3000K, 90+ CRI at 100% output to 2200K at lowest output | R Round | Millwork | PR Primer

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RECESS 3 SPECIFICATIONS

FIELD REPLACEABLE LED LIGHT ENGINE
is serviceable through the aperture without tools. All USAI Lighting Warm Glow dimming light engines feature industry leading color consistency.

FIELD REPLACEABLE DRIVER
Driver complies with IEEEC62.41 surge protection. Multiple dimming driver options are available; some on-time delay may be experienced, depending on control system used.

HOUSING:
Fabricated of 20 ga. galvanized steel with thru wire J-box, 4 in 4 out at min. 90°C, #12 AWG thru branch circuit wiring. IC-rated housings for use with 14W light engines only are rated for direct contact with insulation of R-42 or less.

MOUNTING:
Butterfly brackets and adjustable nailer bars with integral nails provided. Nailer bars are extendible from 14" to 24" centers.

CEILING CUT OUT:
Round: 3-1/2" Ø
Square: 3-1/2" x 3-1/2"

LISTINGS:
Dry/Damp. Wet location option available with WH, BL, BZ, GR and PR trims only. NRTL/CSA-US tested to UL standards. IBEW union made.

NOTES:
• Not for use in corrosive environment.
• Use of pressure washer voids warranty.

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