Recess 4.5”
Warm Glow Dimming Adjustable

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

- **Ideal Applications:** Medium to Large-Scaled Spaces
- **Recommended for Ceiling Height:** 14’ – 20’
- **Light Type:** White light that shifts to warm as you dim, indistinguishable from incandescent

### 4.5” ADJUSTABLE PERFORMANCE DATA

<table>
<thead>
<tr>
<th>Shape</th>
<th>Round</th>
<th>Square</th>
</tr>
</thead>
<tbody>
<tr>
<td>Delivered Lumens:</td>
<td>1350</td>
<td>1350</td>
</tr>
<tr>
<td>Lumens Per Watt:</td>
<td>45</td>
<td>45</td>
</tr>
<tr>
<td>Source Lumens:</td>
<td>1725</td>
<td></td>
</tr>
<tr>
<td>Wattage:</td>
<td>32W</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>40°</td>
<td>Medium Beam / Adjustable</td>
</tr>
</tbody>
</table>

### 8’ SPACING BETWEEN LIGHT FIXTURES

- 8’ x 10’ 12’ 14’ 16’ 18’ 20’
- Light levels at:
  - 4’ x 4’ layout on Work Plane (2.5’ AFF):
    - Round: 65 57 53 50 47 44 41 [fc] foot candles
  - Square: 41 41 40 39 37 35 [fc] foot candles

### 5’ SPACING BETWEEN LIGHT FIXTURES

- 8’ x 10’ 12’ 14’ 16’ 18’ 20’
- Light levels at:
  - 5’ x 5’ layout on Work Plane (2.5’ AFF):
    - Round: 65 57 53 50 47 44 41 [fc] foot candles
    - Square: 41 41 40 39 37 35 [fc] foot candles

### 6’ SPACING BETWEEN LIGHT FIXTURES

- 8’ x 10’ 12’ 14’ 16’ 18’ 20’
- Light levels at:
  - 6’ x 6’ layout on Work Plane (2.5’ AFF):
    - Round: 41 41 40 39 37 35 [fc] foot candles
    - Square: 34 29 25 23 21 20 18 [fc] foot candles

- Spacing Criteria = 0.65

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 4.5”
Warm Glow Dimming Adjustable

Six Easy Steps to Specify

1. Select Housing Type

For Ceilings without Insulation

New Construction (NC)
Replaces Ceiling Insulation
Installs From Below in Existing Ceiling

Retrofit Housing (RT)
Installs From Below in Existing Ceiling

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 (IV32A)
Phased Line Voltage Dimming (IP32A)

Compatible with 0-10V Controls
Compatible with Forward and Reverse Phase Dimmers

3. Select Shape

Square
Round

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## HOW TO SPECIFY

### Recess 4.5”

**Warm Glow Dimming Adjustable**

### 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

### Select Glass Lens

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

### 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

<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>USAI 4DL 4.5” Downlight, 32W</td>
<td>WD1 IP32A Integral Phase Dimming Driver, 1% 120V only, 32W</td>
<td>WH White (provided standard)</td>
<td>00</td>
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<tr>
<td></td>
<td>A1 Adjustable Tilt and Aim Downlight</td>
<td>WD1 IP32A Integral Phase Dimming Driver, 1% 120V only, 32W</td>
<td>BL Black</td>
<td></td>
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<tr>
<td></td>
<td>NC New Construction Housing</td>
<td>WD1 IP32A Integral Phase Dimming Driver, 1% 120V only, 32W</td>
<td>BZ Statuary Bronze</td>
<td></td>
</tr>
<tr>
<td></td>
<td>IC New Construction / IC Rated Housing / Artlight</td>
<td>WD1 IP32A Integral Phase Dimming Driver, 1% 120V only, 32W</td>
<td>GR Metalized Grey</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>WD1 IP32A Integral Phase Dimming Driver, 1% 120V only, 32W</td>
<td>PR Primer</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>WD1 IP32A Integral Phase Dimming Driver, 1% 120V only, 32W</td>
<td>AC Clear Matte Anodized</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>WD1 IP32A Integral Phase Dimming Driver, 1% 120V only, 32W</td>
<td>AB Black Anodized</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>WD1 IP32A Integral Phase Dimming Driver, 1% 120V only, 32W</td>
<td>S Solite Textured Glass (provided standard)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>WD1 IP32A Integral Phase Dimming Driver, 1% 120V only, 32W</td>
<td>F Frosted Glass</td>
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</tr>
</tbody>
</table>

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RECESS 4.5 SPECIFICATIONS

FIELD REPLACEABLE LED LIGHT ENGINE
is serviceable through the aperture without tools or with a Philips screwdriver. All USAI Lighting light engines feature industry-leading color consistency.

FIELD REPLACEABLE DRIVER
All integral dimming drivers are located within the fixture housing and are serviceable from below the ceiling through the aperture. Some on-time delay may be experienced depending on control system used. All dimming drivers comply with IEEE C62.41 surge protection.

HOUSING
All Recess 4.5 fixtures are field-flexible which allow for field changes from trimless or millwork to trimmed with a simple components change with parts from USAI. Housings are fabricated of 20 ga. steel construction with thru wire J-box, 4 in 4 out at min. 90°C, #12 AWG thru branch circuit wiring.

ADJUSTMENT
362° horizontal locking in 90° increments.

FIXTURE WEIGHT
RT housings weigh 8 lbs. NC and IC housings weigh 16 lbs.

CEILING CUT OUT
Trimmed with Overlap Flange Round: 5-1/16” Ø
Trimmed with Overlap Flange Square: 5-1/16” x 5-1/16”
Trimless Spackle-in Round: 5-1/2” Ø
Trimless Spackle-in Square: 5-1/2” x 5-1/2”
Millwork: Knife-edge Round: 4-15/16” Ø
Millwork: Knife-edge Square: 4-15/16” x 4-15/16”
Retrofit Round: 5-1/2” Ø
Retrofit Square: 5-1/2” x 5-1/2”

LISTINGS
Dry/Damp/Wet location. AC and AB trim finishes are dry/damp only. UL2043 rated for use in air handling plenums. 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.