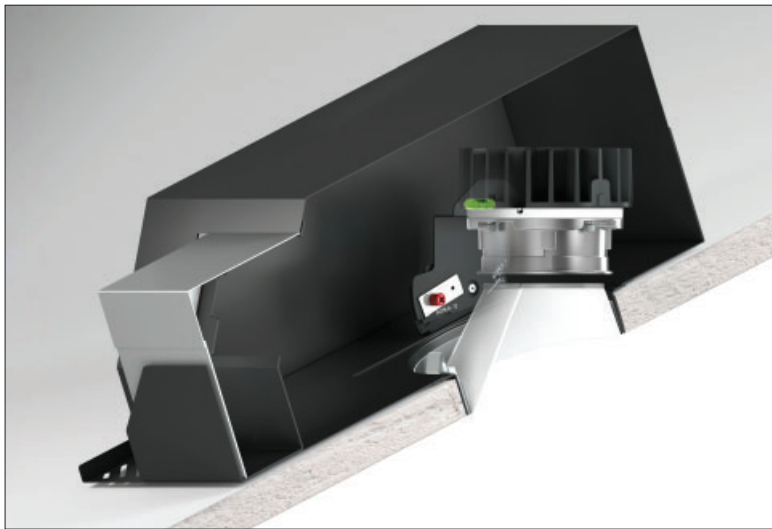


# Recess 3" for Sloped Ceilings JA8 T24 Warm Glow® Dimming Downlight



## Recess 3 inch JA8 T24 for Sloped Ceilings Warm Glow Dimming Downlight

Now available with CEC T24 2016/2019 JA8 Compliant features for California-based projects, with solutions for angles from 15° (3/12 pitch) to 45° (12/12) pitch to create a perfectly round or square roomside appearance to make 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 light.



### 3" DOWNLIGHT PERFORMANCE DATA

Shape	Warm Glow Dimming	
	Round	Square
Delivered Lumens:	1000	1150
Lumens Per Watt:	50	58
Source Lumens:	1500	
Wattage	20W	
CCT:	3000K dimmable to 2200K	
CRI:	90+	
Beamspread:	40°	
	Medium Beam / Straight Down	

#### Round Trims

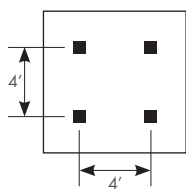


#### Square Trims



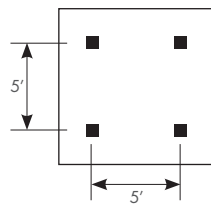
Universal and Field Convertible - Trim | Trimless | Millwork

#### 4' SPACING BETWEEN LIGHT FIXTURES



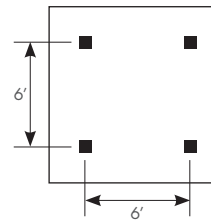
4' x 4' LAYOUT	CEILING HEIGHT
Light levels at:	8' 10' 12' 14'
Light levels on Work Plane (2.5' AFF):	59 52 47 42 (fc) foot candles

#### 5' SPACING BETWEEN LIGHT FIXTURES



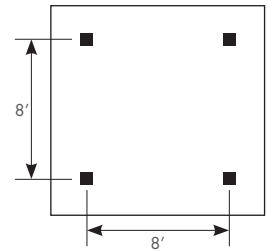
5' x 5' LAYOUT	CEILING HEIGHT
Light levels at:	8' 10' 12' 14'
Light levels on Work Plane (2.5' AFF):	48 43 38 37 (fc) foot candles

#### 6' SPACING BETWEEN LIGHT FIXTURES



6' x 6' LAYOUT	CEILING HEIGHT
Light levels at:	8' 10' 12' 14'
Light levels on Work Plane (2.5' AFF):	35 34 33 31 (fc) foot candles

#### 8' SPACING BETWEEN LIGHT FIXTURES



8' x 8' LAYOUT	CEILING HEIGHT
Light levels at:	8' 10' 12' 14'
Light levels on Work Plane (2.5' AFF):	23 20 18 16 (fc) foot candles

Spacing Criteria  
 15°-30° Sloped Ceiling: Round: 0.94 / Square: 0.78  
 30°-45° Sloped Ceiling: Round: (0-180): 0.54, (90-270) 0.80 / Square: (0-180) .60, (90-270) 0.78

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:

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

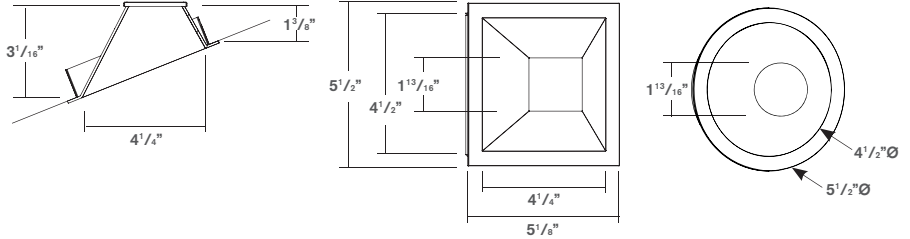
# Recess 3" for Sloped Ceilings JA8 T24 Warm Glow® Dimming Downlight



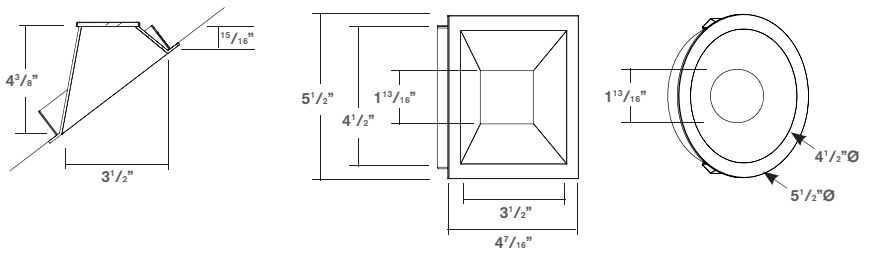
## Five Easy Steps to Specify

### 1 Select Ceiling Slope

For 15° (3/12) - 30° (7/12) Sloped Ceilings



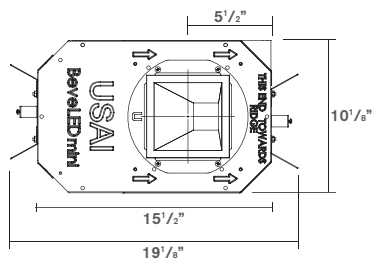
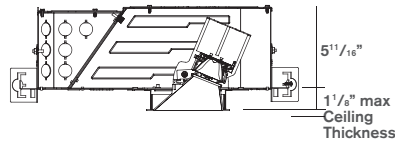
For 30° (7/12) - 45° (12/12) Sloped Ceilings



### 2 Select Housing Type

#### For Insulated Ceilings

New Construction / IC Rated Housing - (IS)  
Rated for Direct Contact with Insulation



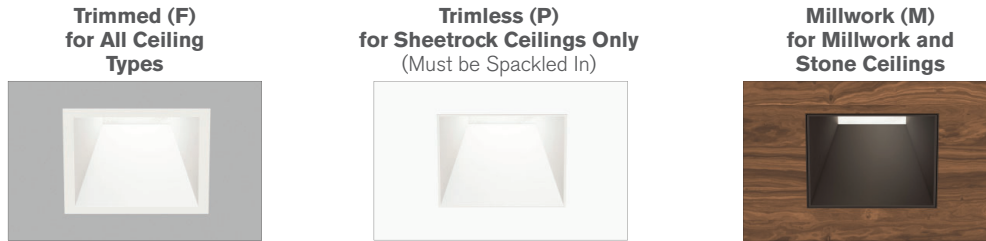
# Recess 3" for Sloped Ceilings JA8 T24 Warm Glow® Dimming Downlight



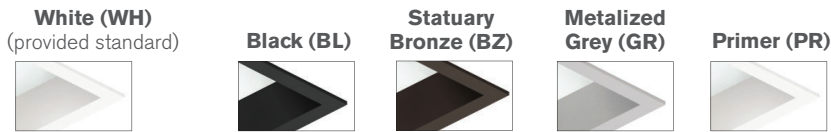
### 3 Select Shape



### 4 Select Trim Style For Ceiling Type



### 5 Select Trim Finish



### How to Specify

Manufacturer	Light Fixture Type			LED + Control		Options					Revision
<b>USAI</b>	<b>3DL</b>		<b>IS</b>	<b>WD2</b>	<b>IV20A</b>			<b>G</b>	<b>S</b>		<b>J8</b>
<b>USAI</b>	<b>Family</b>	<b>Function</b>	<b>Housing Type</b>	<b>LED Color</b>	<b>Wattage Driver</b>	<b>Shape</b>	<b>Style</b>	<b>Beam Spread</b>	<b>Lens</b>	<b>Finish</b>	<b>Version</b>
<b>USAI Lighting</b>	<b>3DL</b> 3" Downlight, 20W	<b>S3</b> For 15°-30° Sloped Ceilings  <b>S5</b> For 30° -45° Sloped Ceilings	<b>IS</b> Insulation Contact Sloped	<b>WD2</b> Warm Glow Dimming from 3000K, 90+ CRI at 100% output to 2200K at lowest output	<b>IV20A</b> Integral 0-10V Dimming Driver, to 1% 120V-277V, 20W	<b>R</b> Round <b>S</b> Square	<b>F</b> Trimmed <b>P</b> Trimless <b>M</b> Millwork	<b>G</b> 40° Beam	<b>S</b> Solite Textured Glass (provided standard)	<b>WH</b> White (provided standard) <b>BL</b> Black <b>BZ</b> Statuary Bronze <b>GR</b> Metalized Grey <b>PR</b> Primer	<b>J8</b>

# Recess 3" for Sloped Ceilings JA8 T24 Warm Glow<sup>®</sup> Dimming Downlight

## RECESS 3 SLOPED 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 IEEE62.41 surge protection. Multiple dimming driver options are available; some on-time delay may be experienced, depending on control system used.

### ADJUSTMENT:

Sloped ceiling housings are fitted with an integral bubble leveling device to ensure perfectly level installations and optical alignment. Optical assembly can be tilted and locked in position for ceiling slopes from 3/12 pitch to 12/12 pitch, which are visually indicated on tilt mechanism. Butterfly brackets are imprinted with ceiling thickness indexing allow installers to easily preset housing prior to installation: choose from ceiling thicknesses of 1/2", 5/8", 3/4", 7/8", 1", or 1-1/8".

### 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 20W 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 16" to 24" centers.

### CEILING CUT OUT:

Round Trimmed: 5-1/16"Ø

Round Trimless: 5-1/16"Ø

Round Millwork: 4-15/16"Ø

Square Trimmed: 5-1/16" X 5-1/16"

Square Trimless: 5-1/16" X 5-1/16"

Square Millwork: 4-15/16" X 4-15/16"

### LISTINGS:

Dry/Damp/Wet location rated. CEC / Title 24 2016 JA8 Compliant, see CEC website for exact models included. 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.