

# Recess 4.5"

## Color Select Tunable White Adjustable



### Recess 4.5 inch Color Select Tunable White Adjustable

An elegant solution for a variety of applications. Featuring clean, architectural grade finishes and a smooth transition from cool white light to warm, 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:** Tunable White light from warm candlelight (2200K) to bright daylight (6000K)

Photograph: Karl Puchlik



**Universal and Field Convertible -**  
Trim | Trimless | Millwork

### 4.5" ADJUSTABLE PERFORMANCE DATA Color Select Tunable White

	2200K	2700K	3000K	3500K	4000K	5000K	6000K
<b>Color Temperature</b>	2200K	2700K	3000K	3500K	4000K	5000K	6000K
<b>Delivered Lumens:</b>	1175	1300	1350	1400	1475	1525	1600
<b>Lumens Per Watt:</b>	39	43	45	47	49	51	53
<b>Source Lumens:</b>	1800	2000	2075	2150	2250	2350	2450
<b>Wattage</b>	32W						
<b>CCT:</b>	2200K to 6000K						
<b>CRI:</b>	80+						
<b>Beamspread:</b>	40°						
	Medium Beam / Adjustable						

4' SPACING BETWEEN LIGHT FIXTURES		5' SPACING BETWEEN LIGHT FIXTURES		6' SPACING BETWEEN LIGHT FIXTURES		8' SPACING BETWEEN LIGHT FIXTURES	
<b>4' x 4' LAYOUT</b>	<b>5' x 5' LAYOUT</b>	<b>6' x 6' LAYOUT</b>	<b>8' x 8' LAYOUT</b>	<b>CEILING HEIGHT</b>	<b>CEILING HEIGHT</b>	<b>CEILING HEIGHT</b>	<b>CEILING HEIGHT</b>
Light levels at:	Light levels at:	Light levels at:	Light levels at:	<b>8' 10' 12' 14' 16' 18' 20'</b>	<b>8' 10' 12' 14' 16' 18' 20'</b>	<b>8' 10' 12' 14' 16' 18' 20'</b>	<b>8' 10' 12' 14' 16' 18' 20'</b>
Light levels on Work Plane (2.5' AFF):	Light levels on Work Plane (2.5' AFF):	Light levels on Work Plane (2.5' AFF):	Light levels on Work Plane (2.5' AFF):	79 71 64 58 54 49 45 (fc) foot candles	63 57 53 49 46 43 40 (fc) foot candles	42 42 41 40 38 36 34 (fc) foot candles	34 28 25 22 21 19 18 (fc) foot candles

Spacing Criteria = 0.66

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.

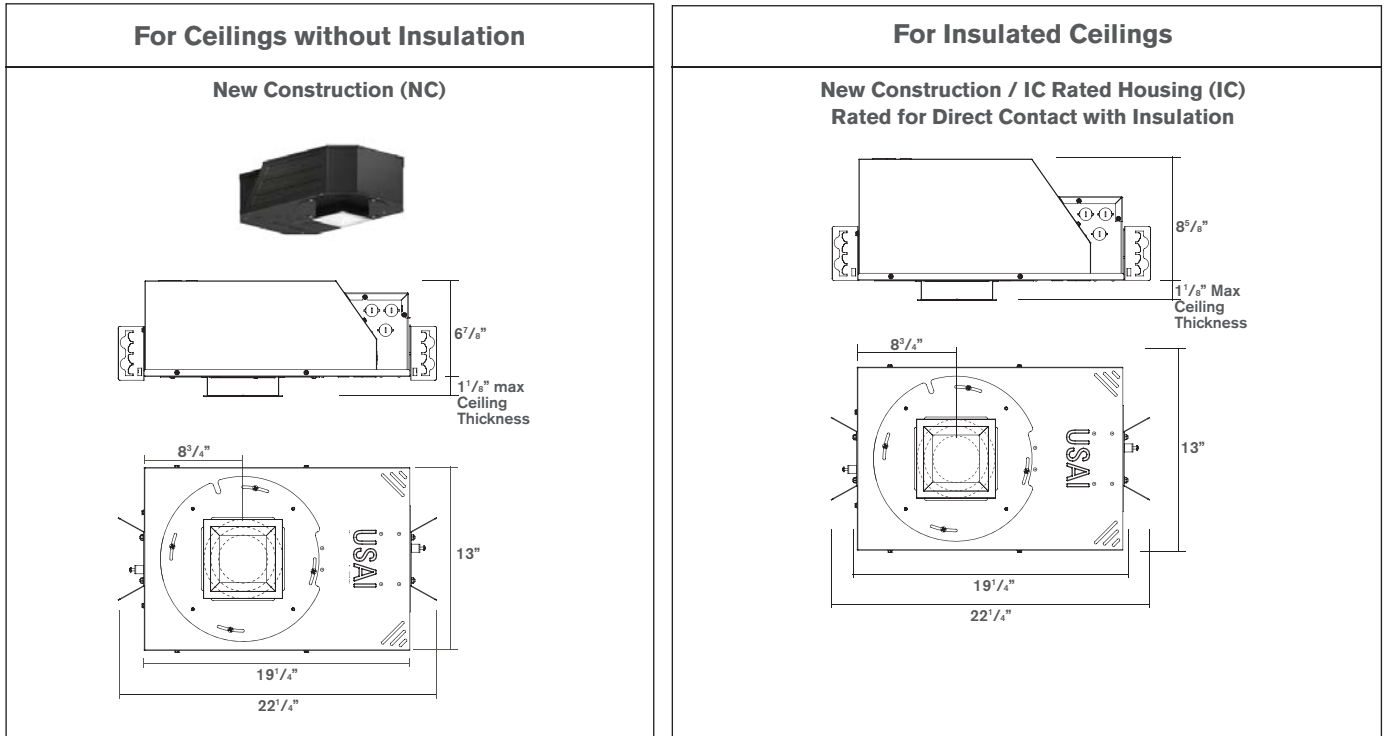
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### Five Easy Steps to Specify

**1 Select Housing Type**



**2 Select Shape**

Square

Round



**3 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



**4 Select Glass Lens**

**Solite (S)**

provided standard

Light diffusion with the most efficiency



**Frosted (F)**

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



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### 5 Select Trim Finish



### How to Specify

Manufacturer	Light Fixture Type			LED + Control			Options				Revision
<b>USAI</b>	<b>4DL</b>	<b>A1</b>		<b>TW1</b>	<b>IV32A</b>			<b>G</b>			<b>00</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>4DL</b> 4.5" Downlight, 32W	<b>A1</b> Adjustable Tilt and Aim Downlight	<b>NC</b> New Construction Housing  <b>IC</b> New Construction / IC Rated Housing / Airtight	<b>TW1</b> Color Select Tunable White from 2200K to 6000K, continuously variable through 0-10V controls by others	<b>IV32A</b> Integral 0-10V Dimming Driver, to 1% 120V-277V, 32W	<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>F</b> Frosted Glass	<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>AC</b> Clear Matte Anodized  <b>AB</b> Black Anodized	<b>00</b>

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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

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"

#### 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.