

Recess 4.5"

Color Select Tunable White Downlight



Recess 4.5 inch Color Select Tunable White Downlight

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" DOWNLIGHT PERFORMANCE DATA Color Select Tunable White

Color Temperature	2200K	2700K	3000K	3500K	4000K	5000K	6000K
Delivered Lumens:	1400	1525	1600	1675	1750	1800	1900
Lumens Per Watt:	44	48	53	52	55	57	59
Source Lumens:	1800	2000	2075	2150	2250	2350	2450
Wattage	32W						
CCT:	2200K to 6000K						
CRI:	80+						
Beamspread:	60°						
	Wide Beam / Straight Down						

4' x 4' LAYOUT		5' x 5' LAYOUT		6' x 6' LAYOUT		8' x 8' LAYOUT	
4' SPACING BETWEEN LIGHT FIXTURES		5' SPACING BETWEEN LIGHT FIXTURES		6' SPACING BETWEEN LIGHT FIXTURES		8' SPACING BETWEEN LIGHT FIXTURES	
	CEILING HEIGHT		CEILING HEIGHT		CEILING HEIGHT		CEILING HEIGHT
Light levels at:	8' 10' 12' 14' 16' 18' 20'	Light levels at:	8' 10' 12' 14' 16' 18' 20'	Light levels at:	8' 10' 12' 14' 16' 18' 20'	Light levels at:	8' 10' 12' 14' 16' 18' 20'
Light levels on Work Plane (2.5' AFF):	85 75 66 59 52 46 41 (fc) foot candles	Light levels on Work Plane (2.5' AFF):	69 63 57 51 46 42 38 (fc) foot candles	Light levels on Work Plane (2.5' AFF):	52 51 48 44 40 37 34 (fc) foot candles	Light levels on Work Plane (2.5' AFF):	34 28 25 23 21 19 17 (fc) foot candles

Spacing Criteria = 0.88

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.

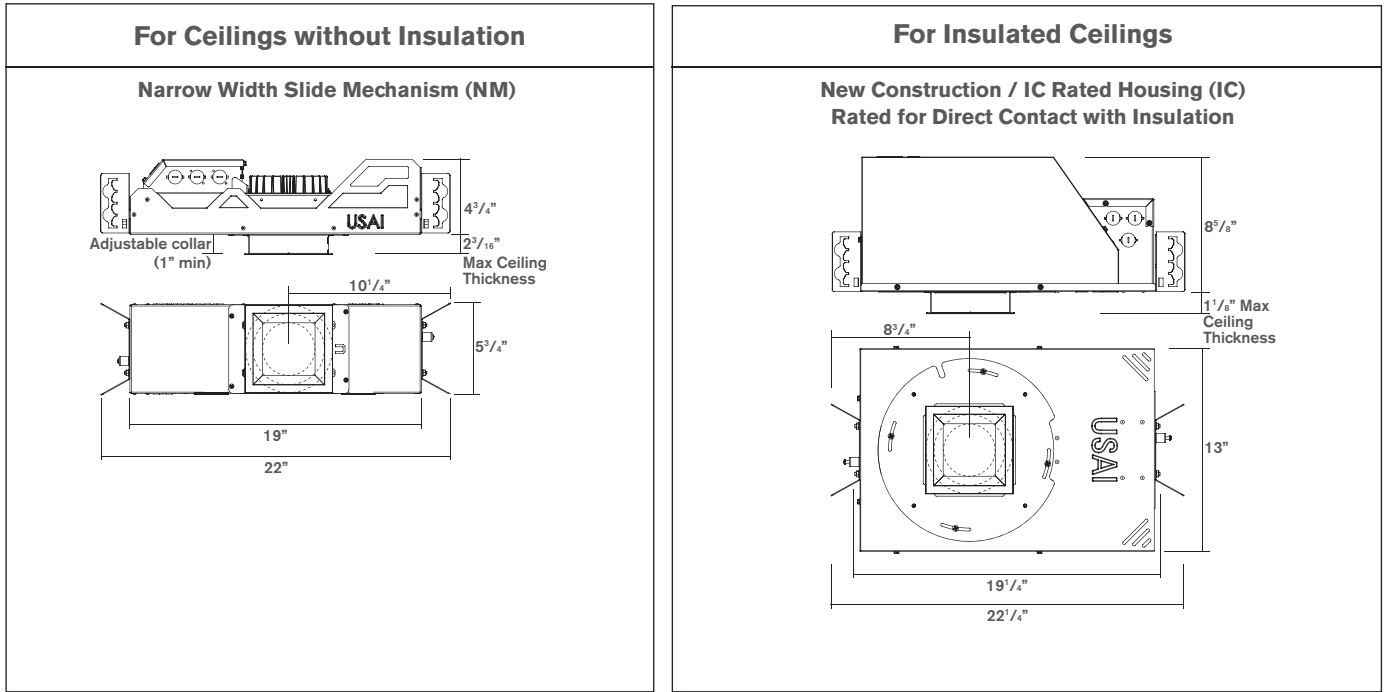
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Five Easy Steps to Specify

1 Select Housing Type



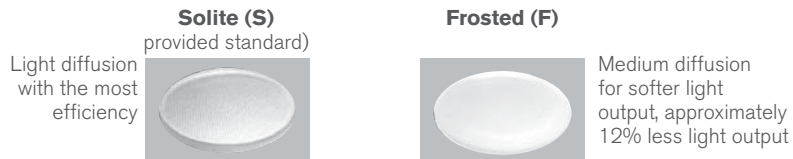
2 Select Shape



3 Select Trim Style For Ceiling Type



4 Select Glass Lens



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5 Select Trim Finish



How to Specify

Manufacturer	Light Fixture Type			LED + Control		Options					Revision
USAI	4DL	D1		TW1	IV32A			K			00
USAI	Family	Function	Housing Type	LED Color	Wattage Driver	Shape	Style	Beam Spread	Lens	Finish	Version
USAI Lighting	4DL 4.5" Downlight, 32W	D1 Fixed Downlight	NM Narrow Width Slide Mechanism IC New Construction / IC Rated Housing / Airtight	TW1 Color Select Tunable White from 2200K to 6000K, continuously variable through 0-10V controls by others	IV32A Integral 0-10V Dimming Driver, to 1% 120V-277V, 32W	R Round S Square	F Trimmed P Trimless M Millwork	K 60° Beam	S Solite Textured Glass (provided standard) F Frosted Glass	WH White (provided standard) BL Black BZ Statuary Bronze GR Metalized Grey PR Primer AC Clear Matte Anodized AB Black Anodized	00

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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

IC housings weigh 16 lbs. NM housings weigh 10 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.