

# Recess 3" Infinite Color+ Downlight



## Recess 3 inch Infinite Color+ Downlight

An elegant solution for a variety of applications. Featuring clean, architectural grade finishes and full dynamic color plus tunable architectural white light capability, 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:** Saturated, colorful light, pastels, neutrals and whites, tunable and dynamically variable to suit your preference

### 3" DOWNLIGHT PERFORMANCE DATA

Infinite Color+		
	White Light Channel Only	Multi Channel Output
Delivered Lumens:	750	825
Lumens Per Watt:	46	47
Source Lumens:	1250	1375
Wattage	16W	18W
Beamspread:	65°	
	Wide Beam / Straight Down	

#### Round Trims

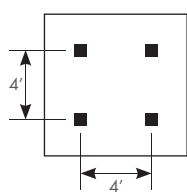


#### Square Trims



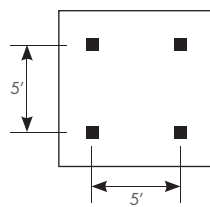
Universal and Field Convertible - Trim | Trimless | Millwork

#### 4' SPACING BETWEEN LIGHT FIXTURES



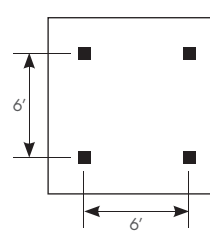
4' x 4' LAYOUT	CEILING HEIGHT
Light levels at:	8' 10' 12' 14'
Light levels on Work Plane (2.5' AFF):	xx xx xx xx (fc) foot candles

#### 5' SPACING BETWEEN LIGHT FIXTURES



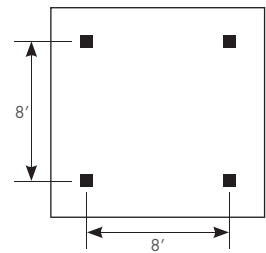
5' x 5' LAYOUT	CEILING HEIGHT
Light levels at:	8' 10' 12' 14'
Light levels on Work Plane (2.5' AFF):	xx xx xx xx (fc) foot candles

#### 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):	xx xx xx xx (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):	xx xx xx xx (fc) foot candles

Spacing Criteria = xx

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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## Four Easy Steps to Specify

### 1 Select Housing Type

For Ceilings without Insulation	For Insulated Ceilings
<p><b>Flat Low Profile Housing (FT) Smallest Available</b></p> <p>2" 1" Max Ceiling Thickness</p> <p>5 1/4" 10 7/8" (Plan View) 14 1/2" (Plan View)</p>	<p><b>New Construction / IC Rated Housing (IC) Rated for Direct Contact with Insulation</b></p> <p>5 1/2" 1" Max Ceiling Thickness</p> <p>19 1/8" 6 7/8" 10 1/8"</p>

### 2 Select Shape

<p><b>Square</b></p>	<p><b>Round</b></p>
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### 3 Select Trim Style For Ceiling Type

<p><b>Trimmed (F) for All Ceiling Types</b></p>	<p><b>Trimless (P) for Sheetrock Ceilings Only (Must be Spackled In)</b></p>	<p><b>Millwork (M) for Millwork and Stone Ceilings</b></p>
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**4** Select Trim Finish



How to Specify

Manufacturer	Light Fixture Type			LED + Control		Options					Revision
USAI	3DL	D1		FC1	RX18A			L	M		00
USAI	Family	Function	Housing Type	LED Color	Wattage Driver	Shape	Style	Beam Spread	Lens	Finish	Version
USAI Lighting	3DL 3" Downlight, 18W	D1 Fixed Downlight	FT Flat Housing New Construction  IC New Construction / IC Rated Housing / Airtight	FC1 Full Color plus Tunable White, Dynamically Variable through DMX controls	RX18A Remote DMX Digital Dimming Driver, to 0.1%, 120V-277V, 18W	R Round  S Square	F Trimmed  P Trimless  M Millwork	L 65° Beam	M Multi Diffusion	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 3 SPECIFICATIONS

### FIELD REPLACEABLE LED LIGHT ENGINE

is serviceable through the aperture without tools. All USAI Lighting Infinite Color+ 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.

### 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.