



**Certified LED Lights®**

Product Data Sheet  
Wafer Recessed Gimbal Light



## Product Overview

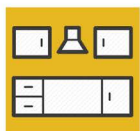
Illuminate your space with the advanced 360° Round Gimbal Recessed Downlight, featuring a versatile 5CCT color temperature selection. This innovative lighting solution allows you to effortlessly tailor your ambiance, offering a selection of warm white to cool daylight tones to suit any mood or occasion.

The directional design enables a remarkable tilt of 30°, along with a full 360° rotation, allowing you to focus light precisely where it's needed. Equipped with a powerful 38° beam angle and a high-precision lens, this downlight delivers exceptional clarity and vibrant color rendition.

Experience uniform brightness that eliminates the risk of scattering or glare, ensuring your interiors are bathed in soft, inviting light. Perfect for residential or commercial settings, this downlight combines functionality with sophistication, enhancing both aesthetics and comfort in any environment. 0-10V dimming capability is standard. This downlight comes with a 5 year warranty.

An independent laboratory tests our lights and LED components to ensure they meet the IESNA LM-79 and LM-80 standards. LED color temperature is warranted to shift no more than 180K over the standard warranty period. Correlated Color Temperature (CCT) follows the guidelines set forth in the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

## Applications



Kitchen



Homes



General area



Stairs

- \* CCT: 5 color temperature selectable in the field
- \* ETL listed for wet location
- \* Title 24 - JA8-2022-E
- \* IC Rated for direct contact with insulation
- \* 79 to 85 lumens per watt (2 inch)
- \* 71 to 88 lumens per watt (3 inch)
- \* 71 to 82 lumens per watt (4 inch)
- \* Long-life LEDs provide 50,000 hours of operation
- \* 120V input standard
- \* Triac dimming capability is standard. Compatible with most triac dimmers to give user a smooth 100%-10% dimming to choose the desired brightness.
- \* Aluminum die-cast body with adjustable gimbal
- \* Spring loaded retention arms allow for easy installation into ceilings with no need for a recessed hole
- \* TIR optic provides smooth, uniform light with a 38° beam angle
- \* Simple snap-in installation is fast and easy
- \* Tilting gimbal light source for directional lighting

## Product Warranty



## Highlights and Certifications



ETL Listed



Wet Location



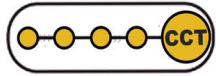
JA8 California  
Title 24



Triac Dimming



IC Rated



Field selectable CCT 5-way switch: 27K,  
3K, 35K, 4K 5K

## Key Specifications

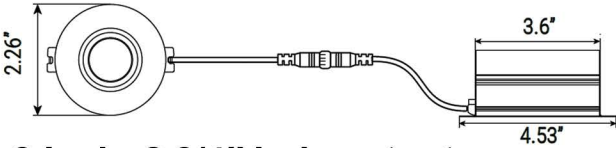
- \* CCT: color temperature selectable 27K, 3K, 35K, 4K, 5K
- \* Operating temperatures from -4°F to 113°F
- \* Storage temperature from -4° F to 158°F
- \* Power factor > 0.90
- \* Dimms down to 10%
- \* THD < 20%
- \* CRI > 90
- \* Viewing angle: 38 degrees
- \* Easy installation in new construction or retrofit. No existing recessed housing or junction box required. Install J-Box in ceiling beam, and insert light right into drywall opening
- \* Spring loaded retention arms allow for easy installation into ceilings with no need for a recessed hole .

## Performance

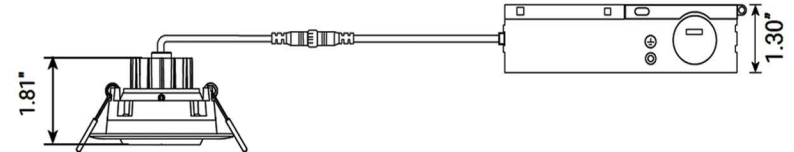
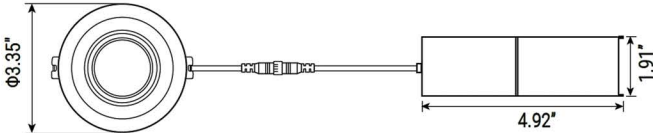
5 Watts		2EJCT05WRWH					8 Watts		3EJCT08WRWH				
Color	2700	3000	3500	4000	5000		Color	2700	3000	3500	4000	5000	
Lumens	396	401	415	426	408		Lumens	573	608	661	707	654	
Lumens / Watt	79.20	80.20	83.00	85.20	81.60		Lumens / Watt	71.63	76.00	82.63	88.38	81.75	
12 Watts		4EJCT12WRWH											
Color	2700	3000	3500	4000	5000								
Lumens	861	901	931	992	978								
Lumens / Watt	71.75	75.08	77.58	82.67	81.50								

## Dimensions

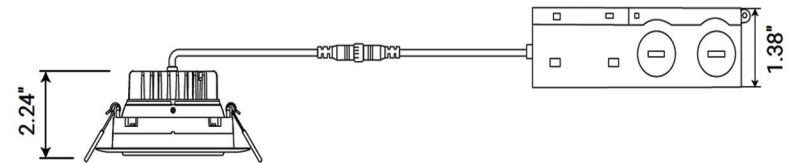
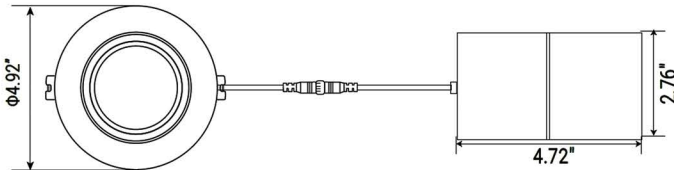
### 2 Inch: 2 1/8" hole cutout



### 3 Inch: 2 3/4" hole cutout



### 4 Inch: 4 1/4" hole cutout



## Other Characteristics

38° Beam Angle



30° Tilt Range



360° Rotation



J-Box driver





## Ordering Guide

Model #	PART #	Kelvin Selectable	Lumens	Wattage
2" LED Gimbal Light	2EJCT05WRWH	27K, 3K, 35K, 4K, 5K	396 TO 408 Lm	5W
3" LED Gimbal Light	3EJCT08WRWH	27K, 3K, 35K, 4K, 5K	573 to 654Lm	8W
4" LED Gimbal Light	4EJCT12WRWH	27K, 3K, 35K, 4K, 5K	861 to 978 Lm	12W

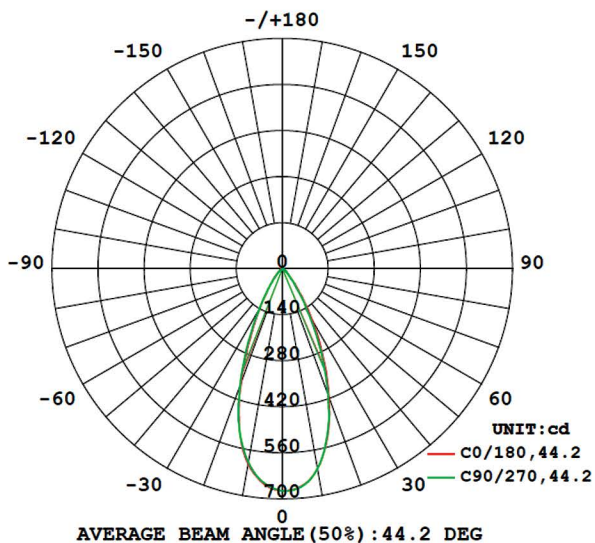
### Notes:

- 2EJCT means 2" ; 3EJCT means 3" ; 4 EJCT means 4"
- 05, 08, 12 means 5W, 8W, 12W
- WR means wafer recessed
- WH means white body

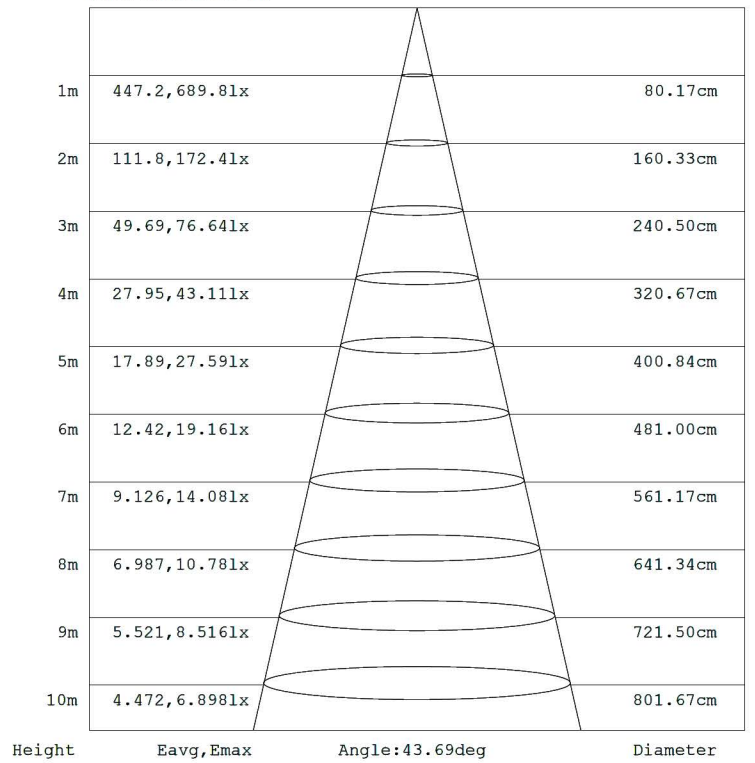
## Photometric Data

### 2" Gimbal @ 5000K

#### LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



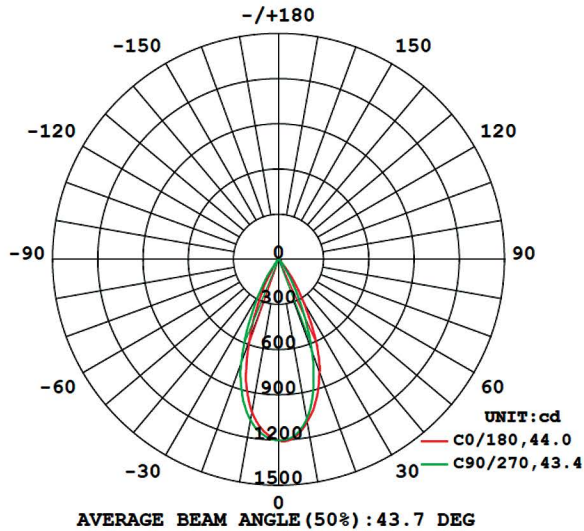
Flux out: 229.3 lm



## Photometric Data

### 3" Gimbal @ 5000K

#### LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



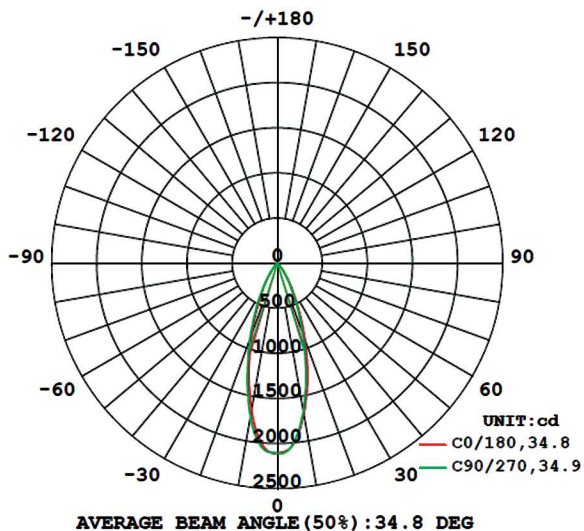
Flux out: 408.4 lm

Height	Eavg, Emax	Angle: 43.07deg	Diameter
1m	796.4, 1218lx		78.91cm
2m	199.1, 304.4lx		157.83cm
3m	88.49, 135.3lx		236.74cm
4m	49.78, 76.10lx		315.66cm
5m	31.86, 48.71lx		394.57cm
6m	22.12, 33.82lx		473.49cm
7m	16.25, 24.85lx		552.40cm
8m	12.44, 19.03lx		631.32cm
9m	9.833, 15.03lx		710.23cm
10m	7.964, 12.18lx		789.14cm

Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

### 4" Gimbal @ 5000K

#### LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



Flux out: 460.7 lm

Height	Eavg, Emax	Angle: 34.82deg	Diameter
1m	1389, 2110lx		62.71cm
2m	347.3, 527.5lx		125.41cm
3m	154.3, 234.5lx		188.12cm
4m	86.82, 131.9lx		250.83cm
5m	55.57, 84.41lx		313.53cm
6m	38.59, 58.62lx		376.24cm
7m	28.35, 43.07lx		438.95cm
8m	21.71, 32.97lx		501.65cm
9m	17.15, 26.05lx		564.36cm
10m	13.89, 21.10lx		627.06cm

Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.