



## 2" LED RECESSED DOWNLIGHT 700 & 1000 LUMEN

PARABOLIC DOWNLIGHT CONE  
NEW CONSTRUCTION

**IC/TC207LD, IC/TC210LD,  
IC/TC207LA, IC/TC210LA**  
with 2007 Trim

### PRODUCT DESCRIPTION

Recessed LED downlight luminaire with 2" round aperture delivers up to 1040 lumens and is available with optical distributions approximating that of MR16 halogen lamps. Fixture has 50° visual cut-off for low aperture brightness. Low profile housing is available in IC rated or non-IC rated configurations.

### PRODUCT SPECIFICATIONS

**LED Light Engine** Consistent fixture to fixture color consistency within a 2-step MacAdam ellipse • 2700K, 3000K, 3500K, or 4000K color temperatures are available with 80 CRI minimum • 2700K and 3000K also available with 90 CRI minimum.

**Modular Optics** Available with field interchangeable optics in 18° Spot, 24° Narrow Flood, 35° Flood, and 45° wide flood distributions.

**Reflector** .040" aluminum reflector in painted white, clear specular, black specular, haze, or wheat haze finish provides 50° cut-off.

**Trims Style** Self Flanged and Flush Mount styles are available • Flange is same finish as reflector unless optional painted white flange is specified • For flush mount installations in drywall ceilings, specify the FMA2 adapter • For flush mount installations in solid ceiling materials such as wood, stone, or tile ceilings, no flush mount adapter is required.

**LED Driver** Choice of two drivers to accommodate voltages from 120-277 volts AC at 50/60Hz • Dedicated 120V (-1) driver is dimmable with most incandescent, magnetic low voltage, and electronic low voltage dimmers • Universal Voltage (-U) driver is dimmable with most 0-10V protocol dimmers • For a list of compatible dimmers, refer to [ACLXLED2-DIM](#) • Power Factor > 0.9 • Field replaceable from above or below ceiling.

**Life** Rated for 50,000 hrs at 70% lumen maintenance.

**Warranty** 5 years from date of purchase on LED components • Standard Juno Lighting Group product guarantee terms and conditions apply.

**Codes/Labels** UL and cUL listed for damp locations • IC rated new construction fixture meets energy code Air Leakage requirements per ASTM E283 • ENERGY STAR® Qualified with select trim finishes • IC rated luminaires with 3000K, 90 CRI light engine are certified to high efficacy requirements of California T24 with select trim finishes • IC rated new construction luminaire is Chicago Plenum (CCEA) approved • Union made.

**New Construction Mounting** Features patented (US Patent 8,038,113) Pro-VI™ bar hanger system, permitting quick placement of housing with 24" on-center joists or suspended ceilings • IC rated new construction luminaire also features vertically adjustable mounting brackets (butterfly brackets) • Centerline indicators on plaster frame and patented (US Patent 8,277,090) Tru-Line™ Platform featuring +/- 1/2" translation aids fixture alignment after installation, prior to drywall.

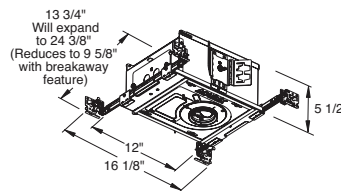
**Wiring** IC housing includes (2) 1/2" knockouts in access plate, and is compatible with rigid conduit and flexible supply • Non-IC housings include (2) 1/2" knockouts with pryout slots in junction box and are compatible with flexible electrical supply only • All housings supplied with quick connect electrical connectors.

**Ceiling Thickness** 1/2" - 3/4" ceiling standard • For thicker ceilings, order CTA2-120 (.75"-1.20") or CTA2-150 (1.20"-1.50").

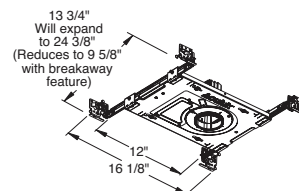


Type	Cat. No.
_____	_____
Project: _____	
Notes: _____	

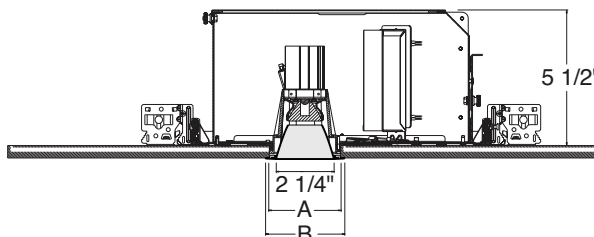
### DIMENSIONS



**IC207LD, IC210LD  
IC207LA, IC210LA**



**TC207LD, TC210LD  
TC207LA, TC210LA**



Trim Style	Cutout Size (A)	Trim O.D. (B)
Self Flanged Trims	2-7/8"	3.20"
Flush Mount Trims (Solid Ceiling)	2-7/8"	2.875"
Flush Mount Trims (Drywall Ceiling)	3"	2.875"

Note: An accurate hole saw is recommended for best results.

### ELECTRICAL DATA

Lumen Package	700			1000		
	Dedicated 120V (-1)	Universal Voltage (-U)		Dedicated 120V (-1)	Universal Voltage (-U)	
Voltage	120	120	277	120	120	277
Input Power	10.1	9.6	9.6	14.8	14.8	14.6
Input Current	0.09	0.08	0.04	0.12	0.12	0.06
Frequency	50/60Hz	50/60Hz		50/60Hz	50/60Hz	
Power Factor	0.99	0.99	0.93	0.99	0.99	0.95



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**Ordering Information** Housing, trim and accessories each ordered separately

Example: **TC207LD-830-N-1**

Series	CRI/CCT	Optic	Driver
<b>IC207LD</b> 700 lm Downlight, IC rated	<b>827</b> 80 CRI, 2700K	<b>S</b> 18° Spot <b>N</b> 24° Narrow Flood	<b>I</b> 120V, Phase Dimming
<b>TC207LD</b> 700 lm Downlight, Non-IC	<b>830</b> 80 CRI, 3000K	<b>F</b> 35° Flood	<b>U</b> 120-277V, 0-10V Dimming
<b>IC210LD</b> 1000 lm Downlight, IC rated	<b>835</b> 80 CRI, 3500K	<b>W</b> 45° Wide Flood	
<b>TC210LD</b> 1000 lm Downlight, Non-IC	<b>840</b> 80 CRI, 4000K		
<b>IC207LA</b> 700 lm Adjustable, IC rated	<b>927</b> 90 CRI, 2700K		
<b>TC207LA</b> 700 lm Adjustable, Non-IC	<b>930</b> 90 CRI, 3000K		
<b>IC210LA</b> 1000 lm Adjustable, IC rated			
<b>TC210LA</b> 1000 lm Adjustable, Non-IC			

Example: **2007C-SF**

Trim/Description		
		
Self Flanged <sup>1</sup>	Flush Mount <sup>2</sup>	Description
<b>2007C-SF</b>	<b>2007C-FM</b>	Clear Specular Cone
<b>2007B-SF</b>	<b>2007B-FM</b>	Black Specular Cone
<b>2007HZ-SF</b>	<b>2007HZ-FM</b>	Haze Cone
<b>2007W-SF</b>	<b>2007W-FM</b>	White Cone
<b>2007WHZ-SF</b>	<b>2007WHZ-FM</b>	Wheat Haze Cone

<sup>1</sup>For self flanged reflector with optional white painted flange, replace "SF" suffix with "SFWH".

<sup>2</sup>Flush Mount trims must be used with Flush Mount Adapter in drywall ceilings, ordered separately.


Product specifications subject to change without notice.


**LUMEN OUTPUT MULTIPLIERS**

Color Temperature	CRI	Multiplier
2700K	80	0.93
3000K	80	1.00
3500K	80	1.02
4000K	80	1.06
2700K	90	0.71
3000K	90	0.77

**Accessories**

Cat. #	Description
<b>FMA2</b>	New Construction Flush Mount Adapter for drywall ceilings
<b>CTA2-120</b>	Thick Ceiling Adapter for .75"-1.20" thick ceiling
<b>CTA2-150</b>	Thick Ceiling Adapter for 1.20"-1.50" thick ceiling
<b>TIR-ACLX2-SP</b>	18° Spot Optic
<b>TIR-ACLX2-NFL</b>	24° Narrow Flood Optic
<b>TIR-ACLX2-FL</b>	35° Flood Optic
<b>TIR-ACLX2-WFL</b>	45° Wide Flood Optic
<b>AF2-SPREAD</b>	35mm Linear Spread Optic Film
<b>AF2-DIFFUSION</b>	35mm Diffusion Optic Film
<b>EMI-20</b>	20W Emergency Lighting Inverter

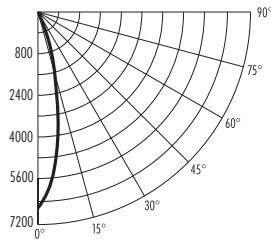
	<b>Construction:</b> Type IC & Non-IC
	<b>CCT/CRI:</b> 827, 830, 835, 840, 930
	<b>Optic:</b> S, N, F, W
	<b>Trim Finish:</b> C, HZ, WHZ, B, W

	<b>Construction:</b> Type IC
	<b>CCT/CRI:</b> 930
	<b>Optic:</b> S, N, F, W
	<b>Trim Finish:</b> C, HZ, WHZ, W



**PHOTOMETRIC REPORT**

Test Report #: PT02140110  
 Catalog No: IC/TC210LD-830-S-1  
 with 2007HZ trim  
 Luminaire Spacing Criterion: 0.34  
 Luminaire LPW: 69



**CANDLEPOWER DISTRIBUTION (Candelas)**

Degrees Vertical	0°
0	6689
5	5712
15	1552
25	215
35	33
45	2
55	0
65	0
75	0
85	0
90	0

**AVERAGE INITIAL FOOTCANDLES**

Multiple Units (Square Array, 60"x60" room)  
 Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	72	67	63
5.0'	46	43	40
6.0'	32	30	28
7.0'	26	24	23
8.0'	21	19	18
9.0'	16	15	14
10.0'	12	11	10

**INITIAL FOOTCANDLES**

(One Unit, 14.8W, 19.6° Beam)

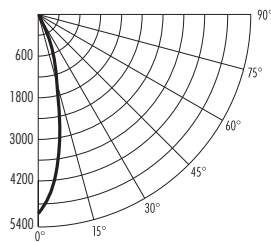
Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	185.8	2.1'
8	104.5	2.8'
10	66.9	3.5'
12	46.5	4.1'

**LUMINANCE (Average cd/m²)**

Degrees	Average Luminance
45	746
55	54
65	0
75	0
85	0

**PHOTOMETRIC REPORT**

Test Report #: PT02140106  
 Catalog No: IC/TC210LD-830-N-1  
 with 2007HZ trim  
 Luminaire Spacing Criterion: 0.38  
 Luminaire LPW: 64



**CANDLEPOWER DISTRIBUTION (Candelas)**

Degrees Vertical	0°
0	4993
5	4240
15	1496
25	290
35	37
45	4
55	1
65	0
75	0
85	0
90	0

**AVERAGE INITIAL FOOTCANDLES**

Multiple Units (Square Array, 60"x60" room)  
 Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	67	62	57
5.0'	43	40	37
6.0'	30	28	25
7.0'	24	22	21
8.0'	19	18	16
9.0'	15	13	12
10.0'	11	10	9

**INITIAL FOOTCANDLES**

(One Unit, 14.8W, 22.3° Beam)

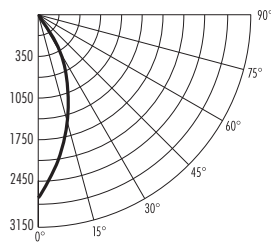
Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	138.7	2.4'
8	78.0	3.2'
10	49.9	3.9'
12	34.7	4.7'

**LUMINANCE (Average cd/m²)**

Degrees	Average Luminance
45	1800
55	379
65	220
75	120
85	0

**PHOTOMETRIC REPORT**

Test Report #: PT02140102  
 Catalog No: IC/TC210LD-830-F-1  
 with 2007HZ trim  
 Luminaire Spacing Criterion: 0.52  
 Luminaire LPW: 60



**CANDLEPOWER DISTRIBUTION (Candelas)**

Degrees Vertical	0°
0	2703
5	2253
15	1424
25	548
35	64
45	6
55	1
65	0
75	0
85	0
90	0

**AVERAGE INITIAL FOOTCANDLES**

Multiple Units (Square Array, 60"x60" room)  
 Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	63	57	52
5.0'	41	37	33
6.0'	28	25	23
7.0'	23	21	19
8.0'	18	16	15
9.0'	14	12	11
10.0'	10	9	8

**INITIAL FOOTCANDLES**

(One Unit, 14.8W, 31.6° Beam)

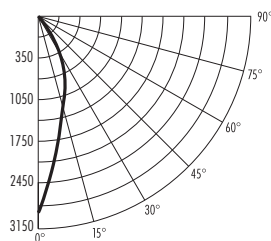
Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	75.1	3.4'
8	42.2	4.5'
10	27.0	5.7'
12	18.8	6.8'

**LUMINANCE (Average cd/m²)**

Degrees	Average Luminance
45	2547
55	595
65	294
75	240
85	356

**PHOTOMETRIC REPORT**

Test Report #: PT02140114  
 Catalog No: IC/TC210LD-830-W-1  
 with 2007HZ trim  
 Luminaire Spacing Criterion: 0.34  
 Luminaire LPW: 59



**CANDLEPOWER DISTRIBUTION (Candelas)**

Degrees Vertical	0°
0	2937
5	2122
15	1152
25	624
35	106
45	9
55	2
65	1
75	0
85	0
90	0

**AVERAGE INITIAL FOOTCANDLES**

Multiple Units (Square Array, 60"x60" room)  
 Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	62	55	50
5.0'	39	35	32
6.0'	27	24	22
7.0'	22	20	18
8.0'	18	16	14
9.0'	13	12	11
10.0'	10	9	8

**INITIAL FOOTCANDLES**

(One Unit, 14.8W, 20.8° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	81.6	2.2'
8	45.9	2.9'
10	29.4	3.7'
12	20.4	4.4'

**LUMINANCE (Average cd/m²)**

Degrees	Average Luminance
45	4040
55	1083
65	661
75	240
85	356



Fixtures tested to IES recommended standard for solid state lighting per LM-79-08. Photometric performance on a single unit represents a baseline of performance for the fixture. Results may vary in the field. Photometry is at 3000K CCT.

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