



2" LED RECESSED DOWNLIGHT 700 & 1000 LUMEN

HYPERBOLIC DOWNLIGHT CONE
NEW CONSTRUCTION

**IC/TC207LD, IC/TC210LD,
IC/TC207LA, IC/TC210LA**
with 2017 Trim

PRODUCT DESCRIPTION

Recessed LED downlight luminaire with 2" round aperture delivers up to 990 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 hyperbolic reflector in clear specular, black specular, haze, white or wheat haze finish provides a quiet ceiling and broad distribution.

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 trims • IC rated luminaires with 3000K, 90 CRI light engine are certified to high efficacy requirements of California T24 with select trims • 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.

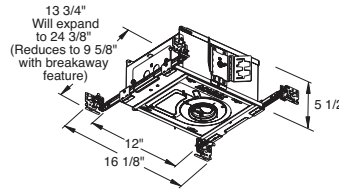
Wiring IC housing includes (2) 1/2" knockouts in access plate, and is compatible with rigid conduit and flexible supply • Non-IC housings include (2) 1/2" knockouts with pryout slots in junction box and are compatible with flexible electrical supply only • All housings supplied with quick connect electrical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

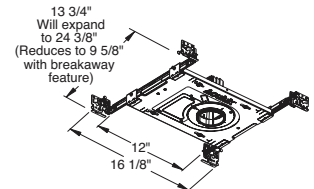


Type	Cat. No.
_____	_____
Project:	_____
Notes:	_____

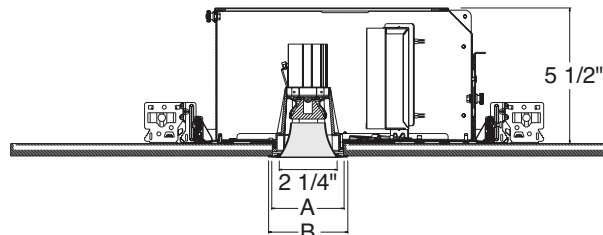
DIMENSIONS



**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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IC/TC207LA, IC/TC210LA
with 2017 Trim**

Ordering Information Housing, trim and accessories each ordered separately

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

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

Example: **2017C-SF**

Trim/Description		
		
Self Flanged ¹	Flush Mount ²	Description
2017C-SF	2017C-FM	Clear Specular Cone
2017B-SF	2017B-FM	Black Specular Cone
2017HZ-SF	2017HZ-FM	Haze Cone
2017W-SF	2017W-FM	White Cone
2017WHZ-SF	2017WHZ-FM	Wheat Haze Cone

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

²Flush 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
FMA2	New Construction Flush Mount Adapter for drywall ceilings
CTA2-120	Thick Ceiling Adapter for .75"-1.20" thick ceiling
CTA2-150	Thick Ceiling Adapter for 1.20"-1.50" thick ceiling
TIR-ACLX2-SP	18° Spot Optic
TIR-ACLX2-NFL	24° Narrow Flood Optic
TIR-ACLX2-FL	35° Flood Optic
TIR-ACLX2-WFL	45° Wide Flood Optic
AF2-SPREAD	35mm Linear Spread Optic Film
AF2-DIFFUSION	35mm Diffusion Optic Film
EMI-20	20W Emergency Lighting Inverter

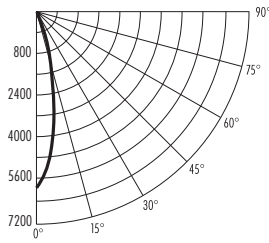
	Construction: Type IC & Non-IC
	CCT/CRI: 827, 830, 835, 840, 930
	Optic: S, N, F, W
	Trim Finish: C, HZ, WHZ, B, W

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



PHOTOMETRIC REPORT

Test Report #: PT02140706
 Catalog No: IC/TC210LD-830-S-1
 with 2017HZ trim
 Luminaire Spacing Criterion: 0.3
 Luminaire LPW: 67



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	6158
5	5259
15	1444
25	210
35	45
45	9
55	2
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'	69	64	59
5.0'	44	41	38
6.0'	31	28	26
7.0'	25	23	21
8.0'	20	18	17
9.0'	15	14	13
10.0'	11	10	9

INITIAL FOOTCANDLES

(One Unit, 14.8W, 18.5° Beam)

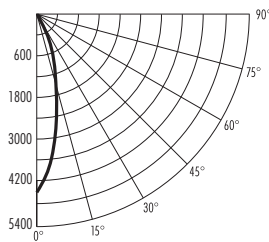
Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	171.1	2.1'
8	96.2	2.9'
10	61.6	3.6'
12	42.8	4.3'

LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	4720
55	1323
65	90
75	0
85	0

PHOTOMETRIC REPORT

Test Report #: PT02140707
 Catalog No: IC/TC210LD-830-N-1
 with 2017HZ trim
 Luminaire Spacing Criterion: 0.4
 Luminaire LPW: 62



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	4621
5	3991
15	1402
25	281
35	47
45	11
55	2
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'	64	59	55
5.0'	41	38	35
6.0'	29	26	24
7.0'	23	21	20
8.0'	18	17	16
9.0'	14	13	12
10.0'	10	9	9

INITIAL FOOTCANDLES

(One Unit, 14.8W, 22.5° Beam)

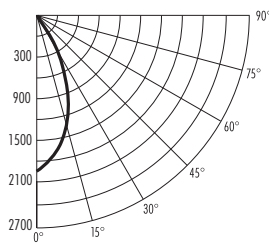
Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	128.4	2.4'
8	72.2	3.2'
10	46.2	4.0'
12	32.1	4.8'

LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	5954
55	1323
65	0
75	0
85	0

PHOTOMETRIC REPORT

Test Report #: PT02140708
 Catalog No: IC/TC210LD-830-F-1
 with 2017HZ trim
 Luminaire Spacing Criterion: 0.7
 Luminaire LPW: 59



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	1910
5	1848
15	1347
25	547
35	79
45	14
55	3
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'	61	54	49
5.0'	39	35	32
6.0'	27	24	22
7.0'	22	19	18
8.0'	17	15	14
9.0'	13	12	11
10.0'	10	9	8

INITIAL FOOTCANDLES

(One Unit, 14.8W, 39.5° Beam)

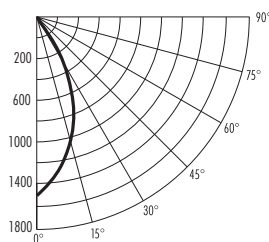
Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	53.1	4.3'
8	29.8	5.7'
10	19.1	7.2'
12	13.3	8.6'

LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	7670
55	1918
65	0
75	0
85	0

PHOTOMETRIC REPORT

Test Report #: PT02140705
 Catalog No: IC/TC210LD-830-W-1
 with 2017HZ trim
 Luminaire Spacing Criterion: 0.8
 Luminaire LPW: 56



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	1514
5	1421
15	1074
25	631
35	131
45	25
55	5
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'	58	51	46
5.0'	37	33	29
6.0'	26	23	20
7.0'	21	19	16
8.0'	17	15	13
9.0'	13	11	10
10.0'	9	8	7

INITIAL FOOTCANDLES

(One Unit, 14.8W, 44.7° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	42.1	4.9'
8	23.7	6.6'
10	15.1	8.2'
12	10.5	9.9'

LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	13463
55	3042
65	0
75	0
85	0

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.

