

ENTRA 3" LED

ADJUSTABLE DOWNLIGHT & WALL WASH

The ELEMENT Entra 3" adjustable LED downlight offers a cost-effective alternative to meet residential and commercial specifications on budget-sensitive projects. Custom engineered for high performance and reliability, ELEMENT Entra is easy to configure with a complete feature set that offers flexibility without an overwhelming list of options. Entra LED modules are available in High or Low Output, with 4 color temperatures and include 20°, 40° and 65° interchangeable optics with hot-aiming (30° tilt; 359° rotation). Flanged or flangeless (includes mud plate), round or square, flat or beveled die-cast trims in Silver and a paintable White finish. Remodel installation also available with same performance and trim options.

- Hot-aiming (30° tilt; 359° rotation)
- Flanged or Flangeless Ceiling Appearance
- 20°, 40° and 65° interchangeable optics (all included)
- Accepts 2 optical controls
- Warm Color Dimming 3000K-1800K
- 3-step color binning

SPECIFICATIONS

	HIGH OUTPUT	LOW OUTPUT	WARM DIM	
			HIGH	LOW
DELIVERED LUMENS	1311	980	925	715
WATTS	18	12	18	12
EFFICACY	73	82	49	59
CRI	90			
CBCP (AT 3000K)	20° - 4994			
	40° - 2544			
	65° - 1091			
CCT OPTIONS	2700K, 3000K, 3500K, 4000K, Warm Color Dimming (3000K - 1800K)			
COLOR CONSISTENCY	3-Step			
VOLTAGE	Universal 120V - 277V			
DIMMING*	TRIAC, ELV or 0-10V (all standard, down to 5%)			
POWER SUPPLY	Constant current driver with +.9 power factor and >87% efficiency			
OPTICS	20°, 40°, 65° (all included)			
ADJUSTABILITY	0-30° tilt, 359° rotation			
CEILING APPEARANCE	Flanged or Flangeless (Both accommodate 1/2" to 1 ceiling thickness)			
CEILING APERTURE	4" ceiling cut-out			
HOUSING	IC Airtight, Chicago Plenum. IC suitable up to R60 spray foam insulation.			
CONSTRUCTION	Housing: Heavy gauge cold rolled steel Trims: Die cast aluminum			
FINISH	Housing: Black powder coat Trims: Silver, White (paintable)			
GENERAL LISTING	ETL listed. Damp listed. Shower version wet listed. Energy Star.			
CALIFORNIA TITLE 24	Registered CEC Appliance Database. Can be used to comply with CEC 2016 Title 24 Part 6.			
LED LIFETIME	L70; 50,000 hours			
WARRANTY**	5 years			



shown in flangeless bevel square

*See techlighting.com for dimmer compatibility.
 **Visit techlighting.com for specific warranty limitations and details.
 Accepts two optical controls and an optional trim-mounted lens.
 Data in chart reflect 3000K/90 CRI values unless noted.

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GRIDS

HOUSING

PRODUCT SERIES	LAMP	CRI	TEMPERATURE	BEAM	FUNCTION	HOUSING RATING
EN3R ENTRA 3" ROUND	-LH HIGH OUTPUT	9 90 CRI	27 2700K	A 20° - 40° - 65°**	A ADJUSTABLE*	I IC AIRTIGHT
EN3S ENTRA 3" SQUARE	-LO LOW OUTPUT		30 3000K 35 3500K 40 4000K WD WARM DIM (3000K - 1800K)			C CHICAGO PLENUM
	-	9		A	A	

INCLUDES AN LED DRIVER WITH UNIVERSAL INPUT 120V - 277V, DIMMABLE BY TRIAC, ELV OR 0-10V CONTROLS.
HOUSING SHIPS WITH PLASTER-PLATE FOR USE ON FLANGELESS INSTALLATION, DO NOT USE PLATE FOR FLANGED INSTALLS.
TRIMS ARE REQUIRED AND MUST BE ORDERED SEPARATELY.

*ADJUST TO 30° TILT FOR WALL WASH APPLICATION.

**LED MODULE SHIPS WITH 40° OPTIC INSTALLED. INCLUDES 20° AND 65° OPTICS AS WELL.

TRIM

PRODUCT SERIES	CEILING APPEARANCE	STYLE	APERTURE	FINISH
EN3R ENTRA 3" ROUND	L FLANGELESS	B BEVEL	-O NO LENS	S SILVER*
EN3S ENTRA 3" SQUARE	F FLANGED UP TO 0.75" CEILING THICKNESS	F FLAT	-H SHOWER (SANDBLASTED LENS)*	W WHITE
	F1 FLANGED 0.75" - 1" CEILING THICKNESS†	W WALL WASH	-S SHOWER (SOLITE LENSED)*	
			-W WALL WASH (LENSED)**	
			-	

*SHOWER (SANDBLASTED LENS OR SOLITE LENSED) APERTURE (-H AND -S) REQUIRES BEVEL TRIM (B). SOLITE LENSED (-S) IS NOT AVAILABLE IN SILVER.

**WALL WASH STYLE TRIM (W) CAN ONLY BE USED WITH WALL WASH LENSED APERTURE (-W).

†NEW CONSTRUCTION ADJUSTABLE HOUSING ONLY.

LENSES/LOUVERS*

ITEM	DESCRIPTION
140MR16SF	ENTRA SOLITE ROUND LENS
140MR16SB	ENTRA SANDBLASTED LENS
140MR16LL	ENTRA LINEAR SPREAD LENS
140MR16DF	ENTRA DIFFUSER SPREAD LENS
140MR16GL	ENTRA CLEAR LENS
700A02-BK	ENTRA EGGRATE LOUVER

*LENSES/LOUVERS MOUNTED TO LAMP ASSEMBLY ONLY (MAX 2).

PROJECT INFO

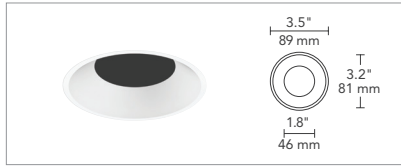
FIXTURE TYPE & QUANTITY	JOB NAME & INFO	NOTES



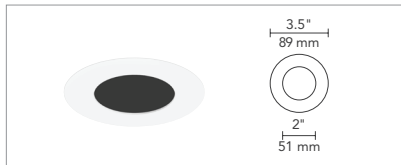
7400 Linder Avenue, Skokie, Illinois 60077
T 847.410.4400 F 847.410.4500

TRIMS

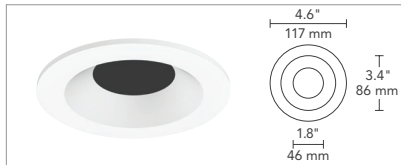
ROUND



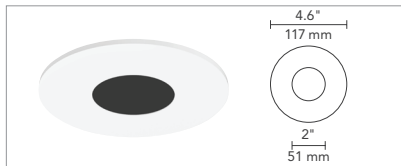
FLANGELESS BEVEL



FLANGELESS FLAT

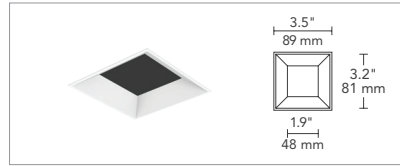


FLANGED BEVEL

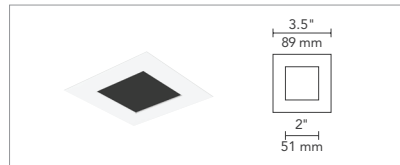


FLANGED FLAT

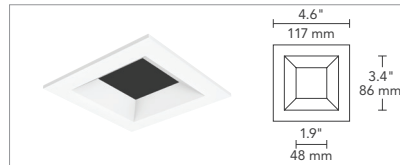
SQUARE



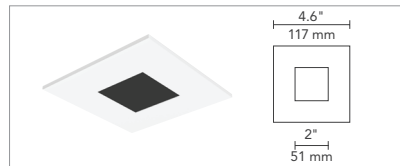
FLANGELESS BEVEL



FLANGELESS FLAT



FLANGED BEVEL



FLANGED FLAT

WALL WASH



FLANGELESS WALL WASH



FLANGED WALL WASH



FLANGELESS WALL WASH



FLANGED WALL WASH

FINISH



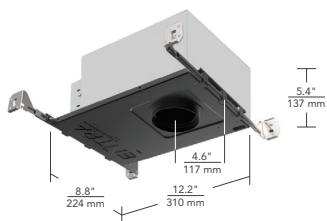
SILVER



WHITE (PAINTABLE)

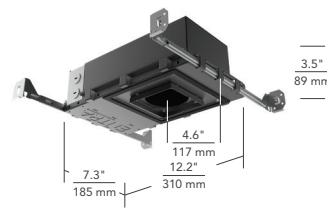
3" HOUSING

HIGH OUTPUT

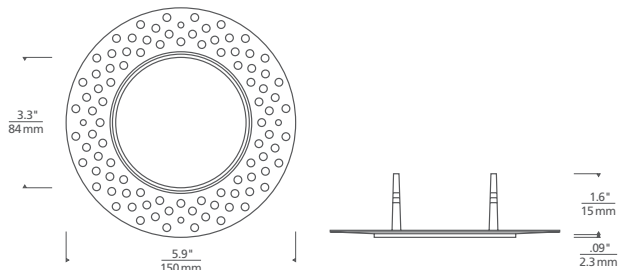


IC AIRTIGHT/CHICAGO PLENUM

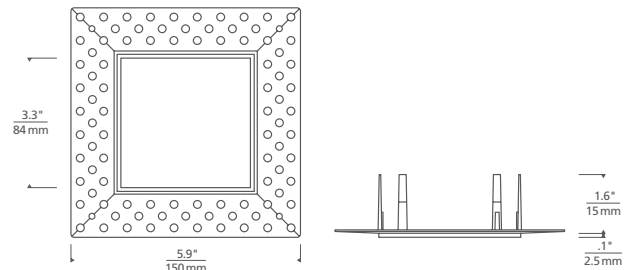
LOW OUTPUT



IC AIRTIGHT/CHICAGO PLENUM



*SHIPS WITH MUD/PLASTER PLATE FOR FLANGELESS INSTALLATION



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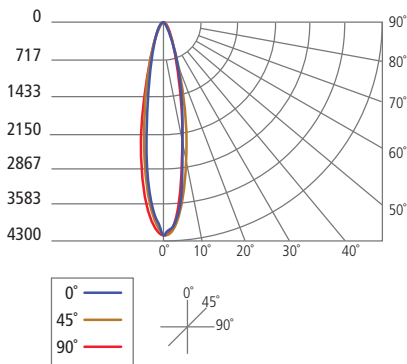
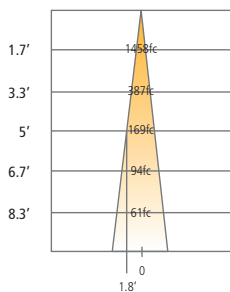
PHOTOMETRICS: 3" ENTRA LED

DESCRIPTION: 3" LED Module
20° Beam - 0° Tilt, 3000K

MODEL: ENTRA Adjustable 20° Low Output

INPUT POWER (WATTS): 11.9
INPUT POWER FACTOR: 0.98
ABSOLUTE LUMINOUS FLUX (LUMENS): 950
LUMEN EFFICACY (LUMENS PER WATT): 80

ANGLE	0°	45°	90°
0°	4213	4213	4213
5°	3746	3797	3620
10°	2524	2562	2359
15°	1429	1454	1292
20°	770	786	670
25°	435	439	358
30°	252	251	192
35°	132	136	99
40°	65	71	51
45°	30	38	24
50°	11	20	9
55°	5	9	4
60°	2	3	2
65°	1	1	1
70°	0	1	0
75°	0	0	0
80°	0	0	0
85°	0	0	0
90°	0	0	0

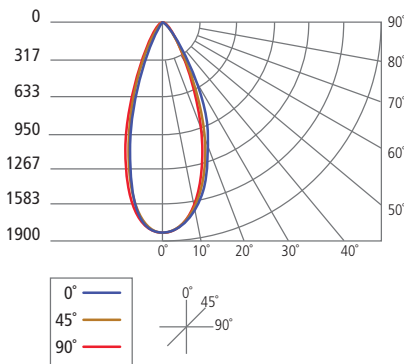
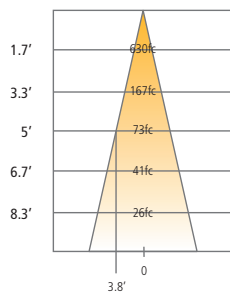


DESCRIPTION: 3" LED Module
40° Beam - 0° Tilt, 3000K

MODEL: ENTRA Adjustable 40° Low Output

INPUT POWER (WATTS): 11.9
INPUT POWER FACTOR: 0.98
ABSOLUTE LUMINOUS FLUX (LUMENS): 979
LUMEN EFFICACY (LUMENS PER WATT): 82

ANGLE	0°	45°	90°
0°	1822	1822	1822
5°	1771	1762	1770
10°	1624	1614	1588
15°	1413	1375	1289
20°	1130	1050	916
25°	795	700	562
30°	486	422	323
35°	267	242	175
40°	120	131	81
45°	49	65	33
50°	21	29	14
55°	10	10	7
60°	3	4	2
65°	0	2	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0
90°	0	0	0

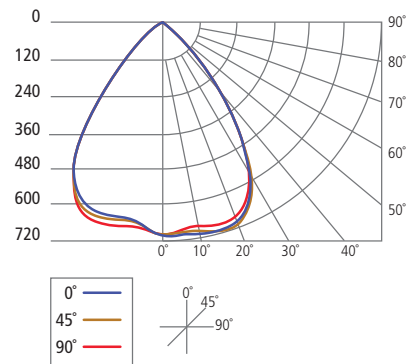
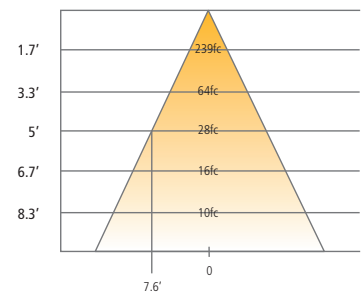


DESCRIPTION: 3" LED Module
65° Beam - 0° Tilt, 3000K

MODEL: ENTRA Adjustable 65° Low Output

INPUT POWER (WATTS): 11.9
INPUT POWER FACTOR: 0.98
ABSOLUTE LUMINOUS FLUX (LUMENS): 1022
LUMEN EFFICACY (LUMENS PER WATT): 86

ANGLE	0°	45°	90°
0°	691	691	691
5°	701	691	680
10°	703	696	677
15°	708	707	686
20°	698	706	683
25°	658	667	647
30°	568	580	563
35°	436	449	436
40°	275	296	285
45°	145	161	150
50°	68	72	67
55°	28	30	28
60°	3	13	5
65°	0	3	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0
90°	0	0	0



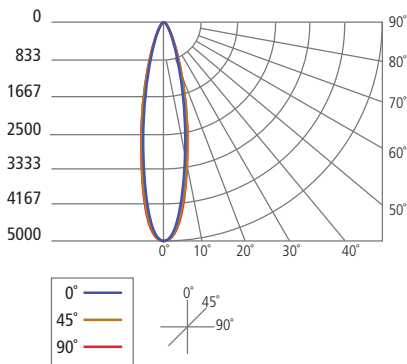
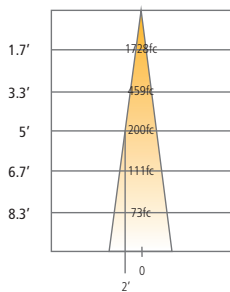
PHOTOMETRICS: 3" ENTRA LED

DESCRIPTION: 3" LED Module
20° Beam - 0° Tilt, 3000K

MODEL: ENTRA Adjustable 20° High Output

INPUT POWER (WATTS): 18.3
INPUT POWER FACTOR: 0.99
ABSOLUTE LUMINOUS FLUX (LUMENS): 1311.9
LUMEN EFFICACY (LUMENS PER WATT): 71.4

ANGLE	0°	45°	90°
0°	4994	4994	4994
5°	4241	4230	4370
10°	2808	2800	2940
15°	1686	1670	1736
20°	981	677	982
25°	570	564	546
30°	315	314	291
35°	176	178	161
40°	99	102	93
45°	56	60	53
50°	30	36	28
55°	17	20	16
60°	8	10	8
65°	2	5	1
70°	1	1	1
75°	1	1	1
80°	0	0	0
85°	0	0	0
90°	0	0	0

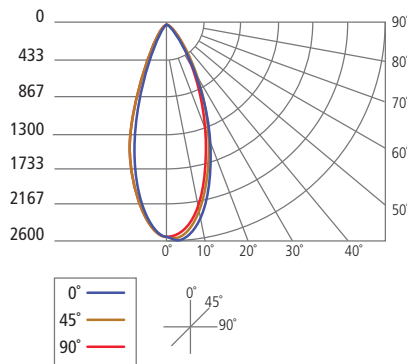
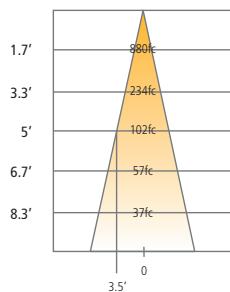


DESCRIPTION: 3" LED Module
40° Beam - 0° Tilt, 3000K

MODEL: ENTRA Adjustable 40° High Output

INPUT POWER (WATTS): 18.3
INPUT POWER FACTOR: 0.99
ABSOLUTE LUMINOUS FLUX (LUMENS): 1306.1
LUMEN EFFICACY (LUMENS PER WATT): 71.1

ANGLE	0°	45°	90°
0°	2544	2544	2544
5°	2550	2468	2426
10°	2299	2200	2134
15°	1893	1795	1711
20°	1406	1312	1217
25°	908	840	763
30°	528	492	440
35°	294	283	248
40°	155	163	136
45°	83	93	72
50°	46	52	40
55°	25	28	22
60°	10	15	8
65°	1	6	1
70°	1	1	1
75°	0	0	1
80°	0	0	0
85°	0	0	0
90°	0	0	0



DESCRIPTION: 3" LED Module
65° Beam - 0° Tilt, 3000K

MODEL: ENTRA Adjustable 65° High Output

INPUT POWER (WATTS): 18.3
INPUT POWER FACTOR: 0.99
ABSOLUTE LUMINOUS FLUX (LUMENS): 1255
LUMEN EFFICACY (LUMENS PER WATT): 68.4

ANGLE	0°	45°	90°
0°	1091	1091	1091
5°	1076	1070	1086
10°	1036	1039	1058
15°	982	985	995
20°	910	907	899
25°	811	803	774
30°	682	674	624
35°	537	525	460
40°	373	366	302
45°	234	226	179
50°	134	126	100
55°	68	65	50
60°	14	34	8
65°	1	7	1
70°	0	1	1
75°	0	1	1
80°	0	0	0
85°	0	0	0
90°	0	0	0

