ALPHABET

Alphabet by Ledra Brands, Inc. | 88 Maxwell Irvine, CA 92618 | PH: 714.259.9959 FAX: 714.259.9969 | AlphabetLighting.com

JOB NAME

CONTACT

ORDERING CODE

DIMENSION — Linear Wall Wash

LUTRON OEM ADVANTAGE ACCOUNT | nLight | CASAMBI | igor

DW10

DW5

DESCRIPTION

Dimension is an ultra-mini recessed downlight in linear housing. It features a white or black micro trim for retrofit or new construction. Options include 2 different beam spreads and 3 different baffle colors. Highly efficient 90CRI is standard up to 2000 lm. Offered fixed in 1, 2, 3, 5 and 10 cell combinations as well as wall wash, adjustable and fixed with integrated spots. Universal voltage 120V-277V. The flush, incognito appearance limits glare with unrivaled performance. Compatible with most dimming protocols including Casambi, nLight® and PoE.

HOUSING

Aluminum die cast frame and heatsink integrated into one piece to provide enhanced thermal transfer from the LED board. 90min constant power IOTA emergency battery backup available in several power options.

MOUNTING

A spring loaded mounting system allows for quick and secure installation with LED and driver serviceability from below the ceiling. The springs allow variable ceiling thicknesses ranging from 1/8" to 7/8". Integrated rubber over the end of the spring provide a non-slip vibration resistant installation. Integrated bar hangers feature integral toothed nails, T-bar mounting slots with locking holes, tabs for joist positioning, and extendibility form 14-3/4" to 26". Remote driver mounting is also available.

LISTINGS

- ETLus Listed to UL2108, cETL Listed to CSA C22.2 #250.0
- Type Non-IC, IC, CP, Airtight ASTM Standard E283
- Suitable for damp locations

LED INFO

- LED: Osram® Opto Semiconductors SMT package # GW CSSRM2.CM
- SDCM: 3-step MacAdam Ellipse
- Lumen Maintenance: L_{70} > 60,000 hrs

ORDERING CODE

LM-79

SERIES	DW	linear wall wash
	DWT	linear wall wash trimless
TYPE	**5**	5 lens wall wash, 460 lm delivered
	10	10 lens wall wash, 1050 lm delivered
		Calculated Delivered Lumens = [Delivered Lumen Value] x [CCT Multiplier]
LED	**SW**	static white
CCT &	**27K**	2700K (0.99)
LM MULTIPLIER	**30K**	3000K (1.00)
	35K	3500K (1.01)
CRI	**90**	90 CRI
REFLECTOR	**WW**	wall wash
VOLTAGE & DIMMING	**UNV-DIM10**	120V-277V integrated driver, flicker free 0-10V dimming to 1%
	120-ELV[2,3]	120V integrated driver, leading and trailing edge dimming (Triac/ELV)
	LVL	low voltage luminaire, see page 2 for REMOTE DRIVER ORDERING CHART to specify driver.
MOUNTING OPTIONS	**NC**	new construction with ceiling fitting plate
	IC	insulation contact housing
	ICAT	insulation contact/airtight housing
	CP	chicago plenum housing
	RET	retrofit, no ceiling fitting plate
FINISH	**BK**	black
	WH	white
ELECTRICAL OPTIONS	**EM7**[1,4]	emergency battery backup, 90 minutes at 7 watts to LED
	EM12[1,4]	emergency battery backup, 90 minutes at 12 watts to LED
	FOR 347V	order separate "347V to 277V" step down transformer
	OPTION	p/n: P70489

ORDERING CODE

Follow the steps to specify your fixture, example:
DW10 - SW - 30K - 90 - WW - UNV - DIM10 - NC - WH - EM7

SW (LED)	POWER (WITH DRIVER)	POWER (LVL)		
DELIVERED LM	W (90CRI)	MA	VF	W (90CRI)
460	13	700	15	11
1050	24	700	29	20

Power Factor ≥ 0.9

NOTES
1. EM options require above ceiling access for battery maintenance. EM12 compatible with DW10 only.
2. Leading and Trailing Edge dimming available in 120V only. Dimming performance depends on dimmer and wiring configuration.
3. "120-ELV" option dims to 1% in DW10, 5% in 1xDW5. EATON dimmer # DAL06P recommended.
4. "EM7" & "EM12" not available with LVL option.

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REMOTE DRIVER ORDERING CODE (ORDER SEPARATELY)

PART NUMBER	DMNREM	remote driver
VOLTAGE & DIMMING	UNV-DIM10-30	120V-277V remote driver, flicker free 0-10V dimming to 1%; 1-30W, 2-42.9Vdc output
	UNV-DIM10Z-30	120V-277V remote driver, flicker free 0-10V dimming to 0.1%, 1-30W, 2-42.9Vdc output
	UNV-DIM10-50	120V-277V remote driver, flicker free 0-10V dimming to 1%, 1-50W, 1.5-55Vdc output
	UNV-DIM10Z-50	120V-277V remote driver, flicker free 0-10V dimming to 0.1%; 1-50W total, 2x 1.5-55Vdc outputs
	UNV-DALI-50	120V-277V remote driver, flicker free DALI dimming to 1%; 1-50W, 1.5-55Vdc output
	UNV-DALIZ-50	120V-277V remote driver, flicker free DALI dimming to 0.1%; 1-50W total, 2x 1.5-55Vdc outputs
	UNV-DMX-50	120V-277V remote driver, flicker free DMX dimming to 0.1%; 1-50W total, 3x 2-55Vdc outputs
	120-ELV-12	120V remote driver, leading & trailing edge dimming (Triac/ELV); 3.5-12W, 5-17Vdc output
	120-ELV-25	120V remote driver, leading & trailing edge dimming (Triac/ELV); 8.4-25W, 12-36Vdc output
	120-LTE-g	120V remote driver, Lutron Hi-Lume 2-Wire (Triac) dimming to 1%; 5.6-14W, 8-20Vdc output
	120-LTE-h	120V remote driver, Lutron Hi-Lume 2-Wire (Triac) dimming to 1%; 10.5-26.6W, 15-38Vdc output
	UNV-LUT-b	120V-277V remote driver, Lutron Hi-Lume Ecosystem dimming to 1%, Soft-on & Fade-to-Black; 21-35W, 30-50Vdc output
	UNV-LUT-c	120V-277V remote driver, Lutron Hi-Lume Ecosystem dimming to 1%, Soft-on & Fade-to-Black, 14.4-26W, 20.6-37.1Vdc output
	UNV-LUT-d	120V-277V remote driver, Lutron Hi-Lume Ecosystem dimming to 1%, Soft-on & Fade-to-Black, 8.4-16W, 12-22.9Vdc output
	UNV-LUTP-20	120V-277V remote driver, Lutron Hi-Lume Premier Ecosystem dimming to 0.1%, Soft-on & Fade-to-Black; 7-20W, 10-25.6Vdc output
	UNV-CAS-50	120V-277V remote driver, flicker free Casambi dimming to 0.1%, dim-to-dark; 1-50W, 2x 1.5-55Vdc outputs
	UNV-NLT-50	120V-277V remote driver, nLight control interface. Standard Cat-5/RJ45 connection, dimming to 0.1%; 1-50W, 2X 1.5-55Vdc outputs
	48-POE-1CH-N[1]	48V POE remote network node, standard Cat-5/RJ45 connection, dim-to-dark; 1 channel with a combined 8-53W, 12-48Vdc output
	48-POE-1CH-D[1]	48V POE remote device node, standard Cat-5/RJ45 connection, dim-to-dark; 1 channel with a combined 8-53W, 12-48Vdc output
	48-POE-1CH-NA[1]	48V POE remote network node, standard Cat-5/RJ45 connection, dim-to-dark; 1 channel with a combined 8-53W, 12-48Vdc output, with Accessory Inputs and Outputs
	48-POE-1CH-DA[1]	48V POE remote device node, standard Cat-5/RJ45 connection, dim-to-dark; 1 channel with a combined 8-53W, 12-48Vdc output, with Accessory Inputs and Outputs
	48-POE-4CH-NA[1]	48V POE remote network node, standard Cat-5/RJ45 connection, dim-to-dark; 4 channel with a combined 8-53W, 12-48Vdc output, with Accessory Inputs and Outputs
	48-POE-4CH-DA[1]	48V POE remote device node, standard Cat-5/RJ45 connection, dim-to-dark; 4 channel with a combined 8-53W, 12-48Vdc output, with Accessory Inputs and Outputs

ORDERING CODE

Follow the steps to specify your fixture, example:
DMNREM - UNV - DIM10 - 30

NOTES
1. A POE string of fixtures consists of 1 Network Node connected to a POE Power Injector and multiple Device Nodes. The combined output of the string must be between 8-53W and 12-48Vdc.

REMOTE POWER SUPPLY MATRIX (MIN-MAX UNITS & DIMMING RANGE)

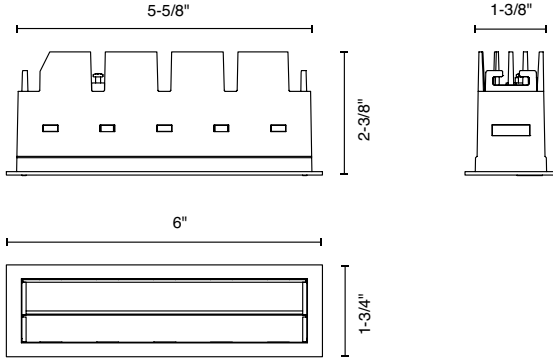|	DF1	DF2	DF3	DF5/DW5/DA5	DF10/DW10/DA10	DFS3	DFS6
DMNREM-UNV-DIM10-30	1-12	1-6	1-4	1-2	1	1-3	1
DMNREM-UNV-DIM10Z-30	1-12	1-6	1-4	1-2	1	1-3	1
DMNREM-UNV-DIM10-50	1-16	1-8	1-5	1-3	1	1-4	1-2
DMNREM-UNV-DIM10Z-50[1]	1-21 (16)	1-10 (8)	1-7 (5)	1-4 (3)	2 (1)	1-5 (4)	1-2 (2)
DMNREM-UNV-DALI-50	1-16	1-8	1-5	1-3	1	1-4	1-2
DMNREM-UNV-DALIZ-50[1]	1-21 (16)	1-10 (8)	1-7 (5)	1-4 (3)	2 (1)	1-5 (4)	1-2 (2)
DMNREM-UNV-DMX-50[1]	1-21 (16)	1-10 (8)	1-7 (5)	1-4 (3)	2 (1)	1-5 (4)	1-2 (2)
DMNREM-120-ELV-12	2-5	1-2	1	1	0	1	0
DMNREM-120-ELV-25	5-10	3-5	2-3	1-2	1	2	1
DMNREM-120-LTE-g	3-6	2-3	1-2	1	0	1	0
DMNREM-120-LTE-h	6-11	3-5	2-3	2	1	2	1
DMNREM-UNV-LUT-b	11-15	6-7	4-5	3	0	3	0
DMNREM-UNV-LUT-c	7-11	4-5	3	2	1	2	1
DMNREM-UNV-LUT-d	5-6	3	2	1	0	0	0
DMNREM-UNV-LUTP-20	4-7	2-3	2	1	0	1	0
DMNREM-UNV-CAS-50[1]	1-21 (16)	1-10 (8)	1-7 (5)	1-4 (3)	2 (1)	1-5 (4)	1-2 (2)
DMNREM-UNV-NLT-50[1]	1-21 (16)	1-10 (8)	1-7 (5)	1-4 (3)	2 (1)	1-5 (4)	1-2 (2)
DMNREM-48-POE-XXX	5-14	3-7	2-4	1-2	1	2-3	1

DIMMING RANGE DOWN TO XX %	
	Dims to 0.1%
	Dims to 1%
	Dims to 5%
	Dims to 10%

NOTES
1. DMNREM-UNV-DIM10Z-50, DMNREM-UNV-DALIZ-50, DMNREM-UNV-DMX-50, DMNREM-UNV-CAS-50 and DMNREM-UNV-NLT-50 have multiple outputs. The number in parentheses "(x)" is the max number of fixtures per output.
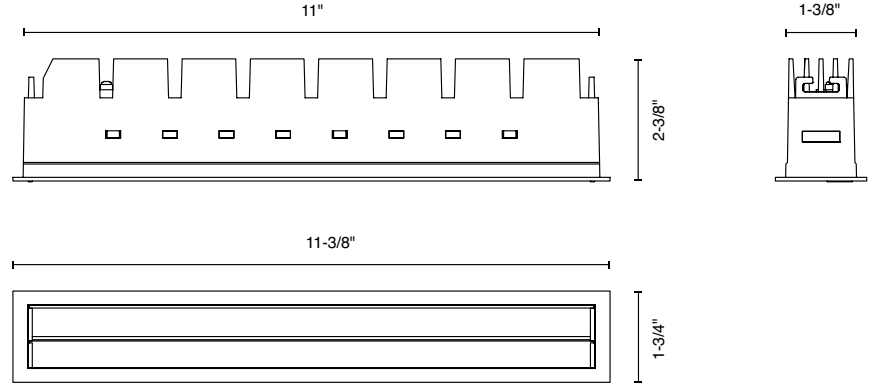
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PRODUCT DIMENSIONS

DW5

5-5/8"
1-3/8"
2-3/8"

6"
1-3/4"

TRIMMED CEILING CUTOUT 1-1/2" X 5-3/4"
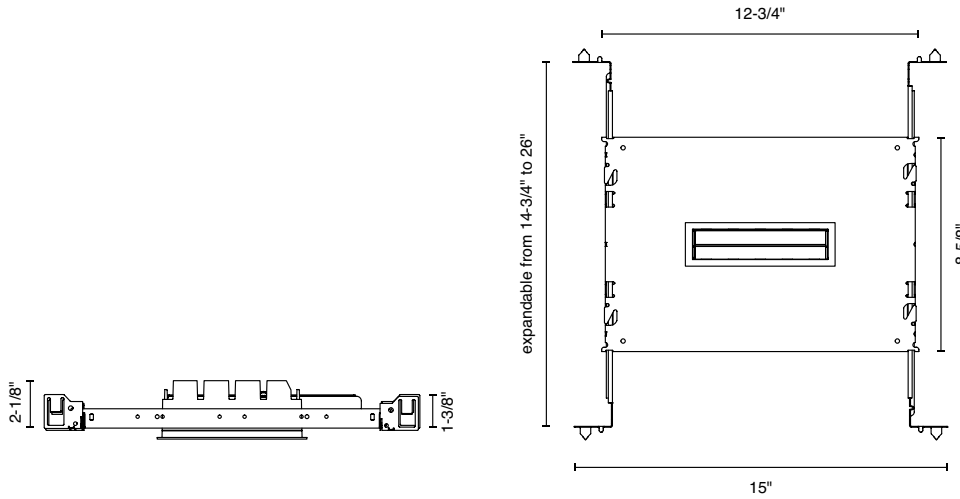TRIMLESS CEILING CUTOUT 2-1/8" X 6-3/8"

DW10

11"
1-3/8"
2-3/8"

11-3/8"
1-3/4"

TRIMMED CEILING CUTOUT 1-1/2" X 11-3/16"
TRIMLESS CEILING CUTOUT 2-1/8" X 11-3/4"
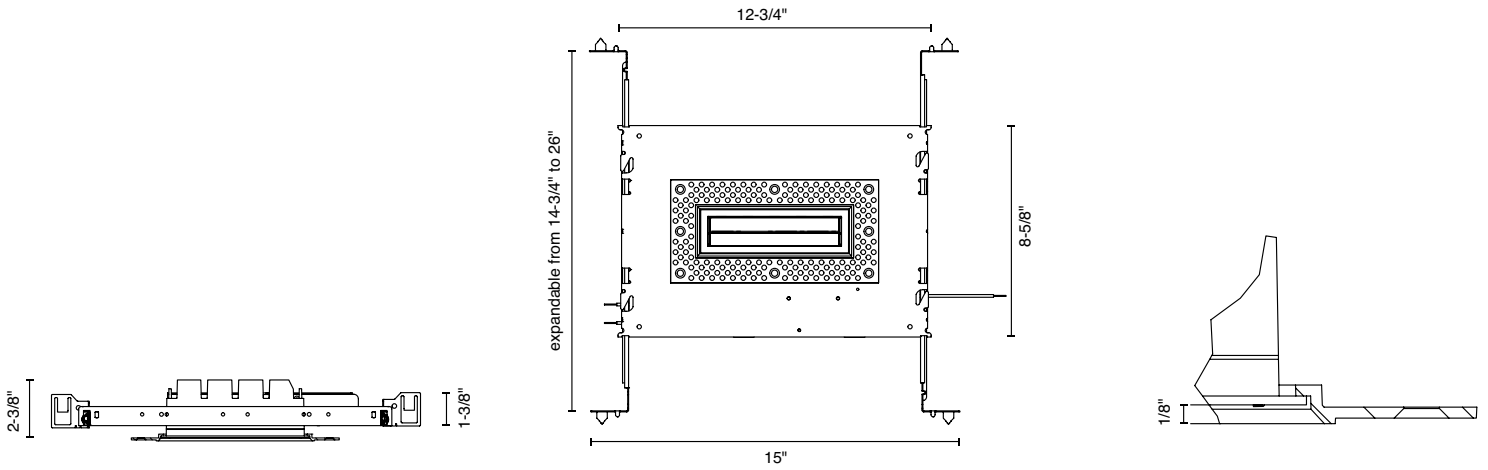
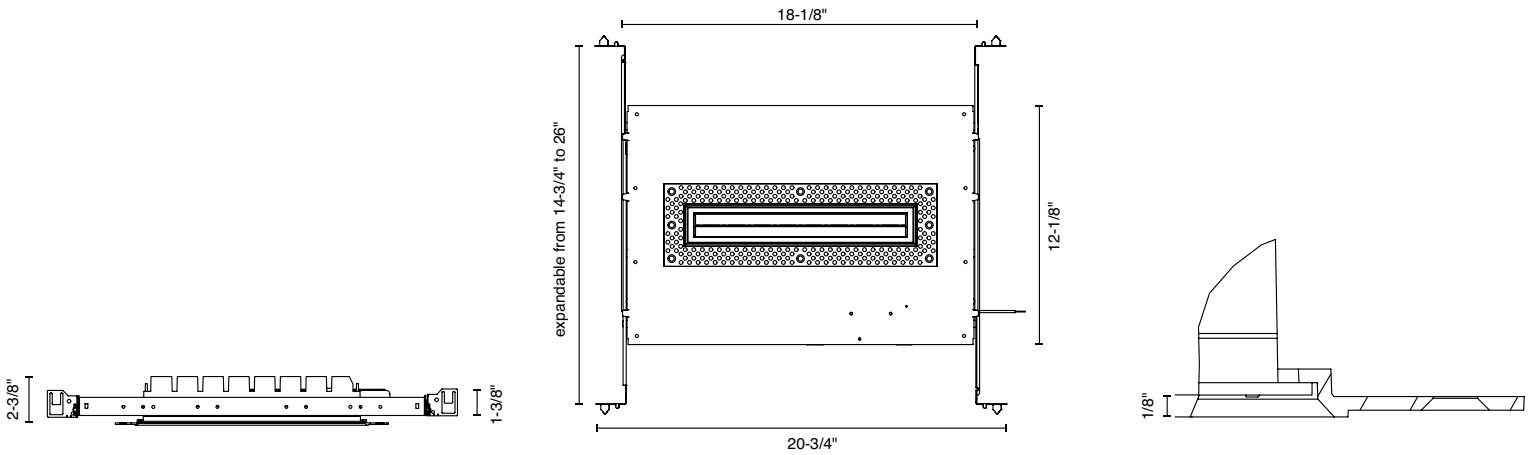## MOUNTING OPTIONS

NC - NEW CONSTRUCTION
DW5 TRIM

12-3/4"
expandable from 14-3/4" to 26"
8-5/8"
15"
2-1/8"
1-3/8"

NC - NEW CONSTRUCTION
DW10 TRIM

15-5/8"
expandable from 14-3/4" to 26"
12-1/8"
18-1/4"
2-1/8"
1-3/8"

NC - NEW CONSTRUCTION
DW5 TRIMLESS

12-3/4"

expandable from 14-3/4" to 26"

8-5/8"

15"

2-3/8"

1-3/8"

1/8"

NC - NEW CONSTRUCTION
DW10 TRIMLESS

18-1/8"

expandable from 14-3/4" to 26"

12-1/8"

20-3/4"

2-3/8"

1-3/8"

1/8"

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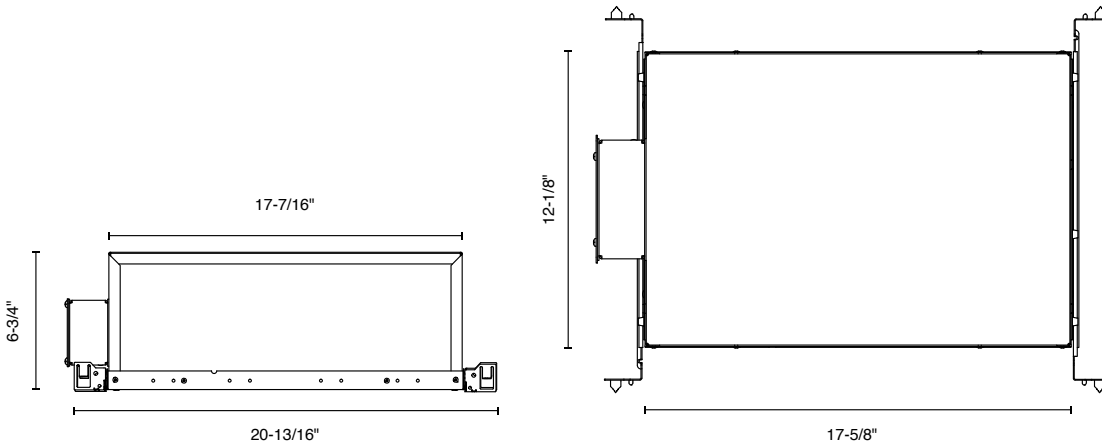PH: 714.259.9959
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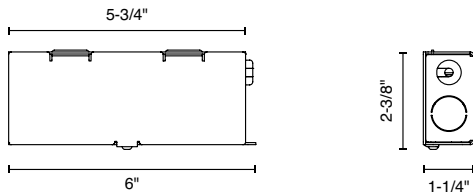AlphabetLighting.com
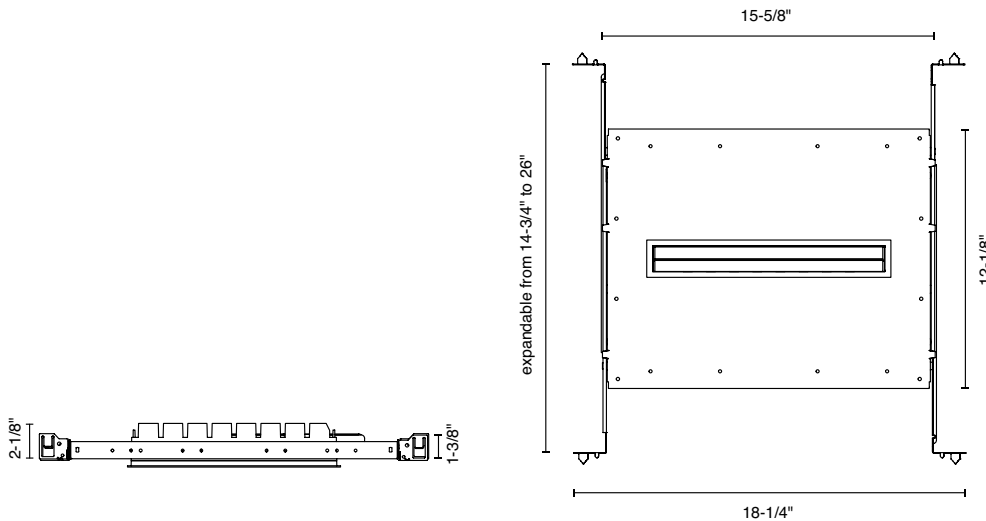
MOUNTING OPTIONS (CONTINUED)

IC - INSULATION CONTACT HOUSING
CP - CHICAGO PLENUM
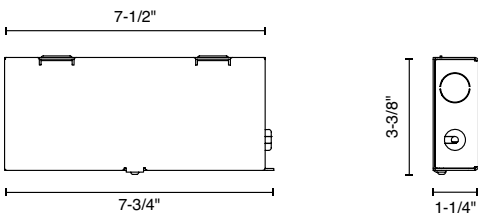### ICAT - INSULATION CONTACT / AIR TIGHT
DW5
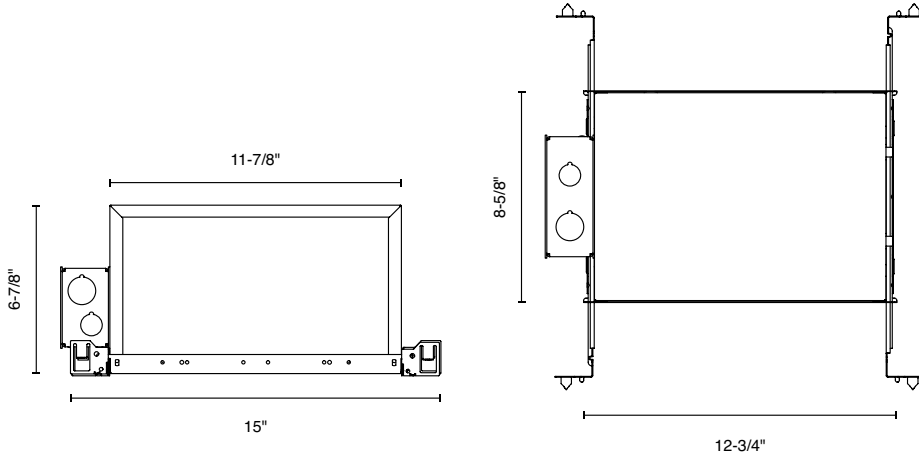
IC - INSULATION CONTACT HOUSING
CP - CHICAGO PLENUM
ICAT - INSULATION CONTACT / AIR TIGHT
DW10

RET - RETROFIT
DW5 ELV DIMMING

RET - RETROFIT
DW10 ELV DIMMING
DW5/DW10 DIM10

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APPLICATION EXAMPLE

FOOTCANDLES OF FIVE DW10 FIXTURES, 4' ON CENTER, 2' OFF THE WALL