

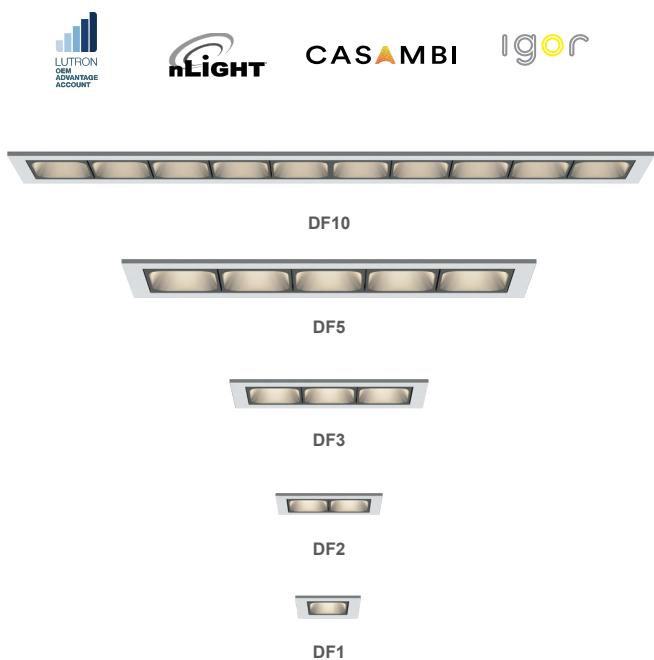
JOB NAME \_\_\_\_\_

CONTACT \_\_\_\_\_

ORDERING CODE \_\_\_\_\_

## DIMENSION

### Linear Fixed



**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		
<b>SERIES</b>	<b>DF</b> <b>DFT</b>	linear downlight linear downlight trimless
<b>TYPE</b>	1' 2' 3' 5' 10'	1 lens fixed, 180 lm delivered 2 lens fixed, 400 lm delivered 3 lens fixed, 610 lm delivered 5 lens fixed, 960 lm delivered 10 lens fixed, 2000 lm delivered <small>Calculated Delivered Lumens = [Delivered Lumen Value] x [CCT Multiplier] x [Lens Multiplier] x [Bezel Color Multiplier]</small>
<b>LED</b>	<b>SW</b>	static white
<b>CCT &amp; LM MULTIPLIER</b>	27K 30K 35K	2700K (0.99) 3000K (1.00) 3500K (1.01)
<b>CRI</b>	90	90 CRI
<b>LENS &amp; LM MULTIPLIER</b>	24D 40D	24° lens (1.00) 40° lens (0.91)
<b>VOLTAGE &amp; DIMMING</b>	UNV-DIM10 <sup>4</sup> 120-ELV <sup>2,3,5</sup> LVL	120V-277V integrated driver, flicker free 0-10V dimming to 1% 120V integrated driver, leading and trailing edge dimming (Triac/ELV) low voltage luminaire, see page 2 for REMOTE DRIVER ORDERING CHART to specify driver.
<b>MOUNTING OPTIONS</b>	NC IC <sup>7</sup> ICAT <sup>7</sup> CP <sup>7</sup> RET	new construction with ceiling fitting plate insulation contact housing insulation contact/airtight housing chicago plenum housing retrofit, no ceiling fitting plate
<b>FINISH</b>	BK WH	black white
<b>BEZEL COLOR</b>	BK WH MC	black (0.90) white (1.00) matte chrome (0.97)
<b>ELECTRICAL OPTIONS</b>	EM7 <sup>1,6</sup> EM12 <sup>1,6</sup> FOR 347V OPTION	emergency battery backup, 90 minutes at 7 watts to LED emergency battery backup, 90 minutes at 12 watts to LED order separate "347V to 277V" step down transformer p/n: P70489

ORDERING CODE \_\_\_\_\_

Follow the steps to specify your fixture, example:  
**DF3 - SW - 30K - 90 - 24D - UNV - DIM10 - NC - WH - WH - EM7**

SW (LED)	POWER (WITH DRIVER)	POWER (LVL)		
		DELIVERED LM	W (90CRI)	MA
180	3	700	3	2
400	7	700	7	5
610	9	700	9	7
960	13	700	15	11
2000	24	700	29	21

Power Factor ≥ 0.9

**NOTES**

- EM options require above ceiling access for battery maintenance. EM7 compatible with DF5 & DF10 only. EM12 compatible with DF10 only.
- Leading and Trailing Edge dimming available in 120V only.
- "120-ELV" option dims to 1% in DF10, 5% in 1xDF5, 10% in 1xDF3 & 1xDF2. EATON dimmer # DAL06P recommended.
- "UNV-DIM10" option requires above ceiling access for driver maintenance in models DF1, DF2 and DF3 only.
- "120-ELV" option not available for DF1. For phase dimming, see remote driver "LVL".
- "EM7" & "EM12" not available with LVL option.
- Remote driver is required for DF1, DF2, & DF3 in IC, ICAT, or CP. Use ordering code LVL, and refer to remote driver options.

## REMOTE DRIVER ORDERING CODE (ORDER SEPARATELY)

PART NUMBER	DMNREM	remote driver
<b>VOLTAGE &amp; DIMMING</b>	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 <sup>1</sup>	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 <sup>1</sup>	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 <sup>1</sup>	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 <sup>1</sup>	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 <sup>1</sup>	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 <sup>1</sup>	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)

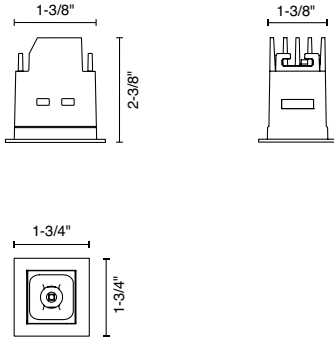
	DF1	DF2	DF3	DF5/DW5/DA5	DF10/DW10/DA10	DFS3	DFS6
DMNREM-UNV-DIM10-30	1-12	1-6	1-4	1-2	1	1-3	1
DMNREM-UNV-DIM10Z-30	1-12	1-6	1-4	1-2	1	1-3	1
DMNREM-UNV-DIM10-50	1-16	1-8	1-5	1-3	1	1-4	1-2
DMNREM-UNV-DIM10Z-50 <sup>1</sup>	1-21 (16)	1-10 (8)	1-7 (5)	1-4 (3)	2 (1)	1-5 (4)	1-2 (2)
DMNREM-UNV-DALI-50	1-16	1-8	1-5	1-3	1	1-4	1-2
DMNREM-UNV-DALIZ-50 <sup>1</sup>	1-21 (16)	1-10 (8)	1-7 (5)	1-4 (3)	2 (1)	1-5 (4)	1-2 (2)
DMNREM-UNV-DMX-50 <sup>1</sup>	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 <sup>1</sup>	1-21 (16)	1-10 (8)	1-7 (5)	1-4 (3)	2 (1)	1-5 (4)	1-2 (2)
DMNREM-UNV-NLT-50 <sup>1</sup>	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

<b>DIMMING RANGE DOWN TO XX %</b>	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.

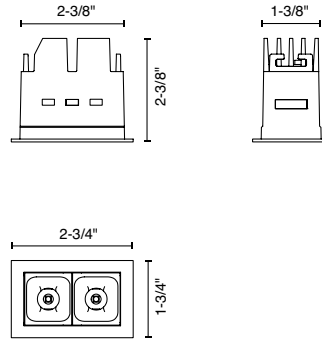
## PRODUCT DIMENSIONS

### DF1



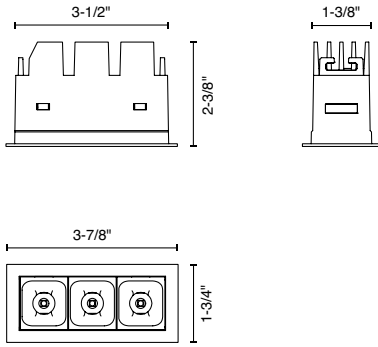
TRIMMED CEILING CUTOUT 1-1/2" X 1-1/2"  
TRIMLESS CEILING CUTOUT 2-1/8" X 2-1/8"

### DF2



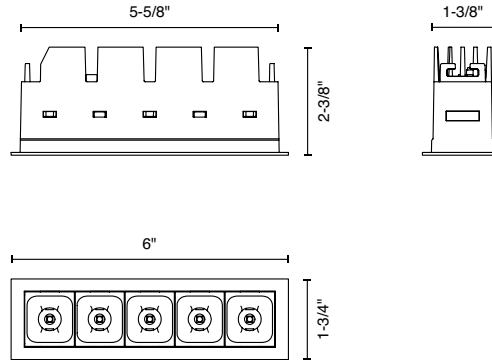
TRIMMED CEILING CUTOUT 1-1/2" X 2-1/2"  
TRIMLESS CEILING CUTOUT 2-1/8" X 3-1/8"

### DF3



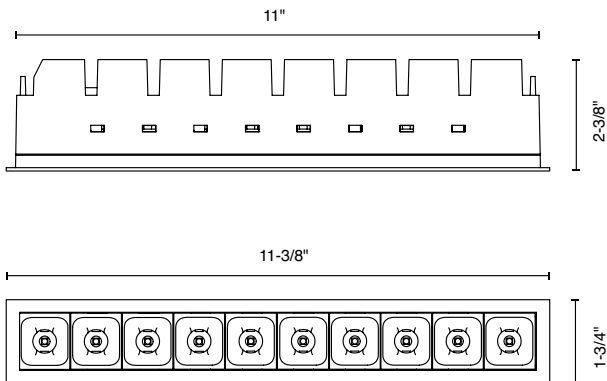
TRIMMED CEILING CUTOUT 1-1/2" X 3-5/8"  
TRIMLESS CEILING CUTOUT 2-1/8" X 4-3/16"

### DF5



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

### DF10

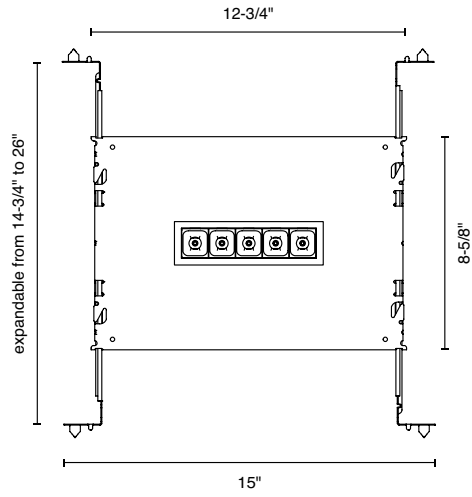
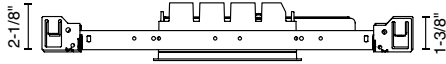


TRIMMED CEILING CUTOUT 1-1/2" X 11-3/16"  
TRIMLESS CEILING CUTOUT 2-1/8" X 11-3/4"

## MOUNTING OPTIONS

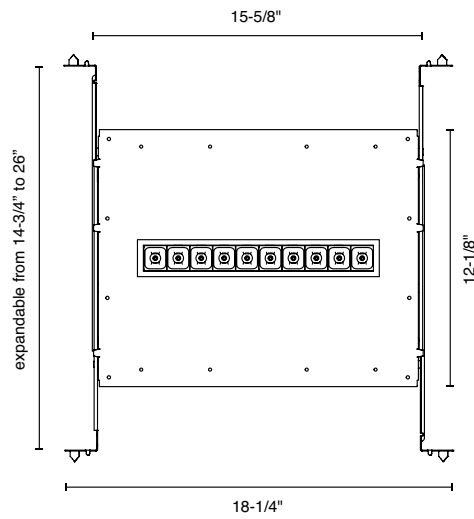
### NC - NEW CONSTRUCTION

#### DF1/DF2/DF3/DF5 TRIM



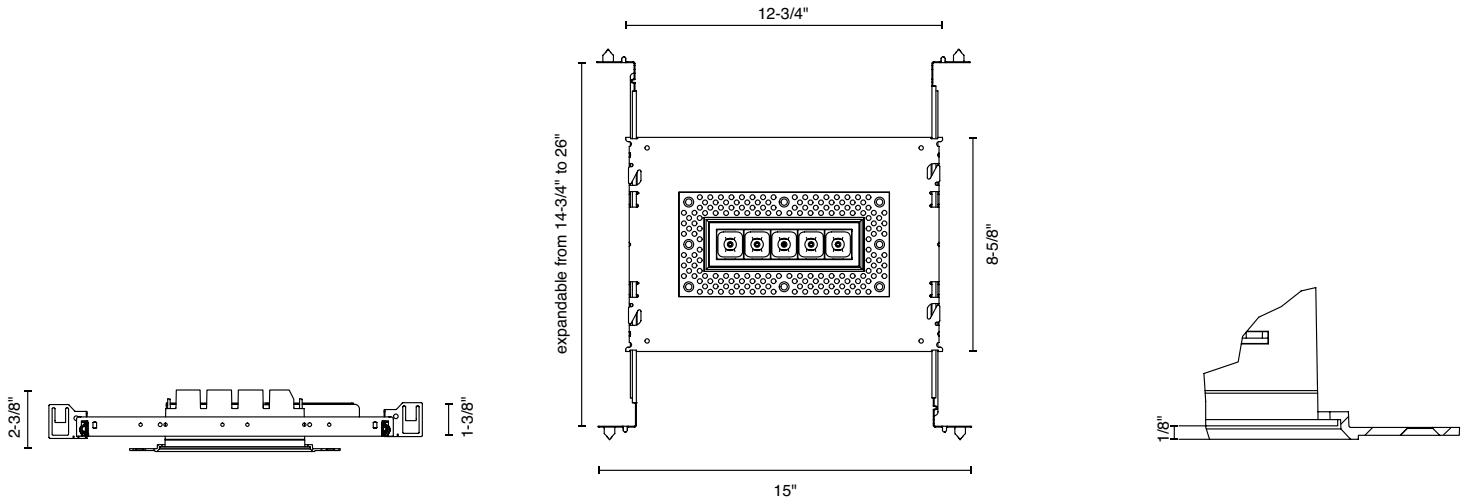
### NC - NEW CONSTRUCTION

#### DF10 TRIM

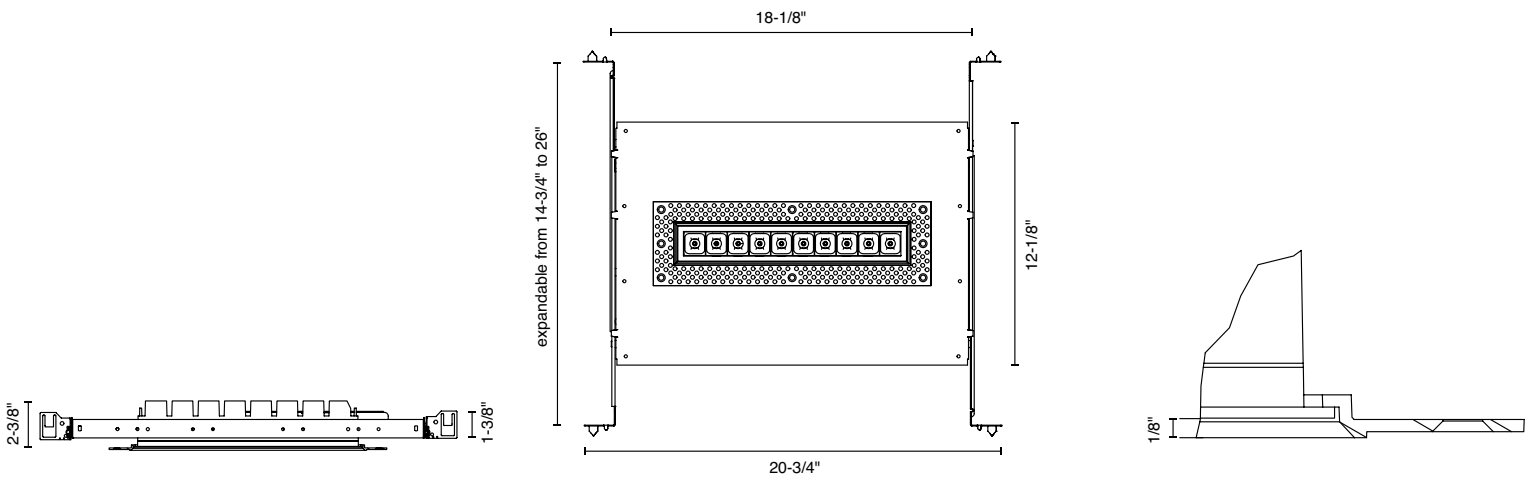


## MOUNTING OPTIONS (CONTINUED)

### NC - NEW CONSTRUCTION DF1/DF2/DF3/DF5 TRIMLESS

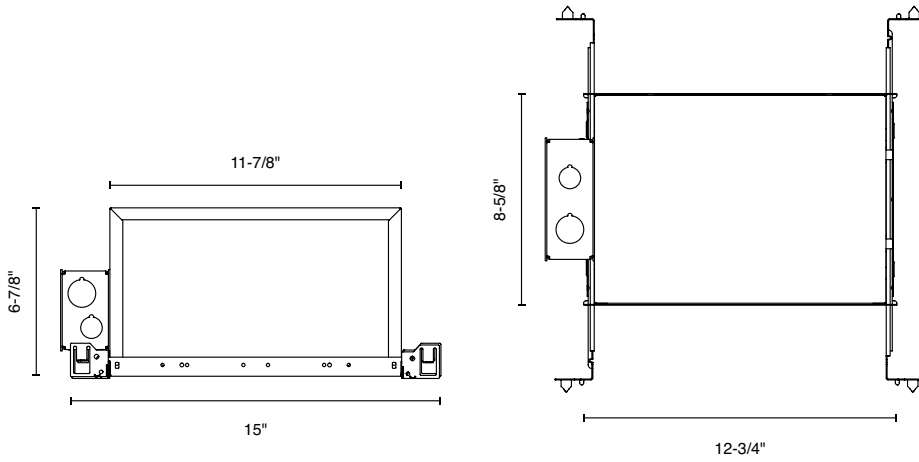


### NC - NEW CONSTRUCTION DF10 TRIMLESS

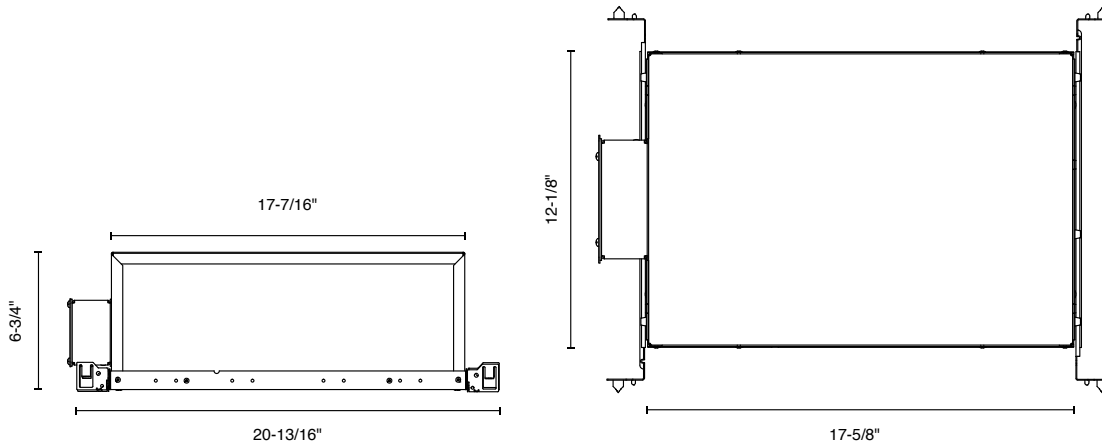


## MOUNTING OPTIONS (CONTINUED)

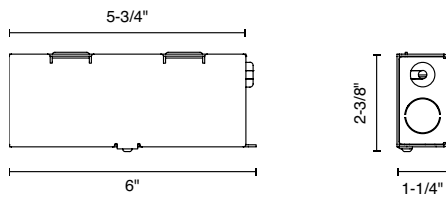
**IC - INSULATION CONTACT HOUSING**  
**CP - CHICAGO PLENUM**  
**ICAT - INSULATION CONTACT / AIR TIGHT**  
**DF1/DF2/DF3/DF5**



**IC - INSULATION CONTACT HOUSING**  
**CP - CHICAGO PLENUM**  
**ICAT - INSULATION CONTACT / AIR TIGHT**  
**DF10**



**RET - RETROFIT**  
**DF2/DF3/DF5 ELV DIMMING**



**RET - RETROFIT**  
**DF10 ELV DIMMING**  
**DF1/DF2/DF3/DF5/DF10 DIM10**

