

JOB NAME

CONTACT

ORDERING CODE



LM-79

DIMENSION

Linear Fixed With Spot



DFS6



DFS3

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 from 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

SERIES	DFS DFST	linear downlight with spot linear downlight with spot trimless
TYPE	3 6	3 lens fixed with 1 Spot, 610 lm delivered (downlight), 140 lm delivered (spot) 6 lens fixed with 2 spots, 1180 lm delivered (downlight), 140 lm delivered (each spot) <small>Calculated Delivered Lumens (Downlight) = [Downlight Delivered Lumen Value] x [CCT Multiplier] x [Downlight Lens Multiplier] x [Bezel Color Multiplier] Calculated Delivered Lumens (Spot) = [Spot Delivered Lumen Value] x [CCT Multiplier] x [Spot Lens Multiplier]</small>
LED	SW	static white
CCT & LM MULTIPLIER	27K 30K 35K	2700K (0.99) 3000K (1.00) 3500K (1.01)
CRI	90	90 CRI
DOWNLIGHT LENS & LM MULTIPLIER	24D 40D	24° lens (1.00) 40° lens (0.91)
SPOT LENS & LM MULTIPLIER	15D 25D	15° lens (1.00) 25° lens (1.41)
VOLTAGE & DIMMING	UNV-DIM10 120-ELV ^{2,3} 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.
MOUNTING OPTIONS	NC IC ICAT CP RET	new construction with ceiling fitting plate insulation contact housing insulation contact/airtight housing chicago plenum housing retrofit, no ceiling fitting plate
FINISH	BK WH	black white
BEZEL COLOR & LM MULTIPLIER	BK WH MC	black (0.90) white (1.00) matte chrome (0.97)
ELECTRICAL OPTIONS	EM7 ^{1,4} EM12 ^{1,4} 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:

DFS6 - SW - 30K - 90 - 24D - 15D - UNV - DIM10 - NC - WH - WH - EM7

SW (LED)	POWER (WITH DRIVER)	POWER (LVL)		
DELIVERED LM	W (90CRI)	MA	VF	W (90CRI)
610 / 140	11	700	12	9
1180 / 2 X 140	20	700	24	17

Power Factor ≥ 0.9

NOTES

1. EM options require above ceiling access for battery maintenance. EM12 compatible with DFS6 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 DFS6, 5% in 1xDFS3. EATON dimmer # DAL06P recommended.
4. "EM7" & "EM12" not available with LVL option.

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
	48-POE-1CH-DA ¹	Inputs and Outputs 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
	48-POE-4CH-NA ¹	Inputs and Outputs 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
	48-POE-4CH-DA ¹	Inputs and Outputs 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

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

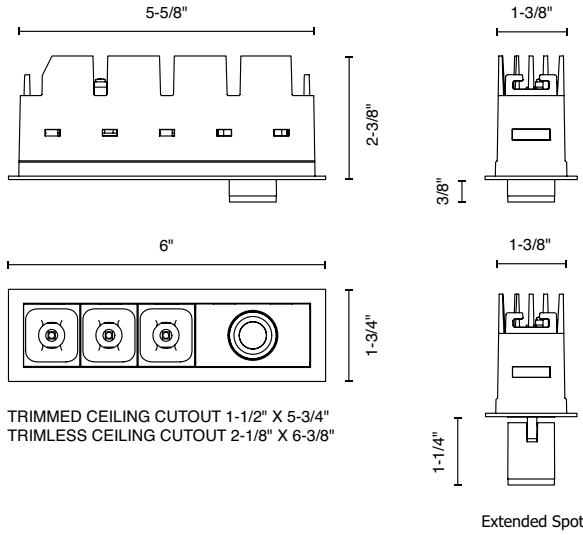
DIMMING RANGE DOWN TO XX %	Dims to 0.1%
	Dims to 1%
	Dims to 5%
	Dims to 10%

NOTES

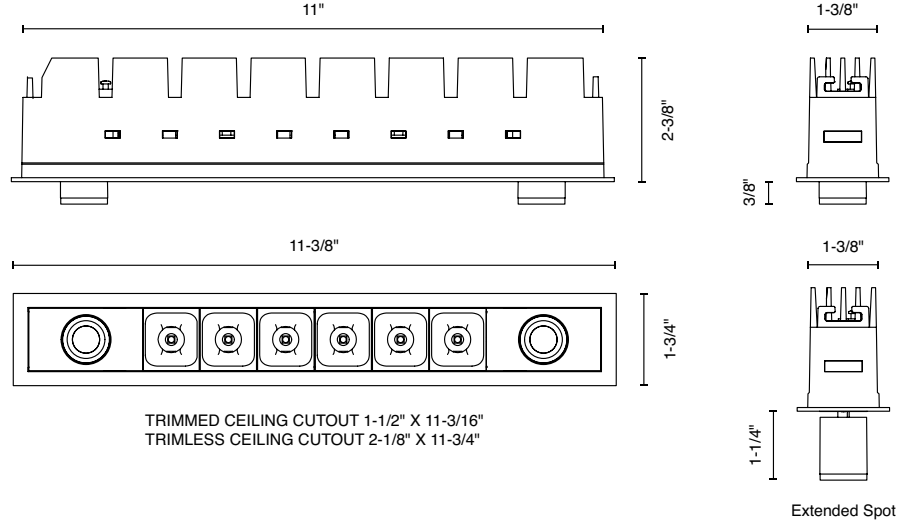
1. DMNREM-UNV-DIM10Z-50, DMNREM-UNV-DALIZ-50, DMNREM-UNV-DMX-50, DMNREM-UNV-CAS-50 and DMNREM-UNV-NLT-50 have multiple outputs. The number in parentheses "(x)" is the max number of fixtures per output.

PRODUCT DIMENSIONS

DFS3



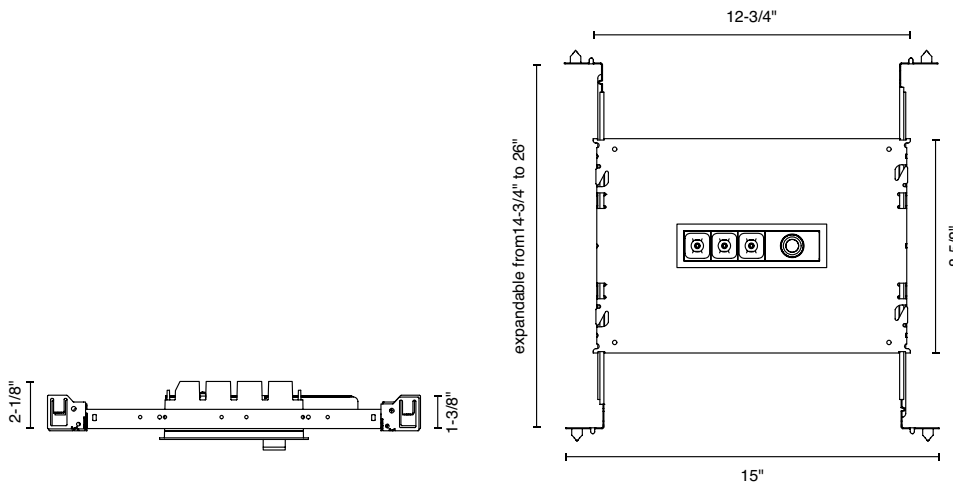
DFS6



MOUNTING OPTIONS

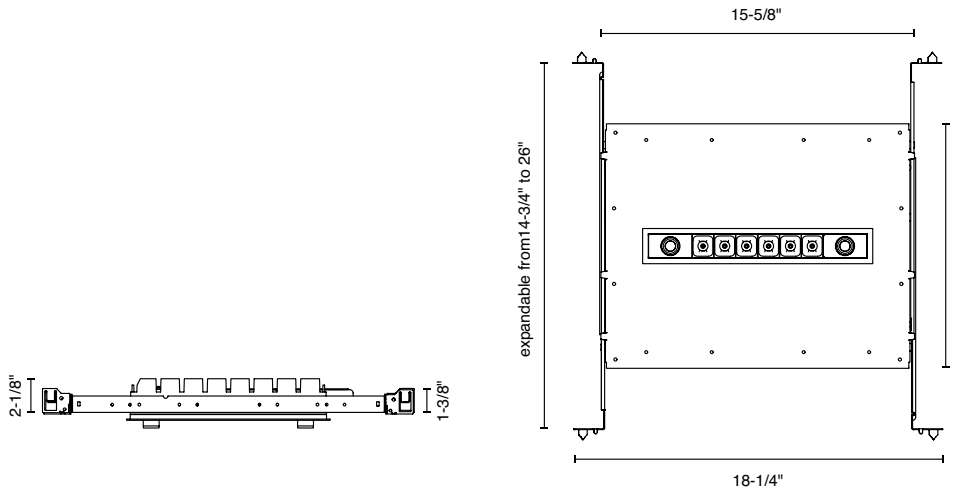
NC - NEW CONSTRUCTION

DFS3 TRIM



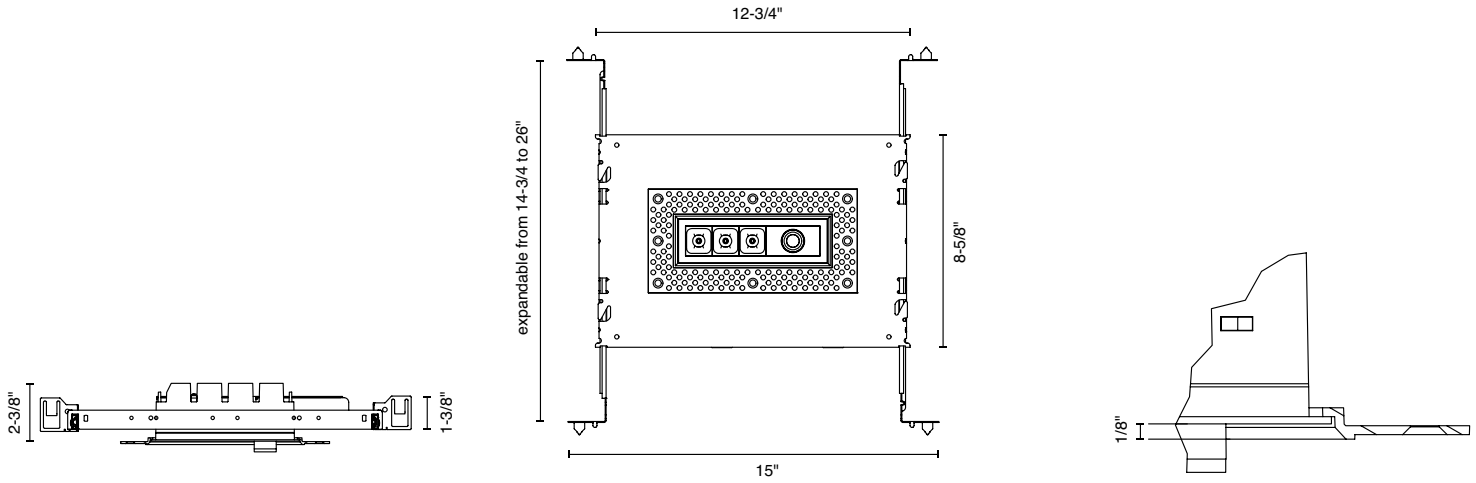
NC - NEW CONSTRUCTION

DFS6 TRIM

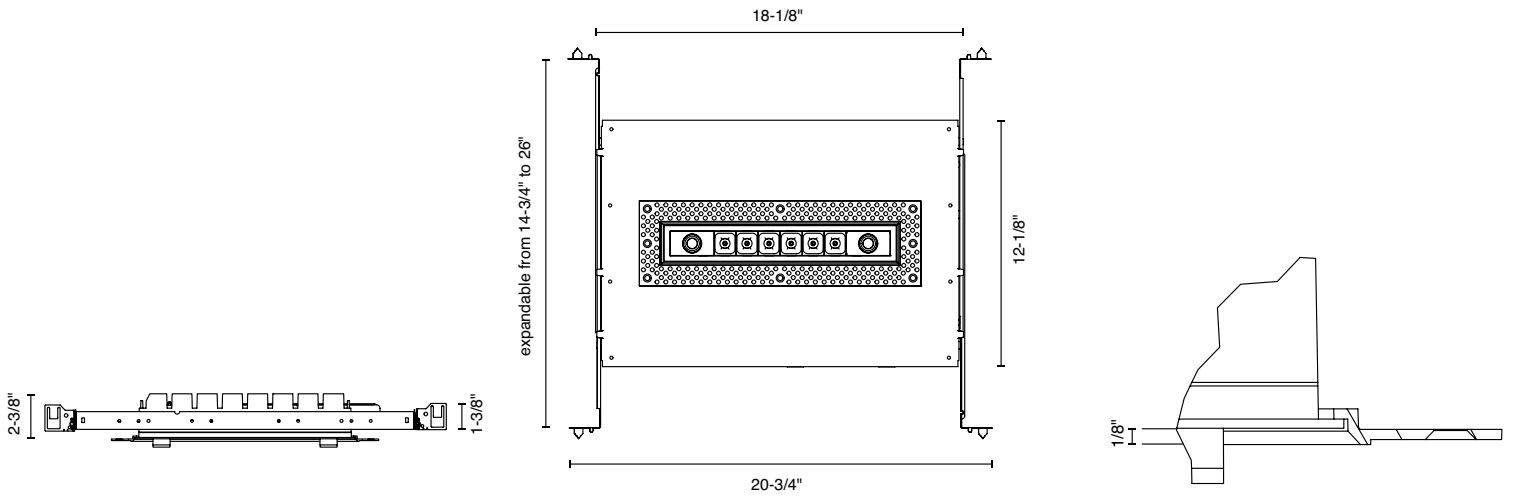


MOUNTING OPTIONS (CONTINUED)

NC - NEW CONSTRUCTION DFS3 TRIMLESS



NC - NEW CONSTRUCTION DFS6 TRIMLESS



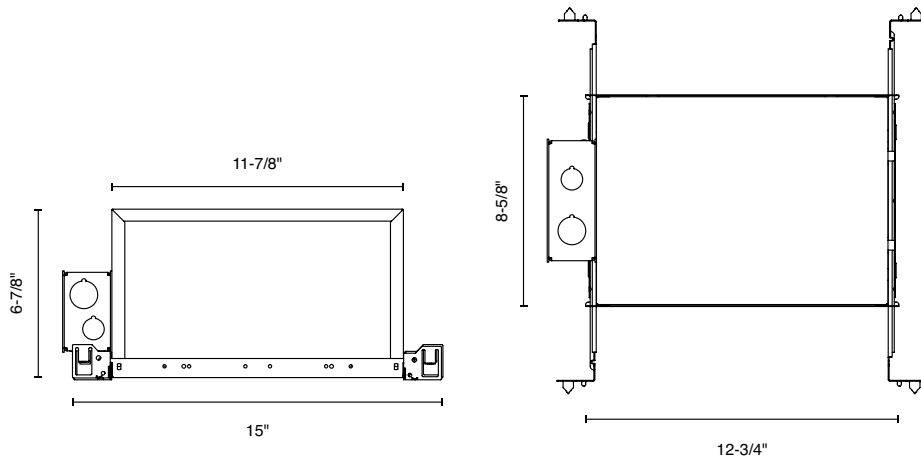
MOUNTING OPTIONS (CONTINUED)

IC - INSULATION CONTACT HOUSING

CP - CHICAGO PLENUM

ICAT - INSULATION CONTACT / AIR TIGHT

DFS3

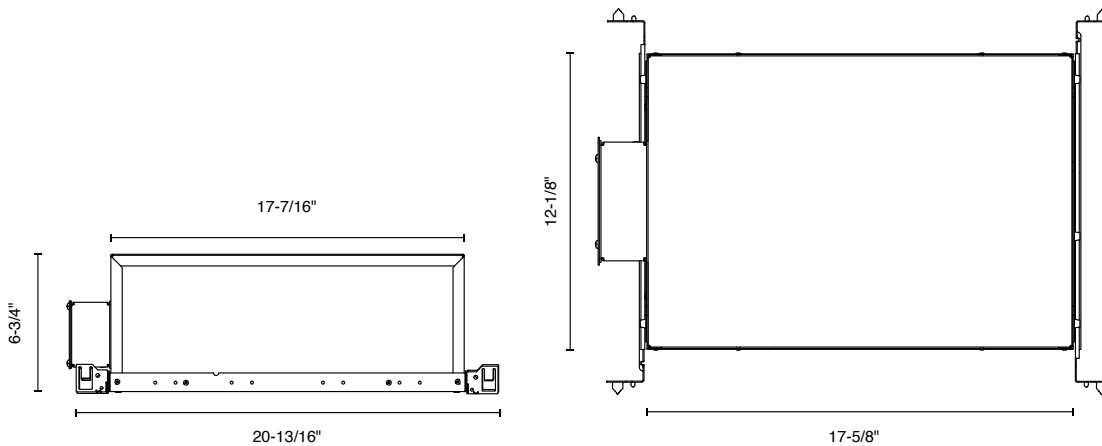


IC - INSULATION CONTACT HOUSING

CP - CHICAGO PLENUM

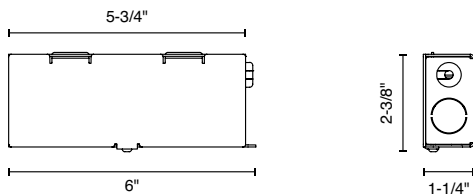
ICAT - INSULATION CONTACT / AIR TIGHT

DFS6



RET - RETROFIT

DFS3 ELV DIMMING



RET - RETROFIT

DFS6 ELV DIMMING

DFS3/DFS6 DIM10

