

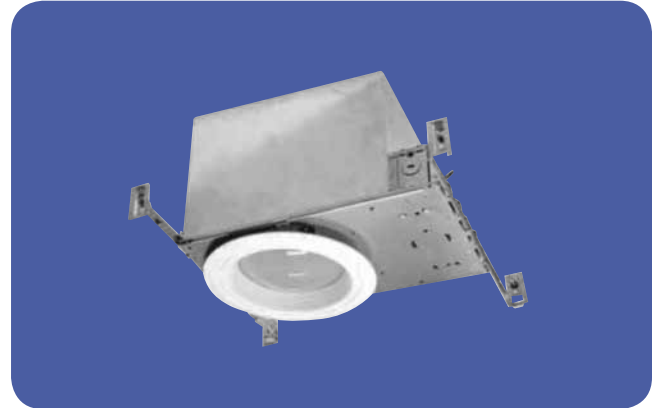
for 13W, 18W, 26W, 32W or 42W Compact Fluorescent.  
For use in direct contact with ceiling insulation

**APPLICATIONS**

The MDFEH-V6ICAD is designed for insulated ceilings and can be in direct contact with insulation material. The AIR-TIGHT housing design prevents airflow through the ceiling, helping save on heating and cooling costs. The MDFEH-V6ICAD offers a wide choice of trim types including reflector, lensed and wall wash trims and is warranted for 2 years.

**FEATURES & BENEFITS**

- ◆ Single wall aluminum housing
- ◆ 7-9/16" height allows use in 2" x 8" joist construction
- ◆ Housing adjusts for ceilings up to 1-1/4" thick
- ◆ Gasket included in J-box
- ◆ Listed for through branch circuit wiring (max. 8 no. 12 AWG 90°C branch circuit conductors, 4-in and 4-out)
- ◆ (5) 1/2" knockouts with true pry-out slots and (4) knockouts with Romex cable clamp
- ◆ Ground wire provided on J-box
- ◆ Maximum extension of 24" allows for extra distance between joists
- ◆ Housing can be positioned at any point with 24" joist span
- ◆ Score lines allow "tool-less" shortening for 12" joists. Bar hangers may be repositioned 90°
- ◆ Integral T-bar clips snaps onto T-bars and no additional clips are required
- ◆ Pre-installed nail bars with vertical slots are used to evenly align the bars horizontally after nailing halfway into wood joists
- ◆ G24Q/GX24Q base socket for use of 4-pin DTT or TTT lamps
- ◆ Socket cup with spring clip snaps into socket hole on the top of all of trims. Sealed cups is for AIR-TIGHT
- ◆ All trims with various shapes with baffle collar, shower lens and reflector finished in clear, gold, pewter, champagne
- ◆ Compact fluorescent lamps



- ◆ Generic minimum 13W maximum 42W lamp designations
  - \* DTT double twin tube (Quad/CFQ)
  - CFQ 13W / G24Q / 830
  - CFQ 18W / G24Q / 830
  - CFQ 26W / G24Q / 830
- \* TTT triple twin tube (Quad/CFQ)
  - CFTR 18W / GX24Q / 830
  - CFTR 26W / GX24Q / 830
  - CFTR 32W / GX24Q / 830
  - CFTR 42W / GX24Q / 830
- ◆ Recommended lamp, 10,000-hour rated average life.
- ◆ Color temperature (warm to cool) options offer 2700K warm or 3000K medium-warm incandescent-like light
- ◆ Thermally protected, fused, 120V HPF or NPF electronic ballast provides full light output and rated lamp life. Provides flicker-free and noise-free operation and starting. End of lamp life protection is standard. Meets FCC EMT/RFI consumer-level limits.
- ◆ UL, cUL listed for damp location
- ◆ UL, cUL listed for feed-through
- ◆ UL, cUL listed for direct contact with insulation material
- ◆ Air-tight, performance tested under ASTM E283

**ORDERING DATA**

**EXAMPLE: MDFEH-V6ICAD118NEQ**

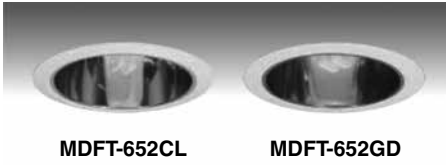
MDFEH-V6ICAD			
Housing	Lamp / Wattage	Ballast Type	Options
<b>MDFEH-V6ICAD</b>	<b>113-</b> (1) 13W <b>118-</b> (1) 18W <b>126-</b> (1) 26W <b>132-</b> (1) 32W	<b>NE-</b> NPF Electronic * <b>HE-</b> HPF Electronic (120/277V) <b>HEDM7-</b> Mark 7 Dimming (120/277V) <b>HED1-</b> Mark 10 Dimming (120V) <b>HED2-</b> Mark 10 Dimming (277V) <b>HELD1-</b> Lutron Compact SE (120V) <b>HELD2-</b> Lutron Compact SE (277V)	<b>EM-</b> Emergency w/Remote Test Switch <b>Q-</b> Quick Connectors

\* For use with (1) 13W, 18W and 26W 120V only

Other dimming products available. Consult factory.  
1% Lutron Hi-Lumen limited use for (1) 26W and (1) 32W TTT

CAT#		
JOB NAME		TYPE

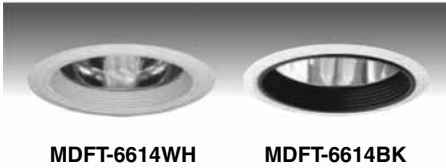
**TRIMS**



**MDFT-652**  
Specular Reflector  
42W TTT, 26W DTT  
White Plastic Trim Ring  
O.D. : 7-7/8"



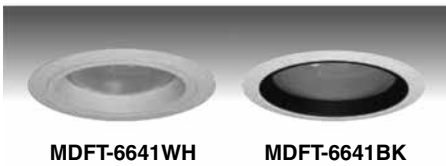
**MDFT-6619**  
Reflector with Wall Wash Plate  
32W TTT, 26W DTT  
White Metal Trim Ring  
O.D. : 7-7/8"



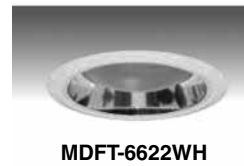
**MDFT-6614**  
Baffle with Reflector  
42W TTT, 26W DTT  
White Plastic Trim Ring  
O.D. : 7-7/8"



**MDFT-6640**  
Reflector with Frosted Drop Lens  
42W TTT, 26W DTT  
White Metal Trim Ring  
O.D. : 7-7/8"



**MDFT-6641**  
Baffle with Convex  
Frosted Lens / Reflector  
26W TTT, 18W DTT  
White Plastic Trim Ring  
O.D. : 7-7/8"



**MDFT-6622**  
Reflector with Convex  
Frosted Lens / Reflector  
26W TTT, 18W DTT  
White Plastic Trim Ring  
O.D. : 7-7/8"

**Trim Ring Ordering Information**

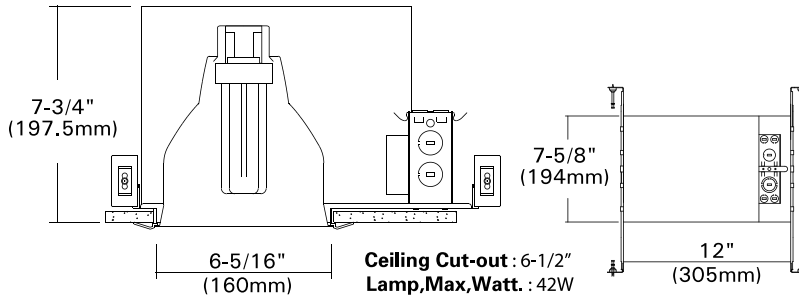
Choose the catalog / finish codes that best suit your needs and enter it in the appropriate line.

Trim Model	Reflector	Baffle	Metal Ring
	CL- Clear	WH- White	WH- White
	WH- White	BK- Black	BK- Black
	GD- Gold	SN- Satin Nickel	SN- Satin Nickel
	MA- Matte Platinum	AN- Antique Nickel	AN- Antique Nickel
	CP- Champagne	AC- Antique Copper	AC- Antique Copper
	PR- Pewter	MO- Mocha	MO- Mocha
	SM- Semi-Matte Clear	CA- Cappuccino	CA- Cappuccino
		CH- Chrome	CH- Chrome
		UN- Natural Steel	UN- Natural Steel
		PB- Polished Brass	PB- Polished Brass

**Example:**

MDFT-652CL = White Trim Ring with Clear Reflector  
MDFT-6641BK = Convex Frosted Lens in Black Baffle

**DIMENSIONS**



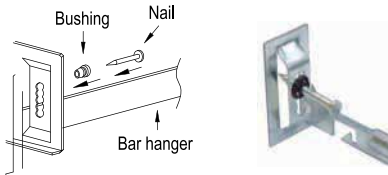
**MISCELLANEOUS**

**Lamp/Ballast Energy Data**

Nominal Lamp Wattage	13W, 18W, 26W, 32W, 42W HPF	13W, 18W, 26W NPF
Input Current	0.12A, 0.17A, 0.24A, 0.36A, 0.45A	0.12A, 0.17A, 0.24A
Input Power	14W, 20W, 28W, 35W, 48W	16W, 23W, 31W
Power Factor	0.998	0.630, 0.635, 0.641

**Just-A-Nail**

Adjustable nail hanger bar for easy alignment



**Optional "Quick-Connect" Push-In Wire Connectors**

- ◆ Three "Quick Connectors"
- ◆ Pre-installed push-in wire connectors for fast and easy wiring

**Compliance**

- ◆ State of California Title 24
- ◆ Washington State energy code
- ◆ New York State energy conservation construction code
- ◆ Energy Star Qualified
- ◆ Certified AIR-TIGHT under ASTM E283

**PHOTOMETRIC DATA**

32WTTT

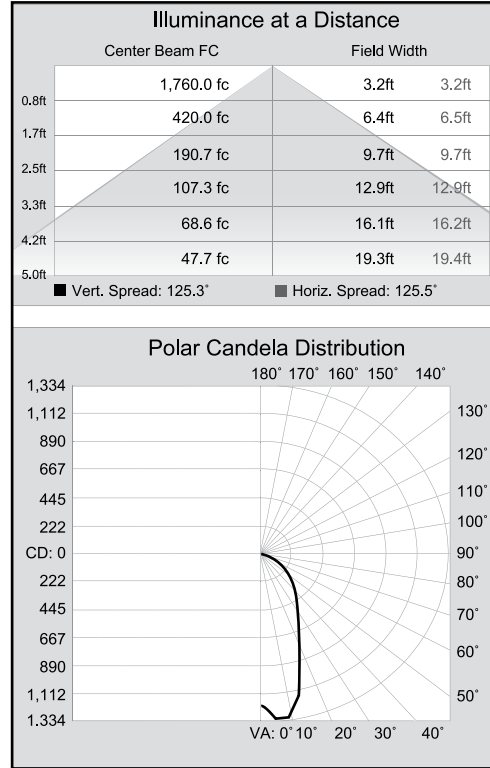
Total Efficiency: 72.1%

Zonal Lumen Summary

Zone	Lumens	Lamp (%)	Luminaire (%)
0-30	772.8	32.2	44.7
0-40	1,095.2	45.6	63.3
0-60	1,589.3	66.2	91.9
0-90	1,729.8	72.1	100

Lumens Per Zone

Zone	Lumens	% Total LU
0-10	1231.1	7.1
10-20	314.6	18.2
20-30	335.0	19.4
30-40	322.4	18.6
40-50	286.6	16.6
50-60	207.5	12
60-70	109.5	6.3
70-80	30.5	1.8
80-90	0.5	0



Coefficients of Utilization – Zonal Cavity Method

RC%		80	70	50	30	10	0
RW%		70 50 30 0	70 50 30 0	50 30 0	50 30 0	50 30 0	50
RCR:	0	86 86 86 86	84 84 84 84	80 80 80	77 77 77	74 74 74	72
	1	80 78 75 72	79 76 74 71	73 71 69	70 69 67	68 67 65	67
	2	75 70 66 62	73 69 65 61	66 63 60	64 62 59	62 60 57	61
	3	69 63 59 53	68 62 58 53	60 56 52	58 55 51	57 54 51	56
	4	65 57 52 47	63 57 52 46	55 51 46	53 50 45	52 49 45	51
	5	60 52 47 41	59 52 47 41	50 46 41	49 45 41	48 44 40	47
	6	56 48 43 37	55 47 42 37	46 42 37	45 41 37	44 41 36	44
	7	53 44 39 34	52 44 39 34	43 38 33	42 38 33	41 37 33	41
	8	50 41 36 31	49 41 36 31	40 35 31	39 35 30	38 34 30	38
	9	47 38 33 28	46 38 33 28	37 33 28	36 32 28	36 32 28	35
10	44 36 31 26	43 35 31 26	35 30 26	34 30 26	34 30 26	33	