

RA8242HEMV

8" Architectural Grade Compact Fluorescent Housing, Horizontal Lamp

Specifications/Features

Housing/Mounting

Architectural Grade 8" housing, 7-7/8" aperture. 8-1/8" ceiling cutout, maximum ceiling thickness: 1-1/4". Maximum height: 6-5/8", allow 3" clearance.

Installed hanger bars span 24" and include built-in nailers as well as T-bar hooks.

Junction box is provided for wiring 4-in and 4-out, with (4) 1/2" and (4) Romex pryouts; (1) 1/2" and 3/4" concentric knockout.

Lamp/Electrical

(2) 26W DTT or TTT 4-PIN Lamp, GX24Q-3 Base

(2) 32W TTT 4-PIN Lamp, GX24Q-3 base

(2) 42W TTT 4-PIN Lamp, GX24Q-4 base

Electronic, multi wattage ballast with high power factor (.99).

Multi Volt (120-277V). Sound rated A.

End of lamp life protection circuit.

Surge protected, meets ANSI C62.41.

Program start for extended lamp life.

Class P thermally protected by internal fuse in electronic ballast.

Maximum input (2) 26W current: @ 120V (.48A), @277V (.20A).

Maximum input (2) 32W current: @ 120V (.54A), @227V (.26A).

Maximum input (2) 42W current: @ 120V (.74A), @277V (.32A).

Trims

Commercial Grade trims are available in several different styles and finishes to complement your space. Commercial Grade trims have white trim flanges.

Specification Grade trims have a high quality Alzak™ low iridescence finish, optically designed for maximum lumen output. Available with white painted flange in standard and premium finishes.

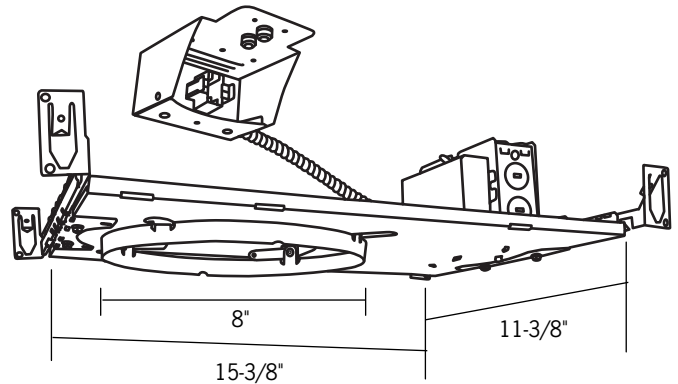
Warranty

This fixture is covered by ConTech's full one (1) year replacement guarantee after date of purchase.

Electronic ballasts have a five (5) year manufacturer's warranty.

Listing

cULus listed. Suitable for damp locations.



Ceiling Opening: 8-1/8"

Ordering Information

Example Order: -

Housing

RA8242HEMV

Trims

For Trims, see "8" Trims for Horizontal Lamp Compact Fluorescent Recessed Housings" spec sheet for trim information and details.

Options

CTR84C-CLR - 8" Diameter Cross Hair Louver, Spring Retention Insert, Clear Specular Aluminum Finish

DAMX - Advance MarkX Dimming Option

DLEC - Lutron ECOSYSTEM Dimming Option

EB4 - Factory Installed 4-PIN 650 Lumen Emergency Ballast with Remote Test Switch

EB4-IS - Factory Installed 4-PIN 650 Lumen Emergency Ballast with Internal Test Switch

EB4R - Remote 4-PIN 650 Lumen Emergency Ballast with Remote Test Switch

EBH-IS - Factory Installed 4-PIN 1300 Lumen Emergency Ballast with Internal Test Switch

HB30 - T-Bar Hanger Set

CP - Chicago Plenum (Consult Factory)

347V - Consult factory

Trims for 8" Horizontal Lamp Compact Fluorescent Recessed Housings

All trims are compatible with 6 Inch Horizontal Lamp Compact Fluorescent Recessed Housings: **RA8118HEMV, RA8142HEMV, RA8218HEMV, RA8226HEMV** and **RA8242HEMV** series housings.

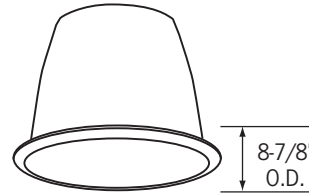
All trims have white trim finish unless specified.

All trims are cULus listed.

All trims are suitable for damp locations; only shower trims are listed for wet locations.

Specification Grade Trims

One piece ALZAK™ reflector. Spun parabolic contour provides 40° cutoff to lamp and lamp image. Optically designed for superior light control. All reflector finishes are low iridescent to eliminate the rainbowing effect. Self-flanged trim design that produces a smooth transition from fixture to ceiling. Custom finishes are available, consult Con-Tech for details. White painted flange available. Add "-WPF" after the catalog number.



CST8422H-CLR

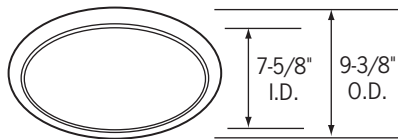
Clear Reflector

CST8423H-PL

Matte Platinum Reflector

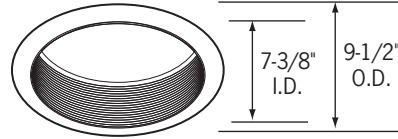
Finishes: -CLR (clear), **-PL** (matte platinum)

Commercial Grade Trims



CTR8422H-(CLR, WHT)

Specular Reflector: **-CLR** (Clear), **-WHT** (White)



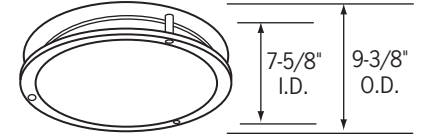
CTR8427H-P

Black Baffle Trim

CTR8427H-P-WHT

White Baffle Trim

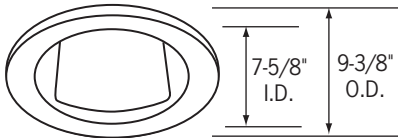
Clear specular reflector with regressed prismatic convex glass lens; 1-1/2" regress. Aluminum baffle and reflector. Wet location listed.



CTR8425H-P

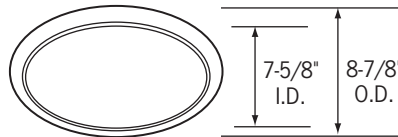
Floating Glass Trim

White Reflector, 1-1/2" Drop



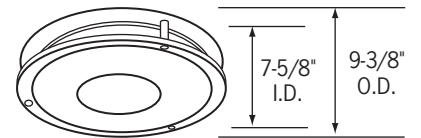
CTR8423H-CLR

Wall Wash Kickplate, Clear Reflector,
White Plastic Trim Ring



CTR8429H-(CLR, PL)

Self-flanged Specular Reflector
Clear or Matte Platinum finish.



CTR8426H-P

Floating Ring

White Reflector, 1-1/2" Drop, 3-1/2" Center Hole

Reflector/Trim Finishes

Reflector Finish Options:

CLR - Clear **PL** - Matte Platinum
WHT - White

Trim Finish Options:

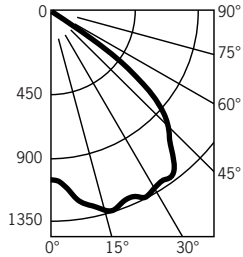
B - Black **P** - White

RA8242HEMV

8" Architectural Grade Compact Fluorescent Housing, Horizontal Lamp

Trim:
CST8422H-CLR
Clear Specular Reflector

Lamp: (2) 32W TRT
Lumens: 2400 per lamp
Spacing Criteria: 1.2
Test No.: 54036



Candlepower Summary

FROM 0	ZONAL LUMENS
0	1120
5	1116
15	1040
25	973
35	868
45	708
55	429
65	15
75	6
85	2
95	0

Cone of Light

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	31.1	9.2
8'	17.5	12.3
10'	11.2	15.3
12'	7.8	18.4
14'	5.7	21.5
16'	4.4	24.6

Note: Diameter shown is where fc value is half the fc at nadir.

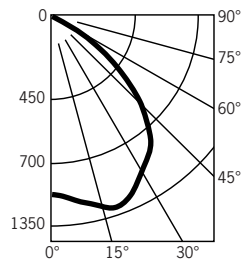
Coefficients of Utilization

RC RW	80%		70%		50%	
	50%	30%	50%	30%	50%	30%
0	72	72	70	70	67	67
1	66	64	64	63	62	60
2	59	56	58	55	56	54
3	53	49	53	49	51	48
4	48	44	47	43	46	42
5	44	39	43	39	42	38
6	40	35	39	35	38	34
7	36	31	36	31	35	31
8	33	28	33	28	32	28
9	30	26	30	26	29	25
10	28	24	28	23	27	23

Note: Effective floor cavity reflectance = 20%

Trim:
CST8422H-PL
Platinum Reflector

Lamp: (2) 32W TRT
Lumens: 2400 per lamp
Spacing Criteria: 1.2
Test No.: 54039



Candlepower Summary

FROM 0	ZONAL LUMENS
0	1140
5	1141
15	1158
25	1023
35	788
45	519
55	275
65	118
75	29
85	2
95	0

Cone of Light

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	31.7	8.1
8'	17.8	10.7
10'	11.4	13.4
12'	7.9	16.1
14'	5.8	18.8
16'	4.5	21.5

Note: Diameter shown is where fc value is half the fc at nadir.

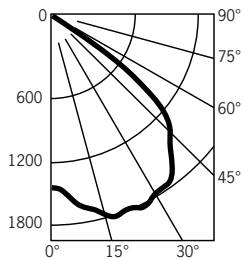
Coefficients of Utilization

RC RW	80%		70%		50%	
	50%	30%	50%	30%	50%	30%
0	65	65	64	64	61	61
1	59	57	58	56	56	54
2	53	50	52	49	50	48
3	48	44	47	43	45	42
4	43	39	42	38	41	38
5	39	35	38	34	37	34
6	35	31	35	31	34	30
7	32	28	32	28	31	27
8	30	25	29	25	29	25
9	27	23	27	23	26	23
10	25	21	25	21	25	21

Note: Effective floor cavity reflectance = 20%

Trim:
CST8422H-CLR
Clear Specular Reflector

Lamp: (2) 42W DTT
Lumens: 3200 per lamp
Spacing Criteria: 1.1
Test No.: 54035



Candlepower Summary

FROM 0	ZONAL LUMENS
0	1449
5	1402
15	1240
25	1058
35	954
45	769
55	514
65	20
75	7
85	0
95	0

Cone of Light

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	40.3	9.3
8'	22.6	12.3
10'	14.5	15.4
12'	10.1	18.5
14'	7.4	21.6
16'	5.7	24.7

Note: Diameter shown is where fc value is half the fc at nadir.

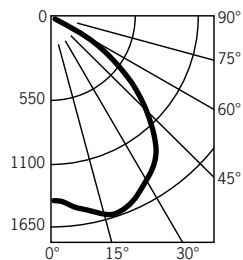
Coefficients of Utilization

RC RW	80%		70%		50%	
	50%	30%	50%	30%	50%	30%
0	70	70	68	68	65	65
1	64	62	63	61	60	59
2	58	55	57	54	55	52
3	52	48	51	47	49	46
4	47	43	46	42	45	41
5	42	38	42	37	41	37
6	38	34	38	34	37	33
7	35	30	35	30	34	30
8	32	27	32	27	31	27
9	29	25	29	25	28	25
10	27	23	27	23	26	22

Note: Effective floor cavity reflectance = 20%

Trim:
CST8422H-PL
Platinum Reflector

Lamp: (2) 42W DTT
Lumens: 3200 per lamp
Spacing Criteria: 1.0
Test No.: 54038



Candlepower Summary

FROM 0	ZONAL LUMENS
0	1421
5	1379
15	1306
25	1079
35	794
45	530
55	312
65	152
75	43
85	7
95	0

Cone of Light

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	39.5	8.1
8'	22.2	10.8
10'	14.2	13.5
12'	9.9	16.2
14'	7.3	19.0
16'	5.6	21.7

Note: Diameter shown is where fc value is half the fc at nadir.

Coefficients of Utilization

RC RW	80%		70%		50%	
	50%	30%	50%	30%	50%	30%
0	61	61	60	60	57	57
1	55	54	54	53	52	51
2	50	47	49	46	47	45
3	45	41	44	41	42	40
4	40	36	40	36	38	35
5	36	32	36	32	35	32
6	33	29	33	29	32	28
7	30	26	30	26	29	26
8	28	24	27	24	27	23
9	26	22	25	22	25	21
10	24	20	23	20	23	20

Note: Effective floor cavity reflectance = 20%