

Recessed Compact Fluorescent

CFRIC62H13Q/18Q/26Q
6" Design/Build AirSeal™ IC Rated
Horizontal 2 lamp Downlight



application

- IC AirSeal™ rated downlight for long-life, energy efficient compact fluorescent lamps. Provides broad, uniform light distribution with excellent color rendition. Fixture can be used for direct contact with insulation. Ideal for areas that require long hours of continuous operation.

features

- Insulated ceiling applications
- Specular reflectors for excellent light output.
- Grooved baffle reduces glare at aperture.
- Die-stamped plaster frame.
- cULus listed for damp locations and through branch circuit wiring.
- AirSeal™ Housing

construction

- Ballast: Two lamp electronic ballast (U) is universal voltage (120 through 277), total harmonic distortion less than 10% (THD<10%) and high power factor (+98%).
- Bar Hanger: Pre-Installed BH1 bar hangers telescope from 16 to 24 inches. Alignment holes to center fixture are located at 16 and 24" centers. Bar hanger is equipped with heavy-duty fluted nails. Interlocking support tabs provide smooth adjustment on bar hangers.
- Plaster Frame: Precision die-stamped plaster frame of 16 gauge galvanized steel. Mounting frame accommodates ceiling materials up to 1/2" thick.
- Reflector: Precision spun .050 aluminum with an anodized finish.

- Baffle: Precision spun .040 aluminum with deep grooves to reduce aperture glare. Non-reflective matte black or white finish.
- Trim Ring: White polycarbonate ring.
- Sockets: Two horizontally mounted G24Q plug-in sockets orient lamps at optical focal plane of reflector for precise optics.
- Junction Box: Extra large 32 cubic inch .063" galvanized steel with snap on cover and ground wire riveted to frame. Approved for Through Branch Circuit Wiring with up to 8 #12 AWG conductors.
- cULus listed: for Damp Locations. 4in/4out through branch wiring.
- Airseal: Fixture is AirSeal™ rated per ASTM E283 limiting passage of air through housing to no more than 2.0 CFM at 75 Pascals. Housing meets restricted air flow requirements of Washington State Energy Code (W.S.E.C.) and International Energy Conservation Code (I.E.C.C.)

accessories (ordered separately)

- Emergency Remote Field Kit

ER-FK



Specifier's Reference

Project

Type

Model No.

Comments

Sample Catalog Number: CFRIC62H18QU-R6201

Housing	Ballast	Dimming	Fusing	Trims (choose one)
CFRIC62H13Q – (2)CFQ13/G24Q (electronic)	U – Universal Electronic high power factor ballast 120/277V	DX1 – 120V dimming ¹ DX2 – 277V dimming ¹ DL1 – 120V dimming ¹ DL2 – 277V dimming ¹	F – Fusing E – Remote Emergency	R6200 – White Baffle Clear Reflector R6201 – Black Baffle Clear Reflector R6202 – Clear Sepcular Cone R6203 – Gold Sepcular Cone R6251 – Wall Wash Black Baffle R6250 – Wall Wash White Baffle
CFRIC62H18Q – (2)CFQ18/G24Q (electronic)	S3 – Electronic high power factor ballast 347V			
CFRIC62H26Q – (2)CFQ26/G24Q (electronic)				

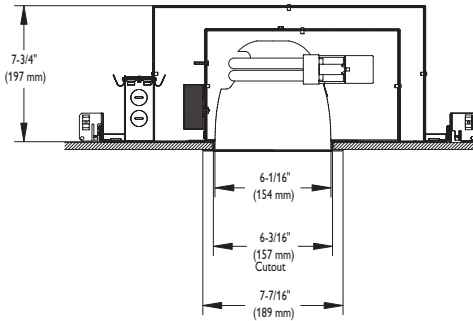
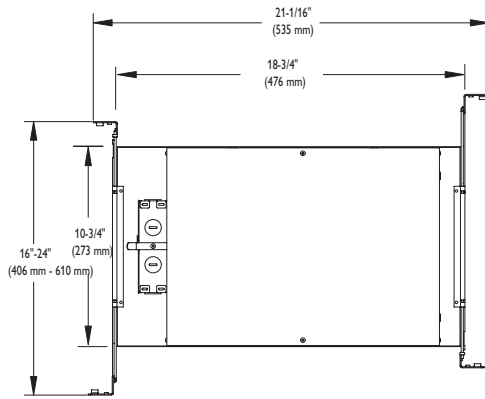
Footnotes

1. Dimming options are voltage specific.

General Notes:

Lamp compatibility is noted under housings.
DX1 and DX2 are standard Advance Mark X dimming.
DL1 and DL2 are Lutron Eco-System 0-10V dimming.

dimensions



trims



R6200 Clear Specular Reflector, White Baffle

7-1/2" O.D. (191 mm)

Housing	Lamp
CFRIC62H13QU	CFQ13W/G24Q
CFRIC62H18QU	CFQ18W/G24Q
CFRIC62H26QU	CFQ26W/G24Q



R6201 Clear Specular Reflector, Black Baffle

7-3/4" O.D. (197 mm)

Housing	Lamp
CFRIC62H13QU	CFQ13W/G24Q
CFRIC62H18QU	CFQ18W/G24Q
CFRIC62H26QU	CFQ26W/G24Q



R6202 Clear Specular Reflector

7-3/4" O.D. (197 mm)

Housing	Lamp
CFRIC62H13QU	CFQ13W/G24Q
CFRIC62H18QU	CFQ18W/G24Q
CFRIC62H26QU	CFQ26W/G24Q



R6203 Gold Specular Reflector

7-3/4" O.D. (197 mm)

Housing	Lamp
CFRIC62H13QU	CFQ13W/G24Q
CFRIC62H18QU	CFQ18W/G24Q
CFRIC62H26QU	CFQ26W/G24Q



R6251 Wall Wash Black Baffle

7-3/4" O.D. (197 mm)

Housing	Lamp
CFRIC62H13QU	CFQ13W/G24Q
CFRIC62H18QU	CFQ18W/G24Q
CFRIC62H26QU	CFQ26W/G24Q



R6250 Wall Wash White Baffle

7-3/4" O.D. (197 mm)

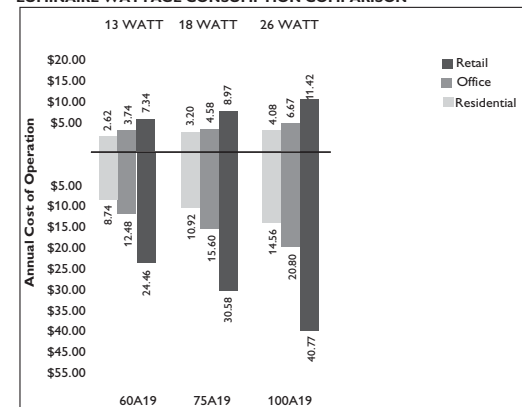
Housing	Lamp
CFRIC62H13QU	CFQ13W/G24Q
CFRIC62H18QU	CFQ18W/G24Q
CFRIC62H26QU	CFQ26W/G24Q

energy data

Operating Characteristics

Catalog Number	Lamp	Line Amps	Input Watts	Power Factor	Min. Start Temp.
CFRIC62H13QU-120V	2-CFQ13W/GX24Q	0.27	32	98%	0°F
CFRIC62H13QU-277V	2-CFQ13W/GX24Q	0.12	32	98%	0°F
CFRIC62H18QU-120V	2-CFQ18W/GX24Q	0.34	40	98%	0°F
CFRIC62H18QU-277V	2-CFQ18W/GX24Q	0.15	40	98%	0°F
CFRIC62H26QU-120V	2-CFQ26W/GX24Q	0.49	56	98%	0°F
CFRIC62H26QU-277V	2-CFQ26W/GX24Q	0.21	56	98%	0°F

LUMINAIRE WATTAGE CONSUMPTION COMPARISON



CFRIC62H18QU-R6202

Tested to LM-79 standards.

Open Clear Reflector Test No. 23069 S/MH 90 Degree=1.9 0 Degree=1.6 Lamp Type (2)CFQ18W/G24q, 1250 Lumens Each IES File 23069D1.ies Luminaire Efficacy 64.4% Beam Angle 108°		Candle Power		
		Angle	End	At 90°
		90	1	1
		85	0	0
		75	1	1
		65	15	22
		55	296	274
		45	473	593
		35	555	729
		25	556	687
15	509	656		
5	483	523		
0	487	487		

Coefficients of Utilization						
pcc	80		70		50	
pw	50	30	50	30	50	30
RCR						
0	77	77	77	72	72	72
1	70	68	66	66	64	63
2	63	59	56	59	57	54
3	56	52	49	54	50	47
4	51	46	42	48	44	41
5	46	41	37	44	39	36
6	41	36	32	40	35	32
7	37	32	29	36	32	28
8	34	29	26	33	28	25
9	31	26	23	30	26	23
10	29	24	21	28	23	21

CFRIC62H26Q-R6202

Tested to LM-79 standards.

Open Clear Reflector Test No. 22233 S/MH 90 Degree=1.8 0 Degree=1.6 Lamp Type (2)CFQ26W/G24q, 1825 Lumens Each IES File 22233.ies Luminaire Efficacy 53.4% Beam Angle 106°		Candle Power <table><tr><th>Angle</th><th>End</th><th>At 90°</th></tr><tr><td>90</td><td>0</td><td>0</td></tr><tr><td>85</td><td>0</td><td>0</td></tr><tr><td>75</td><td>1</td><td>1</td></tr><tr><td>65</td><td>7</td><td>8</td></tr><tr><td>55</td><td>242</td><td>292</td></tr><tr><td>45</td><td>565</td><td>696</td></tr><tr><td>35</td><td>682</td><td>895</td></tr><tr><td>25</td><td>680</td><td>950</td></tr><tr><td>15</td><td>648</td><td>851</td></tr><tr><td>5</td><td>619</td><td>696</td></tr><tr><td>0</td><td>638</td><td>638</td></tr></table>			Angle	End	At 90°	90	0	0	85	0	0	75	1	1	65	7	8	55	242	292	45	565	696	35	682	895	25	680	950	15	648	851	5	619	696	0	638	638																																																															
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CFRIC62H18Q-R6250

6" Horizontal Wall Washer, White Baffle

Lamp Type	(2)CFQ18W 900 Lumens Each
IES File	F23073D1.ies
Reflectances:	80% ceiling, 50% walls, 20% floor
Luminaire Efficacy	33.2%

Distance from ceiling (ft.)	2' 6" from wall, 2' 6" on center		2' 6" from wall, 3' on center		3' from wall, 3' on center		3' from wall, 4' on center	
	Below Fixture	Between Fixtures	Below Fixture	Between Fixtures	Below Fixture	Between Fixtures	Below Fixture	Between Fixtures
1	20.8	20.4	18.0	17.7	13.9	13.6	11.32	11.23
2	22.1	21.5	19.7	19.3	14.8	14.5	11.85	11.61
3	24.1	23.6	19.9	19.6	16.5	16.2	12.89	12.67
4	20.6	19.8	17.1	16.8	16.5	16.1	12.39	12.24
5	15.71	14.5	13.3	12.6	14.0	13.4	10.47	10.24
6	12.0	10.9	10.4	9.7	11.2	10.4	8.58	8.29
7	9.3	8.6	8.3	7.6	9.1	8.3	7.21	6.83
8	7.4	6.9	6.7	6.2	7.6	7.0	6.17	5.71
9	6.1	5.7	5.6	5.3	6.4	6.0	5.35	4.88



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Contact Factory for Additional Configurations.
Specifications are subject to change without notice.

Some luminaires use fluorescent or high intensity discharge (HID) lamps that contain small amounts of mercury. Such lamps are labeled, "Contain Mercury" and/or the symbol "HG". Lamps that contain mercury must be disposed of in accordance with local requirements. Information regarding lamp recycling and disposal can be found at www.lamprecycle.org

