



Day-Brite / CFI Coffaire LED recessed combines a perforated mesh lamp shield with a white acrylic overlay in an indirect cove to create an aesthetically pleasing direct/indirect luminaire.

Project:

Location:

Cat.No:

Type:

Lamps:

Qty:

Notes:

Ordering guide

example: **CFS24GPF30L40UDZTEM10**

Family	Diffuser	Lumens (nom.) ¹	Color ¹	Voltage	Driver	Options (Factory Installed)
CFS22G Coffaire LED 2'x2'	PG Perforated Lamp Shield with Dust Shield PF Perforated Lamp Shield with Acrylic Overlay PD Perforated Lamp Shield with Insect Shield	21L 2100lm 25L 2500lm 28L 2800lm	35 CRI 80, 3500K 40 CRI 80, 4000K 50 CRI 80, 5000K	UNV Universal 120-277V 347 347V	DZT 0-10V Dimming SZT Step Dimming to 40% Input Power	F1 3/8" Flex, 18 ga., 6'; 3 leads (non-dimming) F2 3/8" Flex, 18 ga., 6'; 4 leads (emergency, non-dimming) F1/D 3/8" Twin Flex, 18 g. 6'; 3 & 2 leads (dimming) F2/5W 3/8" Flex, 18 ga., 6'; 5 leads (dimming) GLR Fusing, fast blow CHIC Chicago Plenum rated EM10 10W Integral Emergency Battery Pack (placed on top of luminaire)
CFS24G Coffaire LED 2'x4'	PG Perforated Lamp Shield with Dust Shield PF Perforated Lamp Shield with Acrylic Overlay PD Perforated Lamp Shield with Insect Shield	21L 2100lm 25L 2500lm 28L 2800lm	35 CRI 80, 3500K 40 CRI 80, 4000K 50 CRI 80, 5000K			

Accessories

- **FMA22** - 2'x2' "F" mounting frame for NEMA "F" mounting
- **FMA24** - 2'x4' "F" mounting frame for NEMA "F" mounting

CFS Coffaire LED recessed

2'x2'

Specifications (?)

Features

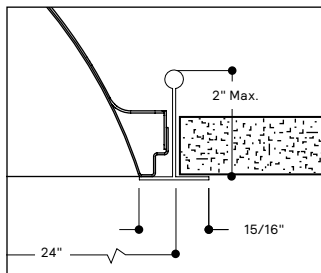
- Direct/indirect lamp shield appearance with soft contoured interior.
- Perforated mesh lamp shield with white acrylic overlay.
- Separate impact resistant acrylic top refractors enclose LED compartment, minimizing penetration of dust and insects.
- Contoured body and ends.
- Only 5" deep.
- Field replaceable LED array and drivers accessible from below.
- Integrated thermal management system conducts heat away from LEDs and transfers it to the surrounding environment.
- Intelligent driver technology, our LED platform, is a factory calibrated system providing the customer multiple lumen outputs to balance energy savings with lighting application needs.
- High efficiency LEDs have 50,000 hour rated life at L70.
- Predicted L70 lifetime is based on LED manufacturer's supplied LM-80 data and in-situ laboratory testing.
- Tension screws secure ends to body.
- Perforated lamp shield hinges from either side.

- Same fixture fits both G and Slot T ceiling types.
- Fits flush to face of slot grid (T) ceiling types.
- Suitable for continuous row mounting.
- Built-in earthquake clips.
- Construction to meet Chicago Plenum available.
- Five-year warranty on luminaire, LED boards and driver.

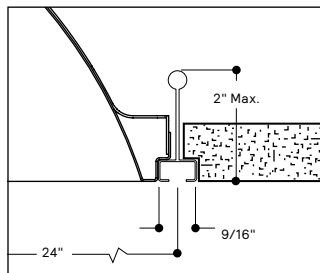
Specifications

- **Materials:** Chassis parts – die-formed code gauge steel. Lamp Shield – steel perforated mesh lamp shield with white acrylic overlay. Refractors – clear impact resistant acrylic
- **Finish:** Chassis exterior – white baked polyester enamel. Cavity – baked polyester enamel, rust preventative undercoating.
- **Electrical:** LED boards and drivers are RoHS (Restriction of Hazardous Substances) compliant.
- **Labels:** cULus listed for damp locations.

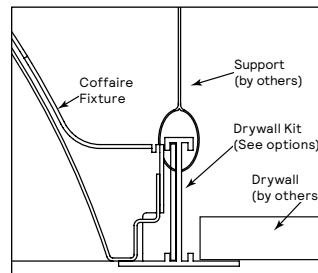
Mounting methods



exposed t-grid ceiling*

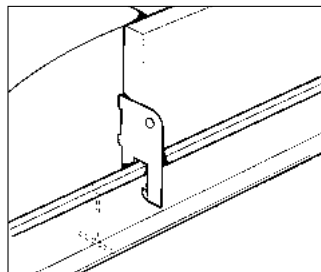


exposed slot t-grid ceiling*

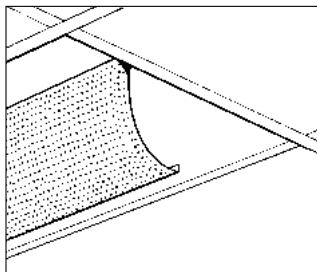


Drywall Kit for use with "G" type fixture. Catalog number: **FMA22**

* For flush mounting when using 9/16" Exposed T-Grid ceiling system consult factory

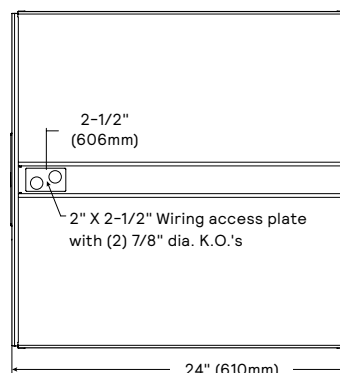
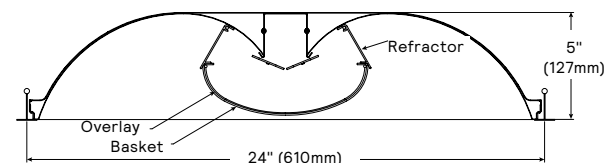


built-in earthquake clips



lamp shield hinges either side

Dimensions



CFS Coffaire LED recessed

2'x2'

Additional ordering information – 4000K CCT

Catalog Number	Delivered Lumens	Input Watts	Lumens per Watt	Average initial 8'X8' footcandles	8'X8' Watts per sq. foot	Average initial 8'X10' footcandles	8'X10' Watts per sq. foot
CFS22GPG21L40ULAG	2055	31.3	65.7	32	0.49	26	0.39
CFS22GPG25L40ULAG	2543	40.6	62.6	40	0.63	32	0.51
CFS22GPG28L40ULAG	2820	46.9	60.3	44	0.73	35	0.59

Photometry – 4000K CCT

Report number ¹ :	G2012327
Catalog number:	CFS22GPG28L40ULAG
Delivered lumens:	2820
Color ² :	4000K
Input watts:	46.8
Efficacy:	60.3 lm/w
CRI:	83.8
Lamp:	LED
Luminaire:	Coffaire recessed LED 2' x 2' fixture with perforated basket.
CIE Type:	Direct
Plane:	0-Deg. 90-Deg.
Spacing criteria:	1.2 1.3
Plane:	0-Deg. 90-Deg.
Luminous length:	23.040 23.040

Candela distribution

Vertical Angle	Horizontal Angle	Zonal Lumens
	0° 45° 90°	
0	1020 1020 1020	
5	1012 1014 1018	96
15	958 972 987	274
25	865 895 929	413
35	740 791 846	496
45	594 666 738	513
55	428 522 602	463
65	258 361 413	344
75	128 172 201	179
85	28 35 36	40
90	3 3 3	

Coefficients of utilization

Ceiling	80%			50%			30%			
Wall	70	50	30	50	30	10	50	30	10	
RC	Zonal Cavity Method									
RW	Effective Floor Reflectance = 20%									
Room Cavity Ratio	1	109	104	100	98	95	92	94	91	89
	2	99	91	84	86	80	76	82	78	74
	3	90	80	72	75	69	64	73	67	62
	4	83	71	62	67	60	54	65	58	53
	5	76	63	54	60	53	47	58	51	46
	6	70	57	48	54	47	41	52	46	41
	7	65	52	43	49	42	36	48	41	36
	8	61	47	39	45	38	32	44	37	32
	9	57	43	35	41	34	29	40	34	29
	10	53	40	32	38	31	27	37	31	26

Zonal lumen summary*

Zone	Lumens	% Lamp	% Fixt.
0-30	784	27.8	27.8
0-40	1280	45.4	45.4
0-60	2256	80.0	80.0
0-90	2820	100.0	100.0
90-180	0	0	0
0-180	2820	100.0	100.0

*Total Efficiency

Avg. Luminance (cd/m²)

Vertical Angle	Horizontal Angle
	0° 45° 90°
45	2452 2749 3046
55	2178 2656 3063
65	1782 2493 2852
75	1444 1940 2267
85	938 1172 1206

1. Tested using absolute photometry as specified in LM79: IESNA Approved Method for the Electrical and Photometric Measurements of Solid-State Lighting Products.
2. Correlated Color Temperature within specs as defined in ANSI_NEMA_ANSLG C78.377-2008: Specifications for the Chromaticity of Solid State Lighting Products.

CFS Coffaire LED recessed

2'x4'

Features

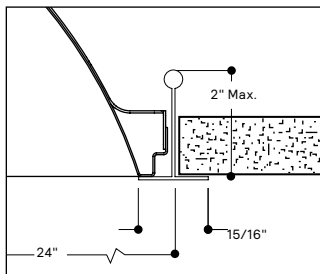
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- Only 5" deep.
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- Tension screws secure ends to body.

- Perforated lamp shield hinges from either side.
- Same fixture fits both G and Slot T ceiling types.
- Fits flush to face of slot grid (T) ceiling types.
- Suitable for continuous row mounting.
- Built-in earthquake clips.
- Construction to meet NYC Code or Chicago Plenum available.
- Five-year warranty on luminaire, LED boards and driver.

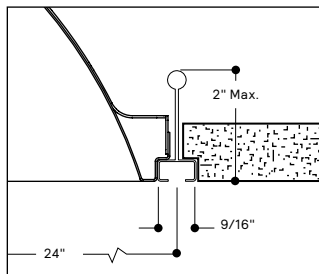
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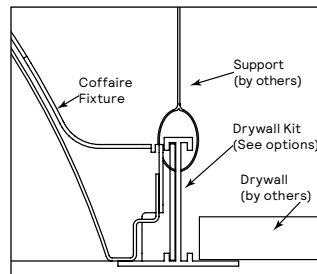
Mounting methods



exposed t-grid ceiling*

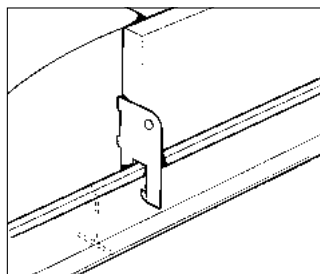


exposed slot t-grid ceiling*

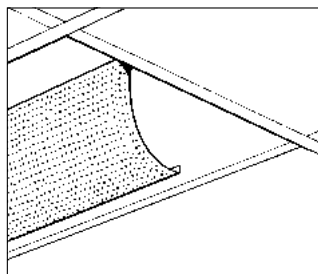


Drywall Kit for use with "G" type fixture. Catalog number: FMA24

* For flush mounting when using 9/16" Exposed T-Grid ceiling system consult factory

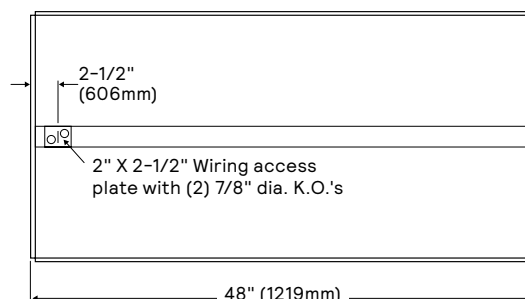
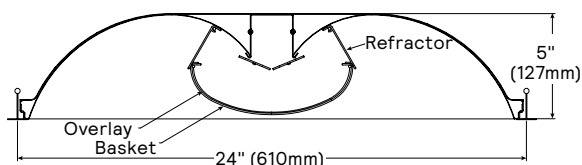


built-in earthquake clips



lamp shield hinges either side

Dimensions



CFS22 Coffaire LED recessed

2'x4'

Additional ordering information – 4000K CCT

Catalog Number	Delivered Lumens	Input Watts	Lumens per Watt	Average initial 8'X8' footcandles	8'X8' Watts per sq. foot	Average initial 8'X10' footcandles	8'X10' Watts per sq. foot
CFS24GPG21L40ULAG	2147	30.0	71.6	34	0.47	27	0.39
CFS24GPG27L40ULAG	2673	38.7	68.3	41	0.60	33	0.48
CFS24GPG30L40ULAG	2974	44.3	67.1	47	0.69	37	0.55
CFS24GPG38L40ULAG	3883	57.2	67.9	61	0.89	49	0.72

Photometry – 4000K CCT

Report number ¹ :	G2012412
Catalog number:	CFS24GPG30L40ULAG
Delivered lumens:	2974
Color ² :	4000K
Input watts:	44.3
Efficacy:	67.1 lm/w
Lamp:	LED
Luminaire:	Coffaire recessed LED 2' x 4' fixture with perforated basket
CIE Type:	Direct
Plane:	0-Deg. 90-Deg.
Spacing criteria:	1.2 1.3
Plane:	0-Deg. 90-Deg.
Luminous length:	47.040 23.040

Candela distribution

Vertical Angle	Horizontal Angle		
	0°	45°	90°
0	1304	1304	1304
5	1293	1298	1303
15	1234	1249	1264
25	1128	1158	1188
35	980	1028	1081
45	798	872	950
55	588	698	792
65	365	508	576
75	180	262	300
85	39	58	61
90	4	4	4

Coefficients of utilization

Ceiling	80%	50%	30%
Wall	70	50	30
RC	Zonal Cavity Method		
RW	Effective Floor Reflectance = 20%		
1	109	104	100
2	99	90	83
3	90	79	71
4	82	70	61
5	75	62	53
6	70	56	47
7	65	51	42
8	60	46	38
9	56	43	34
10	53	39	31

Zonal lumen summary*

Zone	Lumens	% Lamp	% Fixt.
0-30	1011.	26.8	26.8
0-40	1655.	44.0	44.0
0-60	2950.	78.3	78.3
0-90	3766.	100.0	100.0
90-180	0.	0.0	0.0
0-180	3766.	100.0	100.0

*Total Efficiency

Avg. Luminance (cd/m²)

Vertical Angle	Horizontal Angle		
	0°	45°	90°
45	1613.	1763.	1921.
55	1466.	1740.	1974.
65	1235.	1718.	1948.
75	994.	1447.	1657.
85	640.	951.	1001.

Photometry – 4000K CCT

Report number ¹ :	FO32330
Catalog number:	CFS24GPG38L40ULAG
Delivered lumens:	3883
Color ² :	4000K
Input watts:	57.2
Efficacy:	67.9 lm/w
Lamp:	LED
Luminaire:	Coffaire recessed LED 2' x 4' fixture with perforated basket
CIE Type:	Direct
Plane:	0-Deg. 90-Deg.
Spacing criteria:	1.2 1.4
Plane:	0-Deg. 90-Deg.
Luminous length:	47.040 23.040

Candela distribution

Vertical Angle	Horizontal Angle		
	0°	45°	90°
0	1336	1336	1336
5	1326	1330	1337
15	1278	1290	1300
25	1179	1208	1234
35	1036	1087	1135
45	848	933	996
55	621	743	807
65	378	517	538
75	177	230	260
85	37	47	61
90	2	2	9

Coefficients of utilization

Ceiling	80%	50%	30%
Wall	70	50	30
RC	Zonal Cavity Method		
RW	Effective Floor Reflectance = 20%		
1	109	104	100
2	99	91	84
3	90	80	72
4	83	71	62
5	76	63	54
6	70	57	48
7	65	51	42
8	60	47	38
9	56	43	35
10	53	40	32

Zonal lumen summary*

Zone	Lumens	% Lamp	% Fixt.
0-30	1048.	27.0	27.0
0-40	1727.	44.5	44.5
0-60	30889.	79.6	79.6
0-90	3879.	100.0	100.0
40-90	2152.	55.5	55.5
60-90	790.	20.4	20.4
90-180	0.	0.0	0.0
0-180	3879.	100	100

*Total Efficiency

Avg. Luminance (cd/m²)

Vertical Angle	Horizontal Angle		
	0°	45°	90°
45	1714.	1886.	2014.
55	1548.	1852.	2011.
65	1278.	1751.	1820.
75	979.	1272.	1437.
85	614.	776.	1004.

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