

2' x 2'
1 or 2 Lamp
Recessed Direct/Indirect

APPLICATION

- Recessed direct/indirect luminaire for glare-free illumination.
- Fits standard 2' x 2' inverted T-grid (NEMA "G") opening.
- Fully recessed mounting, suitable for row mounting.
- Uses standard 2' x 2' ceiling tile (by others) cut in half as top cover/reflector.
- Ceiling tiles identical to surrounding ceiling can be used to provide a very integrated appearance.
- Different reflector materials, patterns, or colors can be used to create accents or architectural features.
- Economical alternative to traditional recessed direct/indirect luminaires.

CONSTRUCTION/FINISH

- Delivered assembled with ballast channel, end panels, lamp covers, and baffle. Ceiling tile to be supplied by others and installed on site.
- Ceiling tile installs quickly and easily, does not require exact measuring.
- Ballast channel made of code gauge die formed steel.
- Multi-stage phosphate treated for maximum corrosion resistance and finish coat is baked white enamel.

- Micro-perforated lamp covers with center baffle provide soft awareness to light source.
- Standard baffle features solid, architecturally contoured blades. Perforated blades available.
- Soft white overlay on inside of lamp covers and top of baffle conceals lamp image and balances between direct and reflected light.
- Easy ballast access through lamp compartment.
- Swing down lamp cover and removable baffle for easy relamping or servicing.

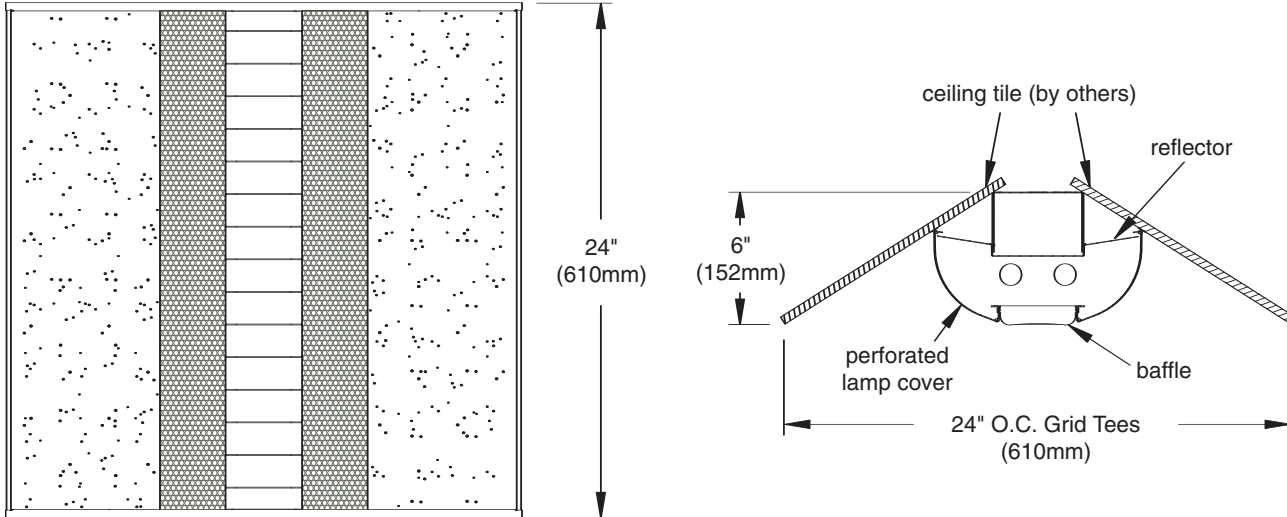
ELECTRICAL

- UL listed for damp locations.
- Class P, HPF ballasts comply with ©Federal Ballast Law (public law 100-357, 1988).
- Self contained emergency power pack can be incorporated. UL listed for dry locations.
- Power-Connect modular wiring option available for continuous row applications (see sheet 1604-OA).
- Electronic ballast standard for maximum efficiency.

CATALOG NUMBER

2	TO	C	G			-		-		-		
WIDTH	FIXTURE FAMILY	BASKET LOCATION	CEILING TYPE	LAMP TYPE/WATTAGE	VOLTAGE		SHIELDING	BALLAST	OPTIONS			
2'	TO – Tenuto	C – Center	G – Grid	14 – 14wT5 (22") 17 – 17wT8 (24") 24HO – 24wT5HO (22") CF40 – 40wTT5 (22-1/2") CF50 – 50wTT5 (22-1/2") CF55 – 55wTT5 (22-1/2")	120 277 347 (consult factory for availability) UNV – Universal voltage, 120-277 volt		LMWS – Perforated baskets with solid blade louver, matte white LMWP – Perforated baskets with perforated blade louver, matte white	Generic Electronic Ballasts (Brand selected by Day-Brite) Suffix Catalog # with – Ballast Quantity – / –EB Lamps Per Ballast.	CM – Canadian Market			
				NO. OF LAMPS (not included) 1 2				Example: –1/1-EB = One 1 Lamp Electronic Ballast. Example: –1/2-EB = One 2 Lamp Electronic Ballast.				

DIMENSIONS



PHOTOMETRIC DATA

CATALOG # 2TOCG2CF40-LMWS-1/2-EB
TEST #24891 S/MH=1.3

LAMPS = 40wTT5
BALLAST = ELECTRONIC

INPUT WATTS = 68
BALLAST FACTOR = .88

LER = 45

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$5.33 BASED ON 3000 HRS. AND \$.08 PER KWH.

FIXTURE EFFICIENCY= 54.7%

CANDLEPOWER			
Angle	End	45	Cross
0	1261	1261	1261
5	1264	1242	1254
10	1228	1217	1241
15	1179	1179	1222
20	1115	1133	1193
25	1035	1070	1164
30	956	1012	1121
35	866	942	1070
40	767	865	1017
45	662	786	957
50	560	703	893
55	450	618	819
60	348	531	726
65	262	438	597
70	199	336	458
75	140	238	311
80	91	143	168
85	33	53	60

MAINTAINED ILLUMINATION TABLE- Square Feet/Fixture*

- 80-50-20 Reflectances (Ceiling-Wall-Floor)
- LLF = 0.75 3150 Lumens/Lamp very clean
- Room width divided by room height = 5 or more, 2 or 1

Fixture Size & # of Lamps	Room Width Room Height =	Approx. Area (sq. ft.) per Fixture			
		10 ft-c	30 ft-c	50 ft-c	70 ft-c
2' x 2'	5	-	89	53	38
2 Lamp	2	-	60	36	-
CF40	1	132	44	-	-

*Observe Fixture S/MH Requirements for Specific Applications

AVERAGE LUMINANCE CD/SQ.M WITH 3150 LUMEN LAMPS

ANGLE	END	45°	CROSS
45	2519	2991	3642
55	2111	2899	3842
65	1668	2789	3801
75	1456	2475	3234
85	1019	1636	1853

TYPICAL V.C.P.'s

Room Size	Mounting Height			
	Lengthwise		Crosswise	
	8.5	10	8.5	10
30x30	53	57	43	47
40x40	51	53	43	45
60x30	55	58	49	52
60x60	51	51	44	43
100x100	53	52	46	46

COEFFICIENT OF UTILIZATION

pfc pcc pw	20				70				50			
	70	50	30		70	50	30		50	30		
RCR												
0	65	65	65		64	64	64		60	60		
1	59	56	55		57	56	54		53	52		
2	54	50	46		53	48	45		46	44		
3	48	44	39		47	42	38		40	36		
4	45	39	34		44	38	33		35	32		
5	40	34	28		40	34	28		33	28		
6	38	30	26		36	29	26		28	25		
7	35	28	23		34	28	23		27	23		
8	33	26	20		32	25	20		25	20		
9	30	23	19		29	23	19		23	19		
10	28	22	17		28	20	17		20	17		

LIGHT DISTRIBUTION

DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	953	15.1	27.6
0-40	1549	24.6	44.9
0-60	2719	43.2	78.9
0-90	3449	54.7	100.0

LLF = .75 LLF = LIGHT LOSS FACTOR LLF = LDD X LLD X BF LDD = VERY CLEAN 0.94 CLEAN 0.90
LLD = 0.90 @ 40% RATED LAMP LIFE BF = .88 ELECTRONIC BALLAST & 40wTT5 LAMP (RELAMP AT 70% LAMP LIFE)