

application

- Ideal for areas with video display terminals.
- Premium quality recessed air handling troffer for use in:
 - Grid inverted T (NEMA "G") ceilings.
 - Flange-type ceilings with concealed mechanical suspension (NEMA "F").
 - Modular and "Z" spline (NEMA "M/Z") ceilings.
 - Contact Day-Brite for other ceiling types.
- Select one of the four air handling functions:
 - Static; non-air handling.
 - Heat transfer; air return through lamp compartment.
 - Air supply; (or air return) through side slots.
 - Combination; both heat transfer and air supply features listed above.
- Adjustable pattern control blades are optional.
- Air boots by other.

construction/finish

- Housing is multi-stage phosphate treated for maximum corrosion resistance and finish coat is high reflectance baked white enamel.
- Access plate (2 K.O.'s) factory installed includes grounding screw.
- T Bar grid clips (UL listed) built into fixture end plates, no extra parts required.

electrical

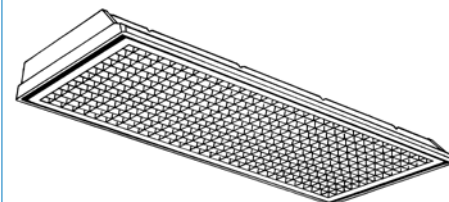
- Class P, HPF ballasts comply with   Federal Ballast Law (Public Law 100-357,1988).
- UL listed for damp locations. Canadian certified optional.
- Self-contained fluorescent emergency power packs can be incorporated, UL listed for dry locations.

enclosures

- Exceptionally low brightness in the 60-90° zone.
- 1-1/2" x 1-1/2" x 3/4" Anodized Aluminum Louvers with concealed frame.
- 30° Shielding.
- Black Reveal for "Floating Louver" appearance.
- Anodized aluminum louvers resist stains and scratches and can be cleaned repeatedly without damage to louver finish.
- Specular low iridescence aluminum is standard. Semi-specular low iridescence aluminum is optional.
- Interchangeability between louvers and lensed enclosures.
- Shipped with plastic film to keep out construction dirt.

IESNA RP-1

- These fixtures meet the requirements of IESNA RP-1 for use in spaces containing video display terminals.

**Specifier's Reference**

Project

Type

Model No.

Comments

Green Choice: 2DPGS232-377FL-UNV-1/2-EBHE-LPT835HL

2		32			-		-		
Family DP – Designer) DPC – Canadian Certified Model DPCP – Chicago Plenum Model		Air Function A – Air Supply C – Combination (A&H) H – Heat Transfer S – Static (no air function)		Lamp Type/Wattage 32 – 32VT8 (48")		Louver Finish FL – Full specular low iridescence SL – Premium semi-specular low iridescence		Options APC – Air pattern control blades ASC – Snap out air slot covers PAF – Housing painted after stamping 1/2 – One 2-lamp ballast 1/3 – One 3-lamp ballast 1/4 – One 4-lamp ballast 1/21 – 2-lamp & 1-lamp ballasts 2/2 – Two 2-lamp ballasts EB – Electronic ballast, <20% THD EB10I – Electronic ballast, instant start, <10% THD EB10R – Electronic ballast, program rapid start, <10% THD EBHE – T8 electronic ballast, high efficiency, std. ballast factor EBLHE – T8 electronic ballast, high efficiency, low ballast factor EBHHE – T8 electronic ballast, high efficiency, high ballast factor E1 – DEB-1 emerg. ballast, 350-450 lumens E7 – DEB-7 emerg. ballast, 600-700 lumens E5 – DEB-5 emerg. ballast, 1100-1400 lumens ESST – DEB-5ST emerg. ballast w/self test, 1100-1400 lumens F1 – Installed flex, 3/8" diameter, 18 gauge, 3 wire, 6' F2 – Installed flex, 3/8" diameter, 18 gauge, 4 wire, 6' GLR# – Fusing, fast blow (# = number of ballasts) LPT735 – Installed T8 lamps, 70+ CRI, 3500K LPT835 – Installed T8 lamps, 80+ CRI, 3500K LPT835HL – Installed T8 hi lumen lamps, 80+ CRI, 3500K	
Width 2 – 2'		Ceiling Type G – Grid F – Flange Z – Z Spline/Modular		No. of Lamps (not included) 2 3 4		Louver Configuration (No. of Cells) CF15 377 (2' x 4')		Voltage 120 277 347 UNV – Universal voltage, 120-277 volt	

Accessories

FKDP24 – Flange conversion kit, 2x4

Accessories

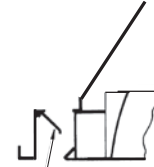
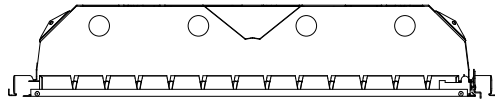
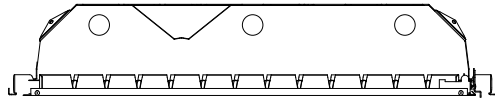
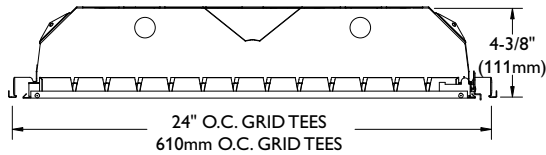
FKDP24 – Flange conversion kit, 2x4

FMA24 – 2'x4' "F" mounting frame for NEMA "F" mounting.

135-VDT

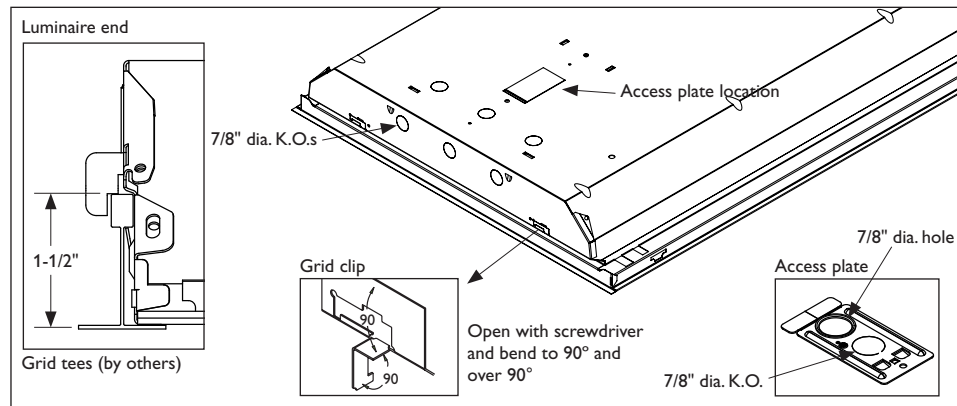
dimensions

CF-15 2x4 2, 3, or 4 Lamp T8



Optional Air Pattern Control (on Air and Combination Units)

- Fully adjustable
 - Closed= Static
 - 45°= Horizontal Air Supply
 - 90°= (fully open) – Vertical Air Supply
- Side Slots may also be used for Return Air to Plenum
- Snap-in Air Slot Covers (ASC) also available



photometry

CF-15 2x4 2 Lamp T8

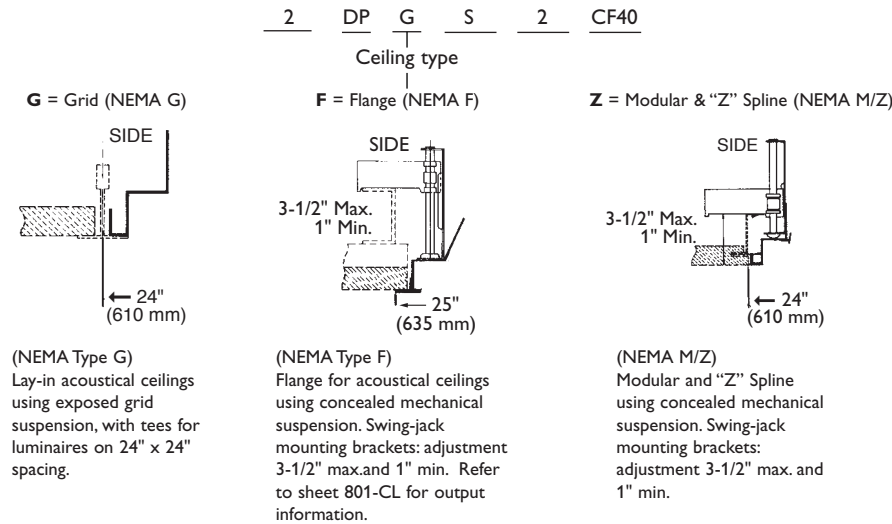
Efficiency – 61.9%

LER – 58

TER – 54

Catalog No.		Candlepower				Light Distribution				Average Luminance			
Test No.		Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45°	Cross
S/MH		0	1603	1603	1603	0-30	1210	20.9	33.7	45	2327	2823	3074
Lamp Type		5	1604	1589	1570	0-40	2023	34.9	56.3	55	1841	2242	2671
Lumens/Lamp		10	1578	1548	1518	0-60	3481	60.0	96.9	65	143	415	122
Ballast Factor		15	1529	1486	1460	0-90	3590	61.9	100.0	75	48	48	68
Input Watts		20	1464	1412	1412					85	41	20	61
		25	1383	1339	1453								
		30	1290	1295	1547								
		35	1182	1297	1466								
		40	1060	1264	1287								
		45	929	1127	1227								
		50	775	931	1148								
		55	596	726	865								
		60	269	410	345								
		65	34	99	29								
		70	12	14	15								
		75	7	7	10								
		80	3	3	6								
		85	2	1	3								

Coefficients of Utilization												
EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)												
pcc	80			70			50					
pw	70	50	30	70	50	30	50	30				
RCR												
0	74	74	74	72	72	72	69	69				
1	69	67	65	67	65	64	63	61				
2	64	60	56	62	59	56	57	54				
3	59	54	49	58	53	49	51	48				
4	55	48	43	53	47	43	46	42				
5	50	43	38	49	43	38	41	37				
6	47	39	34	46	39	34	38	33				
7	43	36	31	42	35	31	34	30				
8	40	33	28	39	32	28	31	27				
9	38	30	25	37	30	25	29	25				
10	35	28	23	35	27	23	27	23				



photometry

CF-15 2x4 3 Lamp T8

Efficiency – 60.0%

LER – 57

TER – 53

Catalog No.	2DGS332-377FL-1/3-EB	Candlepower				Light Distribution				Average Luminance			
		Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45°	Cross
Test No.	14908	0	2319	2319	2319	0-30	1791	20.6	34.3	45	3387	4016	4444
S/MH	1.4	5	2327	2314	2297	0-40	2966	34.1	56.8	55	2675	3212	3768
Lamp Type	F32T8	10	2288	2279	2255	0-60	5068	58.3	97.1	65	205	570	159
Lumens/Lamp	2900	15	2217	2211	2193	0-90	5220	60.0	100.0	75	62	55	68
Ballast Factor	0.94	20	2123	2120	2139					85	41	61	61
Input Watts	86	25	2009	2021	2149								
		30	1873	1939	2155								
		35	1718	1880	2079								
		40	1543	1774	1892								
		45	1352	1603	1774								
		50	1130	1354	1625								
		55	866	1040	1220								
		60	391	578	500								
		65	49	136	38								
		70	17	17	19								
		75	9	8	10								
		80	6	5	8								
		85	2	3	3								

Comparative yearly lighting energy cost per 1000 lumens – **\$4.21** based on 3000 hrs. and \$.08 pwr KWH.

The photometric results were obtained in the Philips Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

CF-15 2x4 4 Lamp T8

Efficiency – 56.5%

LER – 56

TER – 52

Catalog No.	2DGS432-377FL-1/4-EB	Candlepower				Light Distribution				Average Luminance			
		Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45°	Cross
Test No.	14915	0	2829	2829	2829	0-30	2278	19.6	34.7	45	4164	4900	5699
S/MH	1.4	5	2838	2831	2825	0-40	3740	32.2	57.0	55	3264	4033	4633
Lamp Type	F32T8	10	2793	2828	2868	0-60	6361	54.8	97.0	65	256	725	205
Lumens/Lamp	2900	15	2708	2824	2891	0-90	6557	56.5	100.0	75	89	110	116
Ballast Factor	0.92	20	2594	2779	2858					85	102	122	163
Input Watts	107	25	2457	2686	2736								
		30	2297	2536	2580								
		35	2106	2340	2509								
		40	1895	2135	2477								
		45	1662	1956	2275								
		50	1393	1726	1930								
		55	1057	1306	1500								
		60	476	697	606								
		65	61	173	49								
		70	21	25	24								
		75	13	16	17								
		80	8	10	12								
		85	5	6	8								

Comparative yearly lighting energy cost per 1000 lumens – **\$4.29** based on 3000 hrs. and \$.08 pwr KWH.

The photometric results were obtained in the Philips Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.



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



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135-VDT 04/13

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