

application

- Premium quality recessed static troffer for:
 - Grid inverted T (NEMA “G”)
 - Flange for concealed mechanical suspension (NEMA “F”)
 - Modular and “Z” Spline (NEMA “M/Z”)
 - Contact Day-Brite for other ceiling types.

construction/finish

- Die formed steel housing.
- Housing is multi-stage phosphate treated for maximum corrosion resistance and finish coat is high reflectance baked white enamel.
- Factory installed access plate includes 7/8" hole, 7/8" knockout and grounding screw.
- T-bar grid clips (UL listed) built into fixture, no extra parts required. Designed for use with standard grid ceiling members, 1-1/2" maximum height.
- One-piece housing features integral end plates that increase rigidity and minimize damage from handling or shipping.

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.

enclosure

- Mitered corner door frames with a choice of: Flat Steel, Flat Aluminum, or Regressed Aluminum.
- T-hinges are standard for positive support of the enclosure.
- Guide-post spring loaded latches are standard for ease of use and secure retention of the louver.
- Mechanically designed interlocks block light, no gaskets are needed.
- Prismatic acrylic pattern 12 lens standard (01). Other lenses or louvers optional.
- Choice of door finishes: white (standard) or black.

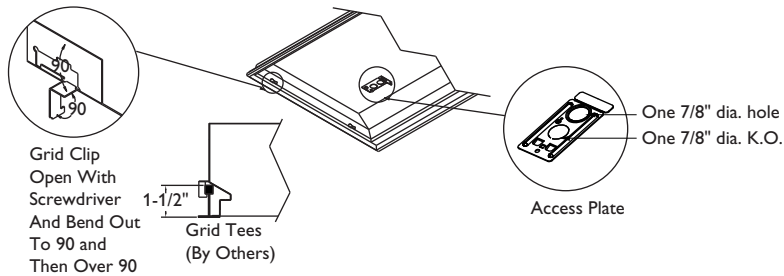
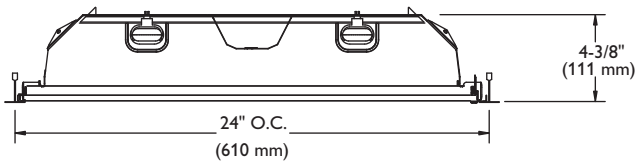
Specifier's Reference

Project
Type
Model No.
Comments

Green Choice: 2DPG2CF40-FS01-UNV-1/2-EB-LPT835/25ES

2									
Width	Ceiling Type	Lamp Type/ Wattage	Lens	Voltage	Options				
2 - 2'	F - Flange G - Grid Z - Z Spline/Modular	CF40 - 40WTT5 (24") CF50 - 50WTT5 (24") CF55 - 55WTT5 (24")	01 - Pattern 12 prismatic acrylic 12 - DB-12, .125" nominal 19 - DB-19, .156" nominal 21 - Pattern 12, .125" nominal 30 - 1/2"x1/2"x1/2" silver plastic louver 34 - 1-1/2"x1-1/2"x1-1/2" silver plastic louver 52 - 3/4"x3/4"x1/2" silver plastic louver 93 - drop dish acrylic	120 277 347 UNV - Universal Voltage, 120-277 volt	PAF - Housing painted after stamping 1/2 - One 2-lamp ballast (electronic or non-standard) 1/3 - One 3-lamp ballast (electronic or non-standard) 1/21 - 2-lamp & 1-lamp ballasts (electronic or non-standard) 1/4 - One 4-lamp ballast (electronic or non-standard) 2/2 - Two 2-lamp ballasts (electronic or non-standard) EB - Electronic ballast, <20% THD EB10I - Electronic ballast, instant start, <10% THD EB10R - Electronic ballast, program rapid start, <10% THD E1 - DEB-1 emerg. ballast, 350-450 lumens, UL dry loc. E7 - DEB-7 emerg. ballast, 600-700 lumens, UL dry loc. E5 - DEB-5 emerg. ballast, 1100-1400 lumens, UL dry loc. ES5T - DEB-5ST emerg. ballast w/self test, 1100-1400 lumens, UL dry loc. 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) LPT835 - Installed lamps, 80+ CRI, 3500K LPT835/25ES - Installed lamps, 80+ CRI, 3500K 25 Watt energy saving 1W - 1-way gasketing, between lens & door frame 2W - 2-way gasketing, 1W + gasketing between door frame & housing 3W - 3-way gasketing, 2W + gasketing for field installation between housing & ceiling.	Family DP - Designer DPC - Canadian Certified Model	No. of Lamps (not included) 2 3 4 (CF40 only)	Door Frame STATIC FS - Flat Steel FA - Flat Aluminum RA - Regressed Aluminum TFS - Tamperproof Flat Steel	Door Finish BLANK - White B - Black Door

dimensions



photometry

DP 2 Lamp 40WTT5

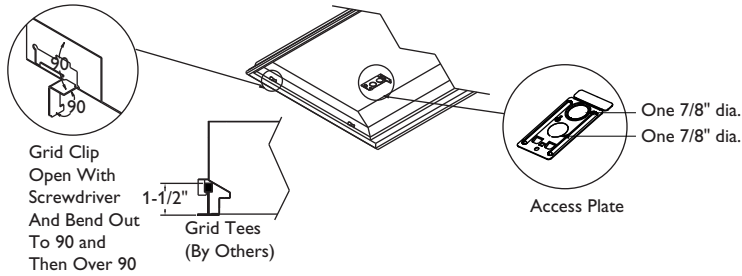
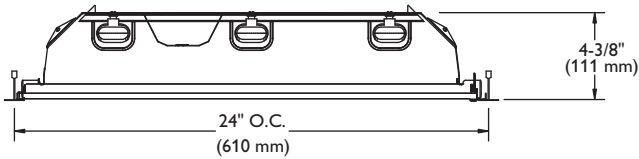
Efficiency – 84.4%

LER – 68

TER – 60

		Candlepower				Light Distribution				Average Luminance					
Catalog No.	2DPG2CF40-FS01-1/2-EB	Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45°	Cross		
Test No.	22748	0	2117	2117	2117	0-30	1675	26.6	31.5	45	5392	6042	6478		
S/MH	1.4	5	2110	2108	2115	0-40	2741	43.5	51.6	55	4366	4930	5105		
Lamp Type	40WTT5	10	2081	2090	2111	0-60	4507	71.5	84.8	65	3380	3173	3809		
Lumens/Lamp	3150	15	2026	2058	2097	0-90	5314	84.4	100.0	75	3404	2428	3179		
Ballast Factor	0.96	20	1946	2008	2079					85	4088	3271	3605		
Input Watts	75	25	1844	1938	2049										
		30	1713	1842	1986										
		35	1563	1712	1871										
		40	1386	1524	1671										
		45	1177	1319	1414										
		50	967	1107	1143										
		55	773	873	904										
		60	588	626	687										
		65	441	414	497										
		70	341	268	354										
		75	272	194	254										
		80	206	157	186										
		85	110	88	97										
Comparative yearly lighting energy cost per 1000 lumens – \$3.53 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.															
						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	100	100	100	97	97	97		93	93
						1	92	89	84	90	86	83		82	81
						2	84	78	72	82	77	71		73	69
						3	78	68	63	76	68	61		66	60
						4	71	61	55	69	60	54		58	53
						5	66	56	48	64	55	47		53	46
						6	60	50	42	59	50	42		47	41
						7	56	46	39	55	45	38		44	38
						8	53	41	34	52	40	34		40	34
						9	50	39	32	47	38	32		36	30
						10	46	35	28	45	34	28		34	28

dimensions



photometry

DP 3 Lamp 40WTT5

Efficiency – 79.8%

LER – 66

TER – 59

Catalog No.	2DPG3CF40-FS01-1/3-EB	Candlepower				Light Distribution				Average Luminance			
		Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45°	Cross
Test No.	22756	0	3101	3101	3101	0-30	2438	25.8	32.3	45	7838	8393	8727
S/MH	1.3	5	3088	3081	3108	0-40	3951	41.8	52.4	55	6314	6760	7105
Lamp Type	40WTT5	10	3041	3053	3096	0-60	6416	67.9	85.1	65	4821	4507	5243
Lumens/Lamp	3150	15	2963	3008	3072	0-90	7542	79.8	100.0	75	4869	3379	4456
Ballast Factor	0.96	20	2843	2923	3030					85	5724	4423	5203
Input Watts	109	25	2688	2813	2948								
		30	2502	2652	2795								
		35	2284	2430	2573								
		40	2019	2153	2272								
		45	1711	1832	1905								
		50	1398	1512	1563								
		55	1118	1197	1258								
		60	846	876	955								
		65	629	588	684								
		70	485	375	495								
		75	389	270	356								
		80	294	218	258								
		85	154	119	140								

Comparative yearly lighting energy cost per 1000 lumens – **\$3.64** 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.

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

pcc	80			70			50		
	70	50	30	70	50	30	50	30	
pw									
RCR									
0	94	94	94	93	93	93	89	89	
1	86	83	81	84	81	79	79	76	
2	80	73	68	78	72	68	69	66	
3	73	66	59	71	65	58	61	57	
4	68	58	52	66	57	52	56	51	
5	63	53	46	60	52	46	50	45	
6	57	47	40	56	46	40	46	40	
7	54	44	36	53	42	36	41	35	
8	50	40	34	48	40	33	38	33	
9	46	36	30	46	35	29	34	29	
10	44	34	28	42	34	28	33	27	

ceiling configuration

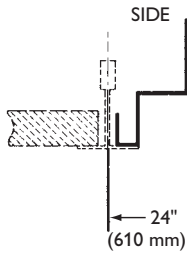
2 DP G 2 CF40

Ceiling type

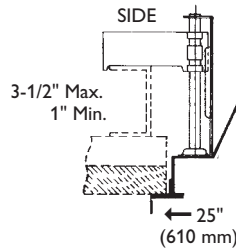
G = Grid (NEMA G)

F = Flange (NEMA F)

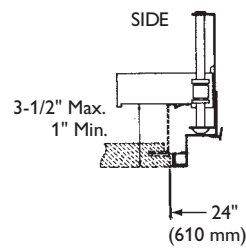
Z = Modular & "Z" Spline (NEMA F)



(NEMA Type G)
Lay-in acoustical ceilings using exposed grid suspension, with tees for luminaires on 24" x 24" spacing.



(NEMA Type F)
Flange for acoustical ceilings using concealed mechanical suspension. Swing-jack mounting brackets: adjustment 3-1/2" max. and 1" min. Refer to sheet 801-CL for cut-out information.



(NEMA M/Z)
Modular and "Z" Spline using concealed mechanical suspension. Swing-jack mounting brackets: adjustment 3-1/2" max. and 1" min.



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Contact Factory for Additional Configurations.
Specifications are subject to change without notice.
Consult website for latest version of this spec sheet.



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