

DPA2G18LS332

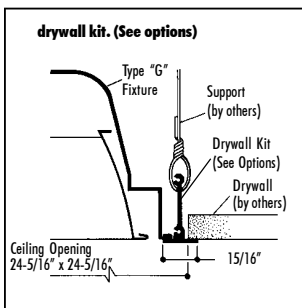
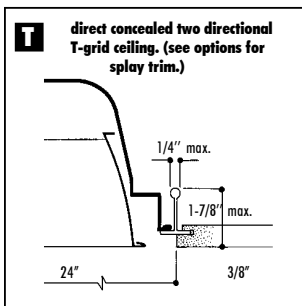
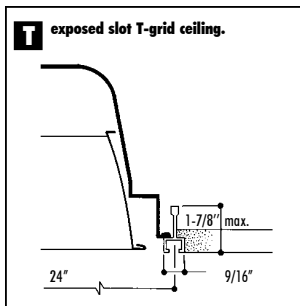
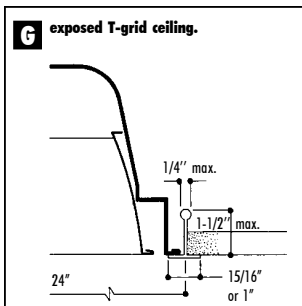
DEEPCEL *plus*

2' X 4' RECESSED FLUORESCENT
3" DEEP, 18 CELL PARABOLIC LOUVER
STATIC OR AIR SUPPLY / RETURN
3-LAMP FLUORESCENT

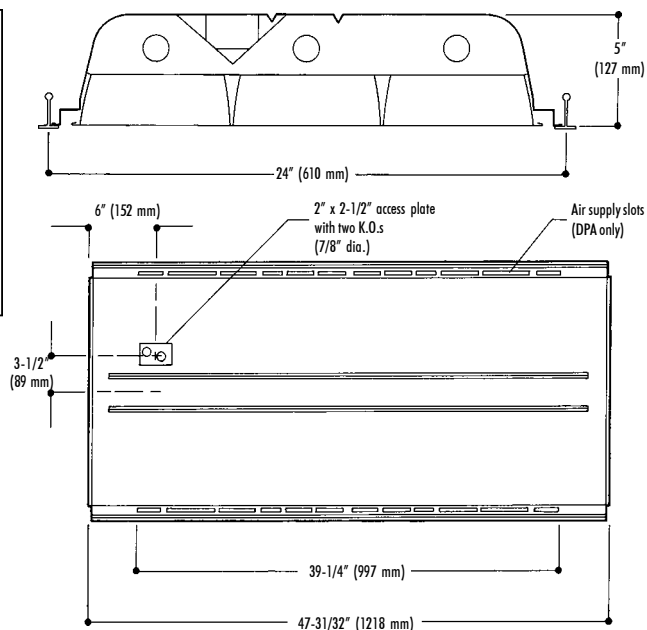
- 5" deep body.
- 77.6% efficient.
- Clean contoured interior.
- Eyeleted heat removal vents in fixture ends.
- One-piece housing has ribbed construction for added strength.
- Black exterior for cooler ballast operating temperature.
- Hemmed over side rails for safe handling.
- Fixture ends turned-in for safe handling.
- Built-in Hold-Down clip (patent no. 5,072,344).
- Pre-anodized aluminum parabolic louver.
- Vertical grain louver eliminates reflected lamp images on cross baffle.
- Spring-loaded rooster head latches.
- 18 gauge steel hinges.
- Louver frame with integral positive light stop.
- Louver has protective film dust guard.



MOUNTING METHODS/FEATURES



DIMENSIONS



FIXTURE TYPE

VOLTS

JOB INFORMATION:

CFI FLUORESCENT

DPA2G18LS332

DEEPCEL *plus* 2' X 4' RECESSED FLUORESCENT

Luminaire Efficacy Rating
LER-68.6 Watts-85.8 BF-0.89

MODEL NO. DPA2G18LS332

coefficients of utilization — zonal cavity method

	RF	20			20			20		
	RC	80			50			30		
	RW	70	50	30	50	30	10	50	30	10
room cavity ratio	1	86	83	81	78	76	75	75	74	72
	2	80	74	70	70	67	64	68	65	62
	3	73	66	61	63	58	55	61	57	54
	4	67	59	53	56	51	47	54	50	47
	5	62	53	47	51	45	41	49	45	41
	6	57	48	41	46	40	36	45	40	36
	7	53	43	37	42	36	32	41	36	32
	8	50	40	33	38	33	29	37	32	29
	9	46	36	30	35	30	26	34	29	26
	10	43	33	28	32	27	23	32	27	23

visual comfort probability (VCP) average 100 ft; reflectances 80/50/20

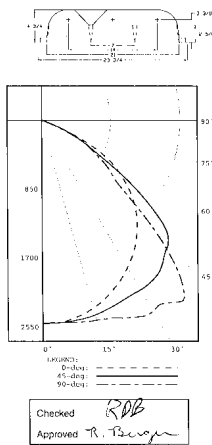
room size		ceiling height				ceiling height			
W	L	8.5	10.0	13.0	16.0	8.5	10.0	13.0	16.0
20	20	74	69	68	77	78	74	73	76
20	30	78	73	66	66	82	78	73	70
20	40	81	77	71	67	82	80	77	72
20	60	81	77	74	71	82	81	80	75
30	20	80	74	70	75	83	77	73	75
30	30	83	77	69	65	85	80	74	69
30	40	85	80	73	66	85	82	77	71
30	60	85	81	76	70	85	82	80	74
30	80	85	80	76	71	85	82	80	74
40	20	80	74	73	76	83	77	76	75
40	30	83	78	72	67	85	80	76	69
40	40	85	80	76	68	85	82	79	71
40	60	85	80	79	71	85	82	81	75
40	80	85	80	79	71	85	82	81	75
40	100	85	80	79	71	85	82	81	75
60	30	83	78	74	69	85	81	78	71
60	40	85	80	78	70	85	82	81	73
60	60	85	81	81	73	85	82	83	76
60	80	85	81	81	74	85	82	83	76
60	100	85	81	81	74	85	82	83	76
100	40	85	80	78	71	85	82	81	73
100	60	85	81	81	74	85	82	83	77
100	80	85	81	81	75	85	82	83	77
100	100	85	81	81	75	85	82	83	77



INDEPENDENT TESTING LABORATORIES, INC. • 3386 LONGHORN ROAD, BOULDER, CO 80502 USA • PHONE (303) 448-5974 FAX (303) 448-5974

REPORT NUMBER: IFL149576
DATE: 12/28/99
PREPARED FOR: LIGHTOLIER
CATALOG NUMBER: DPA2G18LS33212003
LUMINAIRE: FABRICATED METAL HOUSING WITH WHITE PAINTED INTERIOR FINISH.
FABRICATED WHITE PAINTED METAL BALLAST COVER, FABRICATED SEMI-SPECULAR METAL PARABOLIC 18-CELL LOUVER.
LAMPS: THREE 32-WATT T-8 F32T8SP35 LINEAR FLUORESCENTS.
BALLAST: MOYOMOLA M2-RN-TS-11J-120
[CUSTOMER SUPPLIED BALLAST FACTOR = 88.7%]
MOUNTING: RECESSED
TOTAL REFLECTANCE OF PAINT = 92.8%
THE 0 DEGREE PLANE IS PARALLEL WITH THE LAMPS.
TOTAL INPUT WATTS = 85.8 AT 120.0 VOLTS
LUMEN TO CANDELA RATIO USED: 9.17
REPORT IS BASED ON 3850 LUMENS PER LAMP.

CANDELA DISTRIBUTION	FLUX
0.0 22.5 45.0 67.5 90.0	
0 2502 2502 2502 2502 2502	
5 2497 2501 2501 2505 2500	239
15 2395 2423 2482 2536 2549	702
25 2213 2284 2422 2606 2674	1128
35 1966 2091 2388 2591 2742	1484
45 1647 1850 2181 2181 2047	1541
55 1202 1443 1300 960 970	1062
65 483 575 419 413 384	444
75 23 26 25 23 20	31
85 3 4 3 3 3	3
90 0 0 0 0 0	0



ZONAL LUMEN SUMMARY	%LAMP	%FIXT
0-30 2068	24.2	31.2
0-40 3552	41.5	51.5
0-60 6155	72.0	92.8
0-90 6634	77.6	100.0
90-180 0	0.0	0.0
0-180 6634	77.6	100.0

TOTAL LUMINAIRE EFFICIENCY = 77.6 %

CIE TYPE - DIRECT
PLANE : 0-DEG 90-DEG
SPACING CRITERIA : 1.2 1.6
SHIELDING ANGLES : 18 38
PLANE : 0-DEG 90-DEG
LUMINOUS LENGTH : 45.125 21.000

LUMINANCE DATA IN CANDELA/SQ M
ANGLE AVERAGE AVERAGE AVERAGE
IN 1000 0-DEG 45-DEG 90-DEG
45 3808 5048 4733
55 3427 3706 2765
65 1869 1621 1486
75 145 158 126
85 56 56 56

THIS REPORT IS BASED ON PUBLISHED INDUSTRY PROCEDURES. FIELD PERFORMANCE MAY VARY FROM LABORATORY PERFORMANCE.

ORDERING INFORMATION Explanation of Catalogue Number Example: DPA2G18LS33212003

DP	A	2	G	18	L	S	3	32	120	03	
DEEPCEL PLUS 3" PARABOLIC	BODY STYLE	FIXTURE WIDTH	CEILING TYPE	NUMBERS OF CELLS	LOUVER FINISH* L-Low iridescence Semi-specular (standard) P-Low iridescence Specular * See options and consult factory	SINGLE "V" REFLECTOR	LAMP QUANTITY	LAMP/FIXTURE LENGTH	VOLTAGE 120, 277 347	BALLAST TYPE 1&2 Lamp Mag. T12	OPTIONS Add appropriate suffix to catalogue no.
Pre-anodized aluminum louver	A=Air Supply S=Static		G=Grid (Lay-in T-bar) T=Slot grid or two-directional concealed T (see options)	18=3 rows of 6 24=3 rows of 8				32=T8 34=T12 (nominal 48")	LE <20THD† <10THD† SO** RO** 1&2 Lamp Elect. T8 O3* R3** 1-3 Lamp Elect. T8 PS --- LOL T8 Dimming * Instant Start Standard ** Rapid Start Standard		

† % Total Harmonic Distortion

OPTIONS/ACCESSORIES

DRYWALL KIT: For plaster frames,
order Cat. No.: **FK92X4**
INTERNAL INTERFERENCE FILTER: Consult CFI Fluorescent
representative.
RADIO INTERFERENCE FILTER: 120, 277 or 347 volt,
50 or 60 Hz. SUFFIX: **R**.

EMERGENCY LIGHTING SYSTEM: SUFFIX: **O**
Emergency battery pack with charger.
(90 minutes at 20% of lumens for 1 lamp).
LOUVER FINISH: Low iridescence Semi-specular
(standard).
For other finishes, consult factory.

**AIR PATTERN CONTROL AND AIR SLOT
CLOSURE:** For horizontal and vertical air supply
and to balance return.
SUFFIX: **S**
BALLAST OPTIONS: For other ballast options,
consult ballast specification sheet (folio BA-1-02)

SPECIFICATIONS

PERFORMANCE: In an installation of 3 lamp 32W luminaires in a room cavity ratio of 1, with reflectance of 80% ceiling, 50% wall, 20% floor, the C.U. shall not be less than .83. To prevent glare the VCP shall not be less than 73 either lengthwise or crosswise (at 100fc level) and the average brightness at 65° shall not exceed 1869 candelas per square meter. To control veiling reflections, luminaire output in the 30°-90° zone shall not be less than 68.8%.

AIR HANDLING (DPA only) side air passages for air supply or air return. Supply air is discharged vertically. Optional side closure strips. Air return is also provided through the lamp compartment through fixture body ends.

MATERIALS: Chassis parts are die-formed code gauge cold rolled steel. Housing is ribbed for rigidity with side rails hemmed over and housing ends turned-in for safe handling. **Louver** is pre-anodized aluminum (Coilzak® or equal).

FINISH: Chassis exterior—black baked polyester enamel. **Cavity**—white baked polyester enamel minimum 86% reflectance. Phosphate undercoating. **Louver**—low iridescence semi-specular anodized vertical grain aluminum reflector sheet is standard.

ELECTRICAL: Thermally protected class "P" ballast C.B.M. approved, non PCB. If K.O. is within 3" of ballast, use wire suitable for at least 90°.

LABELS: I.B.E.W. UL and ULc Listed.

We reserve the right to change, materials and finish in any way that will not alter installed appearance or reduce function and performance.

CFI FLUORESCENT

CANLITE

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