

DPA2G12LS232

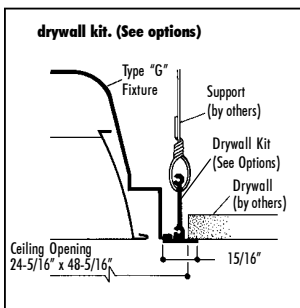
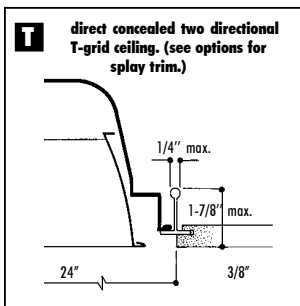
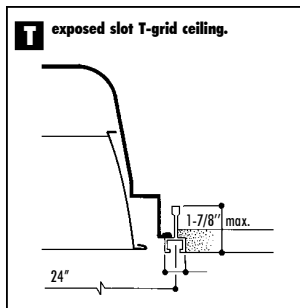
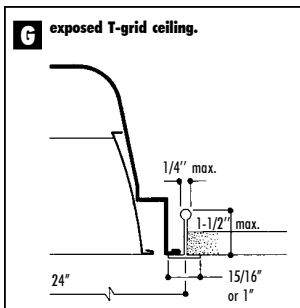
DEEPCEL *plus*

2' X 4' RECESSED FLUORESCENT
3" DEEP, 12 CELL PARABOLIC LOUVER
STATIC OR AIR SUPPLY / RETURN
2-LAMP FLUORESCENT

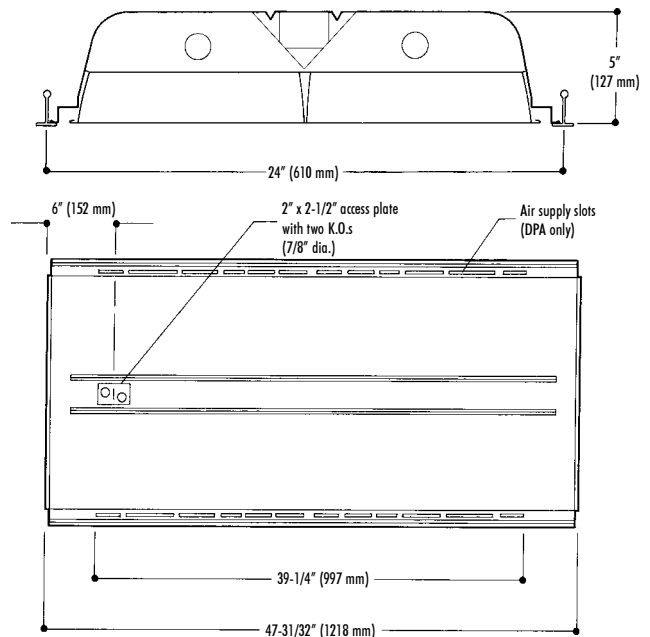
- 5" deep body.
- 80.0% efficient.
- Clean contoured interior.
- Eyeleted heat removal vents in fixture ends.
- One-piece housing has ribbed construction for added strength.
- Black exterior for cooler ballast operating temperature.
- Hemmed over side rails for safe handling.
- Fixture ends turned-in 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

DPA2G12LS232

DEEPCEL *plus*

2' X 4' RECESSED FLUORESCENT

Luminaire Efficacy Rating
LER-64.4 Watts-61.6 BF-0.87

MODEL NO. DPA2G12LS232

coefficients of utilization — zonal cavity method

RF	20			20			20		
RC	80			50			30		
RW	70	50	30	50	30	10	50	30	10
1	89	85	83	80	78	76	77	75	74
2	81	76	71	71	68	64	69	66	63
3	74	67	61	63	59	55	61	57	54
4	69	59	53	56	51	47	55	50	46
5	63	53	46	50	45	40	49	44	40
6	58	48	41	45	40	35	44	39	35
7	53	43	36	41	35	31	40	35	31
8	50	39	32	37	32	28	36	31	27
9	46	36	29	34	29	25	33	28	25
10	43	33	27	32	26	22	31	26	22

visual comfort probability (VCP) average 100 fc; 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	80	75	76	86	76	71	71	77
20	30	83	78	75	76	80	74	70	72
20	40	83	81	79	77	80	77	73	72
20	60	83	81	81	80	80	77	76	74
30	20	83	78	75	82	81	75	71	75
30	30	86	81	75	73	84	77	71	71
30	40	86	84	78	74	84	80	73	70
30	60	86	84	81	77	84	80	76	73
30	80	86	84	81	77	84	80	76	76
40	20	83	82	78	81	81	77	75	76
40	30	86	83	77	73	84	79	74	71
40	40	86	85	80	74	84	81	76	71
40	60	86	85	83	77	84	81	79	73
40	80	86	85	83	77	84	80	79	75
40	100	86	85	83	77	84	80	78	75
60	30	86	84	79	75	84	79	76	74
60	40	86	85	82	76	84	81	78	73
60	60	86	85	84	78	84	80	80	75
60	80	86	85	84	79	84	80	80	76
60	100	86	85	84	79	84	80	80	76
100	40	86	85	82	78	84	80	78	74
100	60	86	85	84	80	84	80	80	77
100	80	86	85	84	81	84	80	80	77
100	100	86	85	84	81	84	80	80	77



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REPORT NUMBER: ITLA9787 DATE: 03/20/00

PREPARED FOR: LIGHTOLIER

CATALOG NUMBER: DPA2G12LS23212050

LUMINAIRE: FABRICATED METAL HOUSING WITH WHITE PAINTED INTERIOR FINISH, FABRICATED WHITE PAINTED METAL BALLAST COVER, FABRICATED SEMI-SPECULAR METAL PARABOLIC 12-CELL LOUVER.

LAMPS: TWO 32-WATT T-8 F32T8/SP41 LINEAR FLUORESCENTS.

BALLAST: MOTOROLA M2-RN-T8-1LL-120

MOUNTING: RECESSED

TOTAL REFLECTANCE OF PAINT: 90.1 %

THE 0 DEGREE PLANE IS PARALLEL WITH THE LAMPS.

TOTAL INPUT WATTS= 61.6 AT 120.0 VOLTS

LUMEN TO CANDELA RATIO USED= 9.19

REPORT IS BASED ON 2850 LUMENS PER LAMP.

CANDELA DISTRIBUTION

0.0 22.5 45.0 67.5 90.0

0 1571 1571 1571 1571 1571

5 1572 1569 1569 1572 1573

15 1511 1522 1547 1570 1579

25 1399 1427 1489 1556 1585

35 1242 1295 1411 1536 1593

45 1033 1125 1330 1613 1777

55 744 900 1158 1257 1317

65 274 393 415 294 322

75 17 21 30 41 38

85 1 1 1 1 1

90 0 0 0 0 0

ZONAL LUMEN SUMMARY

ZONE LUMENS %LAMP %FIXT

0-30 1277 22.4 28.0

0-40 2165 38.0 47.5

0-60 4161 73.0 91.2

0-90 4561 80.0 100.0

90-180 0 0.0 0.0

0-180 4561 80.0 100.0

TOTAL LUMINAIRE EFFICIENCY = 80.0 %

CIE TYPE - DIRECT

PLANE : 0-DEG 90-DEG

SPACING CRITERIA : 1, 3 1, 6

SHIELDING ANGLES : 25 29

PLANE : 0-DEG 90-DEG

LUMINOUS LENGTH : 45.125 21.000

LUMINANCE DATA IN CANDELA/SQ M

ANGLE AVERAGE AVERAGE AVERAGE

IN DEG 0-DEG 45-DEG 90-DEG

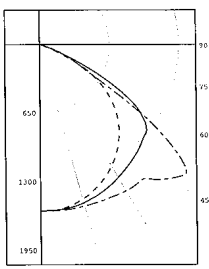
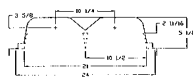
45 2389. 3075. 4109.

55 2121. 3301. 3469.

65 1060. 1606. 1246.

75 107. 190. 240.

85 19. 19. 19.



Checked MB
Approved R. Bantle

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

ORDERING INFORMATION Explanation of Catalogue Number Example: DPA2G12LS23212050

DP	A	2	G	12	L	S	2	32	120	SO	
DEEPCEL PLUS PARABOLIC	BODY STYLE	FIXTURE WIDTH	CEILING TYPE	NUMBERS OF CELLS	LOUVER FINISH* L-Low iridescence S-Semi-specular 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 1-2 Lamp Elect. T8 LOL T8 Dimming * Instant Start Standard **Rapid Start Standard	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)	12=2 rows of 6 18=3 rows of 6 24=3 rows of 8 32=4 rows of 8				32=T8 34=T12 (nominal 48")			

+ % 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 2 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 .85. To prevent glare the VCP shall not be less than 75 either lengthwise or crosswise (at 100fc level) and the average brightness at 65° shall not exceed 1606 candelas per square meter. To control veiling reflections, luminaire output in the 30°-90° zone shall not be less than 72.0%.

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 80% 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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