

Highly efficient with balanced illumination and simple to use.

DQA5G29PR232 DEEPCEL PARABOLIC TROFFER



20" X 48" RECESSED FLUORESCENT, 3" DEEP, 18 CELLS
PARABOLIC LOUVER, STATIC OR AIR SUPPLY / RETURN
2 LAMP FLUORESCENT

Full-length air slots and one-piece faceplate create clean lines and attractive ceiling appearance. The precise fitting 3" deep louver provides good glare control.

Project: _____
Location: _____
Catalog No: _____
Fixture Type: _____
Mfg: _____ Lamps: _____ Qty: _____
Notes: _____

Ordering Guide

Explanation of Catalog Number Example: DQA5G29PR232

Deepcell Plus Parabolic	Body Style	Fixture Width	Ceiling Type	Numbers of Cells	Louver Finish	Single "V" Reflector	Lamp Qty	Lamp/ Fixture Length	Voltage	Ballast Type	Options
DQ		5	G	29			2				
Pre-anodized Aluminum Louver	A = Air Supply S = Static	5 = 20"	G = Grid (Lay-in T-bar)	29 = (2 Rows of 9—18 cells)	P = Low Iridescence Specular L = Low Iridescence Semi-Specular * See Options and Consult Factory	R = Premium Specular Reflector S = Premium White Reflector	2 = 2 Lamps	32 = T8 34 = T12 (Nominal 48")	UNV = 120/277V 120 = 120V 277 = 277V 347 = 347V	LE 1-2 Lamp Mag. T12 <20THD <10THD SO * 1-2 Lamp Elect. T8 PS — LOL T8 Dimming * Instant Start Standard ** Rapid Start Standard	Add appropriate suffix to catalog No.

DQA5G29PR232

DEEPCEL PARABOLIC TROFFER

Features

- 5½" deep body.
 - 74.3% efficient.
 - White painted interior.
 - One-piece housing has ribbed construction for added strength.
 - Black exterior for cooler ballast operating temperature.
 - Fixture ends and sides are hemmed for safe handling.
 - Pre-anodized aluminum parabolic louver.
 - Vertical grain louver eliminates reflected lamp images on cross baffle.
 - Cam action latches.
 - 18 gauge steel hinges.
 - Louver frame with integral positive light stop.
 - Louver has protective film dust guard.
 - Meets IES RP-1-04 Maximum Luminaire Luminous Intensity for normal VDT use.
- (Applies to DQA5G29PR232 combination only)

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.

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.

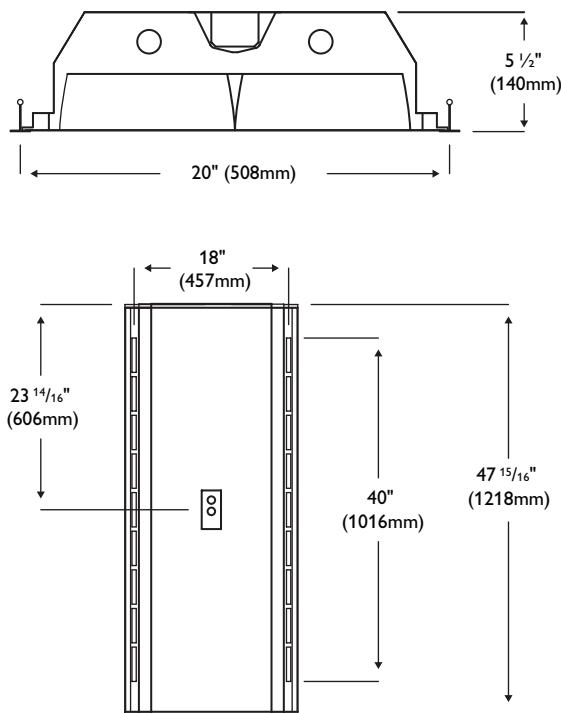
Finish: Chassis exterior—black baked polyester enamel. Cavity—white baked polyester enamel minimum 86% reflectance. Phosphate undercoating. Louver—low iridescence semi-specular anodized vertical grain aluminum reflector sheet is standard.

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°.

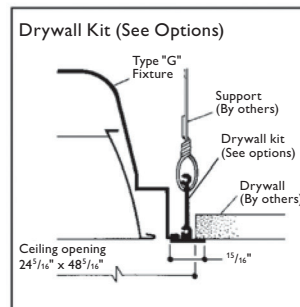
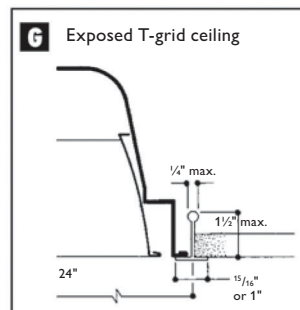
Labels: I.B.E.W. UL and ULc Listed.

This product may have a mercury containing lamp. Manage in accord with Disposal Laws. See: www.lamprecycle.org

Dimensions



Mounting Methods



FP9DQA60: Filler plate set sold and shipped separately. Filler plate set converts the fixtures 20 x 48 dimension to 20 x 60 when installed.

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Performance

Report Number: LSC8894

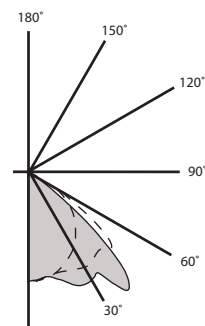
Catalog No: DQA5G29PR232120SO

Lamp Type: 2 F32T8/TL841

Lumens per Lamp: 2950

Lumen Input Watts: 57.0

Total Efficiency: 74.3%



Candela Distribution

Angle	Along	22.5	45.0	67.5	Across	Output Lumens
0	1611	1611	1611	1611	1611	154
5	1612	1619	1610	1596	1594	
10	1580	1590	1572	1558	1564	
15	1541	1531	1543	1600	1626	
20	1487	1484	1551	1682	1733	
25	1413	1415	1582	1778	1843	739
30	1321	1362	1633	1800	1854	
35	1216	1312	1628	1763	1813	
40	1103	1251	1583	2038	2275	
45	964	1201	1594	1977	1983	
50	825	1092	1597	1240	1102	1166
55	638	972	1035	509	403	
60	421	705	424	221	177	
65	151	224	132	156	136	
70	22	18	31	51	63	
75	0	0	0	0	0	5
80	0	0	0	0	0	
85	0	0	0	0	0	
90	0	0	0	0	0	

Coefficients of Utilization

RC	80%				50%				30%			
RW	70	50	30	10	50	30	10	50	30	10		
RCR	Zonal Cavity Method Effective Floor Cavity Reflectance = .20											
Room Cavity Ratio	1	83	80	78	76	76	74	72	73	71	70	
	2	77	73	69	66	69	66	64	67	64	62	
	3	72	66	61	57	63	59	56	61	58	55	
	4	66	59	54	50	56	52	49	55	51	48	
	5	61	53	47	43	51	46	42	49	45	42	
	6	56	48	42	37	46	41	37	44	40	37	
	7	52	43	37	33	41	36	32	40	35	32	
	8	47	38	32	28	36	31	28	35	31	27	
	9	43	34	28	24	32	27	23	32	27	23	
	10	40	30	24	21	29	24	21	29	24	20	

Luminance Data in Candela / Sq. Meter

Angle	Along	45	Across
45	2799	4645	5780
55	2283	3719	1449
65	734	643	662
75	0	0	0
85	0	0	0

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	1338	22.68	30.53
0-40	2331	39.52	53.19
0-60	4193	71.07	95.66
0-90	4383	74.29	100.00
40-90	2051	34.78	46.81
60-90	190	3.22	4.34
90-180	0	.00	.00
0-180	4383	74.29	100.00

Options/Accessories

Drywall Kit: For plaster frames, order Cat. No.: **FK920X4**

Radio Interference Filter: 120, 277 or 347 volt, 50 or 60 Hz. SUFFIX: **R**.

Filler Plates: For 20 x 60 ceilings FP9DQA60 (set).

Emergency Lighting System: SUFFIX: **O**

Emergency battery pack with charger. (90 minutes at 15% of lumens for 1 lamp).

Louver Finish: Low iridescence semi-specular (standard).

For other finishes, consult your Philips Lighting representative.

Air Pattern Control and Air Slot Closure: For horizontal and vertical air supply and to balance return (consult your Philips Lighting representative).

Ballast Options: For other ballast options, consult your Philips Lighting representative.



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