

VDT control with balanced illumination for visual comfort.

ADS8G16MS132
VISION SMART



8" X 48" RECESSED FLUORESCENT
16 CELL PARABOLIC LOUVER
STATIC OR AIR SUPPLY/RETURN
IES RP-1 FOR INTENSE VDT USE (PREFERRED)

Vision Smart Parabolics meet the Preferred and Basic Criteria of IES RP-1 and RP-24. This luminaire delivers low to medium light levels with the best performance in terms of efficiency, wide spacing and excellent glare control.

Project: _____

Location: _____

Catalog No: _____

Fixture Type: _____

Mfg: _____ Lamps: _____ Qty: _____

Notes: _____

Ordering Guide

Explanation of Catalog Number Example: **ADS8G16MS132120SO**

Advance Technology	Body Style	Fixture Width	Ceiling Type	Number of Cells	Louver Finish	Lamp Quantity	Lamp Length	Voltage	Ballast Type	Options
AD		8	G	16	MS	1	32			
Full Width Reflector Louver 48" in Length	A = Air Handling S = Static	8 = 8"	G = Grid (Lay-in T-Bar) L = Self Flange		MS = Low Iridescence Reflector Matte	1 = 1 Lamp	32 = T8 (Nominal 48")	UNV = 120/277V 120 = 120V 277 = 277V 347 = 347V	<20THD SO* <10THD RO** PW — *Instant Start Standard **Rapid Start Standard	1 or 2 Lamp Elec. T8 T8 Dimming Add Appropriate Suffix to Catalog Number

Features

- Meets IES RP-1 luminance criteria, for lighting VDT areas with intense use.
- Fixture efficiency 62.4%.
- Maintain low average luminance in a shallow construction (only 5.5" deep).
- Precise wraparound louver to prevent flashing lamp image on side blades.
- Reflector matte material combines diffuse and reflective optics to match ceiling luminance while providing optical cutoff and efficiency.
- Light distribution provides high level of uniformity on the task.
- Light distribution constant with in-row luminaire configuration (lines-of-light).
- Louver securely held with concealed torsionite spring clips.

Specifications

Performance: In an installation of 1 lamp 32W luminaires in a room cavity ratio of 1, with reflectance of 80% ceiling, 50% walls, 20% floor, the C.U. shall not be less than .69. To meet IES RP1 preferred luminance criteria for VDT areas the average luminance at 55°, 65°, 75° and 85° shall not exceed 849, 0, 0 and 0 candelas per square meter respectively in 0°, 45°, 90° horizontal planes. Candelas at nadir (0°) not to exceed 1462.

Materials: Chassis parts are die-formed 22 gauge cold rolled steel.

Louver: Post-anodized aluminum.

Finish: Louver—low iridescence reflector matte post-anodized sheet. Chasis parts—white baked polyester powder coat.

Electrical: Rapid start HPF, thermally protected class "P" ballast C.B.M. certified by E.T.L. If K.O. is within 3" of ballast, use wire suitable for at least 90°.

Labels: Listed by CSA/UL.

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

Options/Accessories

Drywall Kit: For plaster frames, order catalog number: **FK97X4**.

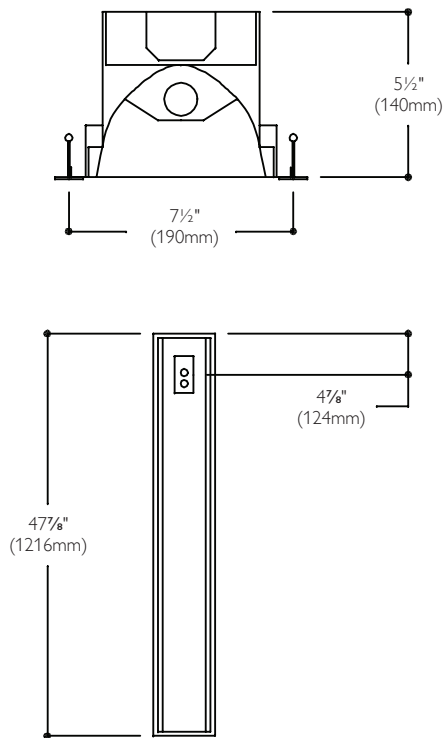
Emergency Lighting System: Consult your Philips Lighting representative.

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

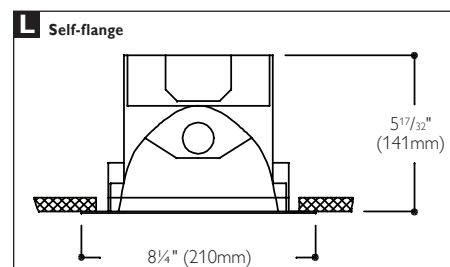
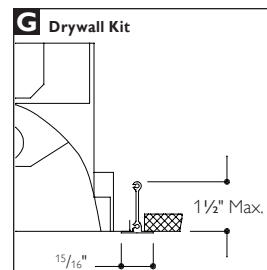
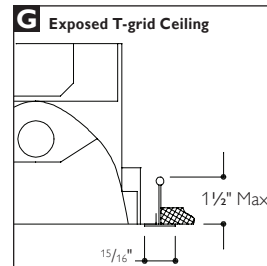
Ballast Options: For other ballast options, consult your Philips Lighting representative.

Louver Finish: Low iridescence reflector matte (standard). For other finishes, consult your Philips Lighting representative.

Dimensions



Mounting Methods



Performance

Model No. ADS8G16R140120SO

Report Number: LSC5443

Catalog Number: ADS8G16R140120SO

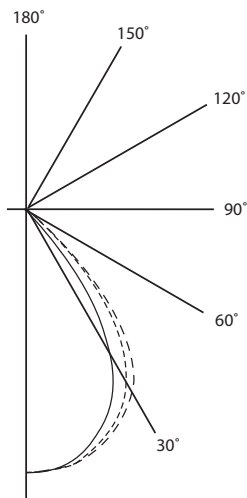
Lamp: (1) F32T8/TL835

Luminaire: 8" X 48" recessed fluorescent
16 cell parabolic louver troffer

Ballast: Advance REL-2P32-RH-TP

Lumens: Report is based on 3050 lumens
per lamp

Efficiency: 62.4%



Candela Distribution

Angle	0.0	22.5	45.0	67.5	Across	Output Lumens
0	1462	1462	1462	1462	1462	
5	1459	1454	1463	1467	1465	141
10	1448	1439	1461	1452	1433	
15	1411	1417	1414	1374	1352	391
20	1343	1342	1325	1285	1249	
25	1260	1239	1231	1171	1123	553
30	1161	1124	1114	1018	936	
35	999	965	902	765	616	524
40	716	720	651	464	337	
45	379	433	409	209	91	253
50	105	159	214	63	3	
55	5	18	77	40	0	41
60	0	0	9	23	0	
65	0	0	0	0	0	1
70	0	0	0	0	0	
75	0	0	0	0	0	0
80	0	0	0	0	0	
85	0	0	0	0	0	0
90	0	0	0	0	0	

Luminance Data in Candela/Sq. Meter

Average in Deg.	Average 0 Deg.	Average 45 Deg.	Average 90 Deg.
45	3388	3664	813
55	51	849	0
65	0	0	0
75	0	0	0
85	0	0	0

Coefficients of Utilization

Ceiling	80%			50%			30%			
Wall	70	50	30	50	30	10	50	30	10	
RCR	Zonal Cavity Method— Effective Floor Cavity Reflectance = 0.20									
Room Cavity Ratio	1	71	69	68	65	64	63	63	62	61
	2	67	64	62	61	59	57	59	58	56
	3	63	59	56	57	55	53	55	53	52
	4	60	55	52	53	50	48	52	49	47
	5	57	51	47	49	46	44	48	46	43
	6	54	48	44	46	43	41	45	42	40
	7	50	44	40	43	40	37	42	39	37
	8	47	41	37	40	36	34	39	36	34
	9	44	38	33	36	33	30	36	33	30
	10	41	35	31	34	30	28	33	30	28

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixt
0-30	1085	35.58	56.98
0-40	1609	52.77	84.52
0-60	1903	62.40	99.94
0-90	1904	62.43	100.00
40-90	294	9.67	15.48
60-90	1	.04	.06
90-180	0	.00	0.00
0-180	1904	62.43	100.00



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