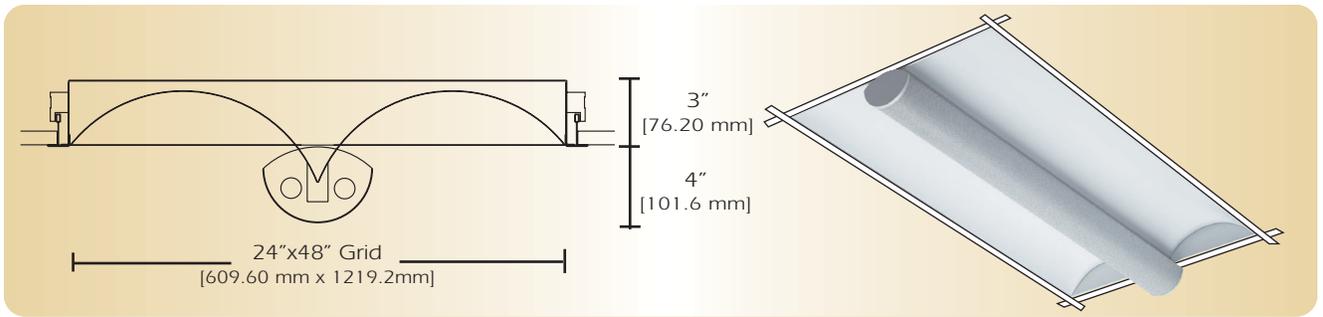


New Age Series

NAS-PO



TYPE _____

FEATURES

The NAS-PO is one variation of a complete group of Recessed Direct/Indirect luminaires featuring a centered metal perforated lamp shield with an acrylic overlay panel to obscure direct lamp image. The centered perforated lamp shield is positioned below the ceiling plane. Lamp output is distributed over a computer designed reflector system to provide soft glare-free illumination. The NAS-PO series can be used in any installation where high performance and comfortable lighting are required.

SPECIFICATIONS

- Housing:** Die formed 20-gauge cold rolled steel finished in baked white enamel. Housing has an access plate on top with two 7/8" diameter knockouts.
- Shielding:** Die formed 20 gauge perforated steel lamp shield has a 41% opening with white acrylic .020 translucent overlay. The end caps are 18 gauge and welded to lamp shield. The hinged lamp shield is removable for easy lamp access.
- Reflector:** Die formed .020 aluminum 90% minimum reflectivity finished in low glare matte baked white enamel.
- Electrical:** Ballast is electronic, high power factor, thermally protected class P, sound rated A, with less than 20% total harmonic distortion. The minimum number of ballasts will be used unless otherwise specified.
- Mounting:** Standard installation is 2 x 4 exposed inverted T-bar ceiling. Optional trims are also available for installations in miniature grid, drywall or plaster ceiling. For mounting detail information consult factory. Four support brackets are included with each fixture.
- Finish:** Fixture housing and steel components are finished in baked white enamel applied over a five-stage pretreatment process.
- Lamps:** Fixtures are provided for use with 40 or 50 watt compact fluorescent or 32 watt T8 lamps. (Supplied by Others)
- Certification:** Luminaires are U. L. Listed, C.S.A. certified and are Union Made in the United States of America I.B.E.W.

ORDERING GUIDE

MODEL NO.	LAMPS	SIZE	MOUNTING	FINISH	VOLTAGE	OPTIONS
NAS-PO	-	24	-	-	-	-
NAS-PO	440-CF 450-CF 232-T8 332-T8	24= 2X4	G= Standard Lay-in Grid MG= Miniature Grid F= Flanged	W= White CC= Custom Color	120v 277v	See Options Below
	O= Other Specify					

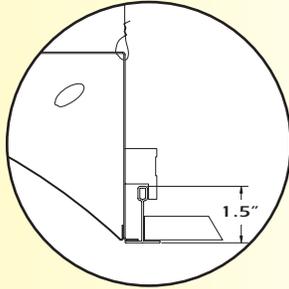
Example: **NAS-PO-232-T8-24-G-W-277V**
New Age Series with perforated lamp shield two 32 watt T8 grid fixture finished in baked white enamel 277 volt electronic ballast less than 20% harmonics.

OPTIONS

- E10=** Electronic ballast, high power factor, thermally protected class P, sound rated A, <10% total harmonic distortion
- DIM=** Dimming Ballast
- EPC=** Emergency Battery Pack
- EMC=** Emergency Circuit
- TCW=** Two Circuit Wiring
- ARS=** Air return system
- FWH=** Flexible wiring harness
- OTH=** See Accessory Section for other options available

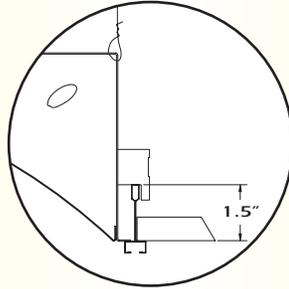
LINEAR SECTIONS AND SUSPENSION LOCATION

MOUNTING "G"



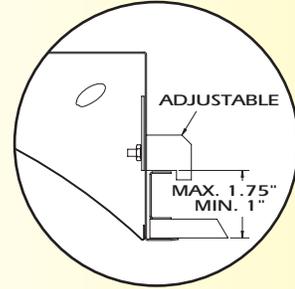
STD. 1 1/2" INVERTED "T" BAR

MOUNTING "MG"



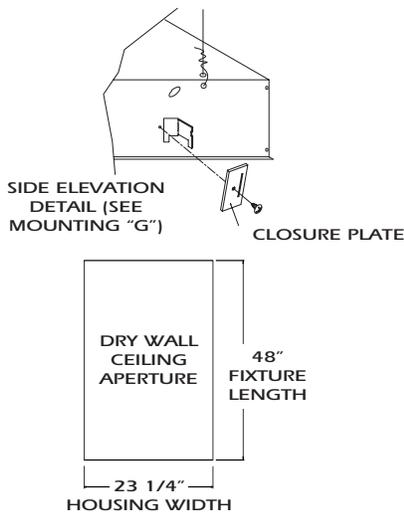
1 1/2" MINIATURE GRID CEILING

MOUNTING "F"

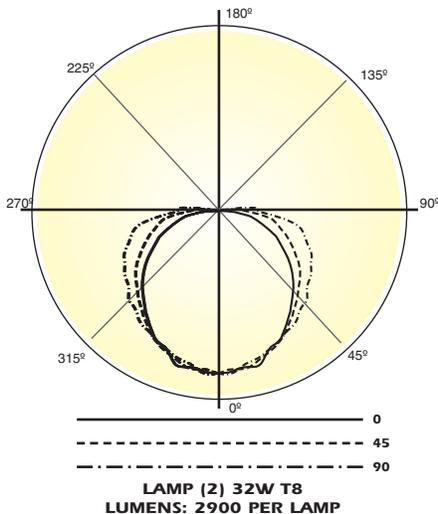


PLASTER OR DRY WALL CEILING

INSTALLATION PREPARATION



PHOTOMETRY



Candela Distribution:

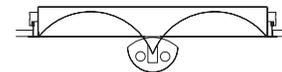
Vert. Angle	0	22.5	45	67.5	90
0	1060	1060	1060	1060	1060
5	1026	1058	1019	1066	1056
15	1029	1012	1035	1005	974
25	911	951	942	938	946
35	805	825	847	867	886
45	698	705	747	797	828
55	553	588	646	734	745
65	418	447	530	638	684
75	271	304	416	538	589
85	118	191	284	361	382
95	9.81	58.9	135	209	248
105	2.42	9.44	14.0	21.9	29.3
115	1.79	2.24	4.09	1.56	0
125	0.68	1.02	1.54	0.72	0
135	0.36	0.74	0.84	0.31	0
145	0.17	0.35	0.37	0.30	0
155	0	0.11	0	0	0
165	0	0	0	0	0
175	0	0	0	0	0
180	0	0	0	0	0

Optical Distribution:
100% Direct

Coefficients of Utilization - Zonal Cavity Method:

pfc = 0.20

	.8	.7	.5	.3	.1	0													
pcc	.8	.7	.5	.3	.1	0													
pw	.7	.5	.3	.1	.5	.3	.1	0											
RCR	0	80	80	80	80	78	78	78	78	74	74	74	70	70	70	67	67	67	65
1	71	67	63	60	69	65	62	58	61	59	56	58	56	54	55	53	52	50	
2	64	57	51	47	61	55	50	46	52	48	44	50	46	43	47	44	42	40	
3	58	49	43	38	55	48	42	37	45	40	36	43	39	35	41	37	34	32	
4	52	43	37	31	50	42	36	31	40	35	30	38	33	29	36	32	29	27	
5	48	38	32	27	46	37	31	26	35	30	26	34	29	25	32	28	25	23	
6	44	34	28	23	43	33	27	23	32	26	22	30	26	22	29	25	21	20	
7	41	31	25	20	39	30	24	20	29	23	20	28	23	19	26	22	19	17	
8	38	28	22	18	37	27	22	18	26	21	17	25	20	17	24	20	17	15	
9	35	26	20	16	34	25	20	16	24	19	15	23	19	15	22	18	15	14	
10	33	24	18	14	32	23	18	14	22	17	14	21	17	14	21	16	13	12	



Total Luminaire Optical Efficiency = 67.9%