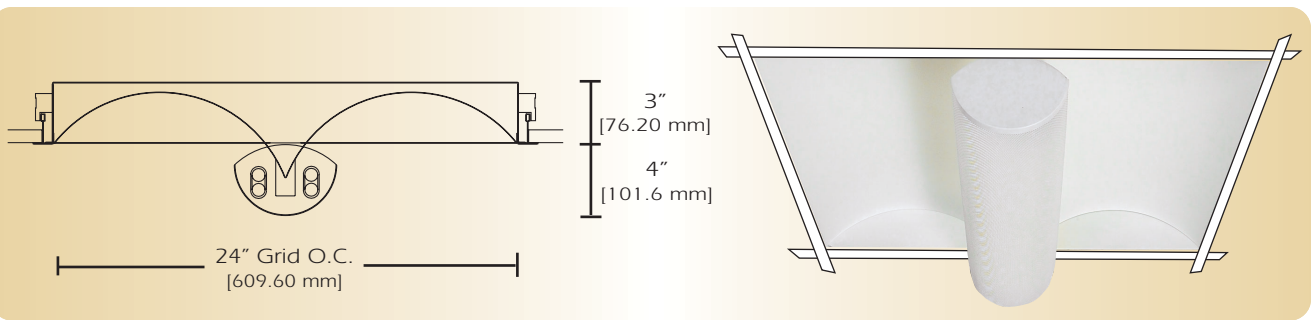


# New Age Series

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 2x2 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 17 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
<b>NAS-PO</b>	-	<b>22</b>	-	-	-	-
<b>NAS-PO</b>	<b>240-CF</b> <b>250-CF</b> <b>217-T8</b>	<b>22= 2X2</b>	<b>G=</b> Standard Lay-in Grid <b>MG=</b> Miniature Grid <b>F=</b> Flanged	<b>W=</b> White <b>CC=</b> Custom Color	<b>120v</b> <b>277v</b>	<b>See Options Below</b>
	<b>O=</b> Other Specify					

Example: **NAS-PO-240CF-22-G-W-120V**

New Age Series with perforated lamp shield two 40 watt compact fluorescent 2x2 grid fixture finished in baked white enamel 120 volt electronic ballast less than 20% harmonics.

## OPTIONS

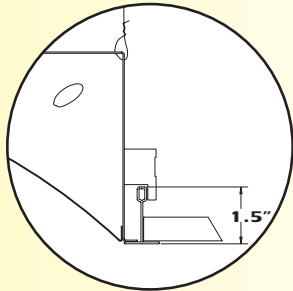
- E10=** Electronic ballast, high power factor, thermally protected class P, sound rated A, <10% total harmonic distortion
- DIM=** Dimming Ballast
- EPC=** Emergency Battery Pack
- EMC=** Emergency Circuit
- TCW=** Two Circuit Wiring
- ARS=** Air return system
- FWH=** Flexible wiring harness
- OTH=**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

# New Age Series

NAS-PO

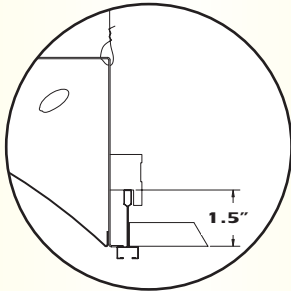
LINEAR SECTIONS AND  
SUSPENSION LOCATION

MOUNTING "G"



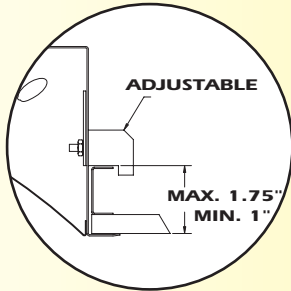
STD. 1 1/2" INVERTED "T" BAR

MOUNTING "MG"



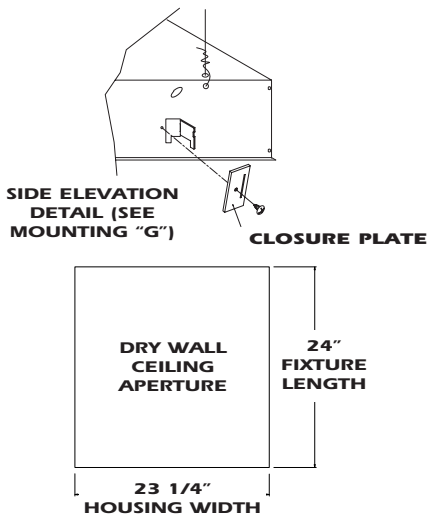
1 1/2" MINIATURE GRID CEILING

MOUNTING "F"



PLASTER OR DRY WALL CEILING

INSTALLATION PREPARATION



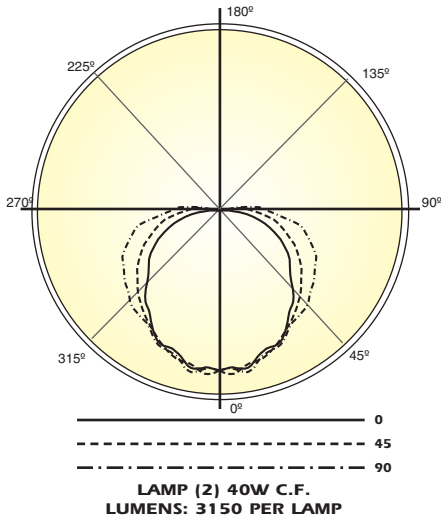
WIRE TIES OR CHAINS  
(BY OTHERS AS REQUIRED  
BY NATIONAL AND LOCAL  
ELECTRICAL CODES)

QUICK ACCESS  
WIRING PLATE

HOUSING  
ALIGNMENT  
MOUNTING  
BRACKETS (SEE  
MOUNTING "G")

2' x 2' "T"  
BAR CEILING  
GRID

PHOTOMETRY



Candela Distribution:

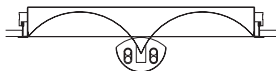
Vert. Angle	0	22.5	45	67.5	90
0	1058	1058	1058	1058	1058
5	1047	1038	1142	1040	1061
15	991	1016	1027	1026	1008
25	984	931	948	959	981
35	812	818	864	889	865
45	668	700	774	818	843
55	572	582	670	750	772
65	435	458	548	671	711
75	280	327	417	554	615
85	131	193	290	373	413
95	18.4	91.7	168	246	266
105	4.88	20	32.1	32.6	34.3
115	2.60	6.86	12.3	6.82	0.47
125	1.03	3.06	4.03	2.65	0.32
135	0.17	1.62	1.86	1.47	0
145	0.63	0.53	1.40	0.78	0
155	0.38	0	0	0	0
165	0	0	0.26	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

pcc	.8	.7	.5	.3	.1	0
pw	.7 .5 .3 .1	.7 .5 .3 .1	.5 .3 .1	.5 .3 .1	.5 .3 .1	0
RCR	0 76 76 76 76	74 74 74 74	70 70 70	66 66 66	63 63 63	61
1	67 63 60 57	65 62 58 55	58 55 53	55 53 51	52 50 48	47
2	60 54 49 44	58 52 48 43	49 45 42	47 43 40	44 41 39	37
3	54 47 41 36	52 45 40 35	43 38 34	40 36 33	38 35 32	30
4	50 41 35 30	48 40 34 29	38 32 28	36 31 28	34 30 27	25
5	45 36 30 25	44 35 29 25	33 28 24	32 27 24	30 26 23	21
6	42 32 26 22	40 32 26 21	30 25 21	29 24 20	27 23 20	18
7	39 29 23 19	37 28 23 19	27 22 18	26 21 18	25 21 18	16
8	36 27 21 17	35 26 20 17	25 20 16	24 19 16	23 19 16	14
9	33 24 19 15	32 24 18 15	23 18 14	22 17 14	21 17 14	13
10	31 22 17 13	30 22 17 13	21 16 13	20 16 13	19 15 13	11



Total Luminaire Optical  
Efficiency = 64.7%