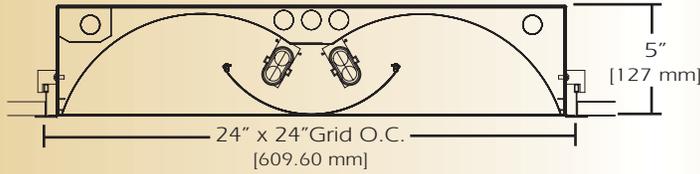


# New Age Series

NAS-PIW



TYPE \_\_\_\_\_

FEATURES

The NAS-PIW is one variation of a complete group of Recessed Direct luminaires featuring a centered metal perforated lamp shield with an acrylic overlay to obscure direct lamp image. The centered perforated lamp shield is positioned above the ceiling plane. Lamp output is distributed over a computer designed reflector system to provide soft glare-free illumination. The NAS-PIW 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 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 2 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-PIW</b>	-	<b>22</b>	-	-	-	-
<b>NAS-PIW</b>	<b>240-CF</b> <b>340-CF</b> <b>250-CF</b> <b>350-CF</b> <b>217-T8</b> <b>317-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-PIW-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

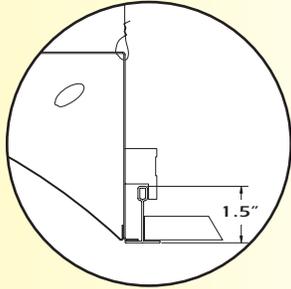
- E10=** Electronic ballast, high power factor, thermally protected class P, sound rated A, <10% total harmonic distortion
- DIM=** Dimming Ballast
- EPC=** Emergency Battery Pack
- EMC=** Emergency Circuit
- TCW=** Two Circuit Wiring
- ARS=** Air return system
- FWH=** Flexible wiring harness
- OTH=**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

# New Age Series

NAS-PIW

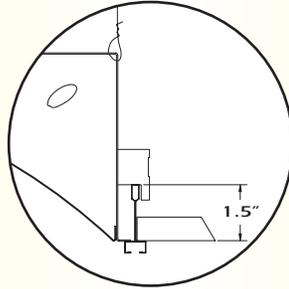
LINEAR SECTIONS AND SUSPENSION LOCATION

### MOUNTING "G"



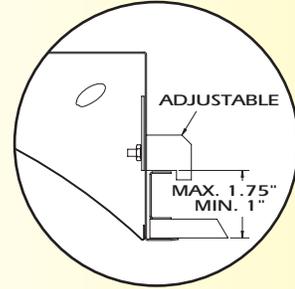
STD. 1 1/2" INVERTED "T" BAR

### MOUNTING "MG"



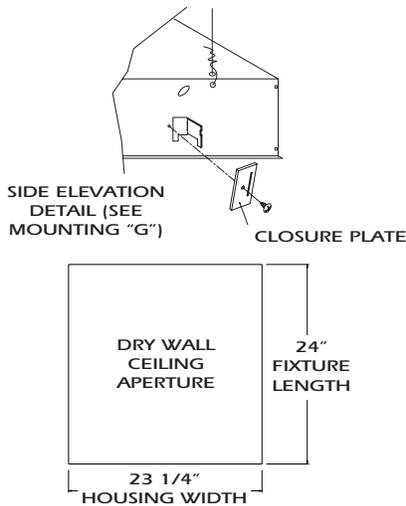
1 1/2" MINIATURE GRID CEILING

### MOUNTING "F"

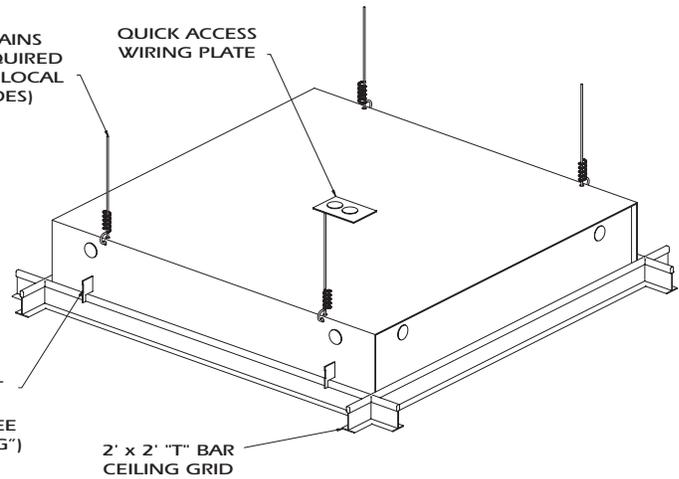


PLASTER OR DRY WALL CEILING

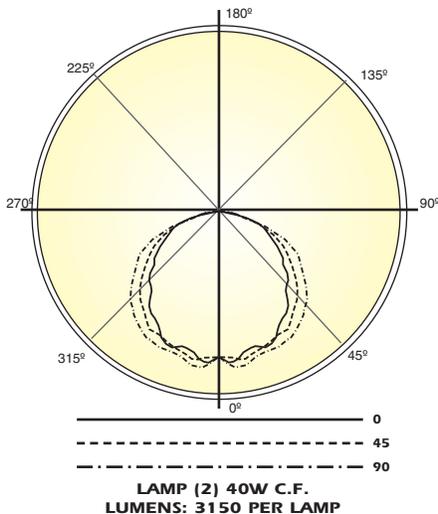
INSTALLATION PREPARATION



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



PHOTOMETRY



#### Candela Distribution:

Vert. Angle	0	22.5	45	67.5	90
0	1134	1134	1134	1134	1134
5	1179	1200	1145	1176	1214
10	1114	1134	1170	1153	1211
15	1102	1133	1128	1163	1165
20	1124	1084	1108	1170	1159
25	1052	1040	1072	1136	1150
30	971	1006	1070	1123	1128
35	925	913	1003	1058	1080
40	805	857	947	1030	1019
45	757	805	877	918	965
50	657	705	776	853	878
55	582	618	685	765	793
60	506	545	609	675	714
65	430	458	503	561	590
70	349	367	403	413	422
75	258	263	273	263	255
80	168	171	150	155	152
85	76.2	73.8	72.0	78.5	78.6
90	7.97	6.49	6.63	8.02	9.11

Optical Distribution:  
100% Direct

#### Coefficients of Utilization - Zonal Cavity Method:

pfc = 0.20

	.8	.7	.5	.3	.1	0												
0	70	70	70	68	68	68	65	65	65	62	62	62	60	60	60	59		
1	63	60	58	55	62	59	57	55	53	54	53	51	52	51	50	48		
2	57	52	48	45	56	51	47	44	49	46	43	47	44	42	45	43	40	
3	52	46	41	37	51	45	40	36	43	39	36	41	38	35	40	37	33	
4	48	40	35	31	46	39	34	31	38	34	30	37	33	30	35	32	29	28
5	44	36	30	26	42	35	30	26	34	29	26	33	29	26	32	28	25	24
6	40	32	27	23	39	31	26	23	30	26	22	29	25	22	28	25	22	21
7	37	29	24	20	36	28	23	20	28	23	20	27	23	20	26	22	19	18
8	34	26	21	18	34	26	21	18	25	21	17	24	20	17	24	20	17	16
9	32	24	19	16	31	24	19	16	23	19	16	22	18	16	22	18	15	14
10	30	22	17	14	29	22	17	14	21	17	14	21	17	14	20	17	14	13



Total Luminaire Optical Efficiency = 59.0%