

**FEATURES**

- Slim design, less than 5" wide and only 4" deep
- Smooth white acrylic diffuser for soft even illumination
- White injection molded decorative plastic ends hold diffuser in place. Easily removable for lamp access
- Heavy gauge steel die formed housing with heat sink embossments behind ballast for cooler operation and longer life

**PROJECT INFORMATION**

Project Name \_\_\_\_\_

Type \_\_\_\_\_

Catalog No. \_\_\_\_\_

Date \_\_\_\_\_

**BALLASTS**

Energy efficient, thermally protected, automatic resetting, Class P, high power factor, sound rated A, unless otherwise specified. CEE NEMA Premium compliant.

**SHIELDING**

100% opal acrylic extrusion.

**ELECTRICAL**

Standard class "P", thermally protected, auto-resetting HPF ballast, sound rated A. CEE NEMA Premium compliant. All ballast leads extend a minimum of 6" through access location. NEC/CEC-compliant ballast disconnect is standard.

**CERTIFICATION**

All luminaires are built to UL 1598 standards and bear appropriate UL and cUL or CSA labels. Damp location labeling is standard. Emergency-equipped fixtures labeled UL 924.

**FINISH**

White painted parts are treated with a five stage phosphate bonding process and finished after fabrication with a minimum 90% reflective gloss baked enamel.

**ORDERING INFORMATION**

**EXAMPLE AD4-132-EU**

AD		-		-		-		-	
MODEL	LENGTH	NO. OF LAMPS	LAMP TYPE	BALLAST	VOLTAGE	OPTIONS			
AD Corridor Light	2 2' 3 3' 4 4'	1 One 2 Two	14 2', T5: 14 Watt 17 2', T8: 17 Watt 21 3', T5: 21 Watt 24 2', T5HO: 24 Watt 25 3', T8: 25 Watt 28 4', T5: 28 Watt 32 4', T8: 32, 30, 28 or 25 Watt 39 3', T5HO: 39 Watt 54 4', T5HO: 54 or 51 Watt	E (1 or 2-Lamp) Electronic T8, Instant Start  EP (1 or 2-Lamp) Electronic T5 or T8, Programmed Start  For a specific ballast vendor, show as option.	U 120V-277V  347 347V	<b>GLR</b> Fast Blow Fuse <b>EL</b> Emergency Battery Pack <b>PAF</b> Paint After Fabrication  <b>ACCESSORIES (ORDER SEPARATELY)</b> <b>ITB4</b> T-Bar Hanger <b>S18</b> 18" Stem, Canopy <b>SS18</b> 18" Swivel Stem - 45° Swivel			

### PHOTOMETRIC DATA

#### LUMINAIRE DATA

Luminaire	<b>AD4-140-E</b> AD Surface Mounted 48" x 4 7/8" 1-Lamp with opal acrylic wraparound lens
Ballast	<b>412-L-SLH-TC-P</b>
Ballast Factor	<b>0.95</b>
Lamp	<b>F40CW</b>
Lumens per Lamp	<b>3150</b>
Watts	<b>45</b>
Shielding Angle	<b>N/A</b>
Spacing Criterion	<b>0° = 1.25 90° = 1.59</b>
Luminous Opening in Feet	<b>Length: 4.00</b> <b>Width: 0.41</b> <b>Height: 0.00</b>

#### AVG. LUMINANCE (Candela/Sq. M.)

	0.0	22.5	45.0	67.5	90.0
0	2724	2724	2724	2724	2724
30	2653	2850	3138	3304	3357
40	2605	2947	3359	3616	3693
45	2562	2998	3490	3815	3908
50	2522	3063	3655	4033	4156
55	2460	3135	3845	4314	4463
60	2376	3229	4096	4673	4844
65	2267	3339	4426	5156	5373
70	2111	3512	4913	5834	6141
75	1902	3804	5706	6974	7405
80	1587	4460	7371	9298	9941
85	1205	6853	12727	16643	17999

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	349	11.1	14.7
0-40	596	18.9	25.1
0-60	1167	37.0	49.0
0-90	1824	57.9	76.6
90-120	382	12.1	16.1
90-130	462	14.7	19.4
90-150	543	17.2	22.8
90-180	556	17.6	23.4
0-180	2380	75.5	100.0

#### COEFFICIENTS OF UTILIZATION (%)

RC	80					70					50					0
	RW	70	50	30	10	70	50	30	10	50	30	10	0			
1	76	71	67	64	72	68	64	61	61	58	56	44	4			
2	68	61	55	50	64	58	53	48	52	48	44	34	3			
3	61	53	46	40	58	50	44	39	45	40	36	28	2			
4	56	46	39	34	53	44	37	32	40	34	30	23	1			
5	51	41	34	28	48	39	32	27	35	30	25	20	0			
6	47	36	29	24	44	35	28	23	32	26	22	17	0			
7	43	33	26	21	41	31	25	20	29	23	19	15	0			
8	40	30	23	19	38	28	22	18	26	21	17	13	0			
9	37	27	21	16	35	26	20	16	24	19	15	11	0			
10	35	25	19	15	33	24	18	14	22	17	13	10	0			

RCR = Room Cavity Ratio

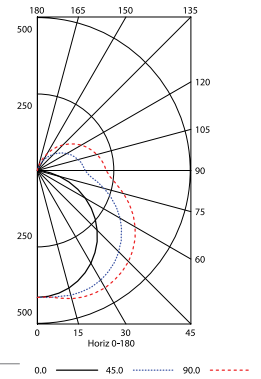
RC = Effective Ceiling Cavity Reflectance RW = Wall Reflectance

#### ENERGY DATA

Total Luminaire Efficiency	<b>75.5%</b>
Luminaire Efficacy Rating (LER)	<b>50</b>
ANSI/IESNA RP-1-2004 Compliance	<b>Noncompliant</b>
Comparative Yearly Lighting Energy Cost per 1000 Lumens	<b>\$4.80 based on 3000 hrs. and \$0.08 per KWH</b>

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#### INDOOR CANDELA PLOT



#### LUMINAIRE DATA

Luminaire	<b>AD4-240-U</b> AD Surface Mounted 48" x 4 7/8" 2-Lamp with opal acrylic wraparound lens
Ballast	<b>446-L-SLH-TC-P</b>
Ballast Factor	<b>0.95</b>
Lamp	<b>F40CW</b>
Lumens per Lamp	<b>3150</b>
Watts	<b>84</b>
Shielding Angle	<b>N/A</b>
Spacing Criterion	<b>0° = 1.25 90° = 1.53</b>
Luminous Opening in Feet	<b>Length: 4.00</b> <b>Width: 0.41</b> <b>Height: 0.00</b>

#### AVG. LUMINANCE (Candela/Sq. M.)

	0.0	22.5	45.0	67.5	90.0
0	5047	5047	5047	5047	5047
30	4926	5222	5661	5919	5987
40	4841	5363	5998	6392	6503
45	4780	5430	6191	6683	6822
50	4697	5524	6423	7025	7199
55	4589	5630	6717	7426	7655
60	4437	5736	7049	7955	8217
65	4209	5886	7563	8650	8992
70	3934	6064	8290	9710	10132
75	3525	6441	9434	11386	12046
80	2948	7371	11944	14854	15875
85	2109	10920	20032	26057	28090

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	638	10.1	15.8
0-40	1085	17.2	26.9
0-60	2093	33.2	51.8
0-90	3184	50.5	78.8
90-120	589	9.4	14.6
90-130	711	11.3	17.6
90-150	835	13.2	20.7
90-180	854	13.6	21.2
0-180	4039	64.1	100.0

#### COEFFICIENTS OF UTILIZATION (%)

RC	80					70					50					0
	RW	70	50	30	10	70	50	30	10	50	30	10	0			
1	65	61	58	55	62	58	55	53	53	51	48	39	1			
2	58	52	47	43	55	50	45	42	45	42	38	31	0			
3	53	45	40	35	50	43	38	34	39	35	31	25	0			
4	48	40	34	29	45	38	32	28	35	30	26	21	0			
5	44	35	29	25	41	34	28	24	31	26	22	18	0			
6	40	31	25	21	38	30	25	20	28	23	19	15	0			
7	37	28	22	18	35	27	22	18	25	20	17	13	0			
8	35	26	20	16	33	25	19	16	23	18	15	12	0			
9	32	23	18	14	31	22	17	14	21	16	13	10	0			
10	30	21	16	13	29	21	16	13	19	15	12	9	0			

RCR = Room Cavity Ratio

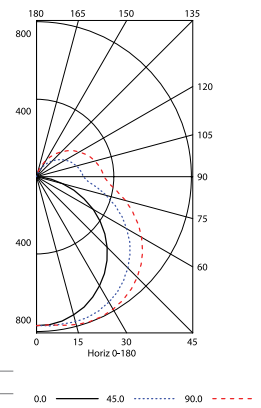
RC = Effective Ceiling Cavity Reflectance RW = Wall Reflectance

#### ENERGY DATA

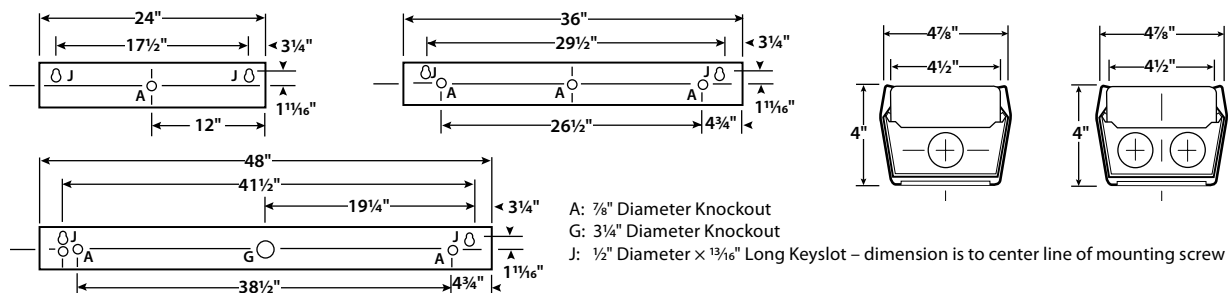
Total Luminaire Efficiency	<b>64.1%</b>
Luminaire Efficacy Rating (LER)	<b>46</b>
ANSI/IESNA RP-1-2004 Compliance	<b>Noncompliant</b>
Comparative Yearly Lighting Energy Cost per 1000 Lumens	<b>\$5.22 based on 3000 hrs. and \$0.08 per KWH</b>

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#### INDOOR CANDELA PLOT



### DIMENSIONAL DATA



**NOTE:** All dimensions are in inches; dimensions and specifications are subject to change without notice. Please consult factory or check sample for verification.

#### MOUNTING ACCESSORIES

