



Energy efficient, 105 to 124 lumens/watt (delivered). Environmentally friendly; contains no lead or mercury. 91,000 hours of reliable, maintenance free lighting. Twelve outputs across two fixture sizes satisfy a wide range of indoor lighting requirements. Provides efficient, comfortable lighting for applications such as private offices, open office areas, upscale retail, public circulation areas and classrooms.

Project \_\_\_\_\_  
 Catalog Number \_\_\_\_\_  
 Type \_\_\_\_\_  
 Date \_\_\_\_\_

- Even, diffuse illumination
- Energy efficient - Up to 56% energy savings vs. fluorescent
- 91,000 hour operating life (L70)
- Excellent color rendition, >80CRI

- Available in three color temperatures: 3500K, 4000K, (standard), 5000K
- 120V - 277V, 0 - 10V dimming standard
- Operating range 14°F (-10°C) to 122°F (50°C)

**CONSTRUCTION** Formed highly reflective matte white pre-painted reflectors and ends are housed in rugged steel housing. Ends are both tabbed and screwed securely into each corner. Two KOs per end and large access plates in top of housing simplify wiring. Ends include integral grid locking feature and four auxiliary mounting points. Premium aluminum mounted LED boards are securely fastened to steel LED tray for superior heat dissipation and extended life. Drivers installed in separate compartment with room-side accessibility. Extruded acrylic enclosed lens has positive locking channel along the length of fixture. All exposed installed surfaces are matte white, pre-coated with a minimum reflectivity of 87%. All other metal surfaces are gloss white pre-coated.

**OPTICAL SYSTEM** Enclosed acrylic lens has advanced material formulation to produce even and high efficiency lighting. Reflectors light evenly and contribute to fixture's efficiency and pleasing contrast. Fixture's geometry prevents harsh cutoff and is designed for an even gradient of light on reflective surfaces.

**ELECTRICAL** All connections are made with high quality quick connects. All supplied drivers are Class 2. 0-10 Volt (5% to 100%) dimming; power factor >0.9 at full load; operating temperature 14°F (-10°C) to 122°F (50°C). Safety standards: UL8750 / UL1310; total harmonic distortion: <18%; EMI: FCC Class B FCC Part 15; rated input voltage: 120V to 277V. Emergency lighting option ELS is available in all LED configurations to deliver 1000 lumens for 90 minutes minimum.

**LEDS** Aluminum core long life boards. LED chips available in 3500K, 4000K and 5000K. MacAdam binning is limited to 3 ellipses. >80 CRI for accurate color rendition. All LED options are LM80 tested. Life expectancy of 91,000 hours (L70).

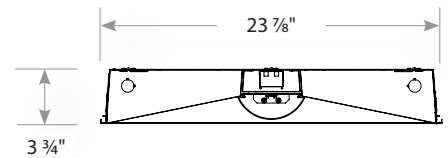
**CEILING COMPATIBILITY** Aletra fixtures are compatible with "G" type 9/16" wide & 15/16" tee lay-in grid styles. Also compatible with type "ST" screw slots tees. Integral grid lock in end cap secures fixture. For drywall ceiling applications, use GCK22 or GCK24 frame kits.

**ACCESS / WIRING** Housing has two access plates on top with (2) 3/4" KOs and (2) 3/4" KOs on sides.

**MOUNTING** Can be installed in suspended t-bar grid ceilings or drywall/plaster ceilings with optional trim kit. Mounting holes provided for hanging by wire.

**LISTINGS** C-UL-US listed damp location. IC Rated for direct contact with insulation. DesignLights Consortium™ qualified.

**WARRANTY** 5 year limited warranty.



ATA LED Troffer Configuration

SERIES	SIZE	DIFFUSER	INPUT POWER*	COLOR TEMPERATURE	VOLTAGE	OPTIONS	ACCESSORIES
ATA	22 = 2x2 24 = 2x4	R = Round Enclosed Lens	20 = 20W (2x2 only) 30 = 38W 50 = 55W (2x4 only)	35 = 3500K 40 = 4000K (standard) 50 = 5000K	U1 = Universal 120-277V	BP = Bulk Pack, palletized ELS = Emergency Backup, 1000 lm FL4 = Whipped 3/8", 6' Flex 2 # 18s FL5 = Whipped 3/8", 6' Flex 3 # 18s	GCK22 = 2x2 Drywall Kit GCK24 = 2x4 Drywall Kit

\* Nominal. See performance data for actual input power.

Performance Data

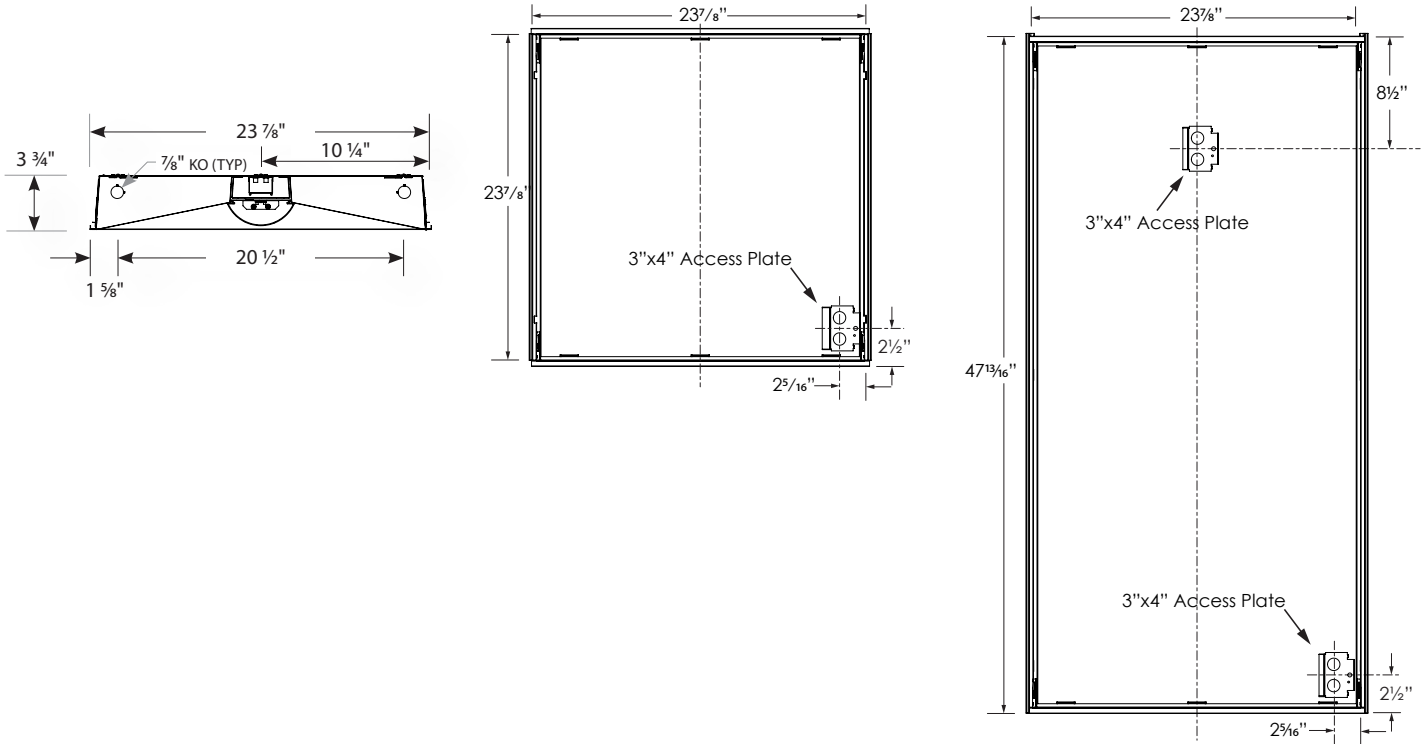
Model	Size	Input Power	Light Output*	Efficacy	Color Temperature	Equivalent Fluorescent**
ATA22R2035U1	2x2	20W	2247 lm	115 lm/W	3500K	2-32WT8U6, 2-17W T8
ATA22R3035U1		38W	4243 lm	112 lm/W	3500K	
ATA22R2040U1		19W	2282 lm	118 lm/W	4000K	
ATA22R3040U1		38W	4346 lm	116 lm/W	4000K	
ATA22R2050U1		19W	2288 lm	119 lm/W	5000K	
ATA22R3050U1		37W	4374 lm	117 lm/W	5000K	
ATA24R3035U1	2x4	38W	4416 lm	118 lm/W	3500K	3- or 4-32WT8
ATA24R5035U1		56W	5984 lm	107 lm/W	3500K	
ATA24R3040U1		37W	4525 lm	122 lm/W	4000K	
ATA24R5040U1		55W	6146 lm	112 lm/W	4000K	
ATA24R3050U1		38W	4571 lm	124 lm/W	5000K	
ATA24R5050U1		55W	6207 lm	113 lm/W	5000K	

\* Delivered lumens

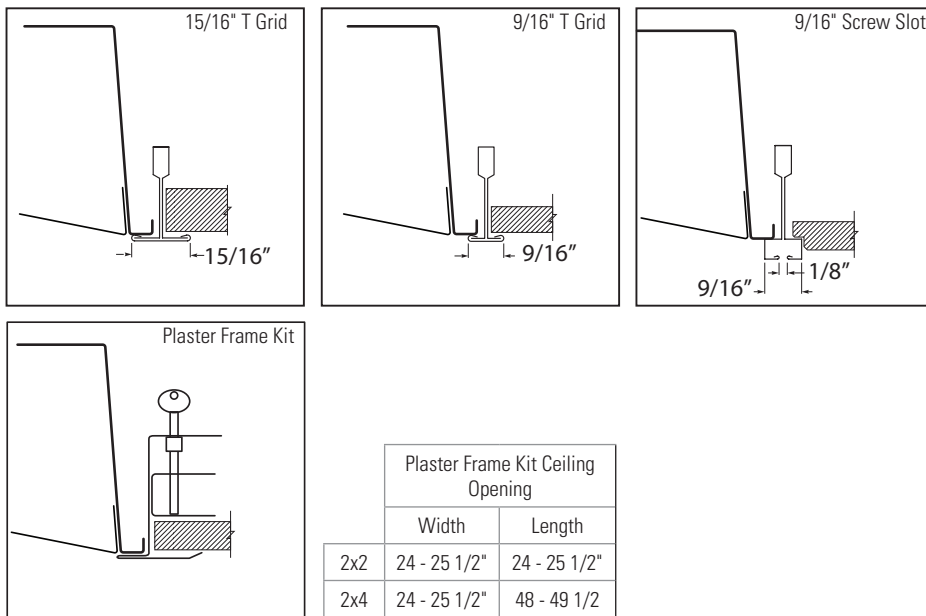
\*\* Consult a lighting engineer to meet specific requirements



**Dimensions**



**Ceiling Compatibility**



*Note: Surface model available.  
Contact factory for more information.*

**Photometric Data**

**Luminaire Data ATA 2x2 20W 3500K**

Formed steel housing, frosted linear prismatic lens enclosure

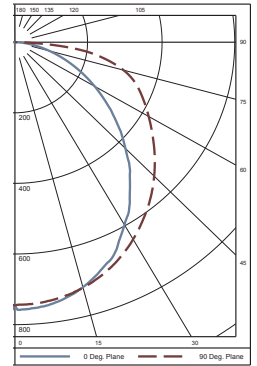
Catalog Number	<b>ATA22R2035U1</b>
Lab Test#	1183610
(#) Power Supply	(1) Constant Current 750mA
# LED	48 white LEDs
Color Temperature	3500K
Input Watts	19.55
Delivered Lumens	2247
Operating Life	91,000 hrs. (L70)
Fixture Efficacy	114.9 lm/W

*Utilization of Lumens - Zonal Cavity Method*

CC/Wall	80				50			30		
	RCR	70	50	30	10	50	30	10	50	30
0	2676	2676	2676	2676	2497	2497	2497	2391	2391	2391
1	2414	2294	2186	2089	2145	2064	1989	2056	1989	1928
2	2182	1981	1815	1675	1856	1727	1615	1781	1673	1578
3	1982	1730	1535	1379	1625	1470	1341	1562	1429	1317
4	1812	1528	1320	1162	1440	1271	1137	1386	1240	1121
5	1664	1363	1152	997	1289	1114	980	1243	1089	969
6	1536	1226	1018	869	1163	987	856	1124	968	848
7	1424	1111	908	766	1057	884	757	1024	868	751
8	1326	1014	818	683	968	797	676	939	785	672
9	1239	931	742	614	891	725	609	866	714	605
10	1162	859	678	557	824	664	553	803	655	550

Zonal cavity method Effective floor reflectance = 20%

*Polar Plot*



*Zonal Lumen Summary*

ZONE	LUMENS	% LUMINAIRE
0-40	937	41.7%
0-60	1654	73.6%
0-90	2247	100.0%
90-180	0	0.0%

*Average Luminance (cd/m2)*

ANGLE	ALONG	45	ACROSS
0	2188	2188	2188
45	1781	1998	2223
55	1591	1963	2337
65	1390	2036	2679
75	1147	2380	3468
85	838	3078	4185

Spacing criteria: 0-180: 1.20; 90-270: 1.20

**Luminaire Data ATA 2x2 30W 3500K**

Formed steel housing, frosted linear prismatic lens enclosure

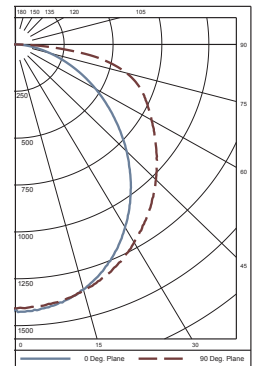
Catalog Number	<b>ATA22R3035U1</b>
Lab Test#	1183611
(#) Power Supply	(1) Constant Current 1400mA
# LED	96 white LEDs
Color Temperature	3500K
Input Watts	37.90
Delivered Lumens	4243
Operating Life	91,000 hrs. (L70)
Fixture Efficacy	111.9 lm/W

*Utilization of Lumens - Zonal Cavity Method*

CC/Wall	80				50			30		
	RCR	70	50	30	10	50	30	10	50	30
0	5051	5051	5051	5051	4714	4714	4714	4514	4514	4514
1	4560	4335	4132	3950	4054	3901	3761	3885	3760	3644
2	4122	3743	3429	3166	3507	3263	3053	3365	3161	2982
3	3744	3268	2899	2606	3070	2776	2534	2950	2699	2489
4	3421	2886	2494	2195	2719	2400	2147	2618	2341	2117
5	3142	2574	2176	1883	2433	2103	1850	2347	2057	1829
6	2901	2315	1922	1640	2196	1864	1617	2123	1827	1601
7	2689	2098	1715	1446	1996	1668	1429	1934	1638	1418
8	2503	1914	1544	1289	1827	1505	1276	1773	1481	1268
9	2339	1757	1400	1159	1682	1369	1149	1635	1348	1143
10	2194	1621	1279	1051	1556	1253	1043	1516	1236	1038

Zonal cavity method Effective floor reflectance = 20%

*Polar Plot*



*Zonal Lumen Summary*

ZONE	LUMENS	% LUMINAIRE
0-40	1769	41.7%
0-60	3123	73.6%
0-90	4243	100.0%
90-180	0	0.0%

*Average Luminance (cd/m2)*

ANGLE	ALONG	45	ACROSS
0	4128	4128	4128
45	3377	3770	4221
55	3015	3690	4461
65	2631	3839	5155
75	2168	4526	6673
85	1599	5300	6868

Spacing criteria: 0-180: 1.20; 90-270: 1.20

**Photometric Data**

**Luminaire Data ATA 2x2 20W 4000K**

Formed steel housing, frosted linear prismatic lens enclosure

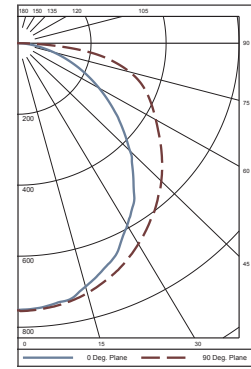
Catalog Number	<b>ATA22R2040U1</b>
Lab Test#	1183612
(#) Power Supply	(1) Constant Current 750mA
# LED	48 white LEDs
Color Temperature	4000K
Input Watts	19.30
Delivered Lumens	2282
Operating Life	91,000 hrs. (L70)
Fixture Efficacy	118.2 lm/W

*Utilization of Lumens - Zonal Cavity Method*

CC Wall	80				50			30		
RCR	70	50	30	10	50	30	10	50	30	10
0	2717	2717	2717	2717	2536	2536	2536	2428	2428	2428
1	2450	2327	2217	2118	2176	2093	2017	2085	2017	1954
2	2214	2009	1839	1696	1882	1750	1636	1805	1695	1598
3	2010	1753	1554	1395	1646	1488	1357	1582	1446	1332
4	1836	1548	1336	1174	1458	1285	1149	1403	1254	1133
5	1687	1380	1165	1007	1304	1126	990	1258	1101	978
6	1557	1241	1029	877	1177	998	864	1137	978	856
7	1443	1124	918	773	1069	893	764	1036	877	758
8	1343	1026	826	689	979	805	682	950	792	677
9	1255	941	749	619	901	732	614	876	721	610
10	1177	869	684	561	833	670	557	812	661	554

Zonal cavity method Effective floor reflectance = 20%

*Polar Plot*



*Zonal Lumen Summary*

ZONE	LUMENS	% LUMINAIRE
0-40	943	41.3%
0-60	1672	73.3%
0-90	2282	100.0%
90-180	0	0.0%

*Average Luminance (cd/m2)*

ANGLE	ALONG	45	ACROSS
0	2201	2201	2201
45	1796	2030	2271
55	1602	2002	2389
65	1410	2091	2750
75	1171	2448	3546
85	854	3143	4332

Spacing criteria: 0-180: 1.18; 90-270: 1.18

**Photometric Data**

**Luminaire Data ATA 2x2 30W 4000K**

Formed steel housing, frosted linear prismatic lens enclosure

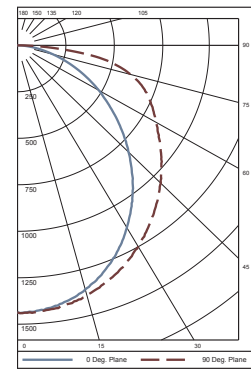
Catalog Number	<b>ATA22R3040U1</b>
Lab Test#	1183613
(#) Power Supply	(1) Constant Current 1400mA
# LED	96 white LEDs
Color Temperature	4000K
Input Watts	37.51
Delivered Lumens	4346
Operating Life	91,000 hrs. (L70)
Fixture Efficacy	115.9 lm/W

*Utilization of Lumens - Zonal Cavity Method*

CC Wall	80				50			30		
RCR	70	50	30	10	50	30	10	50	30	10
0	5173	5173	5173	5173	4829	4829	4829	4623	4623	4623
1	4667	4434	4225	4037	4146	3988	3844	3974	3844	3725
2	4216	3827	3504	3233	3585	3334	3117	3440	3229	3045
3	3829	3340	2961	2659	3137	2835	2586	3014	2756	2539
4	3498	2948	2546	2238	2777	2450	2190	2674	2389	2159
5	3213	2629	2221	1920	2485	2146	1886	2397	2099	1865
6	2966	2365	1961	1672	2242	1902	1648	2167	1864	1632
7	2749	2143	1750	1474	2038	1702	1457	1974	1671	1445
8	2559	1955	1575	1314	1865	1536	1300	1810	1511	1292
9	2391	1794	1428	1181	1717	1396	1171	1669	1375	1164
10	2243	1656	1305	1071	1589	1278	1063	1547	1260	1058

Zonal cavity method Effective floor reflectance = 20%

*Polar Plot*



*Zonal Lumen Summary*

ZONE	LUMENS	% LUMINAIRE
0-40	1801	41.4%
0-60	3185	73.3%
0-90	4346	100.0%
90-180	0	0.0%

*Average Luminance (cd/m2)*

ANGLE	ALONG	45	ACROSS
0	4209	4209	4209
45	3398	3842	4338
55	3051	3777	4582
65	2699	3961	5301
75	2230	4704	6856
85	1663	5676	7367

Spacing criteria: 0-180: 1.18; 90-270: 1.18

**Photometric Data**

**Luminaire Data ATA 2x4 30W 3500K**

Formed steel housing, frosted linear prismatic lens enclosure

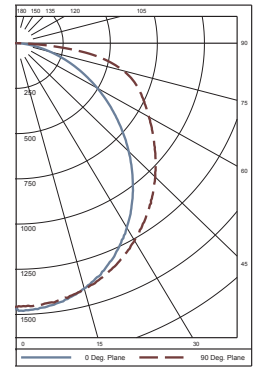
Catalog Number	<b>ATA24R3035U1</b>
Lab Test#	1183614
(#) Power Supply	(1) Constant Current 1400mA
# LED	96 white LEDs
Color Temperature	3500K
Input Watts	37.49
Delivered Lumens	4416
Operating Life	91,000 hrs. (L70)
Fixture Efficacy	117.8 lm/W

*Utilization of Lumens - Zonal Cavity Method*

CC Wall	80				50			30		
RCR	70	50	30	10	50	30	10	50	30	10
0	5258	5258	5258	5258	4907	4907	4907	4698	4698	4698
1	4743	4506	4294	4103	4214	4053	3906	4038	3907	3785
2	4286	3890	3563	3287	3645	3390	3170	3497	3283	3096
3	3893	3396	3011	2705	3190	2883	2631	3065	2803	2583
4	3557	2999	2590	2278	2825	2492	2229	2720	2431	2197
5	3267	2674	2260	1954	2528	2184	1920	2439	2136	1898
6	3016	2405	1996	1702	2281	1935	1678	2205	1897	1662
7	2796	2180	1781	1501	2074	1732	1483	2009	1701	1471
8	2603	1989	1603	1338	1898	1563	1324	1842	1538	1315
9	2432	1825	1454	1203	1747	1421	1193	1698	1400	1186
10	2281	1685	1328	1090	1617	1300	1082	1574	1283	1077

Zonal cavity method Effective floor reflectance = 20%

*Polar Plot*



*Zonal Lumen Summary*

ZONE	LUMENS	% LUMINAIRE
0-40	1835	41.5%
0-60	3242	73.4%
0-90	4416	100.0%
90-180	0	0.0%

*Average Luminance (cd/m2)*

ANGLE	ALONG	45	ACROSS
0	2094	2094	2094
45	1730	1923	2120
55	1550	1896	2221
65	1345	1981	2533
75	1088	2384	3274
85	720	3165	3370

Spacing criteria: 0-180: 1.18; 90-270: 1.18

**Photometric Data**

**Luminaire Data ATA 2x4 30W 3500K**

Formed steel housing, frosted linear prismatic lens enclosure

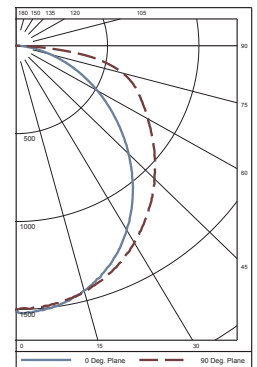
Catalog Number	<b>ATA24R3040U1</b>
Lab Test#	1183615
(#) Power Supply	(1) Constant Current 1400mA
# LED	96 white LEDs
Color Temperature	4000K
Input Watts	37.01
Delivered Lumens	4525
Operating Life	91,000 hrs. (L70)
Fixture Efficacy	122.3 lm/W

*Utilization of Lumens - Zonal Cavity Method*

CC Wall	80				50			30		
RCR	70	50	30	10	50	30	10	50	30	10
0	5387	5387	5387	5387	5028	5028	5028	4814	4814	4814
1	4862	4620	4404	4208	4320	4157	4007	4141	4007	3883
2	4394	3989	3655	3373	3738	3478	3253	3587	3369	3177
3	3991	3483	3090	2777	3272	2959	2701	3144	2877	2652
4	3647	3076	2658	2339	2898	2558	2288	2791	2495	2256
5	3351	2744	2320	2007	2594	2242	1972	2502	2193	1949
6	3093	2468	2049	1748	2341	1987	1723	2263	1948	1707
7	2867	2237	1828	1542	2128	1778	1523	2061	1746	1511
8	2669	2041	1646	1374	1948	1605	1360	1890	1579	1351
9	2494	1873	1493	1236	1793	1459	1225	1743	1438	1218
10	2339	1729	1363	1120	1659	1335	1112	1616	1317	1107

Zonal cavity method Effective floor reflectance = 20%

*Polar Plot*



*Zonal Lumen Summary*

ZONE	LUMENS	% LUMINAIRE
0-40	1886	41.7%
0-60	3330	73.6%
0-90	4525	100.0%
90-180	0	0.0%

*Average Luminance (cd/m2)*

ANGLE	ALONG	45	ACROSS
0	2153	2153	2153
45	1776	1972	2169
55	1593	1941	2270
65	1384	2021	2586
75	1122	2432	3346
85	737	3154	3259

Spacing criteria: 0-180: 1.18; 90-270: 1.18

**Photometric Data**

**Luminaire Data ATA 2x4 500W 3500K**

Formed steel housing, frosted linear prismatic lens enclosure

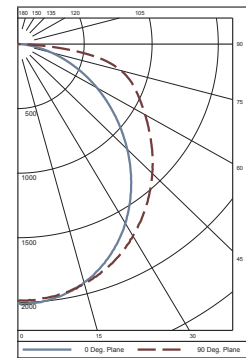
Catalog Number	<b>ATA24R5035U1</b>
Lab Test#	1183616
(#) Power Supply	(1) Constant Current 1400mA
# LED	96 white LEDs
Color Temperature	3500K
Input Watts	56.12
Delivered Lumens	5984
Operating Life	91,000 hrs. (L70)
Fixture Efficacy	106.6 lm/W

*Utilization of Lumens - Zonal Cavity Method*

CC Wall	80				50			30			
	RCR	70	50	30	10	50	30	10	50	30	10
0	7124	7124	7124	7124	6649	6649	6649	6366	6366	6366	6366
1	6430	6111	5825	5567	5715	5499	5300	5477	5300	5136	
2	5812	5278	4836	4464	4946	4602	4305	4746	4458	4205	
3	5280	4609	4090	3676	4330	3916	3575	4161	3808	3511	
4	4825	4071	3519	3097	3836	3387	3030	3694	3303	2987	
5	4434	3632	3072	2658	3434	2969	2612	3313	2903	2582	
6	4093	3267	2713	2316	3099	2631	2283	2996	2580	2261	
7	3794	2961	2421	2043	2818	2355	2019	2730	2313	2003	
8	3532	2702	2180	1821	2579	2126	1803	2503	2092	1791	
9	3301	2480	1978	1638	2374	1933	1624	2308	1905	1615	
10	3096	2289	1806	1485	2197	1769	1474	2140	1745	1467	

Zonal cavity method Effective floor reflectance = 20%

*Polar Plot*



*Zonal Lumen Summary*

ZONE	LUMENS	% LUMINAIRE
0-40	2501	41.8%
0-60	4409	73.7%
0-90	5984	100.0%
90-180	0	0.0%

*Average Luminance (cd/m²)*

ANGLE	ALONG	45	ACROSS
0	2855	2855	2855
45	2354	2608	2869
55	2110	2557	2994
65	1839	2658	3383
75	1489	3194	4413
85	967	4153	4399

Spacing criteria: 0-180: 1.20; 90-270: 1.20

**Photometric Data**

**Luminaire Data ATA 2x4 500W 4000K**

Formed steel housing, frosted linear prismatic lens enclosure

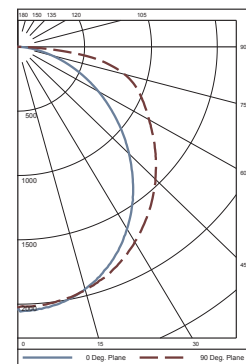
Catalog Number	<b>ATA24R5040U1</b>
Lab Test#	1183617
(#) Power Supply	(1) Constant Current 2100mA
# LED	96 white LEDs
Color Temperature	4000K
Input Watts	54.91
Delivered Lumens	6146
Operating Life	91,000 hrs. (L70)
Fixture Efficacy	111.9 lm/W

*Utilization of Lumens - Zonal Cavity Method*

CC Wall	80				50			30			
	RCR	70	50	30	10	50	30	10	50	30	10
0	7317	7317	7317	7317	6829	6829	6829	6538	6538	6538	
1	6599	6269	5973	5706	5861	5638	5433	5617	5434	5265	
2	5963	5411	4955	4571	5070	4715	4408	4864	4567	4305	
3	5415	4724	4188	3762	4437	4010	3658	4263	3899	3592	
4	4948	4171	3602	3167	3929	3466	3099	3783	3380	3055	
5	4546	3720	3143	2717	3516	3037	2670	3392	2970	2639	
6	4195	3346	2775	2366	3173	2691	2332	3067	2638	2310	
7	3889	3032	2476	2087	2884	2408	2062	2794	2365	2045	
8	3620	2766	2229	1859	2639	2173	1841	2561	2138	1828	
9	3383	2539	2022	1672	2429	1976	1658	2362	1946	1648	
10	3173	2343	1846	1516	2248	1808	1504	2189	1784	1497	

Zonal cavity method Effective floor reflectance = 20%

*Polar Plot*



*Zonal Lumen Summary*

ZONE	LUMENS	% LUMINAIRE
0-40	2550	41.5%
0-60	4509	73.4%
0-90	6146	100.0%
90-180	0	0.0%

*Average Luminance (cd/m²)*

ANGLE	ALONG	45	ACROSS
0	2908	2908	2908
45	2403	2674	2948
55	2156	2632	3092
65	1879	2743	3529
75	1526	3309	4578
85	997	4403	4786

Spacing criteria: 0-180: 1.20; 90-270: 1.20

**Photometric Data**

**Luminaire Data ATA 2x2 20W 5000K**

Formed steel housing, frosted linear prismatic lens enclosure

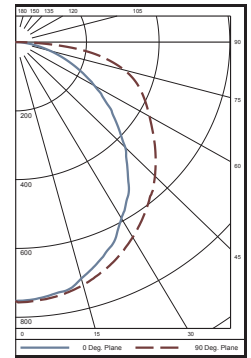
Catalog Number	<b>ATA22R2050U1</b>
Lab Test#	1190305
(#) Power Supply	(1) Constant Current 75 0mA
# LED	48 white LEDs
Color Temperature	5000K
Input Watts	19.25
Delivered Lumens	2288
Operating Life	91,000 hrs. (L70)
Fixture Efficacy	118.9 lm/W

*Utilization of Lumens - Zonal Cavity Method*

CC Wall	80				50				30			
RCR	70	50	30	10	50	30	10	50	30	10		
0	2724	2724	2724	2724	2543	2543	2543	2434	2434	2434		
1	2456	2333	2223	2124	2182	2098	2022	2091	2022	1959		
2	2219	2014	1844	1701	1886	1754	1640	1810	1699	1602		
3	2015	1757	1558	1399	1651	1491	1360	1586	1450	1336		
4	1841	1552	1339	1177	1462	1289	1152	1407	1257	1136		
5	1691	1383	1168	1010	1308	1129	992	1261	1104	981		
6	1561	1244	1032	879	1180	1000	867	1140	980	858		
7	1447	1127	920	775	1072	895	766	1039	879	760		
8	1347	1028	828	691	981	808	684	952	794	679		
9	1258	944	751	621	903	734	616	878	723	612		
10	1180	871	686	563	836	672	559	814	663	556		

Zonal cavity method Effective floor reflectance = 20%

*Polar Plot*



*Zonal Lumen Summary*

ZONE	LUMENS	% LUMINAIRE
0-40	946	41.3%
0-60	1676	73.3%
0-90	2288	100.0%
90-180	0	0.0%

*Average Luminance (cd/m<sup>2</sup>)*

ANGLE	ALONG	45	ACROSS
0	2205	2205	2205
45	1811	2035	2278
55	1609	2006	2395
65	1412	2095	2757
75	1170	2460	3556
85	843	3177	4381

Spacing criteria: 0-180: 1.18; 90-270: 1.18

**Photometric Data**

**Luminaire Data ATA 2x2 30W 5000K**

Formed steel housing, frosted linear prismatic lens enclosure

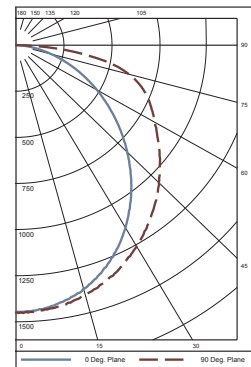
Catalog Number	<b>ATA22R3050U1</b>
Lab Test#	1190306
(#) Power Supply	(1) Constant Current 1400mA
# LED	96 white LEDs
Color Temperature	5000K
Input Watts	37.39
Delivered Lumens	4374
Operating Life	91,000 hrs. (L70)
Fixture Efficacy	117.0 lm/W

*Utilization of Lumens - Zonal Cavity Method*

CC Wall	80				50				30			
RCR	70	50	30	10	50	30	10	50	30	10		
0	5207	5207	5207	5207	4860	4860	4860	4653	4653	4653		
1	4700	4466	4257	4068	4176	4018	3873	4003	3873	3753		
2	4246	3855	3531	3259	3612	3360	3142	3466	3255	3069		
3	3856	3364	2984	2681	3160	2857	2607	3037	2778	2560		
4	3523	2970	2566	2257	2798	2469	2208	2694	2408	2177		
5	3236	2649	2238	1935	2504	2163	1902	2415	2115	1880		
6	2987	2382	1976	1685	2259	1916	1661	2184	1879	1646		
7	2768	2158	1763	1486	2053	1715	1468	1989	1684	1457		
8	2577	1969	1587	1324	1879	1547	1311	1824	1522	1302		
9	2408	1807	1439	1191	1730	1407	1180	1682	1386	1174		
10	2258	1668	1314	1079	1600	1287	1071	1559	1270	1066		

Zonal cavity method Effective floor reflectance = 20%

*Polar Plot*



*Zonal Lumen Summary*

ZONE	LUMENS	% LUMINAIRE
0-40	1815	41.5%
0-60	3212	73.4%
0-90	4374	100.0%
90-180	0	0.0%

*Average Luminance (cd/m<sup>2</sup>)*

ANGLE	ALONG	45	ACROSS
0	4242	4242	4242
45	3424	3884	4357
55	3084	3816	4613
65	2714	3990	5358
75	2248	4686	6899
85	1671	5430	7277

Spacing criteria: 0-180: 1.18; 90-270: 1.18

**Photometric Data**

**Luminaire Data ATA 2x4 30W 5000K**

Formed steel housing, frosted linear prismatic lens enclosure

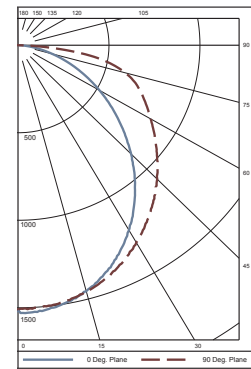
Catalog Number	<b>ATA24R3050U1</b>
Lab Test#	1190307
(#) Power Supply	(1) Constant Current 1400mA
# LED	96 white LEDs
Color Temperature	5000K
Input Watts	39.97
Delivered Lumens	4571
Operating Life	91,000 hrs. (L70)
Fixture Efficacy	123.6 lm/W

*Utilization of Lumens - Zonal Cavity Method*

CC Wall	80				50			30		
RCR	70	50	30	10	50	30	10	50	30	10
0	5442	5442	5442	5442	5079	5079	5079	4863	4863	4863
1	4910	4665	4446	4248	4362	4196	4044	4181	4045	3919
2	4437	4027	3688	3403	3773	3509	3282	3620	3399	3205
3	4030	3516	3118	2801	3302	2985	2724	3173	2902	2675
4	3682	3104	2681	2358	2925	2580	2307	2816	2517	2275
5	3382	2769	2340	2023	2617	2261	1988	2525	2211	1965
6	3122	2490	2066	1762	2362	2004	1737	2283	1964	1721
7	2894	2257	1843	1554	2147	1793	1535	2080	1761	1523
8	2694	2059	1659	1385	1965	1618	1371	1907	1592	1362
9	2518	1890	1505	1246	1809	1471	1235	1758	1449	1228
10	2361	1744	1375	1129	1674	1346	1121	1630	1328	1115

Zonal cavity method Effective floor reflectance = 20%

*Polar Plot*



*Zonal Lumen Summary*

ZONE	LUMENS	% LUMINAIRE
0-40	1900	41.6%
0-60	3357	73.4%
0-90	4571	100.0%
90-180	0	0.0%

*Average Luminance (cd/m2)*

ANGLE	ALONG	45	ACROSS
0	2166	2166	2166
45	1798	1991	2194
55	1606	1962	2292
65	1393	2047	2620
75	1122	2474	3384
85	738	3239	3369

Spacing criteria: 0-180: 1.20; 90-270: 1.20

**Photometric Data**

**Luminaire Data ATA 2x4 50W 5000K**

Formed steel housing, frosted linear prismatic lens enclosure

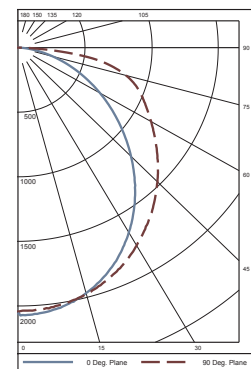
Catalog Number	<b>ATA24R5050U1</b>
Lab Test#	1190308
(#) Power Supply	(1) Constant Current 1400mA
# LED	96 white LEDs
Color Temperature	5000K
Input Watts	54.81
Delivered Lumens	6207
Operating Life	91,000 hrs. (L70)
Fixture Efficacy	113.2 lm/W

*Utilization of Lumens - Zonal Cavity Method*

CC Wall	80				50			30		
RCR	70	50	30	10	50	30	10	50	30	10
0	7390	7390	7390	7390	6897	6897	6897	6603	6603	6603
1	6665	6332	6034	5765	5921	5696	5489	5675	5490	5319
2	6023	5466	5006	4618	5121	4763	4453	4914	4613	4350
3	5470	4771	4231	3800	4482	4051	3696	4306	3938	3629
4	4998	4213	3639	3200	3969	3501	3130	3821	3415	3086
5	4591	3757	3175	2745	3551	3068	2697	3426	3000	2666
6	4237	3379	2803	2390	3205	2718	2356	3098	2665	2334
7	3928	3062	2501	2108	2913	2432	2082	2822	2389	2066
8	3657	2794	2251	1878	2666	2195	1859	2587	2159	1847
9	3417	2564	2042	1689	2454	1996	1674	2386	1966	1665
10	3204	2366	1865	1531	2271	1826	1519	2211	1801	1512

Zonal cavity method Effective floor reflectance = 20%

*Polar Plot*



*Zonal Lumen Summary*

ZONE	LUMENS	% LUMINAIRE
0-40	2576	41.5%
0-60	4555	73.4%
0-90	6207	100.0%
90-180	0	0.0%

*Average Luminance (cd/m2)*

ANGLE	ALONG	45	ACROSS
0	2932	2932	2932
45	2434	2702	2980
55	2184	2663	3123
65	1904	2774	3554
75	1547	3346	4614
85	1003	4384	4700

Spacing criteria: 0-180: 1.20; 90-270: 1.20