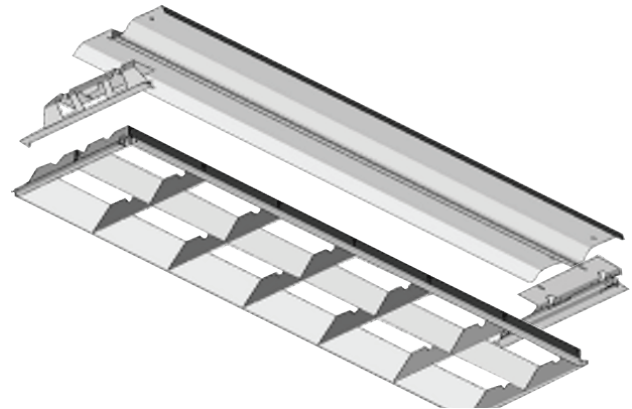


Features

- Energy saving lighting solution to help increase even light distribution and efficiency of old luminaires
- Transforms existing parabolic or prismatic luminaires into attractive, yet effective lighting systems
- Ideal for use in commercial, school, government, office or retail buildings. Is designed for use in any compatible 2'x 4' recessed fixture with a minimum depth of 3 1/4"
- Helps to meet or exceed energy regulation standards such as LEED, California Title 24, and others
- Assembled in the USA



Electrical Components

- All ballasts and lamp holders are UL and CSA listed. Ballasts are Class P Thermally Protected, Type 1 Outdoor, Class A Sound Rated
- Suitable for damp locations
- Lamps and ballasts warranted through their respective manufacturer
- Quick Disconnect
- All kit components are UL Classified to US and Canadian safety standards

Construction

- The louver frame and center support are constructed of steel that has been treated with a highly reflective powder coated finish
- The cross-braces are built from a highly reflective powder coated aluminum and have a ribbed finish to help increase its aesthetic appeal
- The socket bars, made from steel, are treated with a powder coat finish
- The reflectors, made of steel or aluminum, have been treated with a highly reflective gloss
- The latches are equipped with a positive locking system to prevent premature door opening
- The hinges are reinforced to increase strength

Ordering Options

Example: AWLR-24232-IL-1-L3035

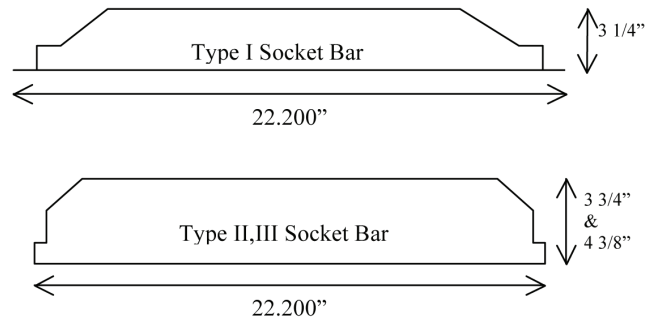
Kit	Dimension/Watts	Ballast Type (120v-277v or Custom)	Socket Bar Type	Lamp				
				Wattage	Color			
AWLR	2'X 4' (2-Lamp) 24232	IS, High-Efficiency, Low BF (.78)	IL	1 < 3 1/4"	32W	L32	5000K	50
		IS, High-Efficiency, Normal BF (.88)	IN	2 < 3 3/4"	30W	L30	4100K	41
		IS, High-Efficiency, High BF (≥1.15)	IH	3 < 4 3/8"	28W	L28	3500K	35
		Programmed Start, Low BF (.71)	PL	5 < 5 1/4"	Custom	CU		
		Programmed Start, Normal BF (.88)	PN					
		Programmed Start, High BF (≥1.15)	PH					
		Custom	CU					

Accessories

4x4 Adaptor Kit 4K

Dimension Requirements

Existing fixture must have a minimum internal height of at least 3 1/4" to be compatible with the type I kit. The type II kit requires a minimum internal height of 3 3/4". The type III kit requires a minimum internal height of 4 3/8". The type V requires a minimum internal height of 5 1/4".

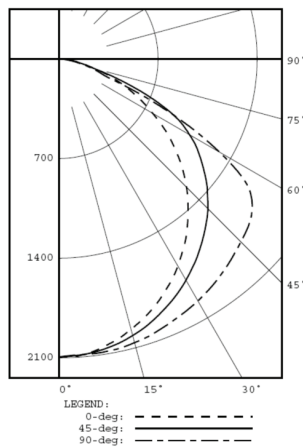


A sample installation is recommended prior to ordering large quantities.

System	Input Wattage	Mean Lumens	Lumens/Watt	Energy Savings vs.	
				3: F34T12	4: F34T12
4:F34T12 STD Magnetic Ballast 2 @ 68% LER Parabolic	164	5,455	57	--	Baseline
3:F34T12 STD Magnetic Ballast @ 68% LER Parabolic	123	4,091	57	Baseline	--
4:F32T8/741 QTP ISN @ 68% LER Parabolic	112	6,031	94	--	32%
3:F32T8/741 QTP ISN @ 68% LER Parabolic	86	4,522	92	30%	47%
2:FO32/XPS QHE ISH @ 85.5% LER AWLR	74	6,076	97	40%	55%
2:FO32/XPS QHE ISN @ 85.5% LER AWLR	55	4,384	96	55%	66%

Photometrics

AWLR2217-IN-2- L1441, ITL Report No. 61632, FO17T8/841K/XPS/ECO 1400 Lumens



Fixture Efficiency: 85.5%

Candela Distribution Summary	Effective Floor Cavity Reflectance 20%		
	0°	45°	90°
0°	802	802	802
5°	794	797	802
15°	749	768	790
25°	677	714	761
35°	584	641	730
45°	469	556	693
55°	341	453	628
65°	210	303	307
75°	96	94	83
85°	23	22	15
90°	0	0	0

Coefficients of Utilization	Effective Floor Cavity Reflectance 20%											
	Pcc	80			70			50				
		Pw	70	50	30	10	70	50	30	10	50	30
0	97	97	97	97	95	95	95	95	91	91	91	91
1	89	86	82	80	87	84	81	78	80	78	76	76
2	82	75	70	65	79	74	69	64	71	66	63	63
3	74	66	59	54	72	65	59	54	62	57	53	53
4	68	58	51	46	66	57	51	46	55	49	45	45
5	62	52	45	39	61	51	44	39	49	43	39	39
6	58	47	39	34	56	46	39	34	45	38	34	34
7	53	42	35	30	52	42	35	30	40	34	30	30
8	50	39	32	27	48	38	31	27	37	31	27	27
9	46	35	29	24	45	35	28	24	34	28	24	24
10	43	33	26	22	42	32	26	22	31	26	22	22

Zonal Lumen Summary			
Zone	Lumens	% Lamp	%Fixture
0-30°	624	22.3	27.3
0-40°	1031	36.8	45.0
0-60°	1889	67.4	82.5
0-90°	2289	81.8	100.0

Luminance Data in Candela/Sq. M			
	Avg 0°	Avg 45°	Avg 90°
45°	2283	2707	3374
55°	2047	2719	3769
65°	1711	2468	2501
75°	1277	1250	1104
85°	909	869	593