

AEI's ALLURE HIGH-BAY AHBK Series LED with highest efficiency LED Boards are perfect for warehouse, production, manufacturing manufacturing, distribution centers & other high-bay applications. The AHBK Series features exclusive scalability to enable perimeter area, task and heavily populated floor designs to be configured to avoid obstructions and maximize energy & maintenance savings.

ALLURE HIGH-BAY AHBK Series

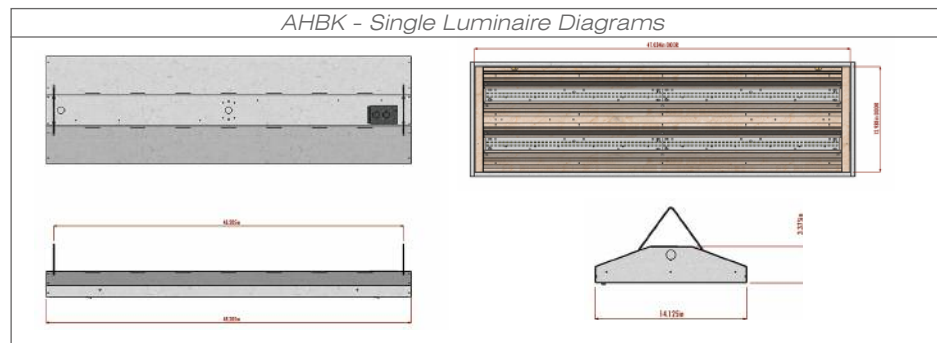
with HIGHEST EFFICIENT LED BOARDS for WAREHOUSE, PRODUCTION & MANUFACTURING



AHBK Single Luminaire



AHBK - Single Luminaire Diagrams



FEATURES

- Highest Efficiency Linear LEDs
- Made in the U.S.A.
- High lumen LED output with multiple lumen output options
- Available in multiple colors and finishes
- Hinged access allows for easy access to driver
- Rated for a wide range of operating temperatures from:
 - 40° C to 55° C, -40° F to 131° F
- 10-Year warranty on all fixture components

ELECTRICAL

- Universal input voltage 120-277 VAC, with an option for 347-480VAC
- Integral LED driver features 0-10 Volt dimming available
- Integrated occupancy and daylighting control options offer additional savings without wiring. Consult AEI for your best option.

LIGHT ENGINES

- Highest Efficiency Linear LED strips (3000K, 3500K, 4000K & 5000K) provide consistent color, high CRI & superb lumen maintenance
- L70 lifetime of >60,000 hours when operating within specified temperatures
- AHBK Lumen/Watt:
 - 12L=12,700 lumens @ 80W
 - 14L=14,712 lumens @ 100W
 - 18L=18,000 lumens @ 120W
 - 21L=21,278 lumens @ 140W
 - 23L=23,000 lumens @ 160W
 - 25L=25,400 lumens @ 180W
- Custom wattages available from 90W to 760W
- Light output packages available range from 4,400 to over 27,000. Contact AEI for details.

FINISH

- Pre-coated aluminum housing standard
- Optional finishes for unique applications are available. Contact AEI or your sales representative.

HOUSING & LENS

- Made in the U.S.A. & IP55 Rated
- Unique, heavy-duty all-aluminum, low-profile housing for years of trouble-free and worry-free illumination
- Fewer mounting and feed points reduces installation costs & increases design flexibility
- Variety of lens options available

APPLICATIONS

- Warehouses and Distribution Centers
- Production and Processing Centers
- Manufacturing Facilities
- All High- & Low-Bay Applications



AEI LIGHTING

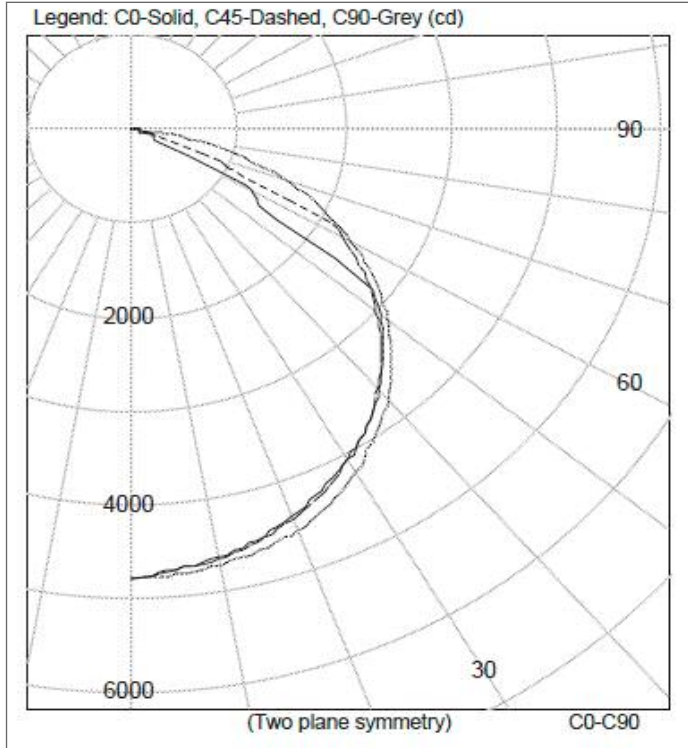
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PHOTOMETRY

Photometry AHBK 12L - Candela Distribution Polar Plot



AHBK 12L Intensity Summary

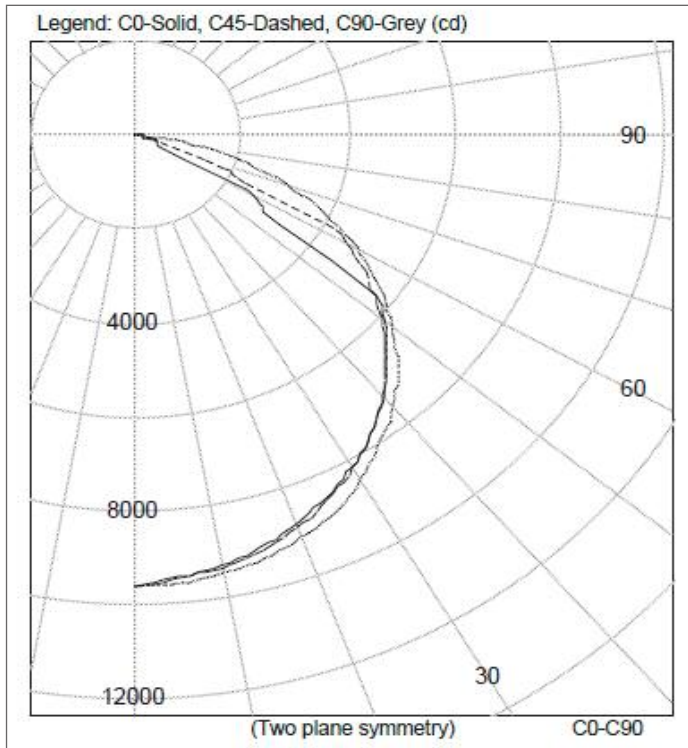
Gamma	C-Plane					Flux (lm)
	C0	C22.5	C45	C67.5	C90	
0.0	4791	4791	4791	4791	4791	
5.0	4699	4694	4709	4749	4766	449
10.0	4633	4635	4658	4661	4723	
15.0	4524	4527	4556	4588	4650	1289
20.0	4390	4395	4424	4473	4545	
25.0	4233	4236	4262	4317	4408	1976
30.0	4058	4055	4073	4119	4218	
35.0	3858	3854	3858	3868	3987	2425
40.0	3622	3620	3598	3600	3752	
45.0	3349	3350	3306	3311	3465	2578
50.0	3044	3046	3004	2962	3136	
55.0	1690	2698	2658	2618	2782	2226
60.0	1283	1278	1278	1224	2386	
65.0	229	229	1038	1816	1954	1203
70.0	215	210	227	1388	1488	
75.0	182	183	166	685	1006	444
80.0	119	122	127	100	552	
85.0	39	43	52	61	182	79
90.0	0	0	0	0	0	

AHBK 12L Zonal Flux

ZONAL FLUX AND PERCENTAGES			
Zone	Flux (lm)	% Lamp	% Luminaire
0-30	3714	N/A	29.3
0-40	6139	N/A	48.5
0-60	10943	N/A	86.4
0-90	12669	N/A	100.0
40-90	6530	N/A	51.5
60-90	1726	N/A	13.6
90-180	0	N/A	0.0
0-180	12669	N/A	100.0

Total Light Output = 12,669 lm

Photometry AHBK 25L - Candela Distribution Polar Plot



AHBK 25L Intensity Summary

Gamma	C-Plane					Flux (lm)
	C0	C22.5	C45	C67.5	C90	
0.0	9632	9632	9632	9632	9632	
5.0	9436	9432	9452	9544	9582	902
10.0	9308	9322	9365	9360	9495	
15.0	9088	9104	9158	9219	9346	2591
20.0	8816	8834	8894	8995	9136	
25.0	8500	8514	8567	8680	8861	3971
30.0	8148	8151	8186	8283	8479	
35.0	7747	7747	7749	7777	8018	4874
40.0	7274	7277	7228	7235	7542	
45.0	6726	6734	6646	6653	6966	5181
50.0	6115	6123	6039	5954	6304	
55.0	3271	5418	5347	5263	5594	4465
60.0	2583	2577	4582	4474	4800	
65.0	462	461	2090	3652	3929	2405
70.0	433	423	425	2794	2988	
75.0	366	368	334	1317	2016	890
80.0	238	246	254	201	1103	
85.0	78	86	103	121	364	157
90.0	0	0	0	0	0	

AHBK 25L Zonal Flux

ZONAL FLUX AND PERCENTAGES			
Zone	Flux (lm)	% Lamp	% Luminaire
0-30	7464	N/A	29.3
0-40	12338	N/A	48.5
0-60	21985	N/A	86.4
0-90	25437	N/A	100.0
40-90	13098	N/A	51.5
60-90	3452	N/A	13.6
90-180	0	N/A	0.0
0-180	25437	N/A	100.0

Total Light Output = 25,437 lm

AEI LED ALLURE HIGH-BAY AHBK

FOR WAREHOUSE & MANUFACTURING



AEI LIGHTING

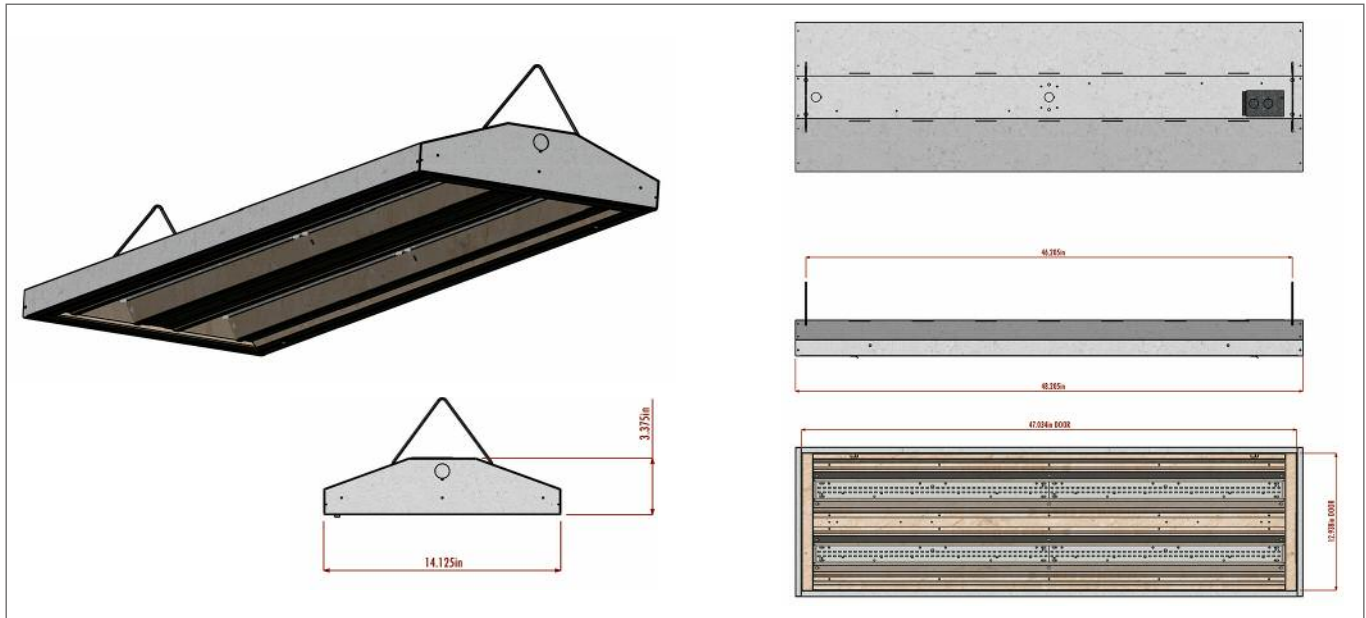
ALLURE HIGH-BAY AHBK Series



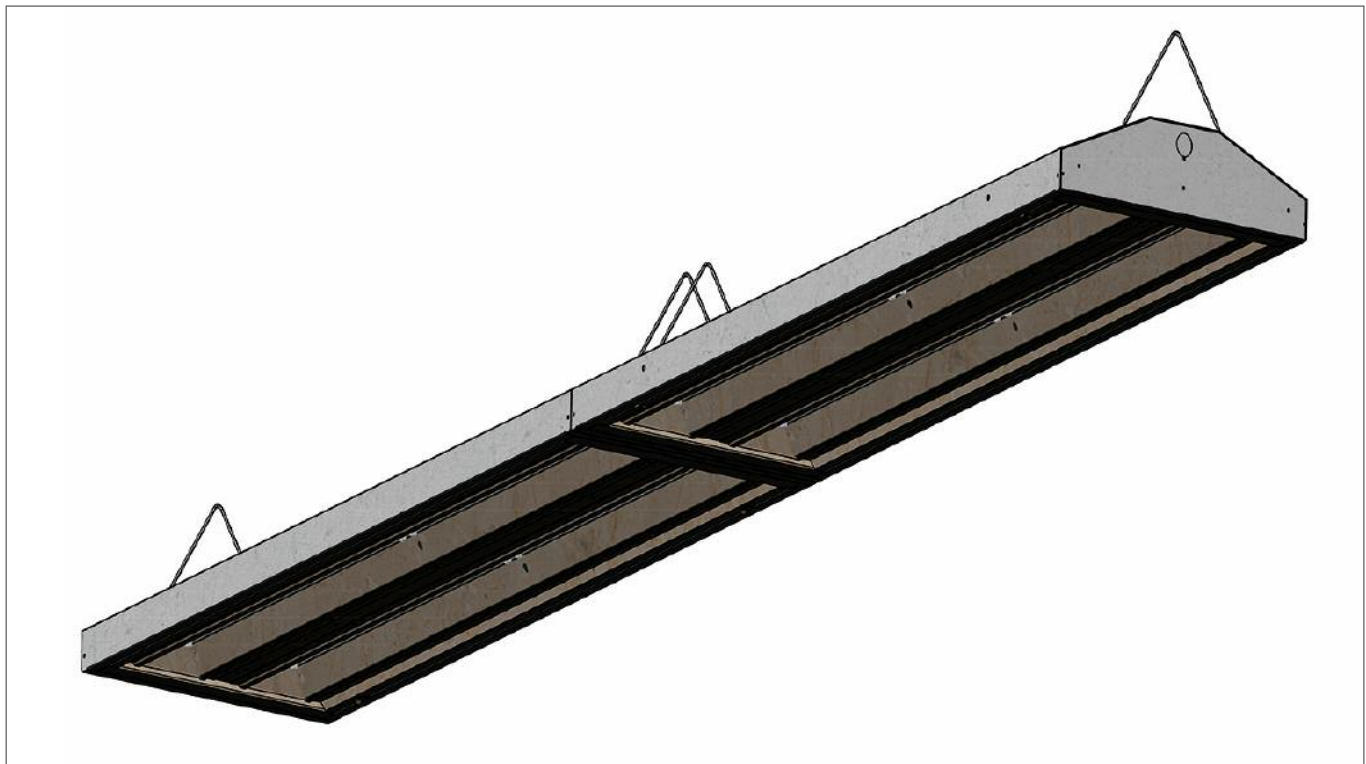
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DIAGRAMS - SINGLE & TANDEM

AHBK - SINGLE LUMINAIRE



AHBK - T2E



AEI LED ALLURE HIGH-BAY AHBK

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AEI LIGHTING

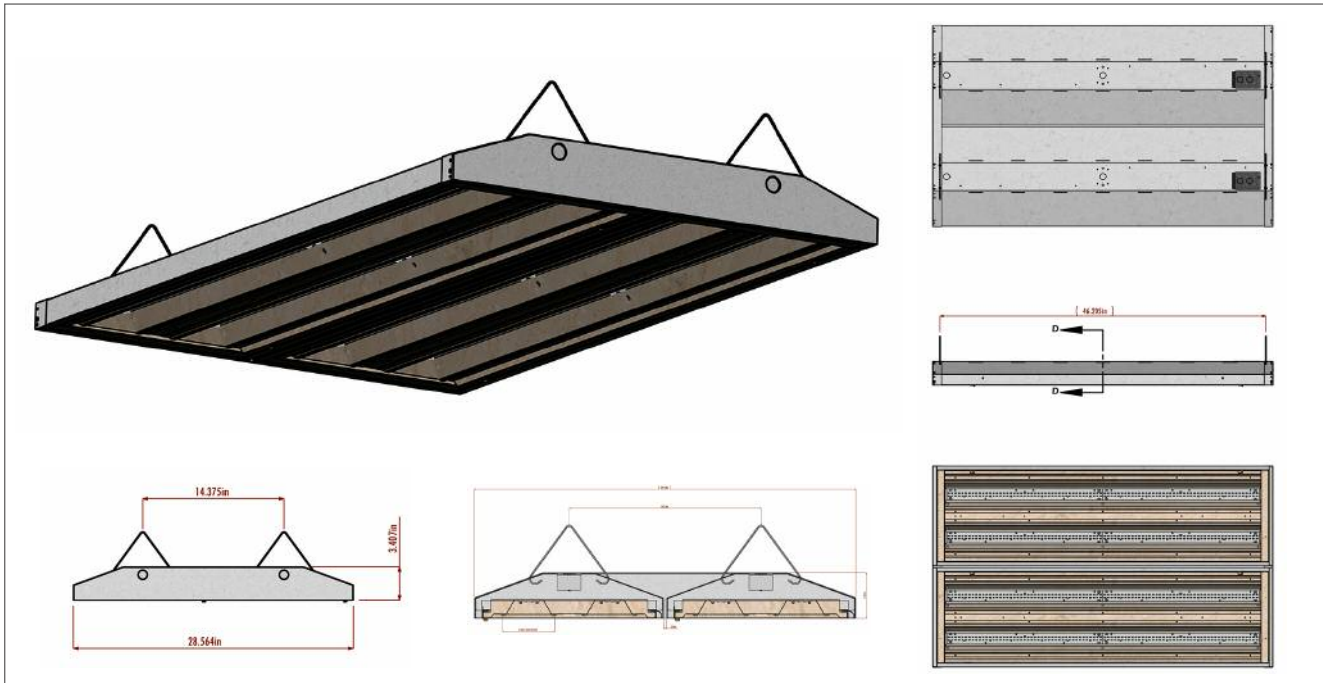
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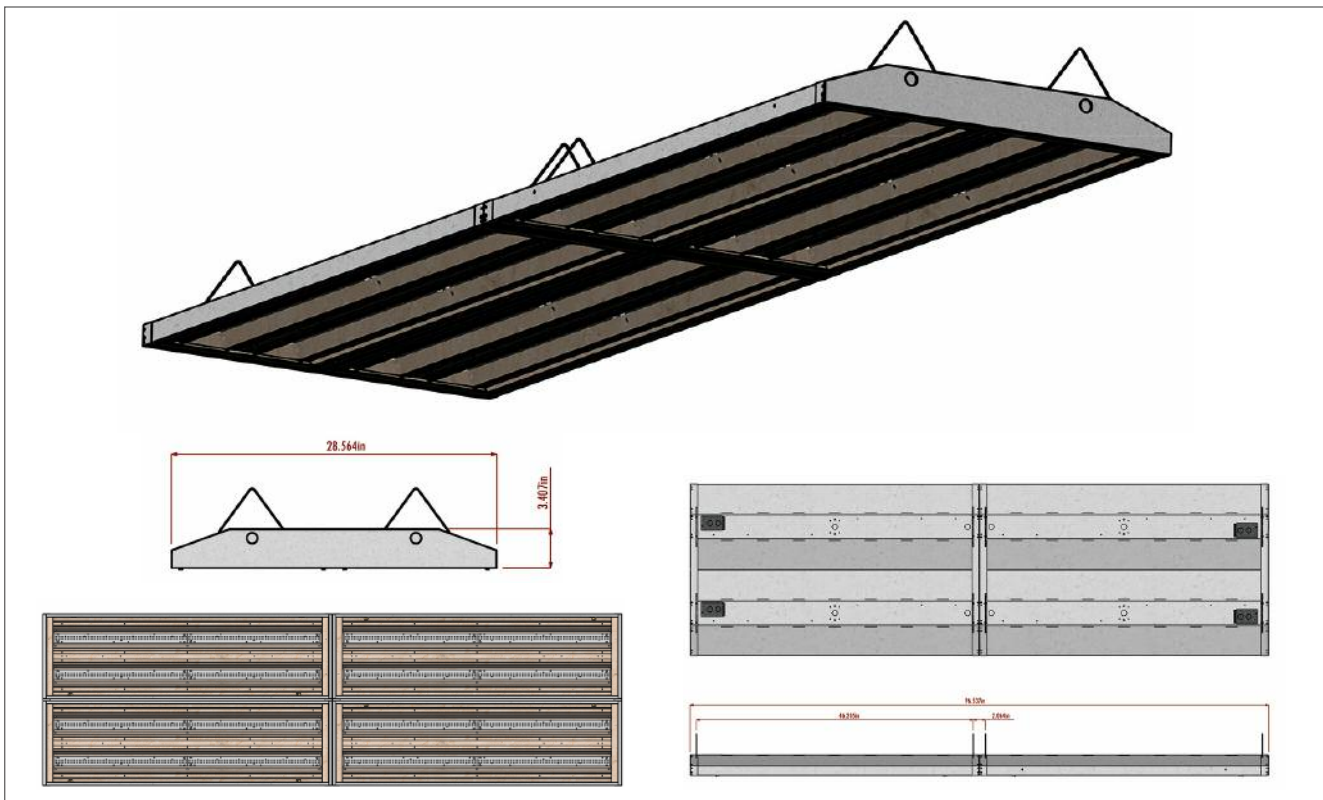


DIAGRAMS - TANDEM

AHBK - T2S



AHBK - T4X



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AEI LIGHTING

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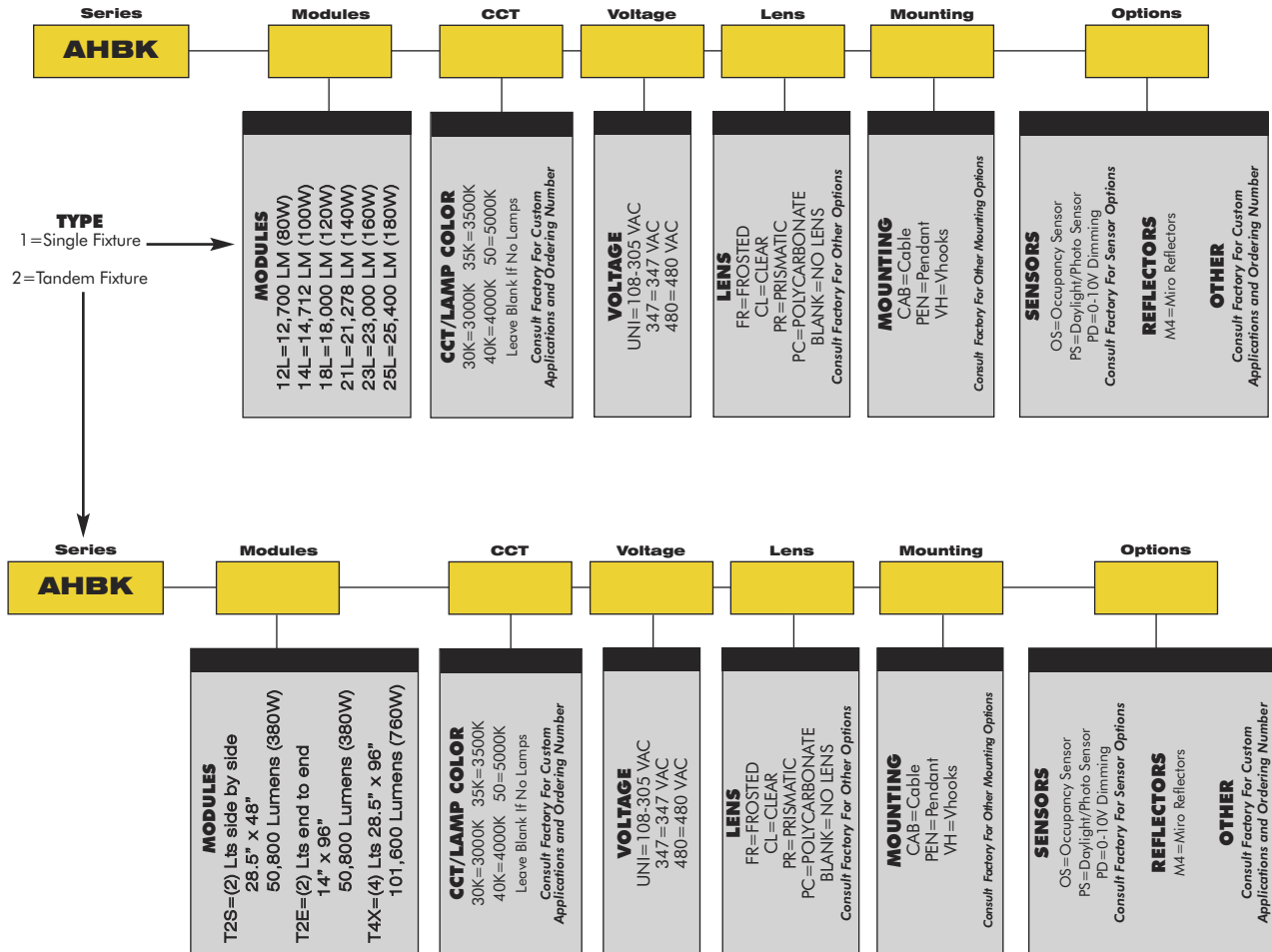
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AEI LED ALLURE HIGH-BAY AHBK

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ORDERING GUIDE



TYPE
 1=Single Fixture
 2=Tandem Fixture

CONSULT AEI
 For Special Colors,
 Sensors & Other Options
**Minimum Order
 Quantities & Longer
 Lead Times Apply**

**10-YEAR
 LIMITED WARRANTY**
 VISIT AEILighting.com for Details
 480-733-6594

