



# AEI LED 2x2 HiGrid Series



The AEI HiGrid Series features high bay lighting performance perfect for racquetball courts, gyms, retail environments and high-grid ceilings.

Available in multiple wattages and color temperatures.

JOB NAME

JOB NUMBER

DATE

## SPECIFICATIONS

### BASIC FACTS

- Made In The U.S.A.
- Unique, heavy-duty aluminum housing for trouble-free illumination
- Superior heat dissipation to ensure unparalleled lumen maintenance and long usable life
- Multiple lens options available
- Wattage Range: 80W & 135W
- Lumens: 80W=8,800lm 135W=13,600lm
- L70 lifetime of >115,000 hours when operating within specified temperatures
- Voltage Range: 120 - 277 VAC with 347 & 480 optional
- Integral sensors for daylight and/or occupancy available
- CCT: Available in 3500K, 4000K & 5100K color temperatures
- Operating Temperature: -40°C to 55°C
- Integral LED Driver features 0-10v dimming, surge protection and selectable drive currents to tune your lighting requirements and save on energy (on select models)
- Warranty: 10-Year Limited Warranty. Visit AEILighting.com for details

### APPLICATION INFO

- All Grid Ceilings
- Racquetball Courts
- Retail Environments
- Gymnasiums

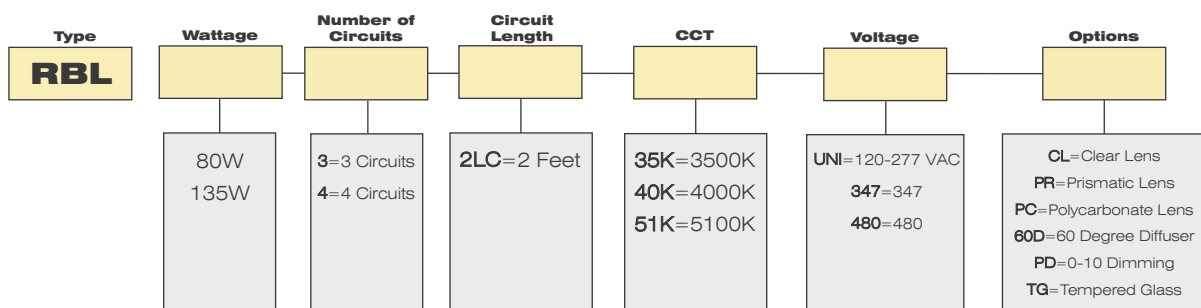
All AEI Linear LED light engines provide the user with a choice of color temperatures with consistent color and excellent lumen maintenance. The linear array of LEDs are uniquely oriented to provide even lighting patterns for high bay general area lighting applications. Optional finishes available for unique applications -- please consult your sales representative for details.

### CERTIFICATIONS



## ORDERING GUIDE

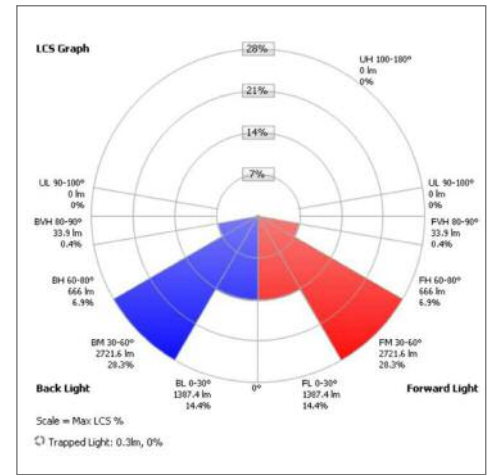
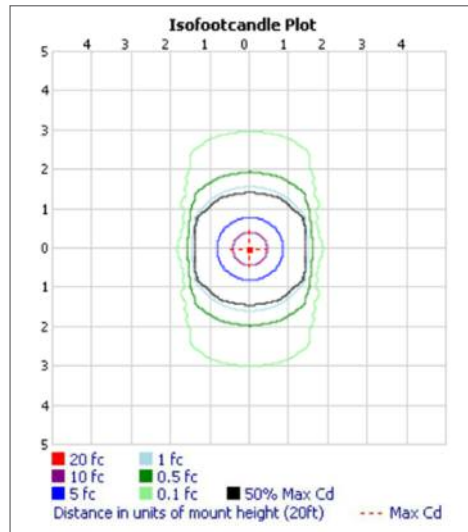
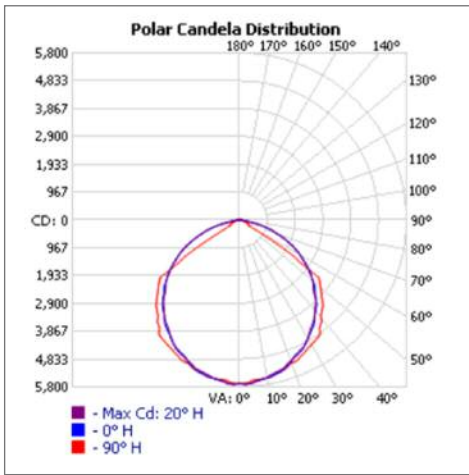
Ordering Example: **RBL-80W-4-4LC-50K-UNI-TG**





# AEI LED 2x2 HiGrid Series

Photometry for 80W RBL



### ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LUMINAIRE
0-30	2,774.3	28.8%
0-40	4,578.5	47.6%
0-60	8,217.9	85.4%
60-90	1,400.1	14.6%
70-100	381.1	4%
90-120	0	0%
0-90	9,618.0	100%
90-180	0	0%
0-180	9,618.0	100%

### LUMENS PER ZONE

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	336.1	3.5%	90-100	0	0%
10-20	967.9	10.1%	100-110	0	0%
20-30	1,470.3	15.3%	110-120	0	0%
30-40	1,804.2	18.8%	120-130	0	0%
40-50	1,912.6	19.9%	130-140	0	0%
50-60	1,726.7	18.0%	140-150	0	0%
60-70	1,019.0	10.6%	150-160	0	0%
70-80	313.3	3.3%	160-170	0	0%
80-90	67.8	0.7%	170-180	0	0%

### ROADWAY SUMMARY

DISTRIBUTION:		TYPE VS	
MAX CD, 90 DEG VERT:		0	
MAX CD, 80 TO <90 DEG:		285.1	
		LUMENS	% LAMP
DOWNWARD STREET SIDE:		4,808.8	50%
DOWNWARD HOUSE SIDE:		4,808.8	50%
DOWNWARD TOTAL:		9,617.7	100%
UPWARD STREET SIDE:		0	0%
UPWARD HOUSE SIDE:		0	0%
UPWARD TOTAL:		0	0%
TOTAL LUMENS:		9,617.7	100%

### LCS TABLE

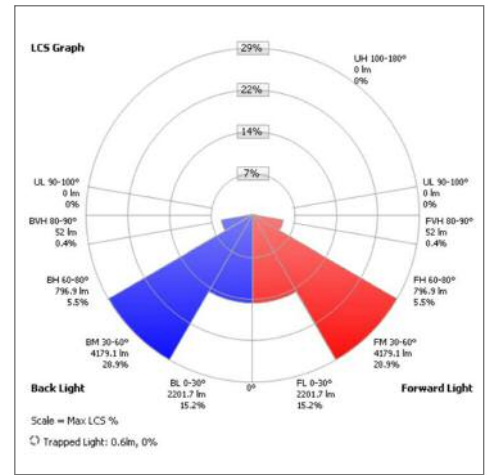
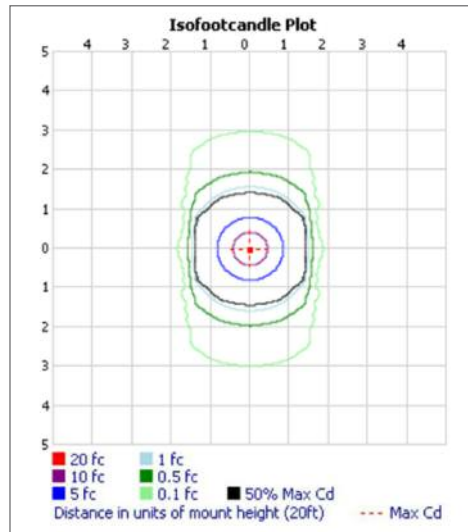
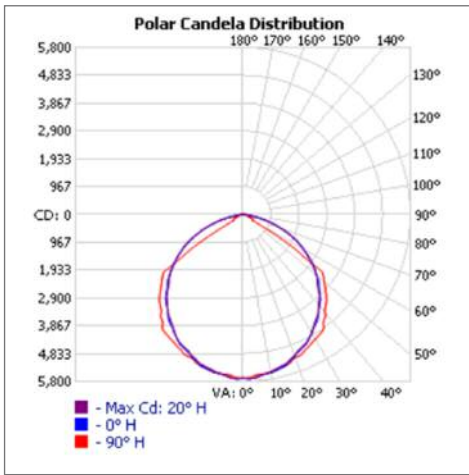
BUG RATING	B3 - U0 - G1	
FORWARD LIGHT	LUMENS	LUMENS %
LOW(0-30):	1,387.4	14.4%
MEDIUM(30-60):	2,721.6	28.3%
HIGH(60-80):	666.0	6.9%
VERY HIGH(80-90):	33.9	0.4%
BACK LIGHT		
LOW(0-30):	1,387.4	14.4%
MEDIUM(30-60):	2,721.6	28.3%
HIGH(60-80):	666.0	6.9%
VERY HIGH(80-90):	33.9	0.4%
UPLIGHT		
LOW(90-100):	0	0%
HIGH(100-180):	0	0%
TRAPPED LIGHT:	0.3	0%





# AEI LED 2x2 HiGrid Series

Photometry for 135W RBL



### ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LUMINAIRE
0-30	4,402.6	30.4%
0-40	7,259.5	50.2%
0-60	12,761.6	88.3%
60-90	1,698.5	11.7%
70-100	537.6	3.7%
90-120	0	0%
0-90	14,460.1	100%
90-180	0	0%
0-180	14,460.1	100%

### LUMENS PER ZONE

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	535.1	3.7%	90-100	0	0%
10-20	1,534.6	10.6%	100-110	0	0%
20-30	2,332.9	16.1%	110-120	0	0%
30-40	2,856.9	19.8%	120-130	0	0%
40-50	2,980.5	20.6%	130-140	0	0%
50-60	2,521.5	17.4%	140-150	0	0%
60-70	1,160.9	8.0%	150-160	0	0%
70-80	433.6	3.0%	160-170	0	0%
80-90	104.1	0.7%	170-180	0	0%

### ROADWAY SUMMARY

DISTRIBUTION:	TYPE VS
MAX CD, 90 DEG VERT:	0
MAX CD, 80 TO <90 DEG:	431.5
LUMENS	% LAMP
DOWNWARD STREET SIDE:	7,229.7 50%
DOWNWARD HOUSE SIDE:	7,229.7 50%
DOWNWARD TOTAL:	14,459.4 100%
UPWARD STREET SIDE:	0 0%
UPWARD HOUSE SIDE:	0 0%
UPWARD TOTAL:	0 0%
TOTAL LUMENS:	14,459.4 100%

### LCS TABLE

BUG RATING	B3 - U0 - G1
FORWARD LIGHT	LUMENS LUMENS %
LOW(0-30):	2,201.7 15.2%
MEDIUM(30-60):	4,179.1 28.9%
HIGH(60-80):	796.9 5.5%
VERY HIGH(80-90):	52.0 0.4%
BACK LIGHT	LUMENS LUMENS %
LOW(0-30):	2,201.7 15.2%
MEDIUM(30-60):	4,179.1 28.9%
HIGH(60-80):	796.9 5.5%
VERY HIGH(80-90):	52.0 0.4%
UPLIGHT	LUMENS LUMENS %
LOW(90-100):	0 0%
HIGH(100-180):	0 0%
TRAPPED LIGHT:	0.6 0%

