

## Typical E-Cobra LED Replacements for HID Area and Street Lighting.

HID	System Watts	Light Levels	Suggested LED Replacement	System Watts	Lumen Output (Type 2,3,4) (4000k)	% Savings
50 HPS	65	HIGH	EC1-4M2-530	28	3,050	57%
	65	MED	EC1-4M2-350	20	2,250	69%
70 HPS	95	HIGH	EC4-4M2-700	36	3,850	62%
	95	MED	EC1-4M2-530	28	3,050	71%
	95	LOW	EC1-4M2-350	20	2,250	79%
100 HPS	130	HIGH	EC1-6M2-700	54	5,750	58%
	130	MED	EC1-6M2-530	41	4,600	68%
	130	LOW	EC1-4M2-700	36	3,850	72%
150 HPS	190	HIGH	EC3-12M2-700	107	11,250	44%
	190	MED	EC3-12M2-530	83	8,800	56%
	190	LOW	EC3-10M2-530	63	7,300	67%
200 HPS	240	HIGH	EC4-15M2-700	124	14,250	48%
	240	MED	EC3-12M2-700	107	11,250	55%
	240	LOW	EC3-10M2-700	87	9,350	64%
250 HPS	295	HIGH	EC4-18M2-700	160	16,550	46%
	295	MED	EC4-15M2-700	124	14,250	58%
	295	LOW	EC3-12M2-700	107	11,250	64%
310 HPS	365	HIGH	EC7-24M2-700	209	22,550	43%
	365	MED	EC7-20M2-700	177	18,400	52%
	365	LOW	EC4-15M2-700	124	14,250	66%
400 HPS	465	HIGH	EC9-30M2-700	262	28,300	44%
	465	MED	EC9-30M2-530	202	23,500	57%
	465	LOW	EC7-20M2-700	177	18,400	62%
400+ HPS	465	HIGH	EC9-30M2-700	262	28,300	44%
	465	MED	EC9-30M2-530	202	23,500	57%
	465	LOW	EC7-20M2-700	177	18,400	62%
100 MV	129	HIGH	EC1-4M2-530	28	3,050	78%
	129	MED	EC1-4M2-350	20	2,250	84%
	129	LOW	N/A			
175 MV	198	HIGH	EC1-4M2-1A	54	5,050	73%
	198	MED	EC1-4M2-700	36	3,850	82%
	198	LOW	EC1-4M2-530	28	3,050	86%
250 MV	295	HIGH	EC3-10M2-530	63	7,300	79%
	295	MED	EC1-6M2-700	54	5,750	82%
	295	LOW	EC1-6M2-530	41	4,600	86%
400 MV	465	HIGH	EC4-15M2-700	124	14,250	73%
	465	MED	EC3-12M2-700	107	11,250	77%
	465	LOW	EC3-10M2-700	87	9,350	81%
175 MH	193	HIGH	EC3-10M2-530	63	7,300	67%
	193	MED	EC1-6M2-700	54	5,750	72%
	193	LOW	EC1-4M2-1A	54	5,050	72%
250 MH	275	HIGH	EC4-15M2-700	124	14,250	55%
	275	MED	EC3-10M2-700	87	9,350	68%
	275	LOW	EC3-10M2-530	63	7,300	77%
400 MH	440	HIGH	EC7-24M2-700	209	22,550	53%
	440	MED	EC7-20M2-700	177	18,400	60%
	440	LOW	EC7-18M2-700	160	16,550	64%
1000MH	1100	HIGH	N/A	N/A	N/A	N/A
	1100	MED	N/A	N/A	N/A	N/A
	1100	LOW	EC9-30M2-700	261	28,300	76%

### NOTES:

This chart only represents luminaires that are typically selected for retrofitting HID street lights.

When multiple products are listed, the first product has lower cost and the second one higher performance

Leotek recommends that users consult their local Representative for selection of the best luminaire based on the specific design criteria and application characteristics.

**Low level** products are typically selected for applications where somewhat reduced luminance values may be acceptable.

**Medium level** products are generally found to provide visibility that is comparable to the HID being replaced.

**High level** products are normally specified when required to meet or exceed current luminance values or when highly conservative light loss factors are being applied.