

Typical GreenCobra® 4000K (40K)/5000K (50K) LED Replacements for HID Street Lighting

HID	System Watts	Light Levels	Suggested LED Replacement (Catalog numbers are not complete. Refer to Notes section at bottom of page)	System Watts	Lumen Output (4000k)	% Savings
50 HPS		HIGH	GCJ1-30J-MV-40K-X-CC-025	17	2669	74%
		MED	GCJ1-30J-MV-40K-X-CC-025	17	2669	74%
		LOW	GCJ1-30J-MV-40K-X-CC-025	17	2669	74%
70 HPS		HIGH	GCJ1-30J-MV-40K-X-CC-045	27	4299	72%
		MED	GCJ1-30J-MV-40K-X-CC-045	27	4299	72%
		LOW	GCJ1-30J-MV-40K-X-CC-025	17	2669	82%
100 HPS		HIGH	GCJ2-30J-MV-40K-X-CC-060	37	5883	72%
		MED	GCJ1-30J-MV-40K-X-CC-050	30	4830	77%
		LOW	GCJ1-30J-MV-40K-X-CC-045	27	4299	79%
150 HPS		HIGH	GCM1-60J-MV-40K-X-CC-105	65	10525	66%
		MED	GCJ3-30J-MV-40K-X-CC-090	64	9216	66%
		LOW	GCJ3-30J-MV-40K-X-CC-075	49	7256	74%
200 HPS		HIGH	GCM2-60J-MV-40K-X-CC-140	89	13884	63%
		MED	GCM1-60J-MV-40K-X-CC-115	72	11574	70%
		LOW	GCJ3-30J-MV-40K-X-CC-090	64	9216	73%
250 HPS	295	HIGH	GCM3-60J-MV-40K-X-CC-170	111	16872	62%
		MED	GCM2-60J-MV-40K-X-CC-140	89	13946	70%
		LOW	GCM1-60J-MV-40K-X-CC-115	72	11574	76%
310 HPS	365	HIGH	GCL1-80J-MV-40K-X-CC-220	146	22216	60%
		MED	GCM3-60J-MV-40K-X-CC-185	123	18327	66%
		LOW	GCM2-60J-MV-40K-X-CC-155	100	15400	73%
400+ HPS	465	HIGH	GCL2-80J-MV-40K-X-CC-295	206	29252	56%
		MED	GCL1-80J-MV-40K-X-CC-255	171	25504	63%
		LOW	GCM3-60J-MV-40K-X-CC-190	133	19072	71%
100 MV	129	HIGH	GCJ1-30J-MV-40K-X-CC-025	17	2669	87%
		MED	GCJ1-30J-MV-40K-X-CC-025	17	2669	87%
		LOW	GCJ1-30J-MV-40K-X-CC-025	17	2669	87%
175 MV	198	HIGH	GCJ1-30J-MV-40K-X-CC-050	30	4830	85%
		MED	GCJ1-30J-MV-40K-X-CC-045	27	4299	86%
		LOW	GCJ1-30J-MV-40K-X-CC-045	27	4299	86%
250 MV	295	HIGH	GCJ2-30J-MV-40K-X-CC-070	44	6864	85%
		MED	GCJ1-30J-MV-40K-X-CC-055	34	5532	88%
		LOW	GCJ1-30J-MV-40K-X-CC-045	27	4299	91%
400 MV	465	HIGH	GCM2-60J-MV-40K-X-CC-140	89	13884	81%
		MED	GCM1-60J-MV-40K-X-CC-115	72	11574	85%
		LOW	GCJ3-30J-MV-40K-X-CC-090	64	9216	86%

- NOTES:**
- Replace “X” with the desired distribution type. Refer to web site for available distribution types.
 - Replace “CC” with desired Color Code: GY: Gray, DB: Dark Bronze, BK: Black
 - This chart only represents luminaires that are typically selected for retrofitting HID street lights.
 - Color temperature is 4000K (40K)/5000K (50K). Other color temperatures are available. Refer to the appropriate Cross-Over sheet.
 - Leotek recommends that you consult your local Representative for the most appropriate luminaire for your application.
 - **Low level** products are typically selected for applications where somewhat reduced luminance values may be acceptable.
 - **Medium level** products generally 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.