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Typical GreenCobra LED Replacements for HID Street Lighting (4000K (NW) & 5000K* (CW)).

Disclaimer: Many variables factor into a luminaire replacement decision including existing HPS luminaire output, maintenance schedules, and IES recommended practice. The chart provided here should only be used as a general reference. You should consult your lighting professional for the most appropriate luminaire for your specific application.

HID	System Watts	Light Levels	Suggested LED Replacement <i>(Catalog numbers are not complete. Refer to Notes section at bottom of page)</i>	System Watts	Lumen Output (4000K & 5000K)	% Savings
50 HPS	65	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	95	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	130	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	190	HIGH	GCJ4-30J-MV-40K-X-CC-110	70	10936	63%
		MED	GCJ3-30J-MV-40K-X-CC-090	64	9216	66%
		LOW	GCJ3-30J-MV-40K-X-CC-075	49	7256	74%
200 HPS	240	HIGH	GCJ4-30J-MV-40K-X-CC-140	100	14332	58%
		MED	GCJ4-30J-MV-40K-X-CC-120	80	12150	67%
		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	GCJ4-30J-MV-40K-X-CC-140	100	14332	66%
		LOW	GCJ4-30J-MV-40K-X-CC-120	80	12150	73%
310 HPS	365	HIGH	GCM4-60J-MV-40K-X-CC-220	140	21933	62%
		MED	GCM3-60J-MV-40K-X-CC-185	123	18327	66%
		LOW	GCM2-60J-MV-40K-X-CC-140	89	13884	76%
400 HPS	465	HIGH	GCL2-80J-MV-40K-X-CC-295	206	29252	56%
		MED	GCM4-60J-MV-40K-X-CC-245	165	24710	65%
		LOW	GCM3-60J-MV-40K-X-CC-190	133	19072	71%
400+ HPS	465	HIGH	GCL3-80J-MV-40K-X-CC-305	215	30761	54%
		MED	GCL2-80J-MV-40K-X-CC-250	173	25229	63%
		LOW	GCL1-80J-MV-40K-X-CC-205	132	20350	72%
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: 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 (NW). 2700K & 3000K are on separate sheets. For 5000K replace "40K" with "50K"
 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 are generally found to provide visibility that is approximately comparable to the HID being replaced.
High level products are normally specified when required to meet or exceed current luminance values or when very conservative light loss factors are being applied.