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Typical GreenCobra LED Replacements for HID Street Lighting (2700K).

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 (2700K)	% Savings
50 HPS	65	High	GCJ1-30J-MV-27K-X-CC-035	26	3692	60%
		MED	GCJ1-30J-MV-27K-X-CC-025	17	2397	74%
		LOW	GCJ1-30J-MV-27K-X-CC-025	17	2397	74%
70 HPS	95	HIGH	GCJ1-30J-MV-27K-X-CC-035	26	3692	73%
		MED	GCJ1-30J-MV-27K-X-CC-035	26	3692	73%
		LOW	GCJ1-30J-MV-27K-X-CC-025	17	2397	82%
100 HPS	130	HIGH	GCJ1-30J-MV-27K-X-CC-060	44	6229	66%
		MED	GCJ1-30J-MV-27K-X-CC-045	34	4742	74%
		LOW	GCJ1-30J-MV-27K-X-CC-040	30	4140	77%
150 HPS	190	HIGH	GCJ4-30J-MV-27K-X-CC-110	80	11062	58%
		MED	GCJ2-30J-MV-27K-X-CC-090	67	8813	65%
		LOW	GCJ2-30J-MV-27K-X-CC-075	54	7398	72%
200 HPS	240	HIGH	GCJ4-30J-MV-27K-X-CC-130	100	13063	58%
		MED	GCJ4-30J-MV-27K-X-CC-120	87	11813	64%
		LOW	GCJ4-30J-MV-27K-X-CC-100	70	9937	71%
250 HPS	295	HIGH	Contact Factory			
		MED	Contact Factory			
		LOW	Contact Factory			
310 HPS	365	HIGH	Contact Factory			
		MED	Contact Factory			
		LOW	Contact Factory			
400+ HPS	465	HIGH	Contact Factory			
		MED	Contact Factory			
		LOW	Contact Factory			
100 MV	129	HIGH	GCJ1-30J-MV-27K-X-CC-025	17	2397	87%
		MED	GCJ1-30J-MV-27K-X-CC-025	17	2397	87%
		LOW	GCJ1-30J-MV-27K-X-CC-025	17	2397	87%
175 MV	198	HIGH	GCJ1-30J-MV-27K-X-CC-045	34	4742	83%
		MED	GCJ1-30J-MV-27K-X-CC-040	30	4140	85%
		LOW	GCJ1-30J-MV-27K-X-CC-035	26	3692	87%
250 MV	295	HIGH	GCJ3-30J-MV-27K-X-CC-065	49	6734	83%
		MED	GCJ2-30J-MV-27K-X-CC-050	37	5291	87%
		LOW	GCJ1-30J-MV-27K-X-CC-040	30	4140	90%
400 MV	465	HIGH	GCJ4-30J-MV-27K-X-CC-130	100	13063	78%
		MED	GCJ4-30J-MV-27K-X-CC-120	87	11813	81%
		LOW	GCJ3-30J-MV-27K-X-CC-090	67	8813	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 3000K (CW). 4000K (NW) and 5000K (CW) available. NW & CW have higher lumen output.

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 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.