



# LED Fixtures

## City of Los Angeles Department of Public Works Bureau of Street Lighting



**Bold is the latest approved from each manufacturer**

These products have been tested and approved by the Energy Efficiency Division. This chart will be updated as new technology becomes available. It is recommended that designers use the lowest wattage that meets lighting criteria. *Italicized numbers are aesthetic options and are optional. Locked .ies files should be used for final design purposes. The fact that approved LED luminaires are grouped together as HPS equivalent does not make them "equal" and any substitutions to the plan material list must be demonstrated to meet IES requirements and be approved by the project engineer.*

**\*LARGER AND SMALLER SIZES AVAILABLE, DESIGNER SHOULD DETERMINE WHAT SIZE/COLOR IS APPROPRIATE FOR PARTICULAR DESIGN**

**\*\* SEE IES FOLDER FOR APPROVED DRAWING**

**Δ APPROVED IES FILE GENERATED BY INDEPENDENT LIGHTING LAB**

**DOUBLE UNDERLINES INDICATE AS BUY AMERICA COMPLIANCE**

Local Streets: Type II	3,000 - 4,000 lumen (70W & 100W HPS)	<u>Leotek GreenCobra GCJ1 30J@420mA*</u>	GCJ1-30J-MV-30K-2R-GY-040-PCR7-CR**	27 W**
		SolarMax SMX*Δ	SMX-27WiE-NV-LL5-PH-3070-T302-P-10-FA @ #2	27 W
		<u>EOI SLx3-S</u>	ESU-FA012P01630S	28 W
		<u>GE Evolve ERLC Δ</u>	ERLC-0-04-B5-30-A-GRAY-LV1	28 W
		<u>Leotek GreenCobra GCJ1 20H@450mA*(superseded)</u>	GCJ1-20H-MV-WW-2R-GY-450-PCR7-CR**	29 W**
		<u>Cree XSPR - HO (HIGH OUTPUT) @ DIAL #4</u>	BXSPR-HO-HT-3ME-60W-30K-UL-SV-N-Q4	33 W
		<u>Leotek GreenCobra 20F (superseded)Δ</u>	GC1-20F-MV-WW-2-GY-530-PCR7-CR	35 W
		<u>Leotek GreenCobra 30E (superseded)</u>	GC1-30E-MV-NW-2-GY-350-PCR7	36 W
Collector Streets: Type II	6,000 - 7,000 lumen (150W HPS)	Philips Roadfocus RFS @ DIAL #4	RFS-54W16LED3K-T-R2M-UNIV-DMG-FAWS-RCD7-GY3	38 W
		<u>Leotek GreenCobra GCJ1 30J@530mA*</u>	GCJ1-30J-MV-30K-2R-GY-050-PCR7-CR**	34 W**
		<u>GE Evolve ERLC Δ</u>	ERLC-0-05-B5-30-A-GRAY-LV1	36 W
		<u>Cree Traveyo TRVMD Δ</u>	TRVMD-A-HT-2ME-8L-30K7-UL-GY-N-20KV-W10-Q5	40 W
		Truly Green Solutions RWL2*Δ	RWL2-S-70-30-U-P7S-2-G-FS-SP20-FF-LA @ Gear 6	40 W
		<u>Cree XSPSM 8L @ Dial #6</u>	XSPSM-D-HT-3ME-8L-30K7-UL-SV-N-Q6	60 W
		Philips Roadfocus RFM @ DIAL #5	RFM-72W32LED3K-T-R2M-UNIV-DMG-FAWS-RCD7-GY3	54 W
		<u>Leotek GreenCobra GCJ2 20H@900mA*(superseded)</u>	GCJ2-20H-MV-WW-2R-GY-900-PCR7-CR**	58 W**
		<u>Cree XSPR - HO (HIGH OUTPUT) @ DIAL #6</u>	BXSPR-HO-HT-3ME-60W-30K-UL-SV-N-Q6	43 W
		<u>Cree XSP1 - HO (HIGH OUTPUT) @ DIAL #5</u>	BXSP1-HO-HT-2ME-100W-30K-UL-SV-N-Q5	61W

Major Streets: Type III	7,500 - 9,000 lumen (200W HPS)	SolarMax SMX* <b>Δ</b> <u>Cree Traveyo TRVMD Δ</u> <u>Leotek GreenCobra GCM1 60J@480mA*</u> <u>GE Evolve ERL1 Δ</u> Truly Green Solutions RWL2* <b>Δ</b> <u>Cree XSPR - HO (HIGH OUTPUT) @ DIAL #9</u> <u>Cree XSPSM 8L @ DIAL #9</u> <u>Cree XSPLG 18L @ DIAL #1</u> <u>Leotek GreenCobra 30H@700mA*(superseded)</u>	SMX-52WiE-NV-LL5-00-3070-T302-P-10-FA @ #5 TRVMD-A-HT-3ME-8L-30K7-UL-GY-N-20KV-W10-Q9 GCM1-60J-MV-30K-3R-GY-090-PCR7-CR** ERL1-0-08-C5-30-A-GRAY-L-V1 RWL2-S-70-30-U-P7S-3-G-FS-SP20-FF-LA @ Gear 9 BXSPR-HO-HT-3ME-60W-30K-UL-SV-N-Q9 XSPSM-D-HT-3ME-8L-30K7-UL-SV-N-Q9 XSPLG-D-HT-3ME-18L-30K7-UL-SV-N-Q1 GCM2-30H-MV-WW-3R-GY-700-PCR7-CR**	52 W 57 W 59 W** 59 W 60 W 60 W 70 W 70 W 68 W**
	9,000 - 10,000 lumen (250W HPS)	<u>Leotek GreenCobra GCM1 60J@530mA*</u> <u>GE Evolve ERL1 Δ</u> SolarMax SMX* <b>Δ</b> <u>Cree XSPLG 18L @ DIAL #2</u> <u>Leotek GreenCobra 40H @ 700mA*(superseded)</u> <u>Cree XSP1 - HO (HIGH OUTPUT) @ DIAL #9</u>	GCM1-60J-MV-30K-3R-GY-100-PCR7-CR** ERL1-0-09-C5-30-A-GRAY-L-V1 SMX-68WiE-NV-LL5-00-3070-T302-P-10-FA @ #4 XSPLG-D-HT-3ME-18L-30K7-UL-SV-N-Q2 GCM2-40H-MV-WW-3R-GY-700-PCR7-CR** BXSP1-HO-HT-3ME-100W-30K-UL-SV-N-Q9	65 W** 68 W 68 W 80 W 88 W** 99 W
	10,500 - 12,000 lumen (310W HPS)	<u>Leotek GreenCobra GCM1 60J@650mA*</u> SolarMax SMX* <b>Δ</b> <u>Cree XSPLG 18L @ DIAL #3</u> <u>Leotek GreenCobra 40H @ 850mA*(superseded)</u> <u>Cree XSP2L @ O (mid-block) (superseded)Δ</u> <u>Cree XSP2 - HO (HIGH OUTPUT) @ DIAL #7</u>	GCM1-60J-MV-30K-3R-GY-120-PCR7-CR** SMX-81WiE-NV-LL5-00-3070-T302-P-10-FA @ #3 XSPLG-D-HT-3ME-18L-30K7-UL-SV-N-Q3 GCM2-40H-MV-WW-3R-GY-850-PCR7-CR** BXSP9180&-O BXSPA03HO - USQR-7PIN-30K BXSP2-HO-HT-3ME-165W-30K-UL-SV-N-Q7	80 W** 81 W 90 W 107 W** 114 W 131 W
	13,000 - 16,000 lumen (400W HPS)	SolarMax SMX* <b>Δ</b> <u>Leotek GreenCobra GCM3 60J@900mA*</u> <u>Cree XSPLG 18L Cobrahead @ DIAL #6</u> <u>Leotek GreenCobra 40H @ 950mA*(superseded)</u> <u>Leotek GreenCobra 90F@530mA*(superseded)Δ</u> <u>Cree XSP2 - HO (HIGH OUTPUT) @ DIAL #9</u> <u>Cree XSP2L @ L (mid-block) (superseded)Δ</u>	SMX-105WiE-NV-LL5-00-3070-T302-P-10-FA @ #2 GCM3-60J-MV-30K-3R-GY-160-PCR7-CR** XSPLG-D-HT-3ME-18L-30K7-UL-SV-N-Q6 GCM2-40H-MV-WW-3R-GY-950-PCR7-CR** GC2-90F-MV-WW-3-GY-530-PCR7-CR** BXSP2-HO-HT-3ME-165W-30K-UL-SV-N-Q9 BXSP9180&-L BXSPA03HL - USQR-7PIN-30K	105 W 111 W** 120 W** 121 W** 150 W** 165 W 168 W
	Over 16,000 lumen (400W HPS+)	SolarMax SMX* <b>Δ</b> <u>Leotek GreenKingCobra 120F@700mA*Δ</u> Hadco RX 160 American Electric 80B @1000mA	SMX-134WiE-NV-LL5-00-3070-T302-P-10-FA @ #1 GC2-120F-MV-WW-3-GY-700-PCR7-CR** RX2160I3NA5RNAN P7-30K ATB2 80BLEDE10 MVOLT R3 3K P7	134 W 260 W** 275 W 284 W

TEMPORARY EMERGENCY COBRAHEADS	3,000 - 4,000 lumen (70W & 100W HPS)	<u>Cuesta Sol (Solar All in One) Δ</u> *** <i>Only for locations that have experienced wire theft</i> ***	CS-SIE-2731-25-4500-II-30K-G	25 W
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