

# 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. The HPS equivalent size is based on similar roadway illumination levels. The nominal value of the HPS equivalent only represents the lamp size and not the total power consumed. It is recommended that designers use the lowest wattage that meets lighting criteria.

Locked .ies files should be used for final design purposes. **\*DIFFERENT CURRENTS AVAILABLE, DESIGNER TO DETERMINE APPROPRIATE LUMEN OUTPUT . \*\*SEE LED PHOTOMETRIC IES FOLDER FOR CATALOG NUMBER AND POWER.**  
**DOUBLE UNDERLINES INDICATE AS BUY AMERICA COMPLIANCE.**

|                               |   | Approved Luminaires                           | Catalog Number                              | Power         |
|-------------------------------|---|---|---|---------------|
| Local Streets:<br>Type II     | 3,000 - 4,000 lumen (70W & 100W HPS)            | <u>EOI SLx3-S</u>                             | ESU-FA012P01630S                            | 28W           |
|                               |   | <u>Leotek GreenCobra GCJ1 20H@450mA*</u>      | <b>GCJ1-20H-MV-WW-2R-GY-450-PCR7-CR**</b>   | <b>29 W**</b> |
|                               |   | <u>Cree XSPR - HO (HIGH OUTPUT) @ DIAL #4</u> | BXSPR-HO-HT-3ME-60W-30K-UL-SV-N-Q4          | 33 W          |
|                               |   | Philips Roadfocus RFS @ DIAL #4               | RFS-54W16LED3K-T-R2M-UNIV-DMG-FAWS-RCD7-GY3 | 38 W          |
|                               |   | <u>Leotek GreenCobra 20F</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Leotek GreenCobra 30E (superseded)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          |
|                               |   | <u>Leotek GreenCobra Jr 20G (superseded)</u>  | GCJ1-20G-MV-WW-2-GY-580-PCR7-CR             | 38 W          |
| Collector Streets:<br>Type II | 6,000 - 7,000 lumen (150W HPS)                  | <u>Leotek GreenCobra GCJ2 20H@900mA*</u>      | <b>GCJ2-20H-MV-WW-2R-GY-900-PCR7-CR**</b>   | <b>58 W**</b> |
|                               |   | <u>Cree XSPSM 8L @ Dial #6</u>                | XSPSM-D-HT-3ME-8L-30K7-UL-SV-N-Q6           | 60W           |
|                               |   | Philips Roadfocus RFM @ DIAL #5               | RFM-72W32LED3K-T-R2M-UNIV-DMG-FAWS-RCD7-GY3 | 54 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           |
|                               |   | <u>Cree XSP2 @ E (mid-block) (superseded)</u> | BXSP9147LAŞ-E BXSPA03HE - USQR-7PIN-30K     | 64 W          |
|                               |   | <u>Leotek GreenCobra 30F@700mA*</u>           | <b>GC1-30F-MV-WW-2-GY-700-PCR7-CR**</b>     | <b>70 W**</b> |
|                               |   | <u>Leotek GreenCobra 40E (superseded)</u>     | GC1-40E-MV-NW-2-GY-700-PCR7                 | 95 W          |
|                               | <u>Leotek GreenCobra 40E W/DCM (superseded)</u> | GC1-40E-MV-NW-2-GY-700-PCR7DCM                | 95 W  |               |

## Major Streets: Type III

|                                    |  |  |         |
|------------------------------------|--|--|---------|
| 7,500 - 9,000 lumen (200W HPS)     | <u>Leotek GreenCobra 30H@700mA*</u>            | GCM2-30H-MV-WW-3R-GY-700-PCR7-CR**       | 68 W**  |
|                                    | <u>Cree XSPSM 8L @ DIAL #9</u>                 | XSPSM-D-HT-3ME-8L-30K7-UL-SV-N-Q9        | 70 W    |
|                                    | <u>Cree XSPLG 18L @ DIAL #1</u>                | XSPLG-D-HT-3ME-18L-30K7-UL-SV-N-Q1       | 70 W    |
|                                    | <u>Cree XSPR - HO (HIGH OUTPUT) @ DIAL #9</u>  | BXSPR-HO-HT-3ME-60W-30K-UL-SV-N-Q9       | 60 W    |
|                                    | <u>Cree XSP1 - HO (HIGH OUTPUT) @ DIAL #7</u>  | BXSP1-HO-HT-3ME-100W-30K-UL-SV-N-Q7      | 79W     |
|                                    | American Electric 40B @ 700mA                  | ATB2 40BLEDE70 MVOLT R3 P7-30K           | 94 W    |
|                                    | <u>Cree XSP2 @ C (mid-block) (superseded)</u>  | BXSP9147LA\$-C BXSPA03HC - USQR-7PIN-30K | 82W     |
| 9,000 - 10,000 lumen (250W HPS)    | <u>Cree XSPLG 18L @ DIAL #2</u>                | XSPLG-D-HT-3ME-18L-30K7-UL-SV-N-Q2       | 80 W    |
|                                    | <u>Leotek GreenCobra 40H@ 700mA*</u>           | GCM2-40H-MV-WW-3R-GY-700-PCR7-CR**       | 88 W**  |
|                                    | <u>Cree XSP1 - HO (HIGH OUTPUT) @ DIAL #9</u>  | BXSP1-HO-HT-3ME-100W-30K-UL-SV-N-Q9      | 99W     |
|                                    | <u>Cree XSP2 @ A (mid-block) (superseded)</u>  | BXSP9147LA\$-A BXSPA03HA - USQR-7PIN-30K | 101W    |
|                                    | <u>Leotek GreenCobra 90E (superseded)</u>      | GC2-90E-MV-NW-3-GY-530-PCR7              | 159 W   |
| 10,500 - 12,000 lumen (310W HPS)   | <u>Cree XSPLG 18L @ DIAL #3</u>                | XSPLG-D-HT-3ME-18L-30K7-UL-SV-N-Q3       | 90W     |
|                                    | <u>Leotek GreenCobra 40H @ 850mA*</u>          | GCM2-40H-MV-WW-3R-GY-850-PCR7-CR**       | 107W**  |
|                                    | <u>Cree XSP2 - HO (HIGH OUTPUT) @ DIAL #7</u>  | BXSP2-HO-HT-3ME-165W-30K-UL-SV-N-Q7      | 131W    |
|                                    | <u>Cree XSP2L @ O (mid-block) (superseded)</u> | BXSP9180&-O BXSPA03HO - USQR-7PIN-30K    | 114W    |
|                                    | <u>Leotek GreenCobra 100E (superseded)</u>     | GC2-100E-MV-NW-3-GY-530-PCR7             | 175 W   |
| 13,000 - 16,000 lumen (400W HPS)   | <u>Cree XSPLG 18L Cobrahead @ DIAL #6</u>      | XSPLG-D-HT-3ME-18L-30K7-UL-SV-N-Q6       | 120W    |
|                                    | <u>Leotek GreenCobra 40H @ 950mA</u>           | GCM2-40H-MV-WW-3R-GY-950-PCR7-CR**       | 121W**  |
|                                    | <u>Cree XSP2 - HO (HIGH OUTPUT) @ DIAL #9</u>  | BXSP2-HO-HT-3ME-165W-30K-UL-SV-N-Q9      | 165W    |
|                                    | <u>Leotek GreenCobra 90F@530mA*</u>            | GC2-90F-MV-WW-3-GY-530-PCR7-CR**         | 150W**  |
|                                    | <u>Cree XSP2L @ L (mid-block) (superseded)</u> | BXSP9180&-L BXSPA03HL - USQR-7PIN-30K    | 168W    |
|                                    | Hadco RX 120                                   | RX2120I3NA5RNAN                          | 208 W   |
| 13,000 - 16,000+ lumen (400W HPS+) | <u>Leotek GreenKingCobra 120F@700mA*</u>       | GC2-120F-MV-WW-3-GY-700-PCR7-CR**        | 260 W** |
|                                    | Hadco RX 160                                   | RX2160I3NA5RNAN P7-30K                   | 275 W   |
|                                    | American Electric 80B @1000mA                  | ATB2 80BLEDE10 MVOLT R3 3K P7            | 284 W   |