

Energy and Performance Data - VA Performance

Nominal Power Lumens (2700K CCT, 70 CRI)

| Optics                       |                 | 1        | 2        | 3        | 4        | 5        | 6        |
|------------------------------|-----------------|----------|----------|----------|----------|----------|----------|
| T2 (Type II)                 | Lumens          | 2,554    | 3,419    | 4,044    | 5,202    | --       | --       |
|                              | Lumens per Watt | 85.7     | 84.4     | 83.7     | 80.5     | --       | --       |
|                              | BUG Rating      | B1-U0-G1 | B2-U0-G2 | B2-U0-G2 | B2-U0-G3 | --       | --       |
| T3 (Type III)                | Lumens          | 2,606    | 3,488    | 4,126    | 5,308    | --       | --       |
|                              | Lumens per Watt | 86.6     | 85.1     | 84.4     | 82.2     | --       | --       |
|                              | BUG Rating      | B1-U0-G1 | B2-U0-G2 | B2-U0-G2 | B2-U0-G2 | --       | --       |
| T4FT (Type IV Forward Throw) | Lumens          | 3,045    | 4,118    | 4,822    | 5,897    | --       | --       |
|                              | Lumens per Watt | 100.5    | 101.2    | 98.2     | 91.3     | --       | --       |
|                              | BUG Rating      | B1-U0-G1 | B1-U0-G1 | B1-U0-G2 | B2-U0-G2 | --       | --       |
| T4W (Type IV Wide)           | Lumens          | 2,943    | 4,010    | 4,759    | 5,787    | 7,276    | 9,223    |
|                              | Lumens per Watt | 101.5    | 102.3    | 101.7    | 100.5    | 97.9     | 91.2     |
|                              | BUG Rating      | B1-U0-G1 | B2-U0-G2 | B2-U0-G2 | B2-U0-G2 | B2-U0-G2 | B2-U0-G3 |

Nominal Power Lumens (3000K CCT, 70 CRI)

| Optics                       |                 | 1        | 2        | 3        | 4        | 5        | 6        |
|------------------------------|-----------------|----------|----------|----------|----------|----------|----------|
| T2 (Type II)                 | Lumens          | 2,709    | 3,627    | 4,290    | 5,519    | --       | --       |
|                              | Lumens per Watt | 90.9     | 90       | 89       | 85       | --       | --       |
|                              | BUG Rating      | B2-U0-G2 | B2-U0-G2 | B2-U0-G2 | B2-U0-G3 | --       | --       |
| T3 (Type III)                | Lumens          | 2,765    | 3,701    | 4,377    | 5,631    | --       | --       |
|                              | Lumens per Watt | 92       | 90       | 90       | 87.2     | --       | --       |
|                              | BUG Rating      | B2-U0-G2 | B2-U0-G2 | B2-U0-G2 | B2-U0-G3 | --       | --       |
| T4FT (Type IV Forward Throw) | Lumens          | 3,230    | 4,368    | 5,116    | 6,257    | --       | --       |
|                              | Lumens per Watt | 107      | 107      | 104      | 97       | --       | --       |
|                              | BUG Rating      | B1-U0-G1 | B1-U0-G2 | B1-U0-G2 | B2-U0-G2 | --       | --       |
| T4W (Type IV Wide)           | Lumens          | 3,122    | 4,254    | 5,049    | 6,140    | 7,720    | 9,785    |
|                              | Lumens per Watt | 108      | 109      | 108      | 107      | 104      | 96.8     |
|                              | BUG Rating      | B1-U0-G1 | B2-U0-G2 | B2-U0-G2 | B2-U0-G2 | B2-U0-G3 | B2-U0-G3 |

Nominal Power Lumens (3500K CCT, 70 CRI)

| Optics                       |                 | 1        | 2        | 3        | 4        | 5        | 6        |
|------------------------------|-----------------|----------|----------|----------|----------|----------|----------|
| T2 (Type II)                 | Lumens          | 2,712    | 3,631    | 4,294    | 5,525    | --       | --       |
|                              | Lumens per Watt | 91       | 90       | 89       | 86       | --       | --       |
|                              | BUG Rating      | B2-U0-G2 | B2-U0-G2 | B2-U0-G2 | B2-U0-G3 | --       | --       |
| T3 (Type III)                | Lumens          | 2,768    | 3,705    | 4,382    | 5,637    | --       | --       |
|                              | Lumens per Watt | 92       | 90       | 90       | 87.3     | --       | --       |
|                              | BUG Rating      | B2-U0-G2 | B2-U0-G2 | B2-U0-G2 | B2-U0-G3 | --       | --       |
| T4FT (Type IV Forward Throw) | Lumens          | 3,234    | 4,373    | 5,121    | 6,263    | --       | --       |
|                              | Lumens per Watt | 107      | 108      | 104      | 97       | --       | --       |
|                              | BUG Rating      | B1-U0-G1 | B1-U0-G2 | B1-U0-G2 | B2-U0-G2 | --       | --       |
| T4W (Type IV Wide)           | Lumens          | 3,125    | 4,259    | 5,054    | 6,146    | 7,728    | 9,795    |
|                              | Lumens per Watt | 108      | 109      | 108      | 107      | 104      | 96.9     |
|                              | BUG Rating      | B1-U0-G1 | B2-U0-G2 | B2-U0-G2 | B2-U0-G2 | B2-U0-G3 | B2-U0-G3 |

**Nominal Power Lumens (4000K CCT, 70 CRI)**

| Optics                       |                 | 1        | 2        | 3        | 4        | 5        | 6        |
|------------------------------|-----------------|----------|----------|----------|----------|----------|----------|
| T2 (Type II)                 | Lumens          | 2,794    | 3,741    | 4,424    | 5,692    | --       | --       |
|                              | Lumens per Watt | 93.8     | 92       | 92       | 88       | --       | --       |
|                              | BUG Rating      | B2-U0-G2 | B2-U0-G2 | B2-U0-G2 | B2-U0-G3 | --       | --       |
| T3 (Type III)                | Lumens          | 2,851    | 3,817    | 4,514    | 5,807    | --       | --       |
|                              | Lumens per Watt | 95       | 93       | 92       | 89.9     | --       | --       |
|                              | BUG Rating      | B2-U0-G2 | B2-U0-G2 | B2-U0-G2 | B2-U0-G3 | --       | --       |
| T4FT (Type IV Forward Throw) | Lumens          | 3,332    | 4,505    | 5,276    | 6,453    | --       | --       |
|                              | Lumens per Watt | 110      | 111      | 108      | 99.9     | --       | --       |
|                              | BUG Rating      | B1-U0-G1 | B1-U0-G2 | B2-U0-G2 | B2-U0-G2 | --       | --       |
| T4W (Type IV Wide)           | Lumens          | 3,220    | 4,388    | 5,207    | 6,332    | 7,961    | 10,091   |
|                              | Lumens per Watt | 111      | 112      | 111      | 110      | 107      | 99.8     |
|                              | BUG Rating      | B1-U0-G1 | B2-U0-G2 | B2-U0-G2 | B2-U0-G2 | B2-U0-G3 | B2-U0-G3 |

**Nominal Power Lumens (5000K CCT, 70 CRI)**

| Optics                       |                 | 1        | 2        | 3        | 4        | 5        | 6        |
|------------------------------|-----------------|----------|----------|----------|----------|----------|----------|
| T2 (Type II)                 | Lumens          | 2,794    | 3,741    | 4,424    | 5,692    | --       | --       |
|                              | Lumens per Watt | 93.8     | 92       | 92       | 88       | --       | --       |
|                              | BUG Rating      | B2-U0-G2 | B2-U0-G2 | B2-U0-G2 | B2-U0-G3 | --       | --       |
| T3 (Type III)                | Lumens          | 2,851    | 3,817    | 4,514    | 5,807    | --       | --       |
|                              | Lumens per Watt | 95       | 93       | 92       | 90       | --       | --       |
|                              | BUG Rating      | B2-U0-G2 | B2-U0-G2 | B2-U0-G2 | B2-U0-G3 | --       | --       |
| T4FT (Type IV Forward Throw) | Lumens          | 3,332    | 4,505    | 5,276    | 6,453    | --       | --       |
|                              | Lumens per Watt | 110      | 111      | 108      | 99.9     | --       | --       |
|                              | BUG Rating      | B1-U0-G1 | B1-U0-G2 | B2-U0-G2 | B2-U0-G2 | --       | --       |
| T4W (Type IV Wide)           | Lumens          | 3,220    | 4,388    | 5,207    | 6,332    | 7,961    | 10,091   |
|                              | Lumens per Watt | 111      | 112      | 111      | 110      | 107      | 99.8     |
|                              | BUG Rating      | B1-U0-G1 | B2-U0-G2 | B2-U0-G2 | B2-U0-G2 | B2-U0-G3 | B2-U0-G3 |

**Nominal Power Lumens (6000K CCT, 70 CRI)**

| Optics                       |                 | 1        | 2        | 3        | 4        | 5        | 6        |
|------------------------------|-----------------|----------|----------|----------|----------|----------|----------|
| T2 (Type II)                 | Lumens          | 2,794    | 3,741    | 4,424    | 5,692    | --       | --       |
|                              | Lumens per Watt | 93.8     | 92       | 92       | 88       | --       | --       |
|                              | BUG Rating      | B2-U0-G2 | B2-U0-G2 | B2-U0-G2 | B2-U0-G3 | --       | --       |
| T3 (Type III)                | Lumens          | 2,851    | 3,817    | 4,514    | 5,807    | --       | --       |
|                              | Lumens per Watt | 95       | 93       | 92       | 89.9     | --       | --       |
|                              | BUG Rating      | B2-U0-G2 | B2-U0-G2 | B2-U0-G2 | B2-U0-G3 | --       | --       |
| T4FT (Type IV Forward Throw) | Lumens          | 3,332    | 4,505    | 5,276    | 6,453    | --       | --       |
|                              | Lumens per Watt | 110      | 111      | 108      | 99.9     | --       | --       |
|                              | BUG Rating      | B1-U0-G1 | B1-U0-G2 | B2-U0-G2 | B2-U0-G2 | --       | --       |
| T4W (Type IV Wide)           | Lumens          | 3,220    | 4,388    | 5,207    | 6,332    | 7,961    | 10,091   |
|                              | Lumens per Watt | 111      | 112      | 111      | 110      | 107      | 99.8     |
|                              | BUG Rating      | B1-U0-G1 | B2-U0-G2 | B2-U0-G2 | B2-U0-G2 | B2-U0-G3 | B2-U0-G3 |

**Nominal Power Lumens (2700K CCT, 80 CRI)**

| Optics                       |                 | 1        | 2        | 3        | 4        | 5        | 6        |
|------------------------------|-----------------|----------|----------|----------|----------|----------|----------|
| T2 (Type II)                 | Lumens          | 2,452    | 3,282    | 3,882    | 4,995    | --       | --       |
|                              | Lumens per Watt | 82.3     | 81       | 80       | 77       | --       | --       |
|                              | BUG Rating      | B1-U0-G1 | B2-U0-G2 | B2-U0-G2 | B2-U0-G2 | --       | --       |
| T3 (Type III)                | Lumens          | 2,502    | 3,349    | 3,961    | 5,096    | --       | --       |
|                              | Lumens per Watt | 83       | 82       | 81       | 78.9     | --       | --       |
|                              | BUG Rating      | B1-U0-G1 | B2-U0-G2 | B2-U0-G2 | B2-U0-G2 | --       | --       |
| T4FT (Type IV Forward Throw) | Lumens          | 2,924    | 3,954    | 4,630    | 5,662    | --       | --       |
|                              | Lumens per Watt | 97       | 97       | 94       | 87.7     | --       | --       |
|                              | BUG Rating      | B1-U0-G1 | B1-U0-G1 | B1-U0-G2 | B2-U0-G2 | --       | --       |
| T4W (Type IV Wide)           | Lumens          | 2,826    | 3,850    | 4,569    | 5,557    | 6,986    | 8,856    |
|                              | Lumens per Watt | 97       | 98       | 98       | 97       | 94       | 87.6     |
|                              | BUG Rating      | B1-U0-G1 | B2-U0-G2 | B2-U0-G2 | B2-U0-G2 | B2-U0-G2 | B2-U0-G3 |

**Nominal Power Lumens (3000K CCT, 80 CRI)**

| Optics                       |                 | 1        | 2        | 3        | 4        | 5        | 6        |
|------------------------------|-----------------|----------|----------|----------|----------|----------|----------|
| T2 (Type II)                 | Lumens          | 2,542    | 3,404    | 4,026    | 5,179    | --       | --       |
|                              | Lumens per Watt | 85       | 84       | 83       | 80       | --       | --       |
|                              | BUG Rating      | B1-U0-G1 | B2-U0-G2 | B2-U0-G2 | B2-U0-G3 | --       | --       |
| T3 (Type III)                | Lumens          | 2,595    | 3,473    | 4,108    | 5,284    | --       | --       |
|                              | Lumens per Watt | 86       | 85       | 84       | 81.8     | --       | --       |
|                              | BUG Rating      | B1-U0-G1 | B2-U0-G2 | B2-U0-G2 | B2-U0-G2 | --       | --       |
| T4FT (Type IV Forward Throw) | Lumens          | 3,031    | 4,099    | 4,801    | 5,871    | --       | --       |
|                              | Lumens per Watt | 100      | 101      | 98       | 90.9     | --       | --       |
|                              | BUG Rating      | B1-U0-G1 | B1-U0-G1 | B1-U0-G2 | B2-U0-G2 | --       | --       |
| T4W (Type IV Wide)           | Lumens          | 2,930    | 3,992    | 4,738    | 5,762    | 7,244    | 9,182    |
|                              | Lumens per Watt | 101      | 102      | 101      | 100      | 98       | 90.8     |
|                              | BUG Rating      | B1-U0-G1 | B2-U0-G2 | B2-U0-G2 | B2-U0-G2 | B2-U0-G2 | B2-U0-G3 |

**Nominal Power Lumens (3500K CCT, 80 CRI)**

| Optics                       |                 | 1        | 2        | 3        | 4        | 5        | 6        |
|------------------------------|-----------------|----------|----------|----------|----------|----------|----------|
| T2 (Type II)                 | Lumens          | 2,588    | 3,464    | 4,097    | 5,271    | --       | --       |
|                              | Lumens per Watt | 86.8     | 86       | 85       | 82       | --       | --       |
|                              | BUG Rating      | B2-U0-G2 | B2-U0-G2 | B2-U0-G2 | B2-U0-G3 | --       | --       |
| T3 (Type III)                | Lumens          | 2,641    | 3,535    | 4,181    | 5,378    | --       | --       |
|                              | Lumens per Watt | 88       | 86       | 86       | 83.3     | --       | --       |
|                              | BUG Rating      | B1-U0-G1 | B2-U0-G2 | B2-U0-G2 | B2-U0-G2 | --       | --       |
| T4FT (Type IV Forward Throw) | Lumens          | 3,085    | 4,172    | 4,886    | 5,976    | --       | --       |
|                              | Lumens per Watt | 102      | 103      | 100      | 92.5     | --       | --       |
|                              | BUG Rating      | B1-U0-G1 | B1-U0-G1 | B1-U0-G2 | B2-U0-G2 | --       | --       |
| T4W (Type IV Wide)           | Lumens          | 2,982    | 4,064    | 4,822    | 5,864    | 7,373    | 9,346    |
|                              | Lumens per Watt | 103      | 104      | 103      | 102      | 99       | 92.4     |
|                              | BUG Rating      | B1-U0-G1 | B2-U0-G2 | B2-U0-G2 | B2-U0-G2 | B2-U0-G2 | B2-U0-G3 |

**Nominal Power Lumens (4000K CCT, 80 CRI)**

| Optics                       |                 | 1        | 2        | 3        | 4        | 5        | 6        |
|------------------------------|-----------------|----------|----------|----------|----------|----------|----------|
| T2 (Type II)                 | Lumens          | 2,672    | 3,578    | 4,232    | 5,444    | --       | --       |
|                              | Lumens per Watt | 89.7     | 88       | 88       | 84       | --       | --       |
|                              | BUG Rating      | B2-U0-G2 | B2-U0-G2 | B2-U0-G2 | B2-U0-G3 | --       | --       |
| T3 (Type III)                | Lumens          | 2,727    | 3,651    | 4,318    | 5,555    | --       | --       |
|                              | Lumens per Watt | 91       | 89       | 88       | 86       | --       | --       |
|                              | BUG Rating      | B2-U0-G2 | B2-U0-G2 | B2-U0-G2 | B2-U0-G3 | --       | --       |
| T4FT (Type IV Forward Throw) | Lumens          | 3,187    | 4,309    | 5,046    | 6,172    | --       | --       |
|                              | Lumens per Watt | 105      | 106      | 103      | 95.5     | --       | --       |
|                              | BUG Rating      | B1-U0-G1 | B1-U0-G2 | B1-U0-G2 | B2-U0-G2 | --       | --       |
| T4W (Type IV Wide)           | Lumens          | 3,080    | 4,197    | 4,980    | 6,057    | 7,615    | 9,652    |
|                              | Lumens per Watt | 106      | 107      | 106      | 105      | 103      | 95.5     |
|                              | BUG Rating      | B1-U0-G1 | B2-U0-G2 | B2-U0-G2 | B2-U0-G2 | B2-U0-G3 | B2-U0-G3 |

**Nominal Power Lumens (5000K CCT, 80 CRI)**

| Optics                       |                 | 1        | 2        | 3        | 4        | 5        | 6        |
|------------------------------|-----------------|----------|----------|----------|----------|----------|----------|
| T2 (Type II)                 | Lumens          | 2,712    | 3,631    | 4,294    | 5,525    | --       | --       |
|                              | Lumens per Watt | 91       | 90       | 89       | 86       | --       | --       |
|                              | BUG Rating      | B2-U0-G2 | B2-U0-G2 | B2-U0-G2 | B2-U0-G3 | --       | --       |
| T3 (Type III)                | Lumens          | 2,768    | 3,705    | 4,382    | 5,637    | --       | --       |
|                              | Lumens per Watt | 92       | 90       | 90       | 87.3     | --       | --       |
|                              | BUG Rating      | B2-U0-G2 | B2-U0-G2 | B2-U0-G2 | B2-U0-G3 | --       | --       |
| T4FT (Type IV Forward Throw) | Lumens          | 3,234    | 4,373    | 5,121    | 6,263    | --       | --       |
|                              | Lumens per Watt | 107      | 108      | 104      | 97       | --       | --       |
|                              | BUG Rating      | B1-U0-G1 | B1-U0-G2 | B1-U0-G2 | B2-U0-G2 | --       | --       |
| T4W (Type IV Wide)           | Lumens          | 3,125    | 4,259    | 5,054    | 6,146    | 7,728    | 9,795    |
|                              | Lumens per Watt | 108      | 109      | 108      | 107      | 104      | 96.9     |
|                              | BUG Rating      | B1-U0-G1 | B2-U0-G2 | B2-U0-G2 | B2-U0-G2 | B2-U0-G3 | B2-U0-G3 |

**Nominal Power Lumens (6000K CCT, 80 CRI)**

| Optics                       |                 | 1        | 2        | 3        | 4        | 5        | 6        |
|------------------------------|-----------------|----------|----------|----------|----------|----------|----------|
| T2 (Type II)                 | Lumens          | 2,712    | 3,631    | 4,294    | 5,525    | --       | --       |
|                              | Lumens per Watt | 91       | 90       | 89       | 86       | --       | --       |
|                              | BUG Rating      | B2-U0-G2 | B2-U0-G2 | B2-U0-G2 | B2-U0-G3 | --       | --       |
| T3 (Type III)                | Lumens          | 2,768    | 3,705    | 4,382    | 5,637    | --       | --       |
|                              | Lumens per Watt | 92       | 90       | 90       | 87.3     | --       | --       |
|                              | BUG Rating      | B2-U0-G2 | B2-U0-G2 | B2-U0-G2 | B2-U0-G3 | --       | --       |
| T4FT (Type IV Forward Throw) | Lumens          | 3,234    | 4,373    | 5,121    | 6,263    | --       | --       |
|                              | Lumens per Watt | 107      | 108      | 104      | 97       | --       | --       |
|                              | BUG Rating      | B1-U0-G1 | B1-U0-G2 | B1-U0-G2 | B2-U0-G2 | --       | --       |
| T4W (Type IV Wide)           | Lumens          | 3,125    | 4,259    | 5,054    | 6,146    | 7,728    | 9,795    |
|                              | Lumens per Watt | 108      | 109      | 108      | 107      | 104      | 96.9     |
|                              | BUG Rating      | B1-U0-G1 | B2-U0-G2 | B2-U0-G2 | B2-U0-G2 | B2-U0-G3 | B2-U0-G3 |

Energy and Performance Data - SA Performance

Nominal Power Lumens (3000K CCT, 70 CRI)

| Optics   |                 | 1A<br>(350mA) | 1B<br>(450MA) | 1C<br>(600mA) | 1D<br>(800MA) | 1E<br>(1050MA) | 1F<br>(1200MA) | 2A<br>(350mA) | 2B<br>(450MA) | 2C<br>(600MA) | 2D<br>(800MA) | 2E<br>(1050MA) |
|--|-----------------|---------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|
| T2 (Type II)   | Lumens          | 2,220         | 2,784         | 3,566         | 4,644         | 5,683          | 5,939          | 5,161         | 6,471         | 8,289         | 10,415        | 11,316         |
|  | Lumens per Watt | 122           | 119           | 111.4         | 106.3         | 98.8           | 95             | 141.8         | 138.3         | 129.5         | 125           | 103.5          |
|  | BUG Rating      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G2      | B1-U0-G1      | B1-U0-G2      | B2-U0-G2      | B2-U0-G2       |
| T2-HSS (Type II House Side Shield)                     | Lumens          | 1,609         | 2,018         | 2,585         | 3,366         | 4,120          | 4,305          | 3,741         | 4,691         | 6,009         | 7,550         | 8,203          |
|  | Lumens per Watt | 88.4          | 86.2          | 80.8          | 77            | 71.6           | 68.9           | 102.8         | 100.2         | 93.9          | 90.6          | 75             |
|  | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2       |
| T3 (Type III)  | Lumens          | 2,249         | 2,820         | 3,612         | 4,704         | 5,756          | 6,016          | 5,227         | 6,554         | 8,396         | 10,549        | 11,462         |
|  | Lumens per Watt | 123.6         | 120.5         | 112.9         | 107.6         | 100.1          | 96.3           | 143.6         | 140           | 131.2         | 126.6         | 104.9          |
|  | BUG Rating      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2       | B1-U0-G2       | B1-U0-G1      | B1-U0-G2      | B2-U0-G2      | B2-U0-G2      | B2-U0-G2       |
| T3-HSS (Type III House Side Shield)                    | Lumens          | 1,622         | 2,034         | 2,606         | 3,393         | 4,153          | 4,340          | 3,771         | 4,728         | 6,057         | 7,610         | 8,268          |
|  | Lumens per Watt | 89.1          | 86.9          | 81.4          | 77.6          | 72.2           | 69.4           | 103.6         | 101           | 94.6          | 91.4          | 75.6           |
|  | BUG Rating      | B0-U0-G0      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |
| T4FT (Type IV Forward Throw)                           | Lumens          | 2,224         | 2,789         | 3,572         | 4,652         | 5,693          | 5,950          | 5,170         | 6,482         | 8,304         | 10,434        | 11,336         |
|  | Lumens per Watt | 122.2         | 119.2         | 111.6         | 106.5         | 99             | 95.2           | 142           | 138.5         | 129.8         | 125.3         | 103.7          |
|  | BUG Rating      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B2-U0-G3      | B2-U0-G3       |
| T4FT-HSS (Type IV Forward Throw House Side Shield)     | Lumens          | 1,613         | 2,023         | 2,591         | 3,374         | 4,129          | 4,315          | 3,750         | 4,702         | 6,023         | 7,568         | 8,222          |
|  | Lumens per Watt | 88.6          | 86.4          | 81            | 77.2          | 71.8           | 69             | 103           | 100.5         | 94.1          | 90.8          | 75.2           |
|  | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G2       | B1-U0-G2       | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |
| T4W (Type IV Wide)                                     | Lumens          | 2,242         | 2,810         | 3,600         | 4,688         | 5,737          | 5,996          | 5,210         | 6,533         | 8,369         | 10,515        | 11,424         |
|  | Lumens per Watt | 123.2         | 120.1         | 112.5         | 107.3         | 99.8           | 95.9           | 143.1         | 139.6         | 130.8         | 126.2         | 104.5          |
|  | BUG Rating      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B2-U0-G2      | B2-U0-G3       |
| T4W-HSS (Type IV Wide House Side Shield)               | Lumens          | 1,624         | 2,037         | 2,609         | 3,397         | 4,158          | 4,345          | 3,776         | 4,734         | 6,065         | 7,620         | 8,279          |
|  | Lumens per Watt | 89.2          | 87            | 81.5          | 77.7          | 72.3           | 69.5           | 103.7         | 101.2         | 94.8          | 91.5          | 75.7           |
|  | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B1-U0-G2       | B1-U0-G2       | B0-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |
| SL2 (Type II w/ Spill Control)                         | Lumens          | 2,203         | 2,762         | 3,538         | 4,608         | 5,639          | 5,893          | 5,121         | 6,421         | 8,226         | 10,335        | 11,229         |
|  | Lumens per Watt | 121           | 118           | 110.6         | 105.4         | 98.1           | 94.3           | 140.7         | 137.2         | 128.5         | 124.1         | 102.7          |
|  | BUG Rating      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B2-U0-G3      | B2-U0-G3       |
| SL2-HSS (Type II w/ Spill Control, House Side Shield)  | Lumens          | 1,785         | 2,238         | 2,867         | 3,734         | 4,570          | 4,776          | 4,150         | 5,203         | 6,665         | 8,375         | 9,099          |
|  | Lumens per Watt | 98.1          | 95.7          | 89.6          | 85.4          | 79.5           | 76.4           | 114           | 111.2         | 104.1         | 100.5         | 83.2           |
|  | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |
| SL3 (Type III w/ Spill Control)                        | Lumens          | 2,200         | 2,759         | 3,534         | 4,602         | 5,632          | 5,886          | 5,115         | 6,413         | 8,216         | 10,322        | 11,215         |
|  | Lumens per Watt | 120.9         | 117.9         | 110.4         | 105.3         | 98             | 94.2           | 140.5         | 137           | 128.4         | 123.9         | 102.6          |
|  | BUG Rating      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G3      | B2-U0-G3      | B2-U0-G3       |
| SL3-HSS (Type III w/ Spill Control, House Side Shield) | Lumens          | 1,835         | 2,300         | 2,947         | 3,838         | 4,696          | 4,908          | 4,265         | 5,348         | 6,850         | 8,607         | 9,351          |
|  | Lumens per Watt | 100.8         | 98.3          | 92.1          | 87.8          | 81.7           | 78.5           | 117.2         | 114.3         | 107           | 103.3         | 85.6           |
|  | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G2       | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |
| SL4 (Type III w/ Spill Control)                        | Lumens          | 2,164         | 2,714         | 3,476         | 4,527         | 5,540          | 5,789          | 5,031         | 6,308         | 8,080         | 10,153        | 11,031         |
|  | Lumens per Watt | 118.9         | 116           | 108.6         | 103.6         | 96.3           | 92.6           | 138.2         | 134.8         | 126.3         | 121.9         | 100.9          |
|  | BUG Rating      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G3      | B1-U0-G3       |
| SL4-HSS (Type III w/ Spill Control, House Side Shield) | Lumens          | 1,834         | 2,299         | 2,945         | 3,836         | 4,694          | 4,906          | 4,263         | 5,345         | 6,847         | 8,603         | 9,347          |
|  | Lumens per Watt | 100.8         | 98.3          | 92            | 87.8          | 81.6           | 78.5           | 117.1         | 114.2         | 107           | 103.3         | 85.5           |
|  | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G2       | B1-U0-G2       | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |
| SLR (90° Spill Light Eliminator Right)                 | Lumens          | 1,925         | 2,413         | 3,091         | 4,026         | 4,927          | 5,149          | 4,474         | 5,610         | 7,186         | 9,029         | 9,810          |
|  | Lumens per Watt | 105.8         | 103.1         | 96.6          | 92.1          | 85.7           | 82.4           | 122.9         | 119.9         | 112.3         | 108.4         | 89.7           |
|  | BUG Rating      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G3      | B1-U0-G3      | B2-U0-G3       |

**Nominal Power Lumens (3000K CCT, 70 CRI)**

| Optics  |                 | 1A<br>(350mA) | 1B<br>(450MA) | 1C<br>(600mA) | 1D<br>(800MA) | 1E<br>(1050MA) | 1F<br>(1200MA) | 2A<br>(350mA) | 2B<br>(450MA) | 2C<br>(600MA) | 2D<br>(800MA) | 2E<br>(1050MA) |
|---|-----------------|---------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|
| SLR-HSS (90° Spill Light Eliminator Right, House Side Shield) | Lumens          | 1,596         | 2,001         | 2,563         | 3,337         | 4,084          | 4,268          | 3,709         | 4,651         | 5,958         | 7,485         | 8,133          |
|   | Lumens per Watt | 87.7          | 85.5          | 80.1          | 76.4          | 71             | 68.3           | 101.9         | 99.4          | 93.1          | 89.9          | 74.4           |
|   | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2       |
| SLL (90° Spill Light Eliminator Left)                         | Lumens          | 1,925         | 2,413         | 3,091         | 4,026         | 4,927          | 5,149          | 4,474         | 5,610         | 7,186         | 9,029         | 9,810          |
|   | Lumens per Watt | 105.8         | 103.1         | 96.6          | 92.1          | 85.7           | 82.4           | 122.9         | 119.9         | 112.3         | 108.4         | 89.7           |
|   | BUG Rating      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G3      | B1-U0-G3       |
| SLL-HSS (90° Spill Light Eliminator Left, House Side Shield)  | Lumens          | 1,596         | 2,001         | 2,563         | 3,337         | 4,084          | 4,268          | 3,709         | 4,651         | 5,958         | 7,485         | 8,133          |
|   | Lumens per Watt | 87.7          | 85.5          | 80.1          | 76.4          | 71             | 68.3           | 101.9         | 99.4          | 93.1          | 89.9          | 74.4           |
|   | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2       |

**Nominal Power Lumens (3500K CCT, 70 CRI)**

| Optics  |                 | 1A<br>(350mA) | 1B<br>(450MA) | 1C<br>(600mA) | 1D<br>(800MA) | 1E<br>(1050MA) | 1F<br>(1200MA) | 2A<br>(350mA) | 2B<br>(450MA) | 2C<br>(600MA) | 2D<br>(800MA) | 2E<br>(1050MA) |
|---|-----------------|---------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|
| T2 (Type II)  | Lumens          | 2,273         | 2,850         | 3,651         | 4,755         | 5,819          | 6,082          | 5,285         | 6,626         | 8,488         | 10,665        | 11,587         |
|   | Lumens per Watt | 124.9         | 121.8         | 114.1         | 108.8         | 101.2          | 97.3           | 145.2         | 141.6         | 132.6         | 128           | 106            |
|   | BUG Rating      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G2      | B1-U0-G1      | B1-U0-G2      | B2-U0-G2      | B2-U0-G2       |
| T2-HSS (Type II House Side Shield)                    | Lumens          | 1,648         | 2,066         | 2,647         | 3,447         | 4,218          | 4,409          | 3,831         | 4,803         | 6,153         | 7,731         | 8,400          |
|   | Lumens per Watt | 90.5          | 88.3          | 82.7          | 78.9          | 73.4           | 70.5           | 105.2         | 102.6         | 96.1          | 92.8          | 76.8           |
|   | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2       |
| T3 (Type III)   | Lumens          | 2,303         | 2,887         | 3,698         | 4,816         | 5,894          | 6,160          | 5,353         | 6,711         | 8,598         | 10,802        | 11,737         |
|   | Lumens per Watt | 126.5         | 123.4         | 115.6         | 110.2         | 102.5          | 98.6           | 147.1         | 143.4         | 134.3         | 129.7         | 107.4          |
|   | BUG Rating      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B2-U0-G2      | B2-U0-G2      | B2-U0-G2       |
| T3-HSS (Type III House Side Shield)                   | Lumens          | 1,661         | 2,083         | 2,668         | 3,474         | 4,252          | 4,444          | 3,862         | 4,842         | 6,202         | 7,793         | 8,467          |
|   | Lumens per Watt | 91.3          | 89            | 83.4          | 79.5          | 73.9           | 71.1           | 106.1         | 103.5         | 96.9          | 93.6          | 77.5           |
|   | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |
| T4FT (Type IV Forward Throw)                          | Lumens          | 2,278         | 2,856         | 3,658         | 4,764         | 5,830          | 6,093          | 5,294         | 6,638         | 8,503         | 10,684        | 11,608         |
|   | Lumens per Watt | 125.1         | 122           | 114.3         | 109           | 101.4          | 97.5           | 145.4         | 141.8         | 132.9         | 128.3         | 106.2          |
|   | BUG Rating      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B2-U0-G3      | B2-U0-G3      | B2-U0-G3       |
| T4FT-HSS (Type IV Forward Throw House Side Shield)    | Lumens          | 1,652         | 2,071         | 2,653         | 3,455         | 4,228          | 4,419          | 3,840         | 4,814         | 6,168         | 7,749         | 8,419          |
|   | Lumens per Watt | 90.8          | 88.5          | 82.9          | 79.1          | 73.5           | 70.7           | 105.5         | 102.9         | 96.4          | 93            | 77             |
|   | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G2       | B1-U0-G2       | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |
| T4W (Type IV Wide)                                    | Lumens          | 2,295         | 2,878         | 3,686         | 4,801         | 5,875          | 6,140          | 5,335         | 6,690         | 8,570         | 10,767        | 11,698         |
|   | Lumens per Watt | 126.1         | 123           | 115.2         | 109.9         | 102.2          | 98.2           | 146.6         | 142.9         | 133.9         | 129.3         | 107            |
|   | BUG Rating      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B2-U0-G2      | B2-U0-G3      | B2-U0-G3       |
| T4W-HSS (Type IV Wide House Side Shield)              | Lumens          | 1,663         | 2,085         | 2,671         | 3,479         | 4,257          | 4,449          | 3,866         | 4,848         | 6,210         | 7,802         | 8,477          |
|   | Lumens per Watt | 91.4          | 89.1          | 83.5          | 79.6          | 74             | 71.2           | 106.2         | 103.6         | 97            | 93.7          | 77.6           |
|   | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |
| SL2 (Type II w/ Spill Control)                        | Lumens          | 2,256         | 2,829         | 3,623         | 4,718         | 5,774          | 6,035          | 5,244         | 6,575         | 8,423         | 10,583        | 11,498         |
|   | Lumens per Watt | 124           | 120.9         | 113.2         | 108           | 100.4          | 96.6           | 144.1         | 140.5         | 131.6         | 127           | 105.2          |
|   | BUG Rating      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B2-U0-G3      | B2-U0-G3      | B2-U0-G3       |
| SL2-HSS (Type II w/ Spill Control, House Side Shield) | Lumens          | 1,828         | 2,292         | 2,936         | 3,824         | 4,679          | 4,890          | 4,249         | 5,328         | 6,825         | 8,576         | 9,317          |
|   | Lumens per Watt | 100.4         | 97.9          | 91.8          | 87.5          | 81.4           | 78.2           | 116.7         | 113.8         | 106.6         | 102.9         | 85.2           |
|   | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |

Nominal Power Lumens (3500K CCT, 70 CRI)

| Optics  |                 | 1A<br>(350mA) | 1B<br>(450MA) | 1C<br>(600mA) | 1D<br>(800MA) | 1E<br>(1050MA) | 1F<br>(1200MA) | 2A<br>(350mA) | 2B<br>(450MA) | 2C<br>(600MA) | 2D<br>(800MA) | 2E<br>(1050MA) |
|---|-----------------|---------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|
| SL3 (Type III w/ Spill Control)                               | Lumens          | 2,253         | 2,825         | 3,619         | 4,713         | 5,767          | 6,027          | 5,238         | 6,567         | 8,413         | 10,570        | 11,484         |
|   | Lumens per Watt | 123.8         | 120.7         | 113.1         | 107.8         | 100.3          | 96.4           | 143.9         | 140.3         | 131.4         | 126.9         | 105.1          |
|   | BUG Rating      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G3      | B2-U0-G3       |
| SL3-HSS (Type III w/ Spill Control, House Side Shield)        | Lumens          | 1,879         | 2,356         | 3,017         | 3,930         | 4,809          | 5,026          | 4,367         | 5,476         | 7,015         | 8,813         | 9,576          |
|   | Lumens per Watt | 103.2         | 100.7         | 94.3          | 89.9          | 83.6           | 80.4           | 120           | 117           | 109.6         | 105.8         | 87.6           |
|   | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G2       | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |
| SL4 (Type III w/ Spill Control)                               | Lumens          | 2,216         | 2,779         | 3,559         | 4,635         | 5,673          | 5,928          | 5,151         | 6,459         | 8,274         | 10,396        | 11,295         |
|   | Lumens per Watt | 121.8         | 118.7         | 111.2         | 106.1         | 98.7           | 94.9           | 141.5         | 138           | 129.3         | 124.8         | 103.3          |
|   | BUG Rating      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G3      | B1-U0-G3       |
| SL4-HSS (Type III w/ Spill Control, House Side Shield)        | Lumens          | 1,878         | 2,354         | 3,016         | 3,928         | 4,807          | 5,023          | 4,365         | 5,473         | 7,011         | 8,809         | 9,571          |
|   | Lumens per Watt | 103.2         | 100.6         | 94.3          | 89.9          | 83.6           | 80.4           | 119.9         | 116.9         | 109.6         | 105.8         | 87.6           |
|   | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |
| SLR (90° Spill Light Eliminator Right)                        | Lumens          | 1,971         | 2,471         | 3,165         | 4,122         | 5,045          | 5,272          | 4,581         | 5,744         | 7,358         | 9,245         | 10,045         |
|   | Lumens per Watt | 108.3         | 105.6         | 98.9          | 94.3          | 87.7           | 84.4           | 125.9         | 122.7         | 115           | 111           | 91.9           |
|   | BUG Rating      | B0-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G3      | B1-U0-G3      | B2-U0-G3       |
| SLR-HSS (90° Spill Light Eliminator Right, House Side Shield) | Lumens          | 1,634         | 2,049         | 2,624         | 3,417         | 4,182          | 4,371          | 3,798         | 4,762         | 6,100         | 7,665         | 8,328          |
|   | Lumens per Watt | 89.8          | 87.5          | 82            | 78.2          | 72.7           | 69.9           | 104.3         | 101.8         | 95.3          | 92            | 76.2           |
|   | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |
| SLL (90° Spill Light Eliminator Left)                         | Lumens          | 1,971         | 2,471         | 3,165         | 4,122         | 5,045          | 5,272          | 4,581         | 5,744         | 7,358         | 9,245         | 10,045         |
|   | Lumens per Watt | 108.3         | 105.6         | 98.9          | 94.3          | 87.7           | 84.4           | 125.9         | 122.7         | 115           | 111           | 91.9           |
|   | BUG Rating      | B0-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G3      | B1-U0-G3      | B2-U0-G3       |
| SLL-HSS (90° Spill Light Eliminator Left, House Side Shield)  | Lumens          | 1,634         | 2,049         | 2,624         | 3,417         | 4,182          | 4,371          | 3,798         | 4,762         | 6,100         | 7,665         | 8,328          |
|   | Lumens per Watt | 89.8          | 87.5          | 82            | 78.2          | 72.7           | 69.9           | 104.3         | 101.8         | 95.3          | 92            | 76.2           |
|   | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |

Nominal Power Lumens (4000K CCT, 70 CRI)

| Optics   |                 | 1A<br>(350mA) | 1B<br>(450MA) | 1C<br>(600mA) | 1D<br>(800MA) | 1E<br>(1050MA) | 1F<br>(1200MA) | 2A<br>(350mA) | 2B<br>(450MA) | 2C<br>(600MA) | 2D<br>(800MA) | 2E<br>(1050MA) |
|--|-----------------|---------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|
| T2 (Type II)                                       | Lumens          | 2,305         | 2,890         | 3,702         | 4,821         | 5,900          | 6,166          | 5,358         | 6,718         | 8,606         | 10,813        | 11,748         |
|  | Lumens per Watt | 126.6         | 123.5         | 115.7         | 110.3         | 102.6          | 98.7           | 147.2         | 143.5         | 134.5         | 129.8         | 107.5          |
|  | BUG Rating      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2       | B1-U0-G2       | B1-U0-G1      | B1-U0-G2      | B2-U0-G2      | B2-U0-G2      | B2-U0-G2       |
| T2-HSS (Type II House Side Shield)                 | Lumens          | 1,671         | 2,095         | 2,684         | 3,495         | 4,277          | 4,470          | 3,884         | 4,870         | 6,239         | 7,838         | 8,516          |
|  | Lumens per Watt | 91.8          | 89.5          | 83.9          | 80            | 74.4           | 71.5           | 106.7         | 104.1         | 97.5          | 94.1          | 77.9           |
|  | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |
| T3 (Type III)                                      | Lumens          | 2,335         | 2,927         | 3,750         | 4,883         | 5,976          | 6,246          | 5,427         | 6,805         | 8,717         | 10,953        | 11,900         |
|  | Lumens per Watt | 128.3         | 125.1         | 117.2         | 111.7         | 103.9          | 99.9           | 149.1         | 145.4         | 136.2         | 131.5         | 108.9          |
|  | BUG Rating      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B2-U0-G2      | B2-U0-G2      | B2-U0-G2       |
| T3-HSS (Type III House Side Shield)                | Lumens          | 1,684         | 2,112         | 2,705         | 3,523         | 4,311          | 4,506          | 3,915         | 4,909         | 6,288         | 7,901         | 8,584          |
|  | Lumens per Watt | 92.5          | 90.2          | 84.5          | 80.6          | 75             | 72.1           | 107.6         | 104.9         | 98.3          | 94.9          | 78.5           |
|  | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |
| T4FT (Type IV Forward Throw)                       | Lumens          | 2,309         | 2,895         | 3,709         | 4,830         | 5,911          | 6,177          | 5,368         | 6,730         | 8,622         | 10,833        | 11,769         |
|  | Lumens per Watt | 126.9         | 123.7         | 115.9         | 110.5         | 102.8          | 98.8           | 147.5         | 143.8         | 134.7         | 130           | 107.7          |
|  | BUG Rating      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B2-U0-G3      | B2-U0-G3      | B2-U0-G3       |
| T4FT-HSS (Type IV Forward Throw House Side Shield) | Lumens          | 1,675         | 2,100         | 2,690         | 3,503         | 4,287          | 4,480          | 3,893         | 4,881         | 6,253         | 7,857         | 8,536          |
|  | Lumens per Watt | 92            | 89.7          | 84.1          | 80.2          | 74.6           | 71.7           | 107           | 104.3         | 97.7          | 94.3          | 78.1           |
|  | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G2       | B1-U0-G2       | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |
| T4W (Type IV Wide)                                 | Lumens          | 2,327         | 2,918         | 3,738         | 4,867         | 5,957          | 6,225          | 5,409         | 6,783         | 8,689         | 10,917        | 11,861         |
|  | Lumens per Watt | 127.9         | 124.7         | 116.8         | 111.4         | 103.6          | 99.6           | 148.6         | 144.9         | 135.8         | 131.1         | 108.5          |
|  | BUG Rating      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B2-U0-G2      | B2-U0-G3      | B2-U0-G3       |

Nominal Power Lumens (4000K CCT, 70 CRI)

| Optics  |                 | 1A<br>(350mA) | 1B<br>(450MA) | 1C<br>(600mA) | 1D<br>(800MA) | 1E<br>(1050MA) | 1F<br>(1200MA) | 2A<br>(350mA) | 2B<br>(450MA) | 2C<br>(600MA) | 2D<br>(800MA) | 2E<br>(1050MA) |
|---|-----------------|---------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|
| T4W-HSS (Type IV Wide House Side Shield)                      | Lumens          | 1,686         | 2,114         | 2,708         | 3,527         | 4,316          | 4,511          | 3,920         | 4,915         | 6,296         | 7,911         | 8,595          |
|   | Lumens per Watt | 92.7          | 90.4          | 84.6          | 80.7          | 75.1           | 72.2           | 107.7         | 105           | 98.4          | 95            | 78.6           |
|   | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |
| SL2 (Type II w/ Spill Control)                                | Lumens          | 2,287         | 2,868         | 3,674         | 4,784         | 5,855          | 6,119          | 5,317         | 6,666         | 8,540         | 10,730        | 11,658         |
|   | Lumens per Watt | 125.7         | 122.6         | 114.8         | 109.5         | 101.8          | 97.9           | 146.1         | 142.4         | 133.4         | 128.8         | 106.7          |
|   | BUG Rating      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B2-U0-G3      | B2-U0-G3      | B2-U0-G3       |
| SL2-HSS (Type II w/ Spill Control, House Side Shield)         | Lumens          | 1,854         | 2,324         | 2,977         | 3,877         | 4,744          | 4,958          | 4,308         | 5,402         | 6,920         | 8,695         | 9,447          |
|   | Lumens per Watt | 101.8         | 99.3          | 93            | 88.7          | 82.5           | 79.3           | 118.4         | 115.4         | 108.1         | 104.4         | 86.4           |
|   | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |
| SL3 (Type III w/ Spill Control)                               | Lumens          | 2,285         | 2,864         | 3,669         | 4,778         | 5,848          | 6,111          | 5,310         | 6,658         | 8,529         | 10,717        | 11,643         |
|   | Lumens per Watt | 125.5         | 122.4         | 114.7         | 109.3         | 101.7          | 97.8           | 145.9         | 142.3         | 133.3         | 128.7         | 106.5          |
|   | BUG Rating      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G3      | B2-U0-G3      | B2-U0-G3       |
| SL3-HSS (Type III w/ Spill Control, House Side Shield)        | Lumens          | 1,905         | 2,388         | 3,059         | 3,984         | 4,876          | 5,096          | 4,428         | 5,552         | 7,112         | 8,936         | 9,709          |
|   | Lumens per Watt | 104.7         | 102.1         | 95.6          | 91.2          | 84.8           | 81.5           | 121.6         | 118.6         | 111.1         | 107.3         | 88.8           |
|   | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2       | B1-U0-G2       | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |
| SL4 (Type III w/ Spill Control)                               | Lumens          | 2,247         | 2,817         | 3,609         | 4,700         | 5,751          | 6,011          | 5,223         | 6,549         | 8,389         | 10,541        | 11,452         |
|   | Lumens per Watt | 123.5         | 120.4         | 112.8         | 107.5         | 100            | 96.2           | 143.5         | 139.9         | 131.1         | 126.5         | 104.8          |
|   | BUG Rating      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G3      | B1-U0-G3      | B1-U0-G3       |
| SL4-HSS (Type III w/ Spill Control, House Side Shield)        | Lumens          | 1,904         | 2,387         | 3,058         | 3,982         | 4,873          | 5,093          | 4,426         | 5,549         | 7,109         | 8,932         | 9,704          |
|   | Lumens per Watt | 104.6         | 102           | 95.6          | 91.1          | 84.8           | 81.5           | 121.6         | 118.6         | 111.1         | 107.2         | 88.8           |
|   | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |
| SLR (90° Spill Light Eliminator Right)                        | Lumens          | 1,998         | 2,505         | 3,209         | 4,179         | 5,115          | 5,345          | 4,645         | 5,824         | 7,461         | 9,374         | 10,184         |
|   | Lumens per Watt | 109.8         | 107.1         | 100.3         | 95.6          | 89             | 85.5           | 127.6         | 124.4         | 116.6         | 112.5         | 93.2           |
|   | BUG Rating      | B0-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G3      | B2-U0-G3      | B2-U0-G3       |
| SLR-HSS (90° Spill Light Eliminator Right, House Side Shield) | Lumens          | 1,657         | 2,077         | 2,661         | 3,465         | 4,240          | 4,432          | 3,851         | 4,828         | 6,185         | 7,771         | 8,443          |
|   | Lumens per Watt | 91            | 88.8          | 83.1          | 79.3          | 73.7           | 70.9           | 105.8         | 103.2         | 96.6          | 93.3          | 77.2           |
|   | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |
| SLL (90° Spill Light Eliminator Left)                         | Lumens          | 1,998         | 2,505         | 3,209         | 4,179         | 5,115          | 5,345          | 4,645         | 5,824         | 7,461         | 9,374         | 10,184         |
|   | Lumens per Watt | 109.8         | 107.1         | 100.3         | 95.6          | 89             | 85.5           | 127.6         | 124.4         | 116.6         | 112.5         | 93.2           |
|   | BUG Rating      | B0-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G3      | B2-U0-G3      | B2-U0-G3       |
| SLL-HSS (90° Spill Light Eliminator Left, House Side Shield)  | Lumens          | 1,657         | 2,077         | 2,661         | 3,465         | 4,240          | 4,432          | 3,851         | 4,828         | 6,185         | 7,771         | 8,443          |
|   | Lumens per Watt | 91            | 88.8          | 83.1          | 79.3          | 73.7           | 70.9           | 105.8         | 103.2         | 96.6          | 93.3          | 77.2           |
|   | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |

Nominal Power Lumens (5000K CCT, 70 CRI)

| Optics                              |                 | 1A<br>(350mA) | 1B<br>(450MA) | 1C<br>(600mA) | 1D<br>(800MA) | 1E<br>(1050MA) | 1F<br>(1200MA) | 2A<br>(350mA) | 2B<br>(450MA) | 2C<br>(600MA) | 2D<br>(800MA) | 2E<br>(1050MA) |
|-------------------------------------|-----------------|---------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|
| T2 (Type II)                        | Lumens          | 2,358         | 2,956         | 3,787         | 4,931         | 6,035          | 6,307          | 5,481         | 6,872         | 8,803         | 11,061        | 12,017         |
|                                     | Lumens per Watt | 129.5         | 126.3         | 118.3         | 112.8         | 105            | 100.9          | 150.6         | 146.8         | 137.5         | 132.8         | 109.9          |
|                                     | BUG Rating      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2       | B1-U0-G2       | B1-U0-G1      | B1-U0-G2      | B2-U0-G2      | B2-U0-G2      | B2-U0-G2       |
| T2-HSS (Type II House Side Shield)  | Lumens          | 1,709         | 2,143         | 2,745         | 3,575         | 4,375          | 4,572          | 3,973         | 4,981         | 6,381         | 8,018         | 8,711          |
|                                     | Lumens per Watt | 93.9          | 91.6          | 85.8          | 81.8          | 76.1           | 73.2           | 109.1         | 106.4         | 99.7          | 96.3          | 79.7           |
|                                     | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |
| T3 (Type III)                       | Lumens          | 2,388         | 2,994         | 3,836         | 4,995         | 6,113          | 6,389          | 5,551         | 6,961         | 8,917         | 11,203        | 12,172         |
|                                     | Lumens per Watt | 131.2         | 128           | 119.9         | 114.3         | 106.3          | 102.2          | 152.5         | 148.7         | 139.3         | 134.5         | 111.4          |
|                                     | BUG Rating      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B2-U0-G2      | B2-U0-G2      | B2-U0-G2       |
| T3-HSS (Type III House Side Shield) | Lumens          | 1,723         | 2,160         | 2,767         | 3,603         | 4,410          | 4,609          | 4,005         | 5,021         | 6,432         | 8,082         | 8,781          |
|                                     | Lumens per Watt | 94.7          | 92.3          | 86.5          | 82.5          | 76.7           | 73.7           | 110           | 107.3         | 100.5         | 97            | 80.3           |
|                                     | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |



Nominal Power Lumens (5000K CCT, 70 CRI)

| Optics  |                 | 1A<br>(350mA) | 1B<br>(450MA) | 1C<br>(600mA) | 1D<br>(800MA) | 1E<br>(1050MA) | 1F<br>(1200MA) | 2A<br>(350mA) | 2B<br>(450MA) | 2C<br>(600MA) | 2D<br>(800MA) | 2E<br>(1050MA) |
|---|-----------------|---------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|
| T4FT (Type IV Forward Throw)                                  | Lumens          | 2,362         | 2,962         | 3,794         | 4,940         | 6,046          | 6,319          | 5,491         | 6,884         | 8,819         | 11,081        | 12,039         |
|   | Lumens per Watt | 129.8         | 126.6         | 118.6         | 113.1         | 105.1          | 101.1          | 150.8         | 147.1         | 137.8         | 133           | 110.1          |
|   | BUG Rating      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B2-U0-G3      | B2-U0-G3       |
| T4FT-HSS (Type IV Forward Throw House Side Shield)            | Lumens          | 1,713         | 2,148         | 2,752         | 3,583         | 4,385          | 4,583          | 3,982         | 4,993         | 6,396         | 8,037         | 8,732          |
|   | Lumens per Watt | 94.1          | 91.8          | 86            | 82            | 76.3           | 73.3           | 109.4         | 106.7         | 99.9          | 96.5          | 79.9           |
|   | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |
| T4W (Type IV Wide)  | Lumens          | 2,380         | 2,985         | 3,823         | 4,979         | 6,093          | 6,368          | 5,533         | 6,938         | 8,888         | 11,167        | 12,132         |
|   | Lumens per Watt | 130.8         | 127.5         | 119.5         | 113.9         | 106            | 101.9          | 152           | 148.2         | 138.9         | 134.1         | 111            |
|   | BUG Rating      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B2-U0-G3      | B2-U0-G3       |
| T4W-HSS (Type IV Wide House Side Shield)                      | Lumens          | 1,725         | 2,163         | 2,770         | 3,608         | 4,415          | 4,614          | 4,010         | 5,027         | 6,440         | 8,092         | 8,792          |
|   | Lumens per Watt | 94.8          | 92.4          | 86.6          | 82.6          | 76.8           | 73.8           | 110.2         | 107.4         | 100.6         | 97.1          | 80.4           |
|   | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |
| SL2 (Type II w/ Spill Control)                                | Lumens          | 2,340         | 2,933         | 3,758         | 4,893         | 5,989          | 6,259          | 5,439         | 6,819         | 8,735         | 10,976        | 11,925         |
|   | Lumens per Watt | 128.5         | 125.4         | 117.4         | 112           | 104.1          | 100.1          | 149.4         | 145.7         | 136.5         | 131.8         | 109.1          |
|   | BUG Rating      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B2-U0-G2      | B2-U0-G3      | B2-U0-G3       |
| SL2-HSS (Type II w/ Spill Control, House Side Shield)         | Lumens          | 1,896         | 2,377         | 3,045         | 3,965         | 4,853          | 5,072          | 4,407         | 5,526         | 7,079         | 8,894         | 9,663          |
|   | Lumens per Watt | 104.2         | 101.6         | 95.2          | 90.7          | 84.4           | 81.1           | 121.1         | 118.1         | 110.6         | 106.8         | 88.4           |
|   | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |
| SL3 (Type III w/ Spill Control)                               | Lumens          | 2,337         | 2,930         | 3,753         | 4,888         | 5,981          | 6,251          | 5,432         | 6,811         | 8,725         | 10,962        | 11,910         |
|   | Lumens per Watt | 128.4         | 125.2         | 117.3         | 111.8         | 104            | 100            | 149.2         | 145.5         | 136.3         | 131.6         | 109            |
|   | BUG Rating      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G3      | B2-U0-G3       |
| SL3-HSS (Type III w/ Spill Control, House Side Shield)        | Lumens          | 1,949         | 2,443         | 3,129         | 4,075         | 4,987          | 5,212          | 4,529         | 5,679         | 7,275         | 9,141         | 9,931          |
|   | Lumens per Watt | 107.1         | 104.4         | 97.8          | 93.3          | 86.7           | 83.4           | 124.4         | 121.3         | 113.7         | 109.7         | 90.9           |
|   | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2       | B1-U0-G2       | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |
| SL4 (Type III w/ Spill Control)                               | Lumens          | 2,298         | 2,882         | 3,691         | 4,807         | 5,883          | 6,148          | 5,343         | 6,699         | 8,581         | 10,782        | 11,714         |
|   | Lumens per Watt | 126.3         | 123.1         | 115.4         | 110           | 102.3          | 98.4           | 146.8         | 143.1         | 134.1         | 129.4         | 107.2          |
|   | BUG Rating      | B0-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G3      | B1-U0-G3       |
| SL4-HSS (Type III w/ Spill Control, House Side Shield)        | Lumens          | 1,948         | 2,442         | 3,128         | 4,073         | 4,985          | 5,210          | 4,527         | 5,676         | 7,271         | 9,136         | 9,926          |
|   | Lumens per Watt | 107           | 104.4         | 97.7          | 93.2          | 86.7           | 83.4           | 124.4         | 121.3         | 113.6         | 109.7         | 90.8           |
|   | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |
| SLR (90° Spill Light Eliminator Right)                        | Lumens          | 2,044         | 2,563         | 3,283         | 4,275         | 5,232          | 5,468          | 4,751         | 5,957         | 7,631         | 9,588         | 10,418         |
|   | Lumens per Watt | 112.3         | 109.5         | 102.6         | 97.8          | 91             | 87.5           | 130.5         | 127.3         | 119.2         | 115.1         | 95.3           |
|   | BUG Rating      | B0-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G3      | B2-U0-G3       |
| SLR-HSS (90° Spill Light Eliminator Right, House Side Shield) | Lumens          | 1,695         | 2,125         | 2,722         | 3,544         | 4,337          | 4,533          | 3,939         | 4,939         | 6,327         | 7,949         | 8,637          |
|   | Lumens per Watt | 93.1          | 90.8          | 85.1          | 81.1          | 75.4           | 72.5           | 108.2         | 105.5         | 98.9          | 95.4          | 79             |
|   | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |
| SLL (90° Spill Light Eliminator Left)                         | Lumens          | 2,044         | 2,563         | 3,283         | 4,275         | 5,232          | 5,468          | 4,751         | 5,957         | 7,631         | 9,588         | 10,418         |
|   | Lumens per Watt | 112.3         | 109.5         | 102.6         | 97.8          | 91             | 87.5           | 130.5         | 127.3         | 119.2         | 115.1         | 95.3           |
|   | BUG Rating      | B0-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G3      | B2-U0-G3       |
| SLL-HSS (90° Spill Light Eliminator Left, House Side Shield)  | Lumens          | 1,695         | 2,125         | 2,722         | 3,544         | 4,337          | 4,533          | 3,939         | 4,939         | 6,327         | 7,949         | 8,637          |
|   | Lumens per Watt | 93.1          | 90.8          | 85.1          | 81.1          | 75.4           | 72.5           | 108.2         | 105.5         | 98.9          | 95.4          | 79             |
|   | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |

Nominal Power Lumens (6000K CCT, 70 CRI)

| Optics  |                 | 1A<br>(350mA) | 1B<br>(450MA) | 1C<br>(600mA) | 1D<br>(800MA) | 1E<br>(1050MA) | 1F<br>(1200MA) | 2A<br>(350mA) | 2B<br>(450MA) | 2C<br>(600MA) | 2D<br>(800MA) | 2E<br>(1050MA) |
|---|-----------------|---------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|
| T2 (Type II)  | Lumens          | 2,358         | 2,956         | 3,787         | 4,931         | 6,035          | 6,307          | 5,481         | 6,872         | 8,803         | 11,061        | 12,017         |
|   | Lumens per Watt | 129.5         | 126.3         | 118.3         | 112.8         | 105            | 100.9          | 150.6         | 146.8         | 137.5         | 132.8         | 109.9          |
|   | BUG Rating      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2       | B1-U0-G2       | B1-U0-G1      | B1-U0-G2      | B2-U0-G2      | B2-U0-G2      | B2-U0-G2       |
| T2-HSS (Type II House Side Shield)                            | Lumens          | 1,709         | 2,143         | 2,745         | 3,575         | 4,375          | 4,572          | 3,973         | 4,981         | 6,381         | 8,018         | 8,711          |
|   | Lumens per Watt | 93.9          | 91.6          | 85.8          | 81.8          | 76.1           | 73.2           | 109.1         | 106.4         | 99.7          | 96.3          | 79.7           |
|   | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |
| T3 (Type III)   | Lumens          | 2,388         | 2,994         | 3,836         | 4,995         | 6,113          | 6,389          | 5,551         | 6,961         | 8,917         | 11,203        | 12,172         |
|   | Lumens per Watt | 131.2         | 128           | 119.9         | 114.3         | 106.3          | 102.2          | 152.5         | 148.7         | 139.3         | 134.5         | 111.4          |
|   | BUG Rating      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B2-U0-G2      | B2-U0-G2      | B2-U0-G2       |
| T3-HSS (Type III House Side Shield)                           | Lumens          | 1,723         | 2,160         | 2,767         | 3,603         | 4,410          | 4,609          | 4,005         | 5,021         | 6,432         | 8,082         | 8,781          |
|   | Lumens per Watt | 94.7          | 92.3          | 86.5          | 82.5          | 76.7           | 73.7           | 110           | 107.3         | 100.5         | 97            | 80.3           |
|   | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |
| T4FT (Type IV Forward Throw)                                  | Lumens          | 2,362         | 2,962         | 3,794         | 4,940         | 6,046          | 6,319          | 5,491         | 6,884         | 8,819         | 11,081        | 12,039         |
|   | Lumens per Watt | 129.8         | 126.6         | 118.6         | 113.1         | 105.1          | 101.1          | 150.8         | 147.1         | 137.8         | 133           | 110.1          |
|   | BUG Rating      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B2-U0-G3      | B2-U0-G3      | B2-U0-G3       |
| T4FT-HSS (Type IV Forward Throw House Side Shield)            | Lumens          | 1,713         | 2,148         | 2,752         | 3,583         | 4,385          | 4,583          | 3,982         | 4,993         | 6,396         | 8,037         | 8,732          |
|   | Lumens per Watt | 94.1          | 91.8          | 86            | 82            | 76.3           | 73.3           | 109.4         | 106.7         | 99.9          | 96.5          | 79.9           |
|   | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |
| T4W (Type IV Wide)  | Lumens          | 2,380         | 2,985         | 3,823         | 4,979         | 6,093          | 6,368          | 5,533         | 6,938         | 8,888         | 11,167        | 12,132         |
|   | Lumens per Watt | 130.8         | 127.5         | 119.5         | 113.9         | 106            | 101.9          | 152           | 148.2         | 138.9         | 134.1         | 111            |
|   | BUG Rating      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B2-U0-G3      | B2-U0-G3      | B2-U0-G3       |
| T4W-HSS (Type IV Wide House Side Shield)                      | Lumens          | 1,725         | 2,163         | 2,770         | 3,608         | 4,415          | 4,614          | 4,010         | 5,027         | 6,440         | 8,092         | 8,792          |
|   | Lumens per Watt | 94.8          | 92.4          | 86.6          | 82.6          | 76.8           | 73.8           | 110.2         | 107.4         | 100.6         | 97.1          | 80.4           |
|   | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |
| SL2 (Type II w/ Spill Control)                                | Lumens          | 2,340         | 2,933         | 3,758         | 4,893         | 5,989          | 6,259          | 5,439         | 6,819         | 8,735         | 10,976        | 11,925         |
|   | Lumens per Watt | 128.5         | 125.4         | 117.4         | 112           | 104.1          | 100.1          | 149.4         | 145.7         | 136.5         | 131.8         | 109.1          |
|   | BUG Rating      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B2-U0-G2      | B2-U0-G3      | B2-U0-G3      | B2-U0-G3       |
| SL2-HSS (Type II w/ Spill Control, House Side Shield)         | Lumens          | 1,896         | 2,377         | 3,045         | 3,965         | 4,853          | 5,072          | 4,407         | 5,526         | 7,079         | 8,894         | 9,663          |
|   | Lumens per Watt | 104.2         | 101.6         | 95.2          | 90.7          | 84.4           | 81.1           | 121.1         | 118.1         | 110.6         | 106.8         | 88.4           |
|   | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |
| SL3 (Type III w/ Spill Control)                               | Lumens          | 2,337         | 2,930         | 3,753         | 4,888         | 5,981          | 6,251          | 5,432         | 6,811         | 8,725         | 10,962        | 11,910         |
|   | Lumens per Watt | 128.4         | 125.2         | 117.3         | 111.8         | 104            | 100            | 149.2         | 145.5         | 136.3         | 131.6         | 109            |
|   | BUG Rating      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G3      | B2-U0-G3      | B2-U0-G3       |
| SL3-HSS (Type III w/ Spill Control, House Side Shield)        | Lumens          | 1,949         | 2,443         | 3,129         | 4,075         | 4,987          | 5,212          | 4,529         | 5,679         | 7,275         | 9,141         | 9,931          |
|   | Lumens per Watt | 107.1         | 104.4         | 97.8          | 93.3          | 86.7           | 83.4           | 124.4         | 121.3         | 113.7         | 109.7         | 90.9           |
|   | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2       | B1-U0-G2       | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |
| SL4 (Type III w/ Spill Control)                               | Lumens          | 2,298         | 2,882         | 3,691         | 4,807         | 5,883          | 6,148          | 5,343         | 6,699         | 8,581         | 10,782        | 11,714         |
|   | Lumens per Watt | 126.3         | 123.1         | 115.4         | 110           | 102.3          | 98.4           | 146.8         | 143.1         | 134.1         | 129.4         | 107.2          |
|   | BUG Rating      | B0-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G3      | B1-U0-G3      | B1-U0-G3       |
| SL4-HSS (Type III w/ Spill Control, House Side Shield)        | Lumens          | 1,948         | 2,442         | 3,128         | 4,073         | 4,985          | 5,210          | 4,527         | 5,676         | 7,271         | 9,136         | 9,926          |
|   | Lumens per Watt | 107           | 104.4         | 97.7          | 93.2          | 86.7           | 83.4           | 124.4         | 121.3         | 113.6         | 109.7         | 90.8           |
|   | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |
| SLR (90° Spill Light Eliminator Right)                        | Lumens          | 2,044         | 2,563         | 3,283         | 4,275         | 5,232          | 5,468          | 4,751         | 5,957         | 7,631         | 9,588         | 10,418         |
|   | Lumens per Watt | 112.3         | 109.5         | 102.6         | 97.8          | 91             | 87.5           | 130.5         | 127.3         | 119.2         | 115.1         | 95.3           |
|   | BUG Rating      | B0-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G3      | B2-U0-G3      | B2-U0-G3       |
| SLR-HSS (90° Spill Light Eliminator Right, House Side Shield) | Lumens          | 1,695         | 2,125         | 2,722         | 3,544         | 4,337          | 4,533          | 3,939         | 4,939         | 6,327         | 7,949         | 8,637          |
|   | Lumens per Watt | 93.1          | 90.8          | 85.1          | 81.1          | 75.4           | 72.5           | 108.2         | 105.5         | 98.9          | 95.4          | 79             |
|   | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |

Nominal Power Lumens (6000K CCT, 70 CRI)

| Optics   |                 | 1A<br>(350mA) | 1B<br>(450MA) | 1C<br>(600mA) | 1D<br>(800MA) | 1E<br>(1050MA) | 1F<br>(1200MA) | 2A<br>(350mA) | 2B<br>(450MA) | 2C<br>(600MA) | 2D<br>(800MA) | 2E<br>(1050MA) |
|--|-----------------|---------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|
| SLL (90° Spill Light Eliminator Left)                        | Lumens          | 2,044         | 2,563         | 3,283         | 4,275         | 5,232          | 5,468          | 4,751         | 5,957         | 7,631         | 9,588         | 10,418         |
|  | Lumens per Watt | 112.3         | 109.5         | 102.6         | 97.8          | 91             | 87.5           | 130.5         | 127.3         | 119.2         | 115.1         | 95.3           |
|  | BUG Rating      | B0-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G3      | B2-U0-G3       |
| SLL-HSS (90° Spill Light Eliminator Left, House Side Shield) | Lumens          | 1,695         | 2,125         | 2,722         | 3,544         | 4,337          | 4,533          | 3,939         | 4,939         | 6,327         | 7,949         | 8,637          |
|  | Lumens per Watt | 93.1          | 90.8          | 85.1          | 81.1          | 75.4           | 72.5           | 108.2         | 105.5         | 98.9          | 95.4          | 79             |
|  | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |

Nominal Power Lumens (2700K CCT, 80 CRI)

| Optics   |                 | 1A<br>(350mA) | 1B<br>(450MA) | 1C<br>(600mA) | 1D<br>(800MA) | 1E<br>(1050MA) | 1F<br>(1200MA) | 2A<br>(350mA) | 2B<br>(450MA) | 2C<br>(600MA) | 2D<br>(800MA) | 2E<br>(1050MA) |
|--|-----------------|---------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|
| T2 (Type II)   | Lumens          | 1,694         | 2,124         | 2,721         | 3,544         | 4,337          | 4,533          | 3,939         | 4,938         | 6,326         | 7,949         | 8,636          |
|  | Lumens per Watt | 93.1          | 90.8          | 85            | 81.1          | 75.4           | 72.5           | 108.2         | 105.5         | 98.8          | 95.4          | 79             |
|  | BUG Rating      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B2-U0-G2       |
| T2-HSS (Type II House Side Shield)                     | Lumens          | 1,228         | 1,540         | 1,973         | 2,569         | 3,144          | 3,286          | 2,855         | 3,580         | 4,586         | 5,762         | 6,260          |
|  | Lumens per Watt | 67.5          | 65.8          | 61.6          | 58.8          | 54.7           | 52.6           | 78.4          | 76.5          | 71.7          | 69.2          | 57.3           |
|  | BUG Rating      | B0-U0-G0      | B0-U0-G0      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1       |
| T3 (Type III)  | Lumens          | 1,716         | 2,152         | 2,756         | 3,590         | 4,393          | 4,591          | 3,990         | 5,002         | 6,408         | 8,051         | 8,747          |
|  | Lumens per Watt | 94.3          | 92            | 86.1          | 82.1          | 76.4           | 73.5           | 109.6         | 106.9         | 100.1         | 96.7          | 80             |
|  | BUG Rating      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B2-U0-G2      | B2-U0-G2       |
| T3-HSS (Type III House Side Shield)                    | Lumens          | 1,238         | 1,552         | 1,989         | 2,590         | 3,169          | 3,312          | 2,878         | 3,609         | 4,623         | 5,808         | 6,310          |
|  | Lumens per Watt | 68            | 66.3          | 62.1          | 59.3          | 55.1           | 53             | 79.1          | 77.1          | 72.2          | 69.7          | 57.7           |
|  | BUG Rating      | B0-U0-G0      | B0-U0-G0      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1       | B1-U0-G1       | B0-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2       |
| T4FT (Type IV Forward Throw)                           | Lumens          | 1,698         | 2,128         | 2,726         | 3,550         | 4,345          | 4,541          | 3,946         | 4,947         | 6,338         | 7,963         | 8,652          |
|  | Lumens per Watt | 93.3          | 91            | 85.2          | 81.2          | 75.6           | 72.7           | 108.4         | 105.7         | 99            | 95.6          | 79.2           |
|  | BUG Rating      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G3      | B2-U0-G3       |
| T4FT-HSS (Type IV Forward Throw House Side Shield)     | Lumens          | 1,231         | 1,544         | 1,977         | 2,575         | 3,151          | 3,293          | 2,862         | 3,588         | 4,597         | 5,776         | 6,275          |
|  | Lumens per Watt | 67.6          | 66            | 61.8          | 58.9          | 54.8           | 52.7           | 78.6          | 76.7          | 71.8          | 69.3          | 57.4           |
|  | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1       | B1-U0-G1       | B0-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |
| T4W (Type IV Wide)                                     | Lumens          | 1,711         | 2,145         | 2,748         | 3,578         | 4,379          | 4,576          | 3,977         | 4,986         | 6,387         | 8,025         | 8,719          |
|  | Lumens per Watt | 94            | 91.7          | 85.9          | 81.9          | 76.2           | 73.2           | 109.2         | 106.5         | 99.8          | 96.3          | 79.8           |
|  | BUG Rating      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B2-U0-G2      | B2-U0-G2       |
| T4W-HSS (Type IV Wide House Side Shield)               | Lumens          | 1,240         | 1,554         | 1,991         | 2,593         | 3,173          | 3,316          | 2,882         | 3,613         | 4,628         | 5,815         | 6,318          |
|  | Lumens per Watt | 68.1          | 66.4          | 62.2          | 59.3          | 55.2           | 53.1           | 79.2          | 77.2          | 72.3          | 69.8          | 57.8           |
|  | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1       | B0-U0-G1       | B0-U0-G1      | B0-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |
| SL2 (Type II w/ Spill Control)                         | Lumens          | 1,681         | 2,108         | 2,700         | 3,517         | 4,304          | 4,498          | 3,908         | 4,900         | 6,278         | 7,887         | 8,570          |
|  | Lumens per Watt | 92.4          | 90.1          | 84.4          | 80.5          | 74.8           | 72             | 107.4         | 104.7         | 98.1          | 94.7          | 78.4           |
|  | BUG Rating      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B2-U0-G3      | B2-U0-G3       |
| SL2-HSS (Type II w/ Spill Control, House Side Shield)  | Lumens          | 1,363         | 1,708         | 2,188         | 2,850         | 3,488          | 3,645          | 3,167         | 3,971         | 5,087         | 6,392         | 6,944          |
|  | Lumens per Watt | 74.9          | 73            | 68.4          | 65.2          | 60.7           | 58.3           | 87            | 84.9          | 79.5          | 76.7          | 63.5           |
|  | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2       |
| SL3 (Type III w/ Spill Control)                        | Lumens          | 1,679         | 2,106         | 2,697         | 3,512         | 4,299          | 4,492          | 3,904         | 4,895         | 6,270         | 7,878         | 8,559          |
|  | Lumens per Watt | 92.3          | 90            | 84.3          | 80.4          | 74.8           | 71.9           | 107.2         | 104.6         | 98            | 94.6          | 78.3           |
|  | BUG Rating      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G3      | B1-U0-G3       |
| SL3-HSS (Type III w/ Spill Control, House Side Shield) | Lumens          | 1,400         | 1,756         | 2,249         | 2,929         | 3,584          | 3,746          | 3,255         | 4,081         | 5,228         | 6,569         | 7,137          |
|  | Lumens per Watt | 76.9          | 75            | 70.3          | 67            | 62.3           | 59.9           | 89.4          | 87.2          | 81.7          | 78.9          | 65.3           |
|  | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |
| SL4 (Type III w/ Spill Control)                        | Lumens          | 1,652         | 2,071         | 2,653         | 3,455         | 4,228          | 4,418          | 3,839         | 4,814         | 6,167         | 7,748         | 8,418          |
|  | Lumens per Watt | 90.8          | 88.5          | 82.9          | 79.1          | 73.5           | 70.7           | 105.5         | 102.9         | 96.4          | 93            | 77             |
|  | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G3       |

Nominal Power Lumens (2700K CCT, 80 CRI)

| Optics  |                 | 1A<br>(350mA) | 1B<br>(450MA) | 1C<br>(600mA) | 1D<br>(800MA) | 1E<br>(1050MA) | 1F<br>(1200MA) | 2A<br>(350mA) | 2B<br>(450MA) | 2C<br>(600MA) | 2D<br>(800MA) | 2E<br>(1050MA) |
|---|-----------------|---------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|
| SL4-HSS (Type III w/ Spill Control, House Side Shield)        | Lumens          | 1,400         | 1,755         | 2,248         | 2,927         | 3,582          | 3,744          | 3,253         | 4,079         | 5,226         | 6,566         | 7,133          |
|   | Lumens per Watt | 76.9          | 75            | 70.2          | 67            | 62.3           | 59.9           | 89.4          | 87.2          | 81.6          | 78.8          | 65.3           |
|   | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1       | B1-U0-G1       | B0-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |
| SLR (90° Spill Light Eliminator Right)                        | Lumens          | 1,469         | 1,842         | 2,359         | 3,072         | 3,760          | 3,929          | 3,414         | 4,281         | 5,484         | 6,891         | 7,487          |
|   | Lumens per Watt | 80.7          | 78.7          | 73.7          | 70.3          | 65.4           | 62.9           | 93.8          | 91.5          | 85.7          | 82.7          | 68.5           |
|   | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G3       |
| SLR-HSS (90° Spill Light Eliminator Right, House Side Shield) | Lumens          | 1,218         | 1,527         | 1,956         | 2,547         | 3,117          | 3,258          | 2,831         | 3,549         | 4,547         | 5,713         | 6,207          |
|   | Lumens per Watt | 66.9          | 65.2          | 61.1          | 58.3          | 54.2           | 52.1           | 77.8          | 75.8          | 71            | 68.6          | 56.8           |
|   | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2       |
| SLL (90° Spill Light Eliminator Left)                         | Lumens          | 1,469         | 1,842         | 2,359         | 3,072         | 3,760          | 3,929          | 3,414         | 4,281         | 5,484         | 6,891         | 7,487          |
|   | Lumens per Watt | 80.7          | 78.7          | 73.7          | 70.3          | 65.4           | 62.9           | 93.8          | 91.5          | 85.7          | 82.7          | 68.5           |
|   | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G3       |
| SLL-HSS (90° Spill Light Eliminator Left, House Side Shield)  | Lumens          | 1,218         | 1,527         | 1,956         | 2,547         | 3,117          | 3,258          | 2,831         | 3,549         | 4,547         | 5,713         | 6,207          |
|   | Lumens per Watt | 66.9          | 65.2          | 61.1          | 58.3          | 54.2           | 52.1           | 77.8          | 75.8          | 71            | 68.6          | 56.8           |
|   | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2       |

Nominal Power Lumens (3000K CCT, 80 CRI)

| Optics   |                 | 1A<br>(350mA) | 1B<br>(450MA) | 1C<br>(600mA) | 1D<br>(800MA) | 1E<br>(1050MA) | 1F<br>(1200MA) | 2A<br>(350mA) | 2B<br>(450MA) | 2C<br>(600MA) | 2D<br>(800MA) | 2E<br>(1050MA) |
|--|-----------------|---------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|
| T2 (Type II)                                       | Lumens          | 1,832         | 2,296         | 2,942         | 3,831         | 4,688          | 4,900          | 4,258         | 5,338         | 6,838         | 8,592         | 9,335          |
|  | Lumens per Watt | 100.6         | 98.1          | 91.9          | 87.7          | 81.5           | 78.4           | 117           | 114.1         | 106.8         | 103.1         | 85.4           |
|  | BUG Rating      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B2-U0-G2      | B2-U0-G2       |
| T2-HSS (Type II House Side Shield)                 | Lumens          | 1,328         | 1,665         | 2,132         | 2,777         | 3,398          | 3,552          | 3,086         | 3,870         | 4,957         | 6,228         | 6,767          |
|  | Lumens per Watt | 73            | 71.1          | 66.6          | 63.5          | 59.1           | 56.8           | 84.8          | 82.7          | 77.5          | 74.8          | 61.9           |
|  | BUG Rating      | B0-U0-G0      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2       |
| T3 (Type III)                                      | Lumens          | 1,855         | 2,326         | 2,980         | 3,880         | 4,749          | 4,963          | 4,312         | 5,407         | 6,927         | 8,703         | 9,455          |
|  | Lumens per Watt | 101.9         | 99.4          | 93.1          | 88.8          | 82.6           | 79.4           | 118.5         | 115.5         | 108.2         | 104.5         | 86.5           |
|  | BUG Rating      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B2-U0-G2      | B2-U0-G2       |
| T3-HSS (Type III House Side Shield)                | Lumens          | 1,338         | 1,678         | 2,149         | 2,799         | 3,426          | 3,580          | 3,111         | 3,901         | 4,997         | 6,278         | 6,821          |
|  | Lumens per Watt | 73.5          | 71.7          | 67.2          | 64.1          | 59.6           | 57.3           | 85.5          | 83.3          | 78.1          | 75.4          | 62.4           |
|  | BUG Rating      | B0-U0-G0      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |
| T4FT (Type IV Forward Throw)                       | Lumens          | 1,835         | 2,301         | 2,947         | 3,838         | 4,697          | 4,908          | 4,265         | 5,348         | 6,851         | 8,608         | 9,352          |
|  | Lumens per Watt | 100.8         | 98.3          | 92.1          | 87.8          | 81.7           | 78.5           | 117.2         | 114.3         | 107           | 103.3         | 85.6           |
|  | BUG Rating      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B2-U0-G3      | B2-U0-G3       |
| T4FT-HSS (Type IV Forward Throw House Side Shield) | Lumens          | 1,331         | 1,669         | 2,137         | 2,783         | 3,406          | 3,560          | 3,094         | 3,879         | 4,969         | 6,243         | 6,783          |
|  | Lumens per Watt | 73.1          | 71.3          | 66.8          | 63.7          | 59.2           | 57             | 85            | 82.9          | 77.6          | 74.9          | 62.1           |
|  | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |
| T4W (Type IV Wide)                                 | Lumens          | 1,849         | 2,318         | 2,970         | 3,868         | 4,733          | 4,947          | 4,298         | 5,389         | 6,904         | 8,675         | 9,425          |
|  | Lumens per Watt | 101.6         | 99.1          | 92.8          | 88.5          | 82.3           | 79.1           | 118.1         | 115.2         | 107.9         | 104.1         | 86.2           |
|  | BUG Rating      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B2-U0-G2      | B2-U0-G3       |
| T4W-HSS (Type IV Wide House Side Shield)           | Lumens          | 1,340         | 1,680         | 2,152         | 2,803         | 3,430          | 3,585          | 3,115         | 3,905         | 5,003         | 6,286         | 6,830          |
|  | Lumens per Watt | 73.6          | 71.8          | 67.3          | 64.1          | 59.6           | 57.4           | 85.6          | 83.4          | 78.2          | 75.5          | 62.5           |
|  | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1       | B0-U0-G1       | B0-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |
| SL2 (Type II w/ Spill Control)                     | Lumens          | 1,818         | 2,279         | 2,919         | 3,801         | 4,652          | 4,862          | 4,225         | 5,297         | 6,786         | 8,526         | 9,263          |
|  | Lumens per Watt | 99.9          | 97.4          | 91.2          | 87            | 80.9           | 77.8           | 116.1         | 113.2         | 106           | 102.4         | 84.7           |
|  | BUG Rating      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B2-U0-G2      | B2-U0-G3      | B2-U0-G3       |

Nominal Power Lumens (3000K CCT, 80 CRI)

| Optics  |                 | 1A<br>(350mA) | 1B<br>(450MA) | 1C<br>(600mA) | 1D<br>(800MA) | 1E<br>(1050MA) | 1F<br>(1200MA) | 2A<br>(350mA) | 2B<br>(450MA) | 2C<br>(600MA) | 2D<br>(800MA) | 2E<br>(1050MA) |
|---|-----------------|---------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|
| SL2-HSS (Type II w/ Spill Control, House Side Shield)         | Lumens          | 1,473         | 1,847         | 2,365         | 3,080         | 3,770          | 3,940          | 3,423         | 4,292         | 5,499         | 6,909         | 7,506          |
|   | Lumens per Watt | 80.9          | 78.9          | 73.9          | 70.5          | 65.6           | 63             | 94            | 91.7          | 85.9          | 82.9          | 68.7           |
|   | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2       |
| SL3 (Type III w/ Spill Control)                               | Lumens          | 1,815         | 2,276         | 2,915         | 3,797         | 4,646          | 4,856          | 4,220         | 5,291         | 6,778         | 8,516         | 9,252          |
|   | Lumens per Watt | 99.7          | 97.3          | 91.1          | 86.9          | 80.8           | 77.7           | 115.9         | 113           | 105.9         | 102.2         | 84.6           |
|   | BUG Rating      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G3      | B2-U0-G3       |
| SL3-HSS (Type III w/ Spill Control, House Side Shield)        | Lumens          | 1,514         | 1,898         | 2,431         | 3,166         | 3,874          | 4,049          | 3,518         | 4,411         | 5,651         | 7,100         | 7,714          |
|   | Lumens per Watt | 83.2          | 81.1          | 76            | 72.4          | 67.4           | 64.8           | 96.7          | 94.3          | 88.3          | 85.2          | 70.6           |
|   | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |
| SL4 (Type III w/ Spill Control)                               | Lumens          | 1,785         | 2,239         | 2,868         | 3,734         | 4,570          | 4,776          | 4,150         | 5,204         | 6,666         | 8,376         | 9,100          |
|   | Lumens per Watt | 98.1          | 95.7          | 89.6          | 85.5          | 79.5           | 76.4           | 114           | 111.2         | 104.2         | 100.5         | 83.3           |
|   | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G3      | B1-U0-G3       |
| SL4-HSS (Type III w/ Spill Control, House Side Shield)        | Lumens          | 1,513         | 1,897         | 2,430         | 3,164         | 3,872          | 4,047          | 3,517         | 4,409         | 5,649         | 7,097         | 7,711          |
|   | Lumens per Watt | 83.1          | 81.1          | 75.9          | 72.4          | 67.3           | 64.8           | 96.6          | 94.2          | 88.3          | 85.2          | 70.5           |
|   | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1       | B1-U0-G1       | B0-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |
| SLR (90° Spill Light Eliminator Right)                        | Lumens          | 1,588         | 1,991         | 2,550         | 3,321         | 4,064          | 4,247          | 3,691         | 4,628         | 5,928         | 7,448         | 8,093          |
|   | Lumens per Watt | 87.2          | 85.1          | 79.7          | 76            | 70.7           | 68             | 101.4         | 98.9          | 92.6          | 89.4          | 74             |
|   | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G3      | B1-U0-G3       |
| SLR-HSS (90° Spill Light Eliminator Right, House Side Shield) | Lumens          | 1,316         | 1,650         | 2,114         | 2,753         | 3,369          | 3,521          | 3,060         | 3,837         | 4,915         | 6,175         | 6,709          |
|   | Lumens per Watt | 72.3          | 70.5          | 66.1          | 63            | 58.6           | 56.3           | 84.1          | 82            | 76.8          | 74.1          | 61.4           |
|   | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |
| SLL (90° Spill Light Eliminator Left)                         | Lumens          | 1,588         | 1,991         | 2,550         | 3,321         | 4,064          | 4,247          | 3,691         | 4,628         | 5,928         | 7,448         | 8,093          |
|   | Lumens per Watt | 87.2          | 85.1          | 79.7          | 76            | 70.7           | 68             | 101.4         | 98.9          | 92.6          | 89.4          | 74             |
|   | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G3      | B1-U0-G3       |
| SLL-HSS (90° Spill Light Eliminator Left, House Side Shield)  | Lumens          | 1,316         | 1,650         | 2,114         | 2,753         | 3,369          | 3,521          | 3,060         | 3,837         | 4,915         | 6,175         | 6,709          |
|   | Lumens per Watt | 72.3          | 70.5          | 66.1          | 63            | 58.6           | 56.3           | 84.1          | 82            | 76.8          | 74.1          | 61.4           |
|   | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |

Nominal Power Lumens (3500K CCT, 80 CRI)

| Optics   |                 | 1A<br>(350mA) | 1B<br>(450MA) | 1C<br>(600mA) | 1D<br>(800MA) | 1E<br>(1050MA) | 1F<br>(1200MA) | 2A<br>(350mA) | 2B<br>(450MA) | 2C<br>(600MA) | 2D<br>(800MA) | 2E<br>(1050MA) |
|--|-----------------|---------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|
| T2 (Type II)                                       | Lumens          | 1,899         | 2,381         | 3,050         | 3,973         | 4,862          | 5,081          | 4,415         | 5,536         | 7,091         | 8,910         | 9,680          |
|  | Lumens per Watt | 104.4         | 101.8         | 95.3          | 90.9          | 84.5           | 81.3           | 121.3         | 118.3         | 110.8         | 107           | 88.6           |
|  | BUG Rating      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B2-U0-G2       |
| T2-HSS (Type II House Side Shield)                 | Lumens          | 1,377         | 1,726         | 2,211         | 2,880         | 3,524          | 3,683          | 3,200         | 4,013         | 5,141         | 6,459         | 7,017          |
|  | Lumens per Watt | 75.6          | 73.8          | 69.1          | 65.9          | 61.3           | 58.9           | 87.9          | 85.7          | 80.3          | 77.5          | 64.2           |
|  | BUG Rating      | B0-U0-G0      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2       |
| T3 (Type III)                                      | Lumens          | 1,924         | 2,412         | 3,090         | 4,024         | 4,924          | 5,146          | 4,472         | 5,607         | 7,183         | 9,025         | 9,805          |
|  | Lumens per Watt | 105.7         | 103.1         | 96.6          | 92.1          | 85.6           | 82.3           | 122.9         | 119.8         | 112.2         | 108.3         | 89.7           |
|  | BUG Rating      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B2-U0-G2      | B2-U0-G2       |
| T3-HSS (Type III House Side Shield)                | Lumens          | 1,388         | 1,740         | 2,229         | 2,903         | 3,552          | 3,713          | 3,226         | 4,045         | 5,182         | 6,511         | 7,073          |
|  | Lumens per Watt | 76.3          | 74.4          | 69.7          | 66.4          | 61.8           | 59.4           | 88.6          | 86.4          | 81            | 78.2          | 64.7           |
|  | BUG Rating      | B0-U0-G0      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |
| T4FT (Type IV Forward Throw)                       | Lumens          | 1,903         | 2,386         | 3,056         | 3,980         | 4,870          | 5,090          | 4,423         | 5,546         | 7,104         | 8,926         | 9,698          |
|  | Lumens per Watt | 104.5         | 101.9         | 95.5          | 91.1          | 84.7           | 81.4           | 121.5         | 118.5         | 111           | 107.2         | 88.7           |
|  | BUG Rating      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B2-U0-G3      | B2-U0-G3       |
| T4FT-HSS (Type IV Forward Throw House Side Shield) | Lumens          | 1,380         | 1,730         | 2,217         | 2,886         | 3,532          | 3,692          | 3,208         | 4,022         | 5,153         | 6,474         | 7,034          |
|  | Lumens per Watt | 75.8          | 73.9          | 69.3          | 66.1          | 61.4           | 59.1           | 88.1          | 85.9          | 80.5          | 77.7          | 64.4           |
|  | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |

Nominal Power Lumens (3500K CCT, 80 CRI)

| Optics  |                 | 1A<br>(350mA) | 1B<br>(450MA) | 1C<br>(600mA) | 1D<br>(800MA) | 1E<br>(1050MA) | 1F<br>(1200MA) | 2A<br>(350mA) | 2B<br>(450MA) | 2C<br>(600MA) | 2D<br>(800MA) | 2E<br>(1050MA) |
|---|-----------------|---------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|
| T4W (Type IV Wide)  | Lumens          | 1,918         | 2,404         | 3,080         | 4,011         | 4,908          | 5,130          | 4,457         | 5,589         | 7,159         | 8,995         | 9,773          |
|   | Lumens per Watt | 105.4         | 102.7         | 96.2          | 91.8          | 85.4           | 82.1           | 122.5         | 119.4         | 111.9         | 108           | 89.4           |
|   | BUG Rating      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B2-U0-G2      | B2-U0-G3       |
| T4W-HSS (Type IV Wide House Side Shield)                      | Lumens          | 1,390         | 1,742         | 2,232         | 2,906         | 3,557          | 3,717          | 3,230         | 4,050         | 5,188         | 6,519         | 7,082          |
|   | Lumens per Watt | 76.3          | 74.5          | 69.7          | 66.5          | 61.9           | 59.5           | 88.7          | 86.5          | 81.1          | 78.3          | 64.8           |
|   | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1       | B0-U0-G1       | B0-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |
| SL2 (Type II w/ Spill Control)                                | Lumens          | 1,885         | 2,363         | 3,027         | 3,942         | 4,824          | 5,042          | 4,381         | 5,493         | 7,037         | 8,841         | 9,606          |
|   | Lumens per Watt | 103.6         | 101           | 94.6          | 90.2          | 83.9           | 80.7           | 120.4         | 117.4         | 109.9         | 106.1         | 87.9           |
|   | BUG Rating      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B2-U0-G2      | B2-U0-G3      | B2-U0-G3       |
| SL2-HSS (Type II w/ Spill Control, House Side Shield)         | Lumens          | 1,527         | 1,915         | 2,453         | 3,194         | 3,909          | 4,086          | 3,550         | 4,451         | 5,702         | 7,165         | 7,784          |
|   | Lumens per Watt | 83.9          | 81.8          | 76.7          | 73.1          | 68             | 65.4           | 97.5          | 95.1          | 89.1          | 86            | 71.2           |
|   | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |
| SL3 (Type III w/ Spill Control)                               | Lumens          | 1,882         | 2,360         | 3,023         | 3,937         | 4,818          | 5,036          | 4,376         | 5,486         | 7,028         | 8,831         | 9,594          |
|   | Lumens per Watt | 103.4         | 100.9         | 94.5          | 90.1          | 83.8           | 80.6           | 120.2         | 117.2         | 109.8         | 106           | 87.8           |
|   | BUG Rating      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G3      | B2-U0-G3       |
| SL3-HSS (Type III w/ Spill Control, House Side Shield)        | Lumens          | 1,570         | 1,968         | 2,521         | 3,283         | 4,018          | 4,199          | 3,649         | 4,575         | 5,860         | 7,363         | 8,000          |
|   | Lumens per Watt | 86.2          | 84.1          | 78.8          | 75.1          | 69.9           | 67.2           | 100.2         | 97.7          | 91.6          | 88.4          | 73.2           |
|   | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |
| SL4 (Type III w/ Spill Control)                               | Lumens          | 1,852         | 2,321         | 2,974         | 3,872         | 4,739          | 4,953          | 4,304         | 5,396         | 6,913         | 8,685         | 9,436          |
|   | Lumens per Watt | 101.7         | 99.2          | 92.9          | 88.6          | 82.4           | 79.2           | 118.2         | 115.3         | 108           | 104.3         | 86.3           |
|   | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G3      | B1-U0-G3       |
| SL4-HSS (Type III w/ Spill Control, House Side Shield)        | Lumens          | 1,569         | 1,967         | 2,520         | 3,281         | 4,016          | 4,197          | 3,647         | 4,572         | 5,858         | 7,360         | 7,996          |
|   | Lumens per Watt | 86.2          | 84.1          | 78.7          | 75.1          | 69.8           | 67.1           | 100.2         | 97.7          | 91.5          | 88.4          | 73.2           |
|   | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1       | B1-U0-G1       | B0-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |
| SLR (90° Spill Light Eliminator Right)                        | Lumens          | 1,647         | 2,064         | 2,644         | 3,444         | 4,215          | 4,405          | 3,827         | 4,799         | 6,148         | 7,724         | 8,392          |
|   | Lumens per Watt | 90.5          | 88.2          | 82.6          | 78.8          | 73.3           | 70.5           | 105.1         | 102.5         | 96.1          | 92.7          | 76.8           |
|   | BUG Rating      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G3      | B1-U0-G3       |
| SLR-HSS (90° Spill Light Eliminator Right, House Side Shield) | Lumens          | 1,365         | 1,712         | 2,192         | 2,855         | 3,494          | 3,652          | 3,173         | 3,979         | 5,097         | 6,404         | 6,957          |
|   | Lumens per Watt | 75            | 73.1          | 68.5          | 65.3          | 60.8           | 58.4           | 87.2          | 85            | 79.6          | 76.9          | 63.7           |
|   | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |
| SLL (90° Spill Light Eliminator Left)                         | Lumens          | 1,647         | 2,064         | 2,644         | 3,444         | 4,215          | 4,405          | 3,827         | 4,799         | 6,148         | 7,724         | 8,392          |
|   | Lumens per Watt | 90.5          | 88.2          | 82.6          | 78.8          | 73.3           | 70.5           | 105.1         | 102.5         | 96.1          | 92.7          | 76.8           |
|   | BUG Rating      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G3      | B1-U0-G3       |
| SLL-HSS (90° Spill Light Eliminator Left, House Side Shield)  | Lumens          | 1,365         | 1,712         | 2,192         | 2,855         | 3,494          | 3,652          | 3,173         | 3,979         | 5,097         | 6,404         | 6,957          |
|   | Lumens per Watt | 75            | 73.1          | 68.5          | 65.3          | 60.8           | 58.4           | 87.2          | 85            | 79.6          | 76.9          | 63.7           |
|   | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |

Nominal Power Lumens (4000K CCT, 80 CRI)

| Optics                             |                 | 1A<br>(350mA) | 1B<br>(450MA) | 1C<br>(600mA) | 1D<br>(800MA) | 1E<br>(1050MA) | 1F<br>(1200MA) | 2A<br>(350mA) | 2B<br>(450MA) | 2C<br>(600MA) | 2D<br>(800MA) | 2E<br>(1050MA) |
|------------------------------------|-----------------|---------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|
| T2 (Type II)                       | Lumens          | 1,965         | 2,464         | 3,156         | 4,110         | 5,030          | 5,257          | 4,568         | 5,728         | 7,338         | 9,219         | 10,016         |
|                                    | Lumens per Watt | 108           | 105.3         | 98.6          | 94.1          | 87.5           | 84.1           | 125.5         | 122.4         | 114.6         | 110.7         | 91.6           |
|                                    | BUG Rating      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B2-U0-G2       |
| T2-HSS (Type II House Side Shield) | Lumens          | 1,425         | 1,786         | 2,288         | 2,980         | 3,647          | 3,811          | 3,312         | 4,152         | 5,319         | 6,683         | 7,261          |
|                                    | Lumens per Watt | 78.3          | 76.3          | 71.5          | 68.2          | 63.4           | 61             | 91            | 88.7          | 83.1          | 80.2          | 66.4           |
|                                    | BUG Rating      | B0-U0-G0      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2       |
| T3 (Type III)                      | Lumens          | 1,991         | 2,496         | 3,197         | 4,163         | 5,095          | 5,325          | 4,627         | 5,802         | 7,432         | 9,338         | 10,146         |
|                                    | Lumens per Watt | 109.4         | 106.7         | 99.9          | 95.3          | 88.6           | 85.2           | 127.1         | 124           | 116.1         | 112.1         | 92.8           |
|                                    | BUG Rating      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G2       | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B2-U0-G2      | B2-U0-G2       |

Nominal Power Lumens (4000K CCT, 80 CRI)

| Optics  |                 | 1A<br>(350mA) | 1B<br>(450MA) | 1C<br>(600mA) | 1D<br>(800MA) | 1E<br>(1050MA) | 1F<br>(1200MA) | 2A<br>(350mA) | 2B<br>(450MA) | 2C<br>(600MA) | 2D<br>(800MA) | 2E<br>(1050MA) |
|---|-----------------|---------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|
| T3-HSS (Type III House Side Shield)                           | Lumens          | 1,436         | 1,801         | 2,306         | 3,004         | 3,676          | 3,841          | 3,338         | 4,185         | 5,362         | 6,736         | 7,319          |
|   | Lumens per Watt | 78.9          | 76.9          | 72.1          | 68.7          | 63.9           | 61.5           | 91.7          | 89.4          | 83.8          | 80.9          | 67             |
|   | BUG Rating      | B0-U0-G0      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2       |
| T4FT (Type IV Forward Throw)                                  | Lumens          | 1,969         | 2,468         | 3,162         | 4,118         | 5,039          | 5,267          | 4,577         | 5,738         | 7,351         | 9,236         | 10,034         |
|   | Lumens per Watt | 108.2         | 105.5         | 98.8          | 94.2          | 87.6           | 84.3           | 125.7         | 122.6         | 114.9         | 110.9         | 91.8           |
|   | BUG Rating      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B2-U0-G3       |
| T4FT-HSS (Type IV Forward Throw House Side Shield)            | Lumens          | 1,428         | 1,790         | 2,293         | 2,987         | 3,655          | 3,820          | 3,319         | 4,162         | 5,331         | 6,699         | 7,278          |
|   | Lumens per Watt | 78.5          | 76.5          | 71.7          | 68.3          | 63.6           | 61.1           | 91.2          | 88.9          | 83.3          | 80.4          | 66.6           |
|   | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |
| T4W (Type IV Wide)  | Lumens          | 1,984         | 2,488         | 3,187         | 4,150         | 5,079          | 5,308          | 4,612         | 5,783         | 7,408         | 9,308         | 10,113         |
|   | Lumens per Watt | 109           | 106.3         | 99.6          | 95            | 88.3           | 84.9           | 126.7         | 123.6         | 115.7         | 111.7         | 92.5           |
|   | BUG Rating      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B2-U0-G2      | B2-U0-G3       |
| T4W-HSS (Type IV Wide House Side Shield)                      | Lumens          | 1,438         | 1,803         | 2,309         | 3,007         | 3,680          | 3,846          | 3,342         | 4,190         | 5,368         | 6,745         | 7,328          |
|   | Lumens per Watt | 79            | 77            | 72.2          | 68.8          | 64             | 61.5           | 91.8          | 89.5          | 83.9          | 81            | 67             |
|   | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1       | B1-U0-G2       | B0-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |
| SL2 (Type II w/ Spill Control)                                | Lumens          | 1,950         | 2,445         | 3,132         | 4,079         | 4,992          | 5,217          | 4,533         | 5,684         | 7,281         | 9,148         | 9,939          |
|   | Lumens per Watt | 107.1         | 104.5         | 97.9          | 93.3          | 86.8           | 83.5           | 124.5         | 121.4         | 113.8         | 109.8         | 90.9           |
|   | BUG Rating      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B2-U0-G2      | B2-U0-G3       |
| SL2-HSS (Type II w/ Spill Control, House Side Shield)         | Lumens          | 1,580         | 1,981         | 2,538         | 3,305         | 4,045          | 4,227          | 3,673         | 4,606         | 5,900         | 7,413         | 8,054          |
|   | Lumens per Watt | 86.8          | 84.7          | 79.3          | 75.6          | 70.3           | 67.6           | 100.9         | 98.4          | 92.2          | 89            | 73.7           |
|   | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2       |
| SL3 (Type III w/ Spill Control)                               | Lumens          | 1,948         | 2,442         | 3,128         | 4,074         | 4,986          | 5,210          | 4,528         | 5,677         | 7,272         | 9,137         | 9,927          |
|   | Lumens per Watt | 107           | 104.4         | 97.8          | 93.2          | 86.7           | 83.4           | 124.4         | 121.3         | 113.6         | 109.7         | 90.8           |
|   | BUG Rating      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B2-U0-G3       |
| SL3-HSS (Type III w/ Spill Control, House Side Shield)        | Lumens          | 1,624         | 2,036         | 2,608         | 3,397         | 4,157          | 4,345          | 3,775         | 4,733         | 6,064         | 7,619         | 8,278          |
|   | Lumens per Watt | 89.2          | 87            | 81.5          | 77.7          | 72.3           | 69.5           | 103.7         | 101.1         | 94.7          | 91.5          | 75.7           |
|   | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2       |
| SL4 (Type III w/ Spill Control)                               | Lumens          | 1,916         | 2,402         | 3,077         | 4,007         | 4,904          | 5,125          | 4,453         | 5,583         | 7,153         | 8,987         | 9,764          |
|   | Lumens per Watt | 105.3         | 102.6         | 96.2          | 91.7          | 85.3           | 82             | 122.3         | 119.3         | 111.8         | 107.9         | 89.3           |
|   | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G3       |
| SL4-HSS (Type III w/ Spill Control, House Side Shield)        | Lumens          | 1,623         | 2,035         | 2,607         | 3,395         | 4,155          | 4,342          | 3,773         | 4,731         | 6,061         | 7,615         | 8,274          |
|   | Lumens per Watt | 89.2          | 87            | 81.5          | 77.7          | 72.3           | 69.5           | 103.7         | 101.1         | 94.7          | 91.4          | 75.7           |
|   | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |
| SLR (90° Spill Light Eliminator Right)                        | Lumens          | 1,704         | 2,136         | 2,736         | 3,563         | 4,361          | 4,557          | 3,960         | 4,965         | 6,361         | 7,992         | 8,683          |
|   | Lumens per Watt | 93.6          | 91.3          | 85.5          | 81.5          | 75.8           | 72.9           | 108.8         | 106.1         | 99.4          | 95.9          | 79.4           |
|   | BUG Rating      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G3       |
| SLR-HSS (90° Spill Light Eliminator Right, House Side Shield) | Lumens          | 1,412         | 1,771         | 2,269         | 2,954         | 3,615          | 3,778          | 3,283         | 4,117         | 5,273         | 6,626         | 7,199          |
|   | Lumens per Watt | 77.6          | 75.7          | 70.9          | 67.6          | 62.9           | 60.5           | 90.2          | 88            | 82.4          | 79.5          | 65.9           |
|   | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2       |
| SLL (90° Spill Light Eliminator Left)                         | Lumens          | 1,704         | 2,136         | 2,736         | 3,563         | 4,361          | 4,557          | 3,960         | 4,965         | 6,361         | 7,992         | 8,683          |
|   | Lumens per Watt | 93.6          | 91.3          | 85.5          | 81.5          | 75.8           | 72.9           | 108.8         | 106.1         | 99.4          | 95.9          | 79.4           |
|   | BUG Rating      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G3       |
| SLL-HSS (90° Spill Light Eliminator Left, House Side Shield)  | Lumens          | 1,412         | 1,771         | 2,269         | 2,954         | 3,615          | 3,778          | 3,283         | 4,117         | 5,273         | 6,626         | 7,199          |
|   | Lumens per Watt | 77.6          | 75.7          | 70.9          | 67.6          | 62.9           | 60.5           | 90.2          | 88            | 82.4          | 79.5          | 65.9           |
|   | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2       |

Nominal Power Lumens (5000K CCT, 80 CRI)

| Optics   |                 | 1A<br>(350mA) | 1B<br>(450MA) | 1C<br>(600mA) | 1D<br>(800MA) | 1E<br>(1050MA) | 1F<br>(1200MA) | 2A<br>(350mA) | 2B<br>(450MA) | 2C<br>(600MA) | 2D<br>(800MA) | 2E<br>(1050MA) |
|--|-----------------|---------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|
| T2 (Type II)   | Lumens          | 2,012         | 2,522         | 3,231         | 4,208         | 5,150          | 5,382          | 4,677         | 5,864         | 7,511         | 9,438         | 10,254         |
|  | Lumens per Watt | 110.5         | 107.8         | 101           | 96.3          | 89.6           | 86.1           | 128.5         | 125.3         | 117.4         | 113.3         | 93.8           |
|  | BUG Rating      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B2-U0-G2       |
| T2-HSS (Type II House Side Shield)                     | Lumens          | 1,458         | 1,829         | 2,342         | 3,050         | 3,733          | 3,901          | 3,390         | 4,250         | 5,445         | 6,841         | 7,433          |
|  | Lumens per Watt | 80.1          | 78.1          | 73.2          | 69.8          | 64.9           | 62.4           | 93.1          | 90.8          | 85.1          | 82.1          | 68             |
|  | BUG Rating      | B0-U0-G0      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2       |
| T3 (Type III)  | Lumens          | 2,038         | 2,555         | 3,273         | 4,262         | 5,216          | 5,451          | 4,737         | 5,939         | 7,608         | 9,559         | 10,386         |
|  | Lumens per Watt | 112           | 109.2         | 102.3         | 97.5          | 90.7           | 87.2           | 130.1         | 126.9         | 118.9         | 114.8         | 95             |
|  | BUG Rating      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G2       | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B2-U0-G2      | B2-U0-G2       |
| T3-HSS (Type III House Side Shield)                    | Lumens          | 1,470         | 1,843         | 2,361         | 3,075         | 3,763          | 3,932          | 3,417         | 4,284         | 5,489         | 6,896         | 7,492          |
|  | Lumens per Watt | 80.8          | 78.8          | 73.8          | 70.4          | 65.4           | 62.9           | 93.9          | 91.5          | 85.8          | 82.8          | 68.5           |
|  | BUG Rating      | B0-U0-G0      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2       |
| T4FT (Type IV Forward Throw)                           | Lumens          | 2,015         | 2,527         | 3,237         | 4,215         | 5,159          | 5,391          | 4,685         | 5,874         | 7,525         | 9,455         | 10,272         |
|  | Lumens per Watt | 110.7         | 108           | 101.2         | 96.5          | 89.7           | 86.3           | 128.7         | 125.5         | 117.6         | 113.5         | 94             |
|  | BUG Rating      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B2-U0-G3       |
| T4FT-HSS (Type IV Forward Throw House Side Shield)     | Lumens          | 1,462         | 1,833         | 2,348         | 3,057         | 3,742          | 3,910          | 3,398         | 4,260         | 5,458         | 6,857         | 7,450          |
|  | Lumens per Watt | 80.3          | 78.3          | 73.4          | 70            | 65.1           | 62.6           | 93.3          | 91            | 85.3          | 82.3          | 68.2           |
|  | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G2       | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |
| T4W (Type IV Wide)                                     | Lumens          | 2,031         | 2,547         | 3,262         | 4,248         | 5,199          | 5,433          | 4,721         | 5,920         | 7,583         | 9,528         | 10,352         |
|  | Lumens per Watt | 111.6         | 108.8         | 101.9         | 97.2          | 90.4           | 86.9           | 129.7         | 126.5         | 118.5         | 114.4         | 94.7           |
|  | BUG Rating      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B2-U0-G2      | B2-U0-G3       |
| T4W-HSS (Type IV Wide House Side Shield)               | Lumens          | 1,472         | 1,845         | 2,364         | 3,078         | 3,767          | 3,937          | 3,421         | 4,290         | 5,495         | 6,905         | 7,502          |
|  | Lumens per Watt | 80.9          | 78.9          | 73.9          | 70.4          | 65.5           | 63             | 94            | 91.7          | 85.9          | 82.9          | 68.6           |
|  | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1       | B1-U0-G2       | B0-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |
| SL2 (Type II w/ Spill Control)                         | Lumens          | 1,996         | 2,503         | 3,206         | 4,175         | 5,110          | 5,340          | 4,641         | 5,818         | 7,454         | 9,365         | 10,175         |
|  | Lumens per Watt | 109.7         | 107           | 100.2         | 95.5          | 88.9           | 85.4           | 127.5         | 124.3         | 116.5         | 112.4         | 93.1           |
|  | BUG Rating      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B2-U0-G2      | B2-U0-G3       |
| SL2-HSS (Type II w/ Spill Control, House Side Shield)  | Lumens          | 1,618         | 2,028         | 2,598         | 3,384         | 4,141          | 4,327          | 3,760         | 4,715         | 6,040         | 7,589         | 8,245          |
|  | Lumens per Watt | 88.9          | 86.7          | 81.2          | 77.4          | 72             | 69.2           | 103.3         | 100.7         | 94.4          | 91.1          | 75.4           |
|  | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2       |
| SL3 (Type III w/ Spill Control)                        | Lumens          | 1,994         | 2,500         | 3,202         | 4,170         | 5,104          | 5,334          | 4,635         | 5,811         | 7,445         | 9,354         | 10,162         |
|  | Lumens per Watt | 109.6         | 106.8         | 100.1         | 95.4          | 88.8           | 85.3           | 127.3         | 124.2         | 116.3         | 112.3         | 93             |
|  | BUG Rating      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G3      | B2-U0-G3       |
| SL3-HSS (Type III w/ Spill Control, House Side Shield) | Lumens          | 1,663         | 2,085         | 2,670         | 3,477         | 4,256          | 4,447          | 3,865         | 4,846         | 6,207         | 7,799         | 8,474          |
|  | Lumens per Watt | 91.4          | 89.1          | 83.4          | 79.6          | 74             | 71.2           | 106.2         | 103.5         | 97            | 93.6          | 77.5           |
|  | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |
| SL4 (Type III w/ Spill Control)                        | Lumens          | 1,961         | 2,459         | 3,150         | 4,102         | 5,020          | 5,246          | 4,559         | 5,716         | 7,322         | 9,200         | 9,995          |
|  | Lumens per Watt | 107.8         | 105.1         | 98.4          | 93.9          | 87.3           | 83.9           | 125.2         | 122.1         | 114.4         | 110.4         | 91.4           |
|  | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G3       |
| SL4-HSS (Type III w/ Spill Control, House Side Shield) | Lumens          | 1,662         | 2,084         | 2,669         | 3,476         | 4,254          | 4,445          | 3,863         | 4,843         | 6,204         | 7,795         | 8,470          |
|  | Lumens per Watt | 91.3          | 89            | 83.4          | 79.5          | 74             | 71.1           | 106.1         | 103.5         | 96.9          | 93.6          | 77.5           |
|  | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1       | B1-U0-G2       | B1-U0-G1      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2       |
| SLR (90° Spill Light Eliminator Right)                 | Lumens          | 1,744         | 2,187         | 2,801         | 3,648         | 4,464          | 4,665          | 4,054         | 5,083         | 6,512         | 8,181         | 8,889          |
|  | Lumens per Watt | 95.8          | 93.4          | 87.5          | 83.5          | 77.6           | 74.6           | 111.4         | 108.6         | 101.7         | 98.2          | 81.3           |
|  | BUG Rating      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G3      | B1-U0-G3       |



Nominal Power Lumens (5000K CCT, 80 CRI)

| Optics  |                 | 1A<br>(350mA) | 1B<br>(450MA) | 1C<br>(600mA) | 1D<br>(800MA) | 1E<br>(1050MA) | 1F<br>(1200MA) | 2A<br>(350mA) | 2B<br>(450MA) | 2C<br>(600MA) | 2D<br>(800MA) | 2E<br>(1050MA) |
|---|-----------------|---------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|
| SLR-HSS (90° Spill Light Eliminator Right, House Side Shield) | Lumens          | 1,446         | 1,813         | 2,322         | 3,024         | 3,701          | 3,868          | 3,361         | 4,214         | 5,398         | 6,783         | 7,369          |
|   | Lumens per Watt | 79.4          | 77.5          | 72.6          | 69.2          | 64.4           | 61.9           | 92.3          | 90            | 84.4          | 81.4          | 67.4           |
|   | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2       |
| SLL (90° Spill Light Eliminator Left)                         | Lumens          | 1,744         | 2,187         | 2,801         | 3,648         | 4,464          | 4,665          | 4,054         | 5,083         | 6,512         | 8,181         | 8,889          |
|   | Lumens per Watt | 95.8          | 93.4          | 87.5          | 83.5          | 77.6           | 74.6           | 111.4         | 108.6         | 101.7         | 98.2          | 81.3           |
|   | BUG Rating      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2       | B1-U0-G2       | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G2      | B1-U0-G3       |
| SLL-HSS (90° Spill Light Eliminator Left, House Side Shield)  | Lumens          | 1,446         | 1,813         | 2,322         | 3,024         | 3,701          | 3,868          | 3,361         | 4,214         | 5,398         | 6,783         | 7,369          |
|   | Lumens per Watt | 79.4          | 77.5          | 72.6          | 69.2          | 64.4           | 61.9           | 92.3          | 90            | 84.4          | 81.4          | 67.4           |
|   | BUG Rating      | B0-U0-G1      | B0-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G1       | B1-U0-G1       | B1-U0-G1      | B1-U0-G1      | B1-U0-G1      | B1-U0-G2      | B1-U0-G2       |