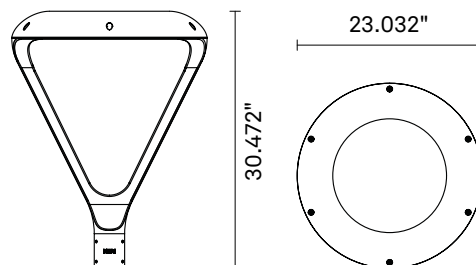


**Lang | Luminaire | 2 light sources**



### Ordering Information / Guide

Example: LULAN03-U-D03-827-L035-ST-V0-F35-MU-CN0

| Optics         | Ra+K               | Luminous flux             | Lens              | Voltage         | Driver Function  | ISO Class | Finish                      |
|----------------|--------------------|---------------------------|-------------------|-----------------|------------------|-----------|-----------------------------|
| D03<br>T2      | 827<br>Ra80 2700 K | L035<br>3500 lm           | ST<br>Transparent | V0<br>120V-277V | F35<br>0-10V+CLO | MU<br>UL  | CN0<br>Grey [Neri] Textured |
| D06<br>T2 + T3 | 830<br>Ra80 3000 K | L045<br>4500 lm           | SP<br>Prismatic   |                 | F11<br>NEMA-3    |           |                             |
| D12<br>T2 + T4 | 840<br>Ra80 4000 K | L050<br>5000 lm           |                   |                 |                  |           |                             |
| D05<br>T3      |                    | L053<br>5300 lm           |                   |                 |                  |           |                             |
| D07<br>T3 + T3 |                    | L068<br>6800 lm           |                   |                 |                  |           |                             |
| D08<br>T3 + T4 |                    | L070<br>7000 lm           |                   |                 |                  |           |                             |
| D11<br>T4      |                    | L075<br>7500 lm           |                   |                 |                  |           |                             |
| D13<br>T4 + T4 |                    | L113<br>11300 lm          |                   |                 |                  |           |                             |
| D14<br>T5      |                    | L120<br>12000 lm          |                   |                 |                  |           |                             |
|                |                    | LX01<br>4500 lm + 4500 lm |                   |                 |                  |           |                             |
|                |                    | LX02<br>6000 lm + 3000 lm |                   |                 |                  |           |                             |

Generated code: **LULAN03 - U** - - - - -

## CONFIGURATION NOTES

**CONFIGURATION NOTES**  
The product features shown in this datasheet cannot always be freely combined.

To verify the configurations actually available and define the corresponding product code, please use the configurator available on our website.

Lang | Luminaire | 2 light sources

SOURCE

|                                    |                                     |
|------------------------------------|-------------------------------------|
| High-power LED matrix.             |                                     |
| Energy-efficiency class            | D, E                                |
| LED forward current                | 278-804 mA                          |
| Power rating                       | 24.7-110.8 W                        |
| Nominal Flux                       | 3500-12000 lm                       |
| Nominal CCT (Color temperature)    | 2700 K, 3000 K, 4000 K              |
| Color Rendering Index (Ra)         | 80                                  |
| Standard Deviation Colour Matching | ≤5                                  |
| ANSI/IES TM-30                     | Rf = 84-85 Rg = 97-98               |
| Rated lifetime                     | L80 = 100000 h (Ts = 85 °C, 700 mA) |

LIGHTING CHARACTERISTICS

|                                        |                                                                                     |
|----------------------------------------|-------------------------------------------------------------------------------------|
| Modular 3x3 refractive lenses in PMMA. |                                                                                     |
| Optics                                 | T2, T2 + T3, T2 + T4, T3, T3 + T3, T3 + T4, T4, T4 + T4, T5<br>LOR = 100% ULOR = 0% |
| Optical efficiency                     |                                                                                     |
| LED quantity                           | 32, 48, 64                                                                          |
| Cutoff Angle                           | Cutoff, Semi Cutoff C = 5, 215°<br>γ = 2, 70°                                       |
| Luminous flux                          | 3500-12000 lm                                                                       |
| Luminous efficacy                      | 90-119 lm/W                                                                         |
| BUG                                    | B=1-3, U=1, G=1-3                                                                   |
| Photobiological safety                 | RG1 - Low risk                                                                      |

ELECTRICAL CHARACTERISTICS

|                       |                                                     |
|-----------------------|-----------------------------------------------------|
| Luminaire power       | 30.1-125.2 W                                        |
| Voltage               | 120V-277V~ 50/60Hz                                  |
| Power factor          | ≥0.99                                               |
| Insulation class      | UL                                                  |
| Control type - driver | 0-10V+CLO, NEMA-3                                   |
| Safe Flicker          | PstLM=<1 e SVM=<0,4 (IEC TR 61547-1 e IEC TR 63158) |
| Ambient temperature   | -31 °F / +95 °F                                     |
| Driver included       | Yes                                                 |
| Cable type            | 5GAWG18 SJTW                                        |
| Cable length          | 3.281 ft                                            |
| Surge protection      | 6kV CM - 6kV DM                                     |

MECHANICAL CHARACTERISTICS

|                                                                                                                                                            |                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Structure made of cast and sheet aluminum (UNI EN 1706) with an internal extruded aluminum heat sink and a screw-open top cover.                           |                      |
| Extra-clear prismaticized flat glass screen with double screen and white polycarbonate recovery reflector.                                                 |                      |
| Equipped with an osmotic valve for internal/external pressure balancing and a compartment designed for surge protection devices or remote control systems. |                      |
| Stainless steel screws.                                                                                                                                    |                      |
| Diameter                                                                                                                                                   | 23.032 in            |
| Height                                                                                                                                                     | 30.472 in            |
| Weight                                                                                                                                                     | 41.34 lb             |
| EPA                                                                                                                                                        | 1.61 ft²             |
| Protection degree                                                                                                                                          | IP66                 |
| Mechanical resistance                                                                                                                                      | IK08                 |
| Finish                                                                                                                                                     | Grey [Neri] Textured |

INSTALLATION

|                                                                                                     |
|-----------------------------------------------------------------------------------------------------|
| Post-top installation on Ø 2", Ø 2 1/2", and Ø 3" poles                                             |
| Pole-top mounting on Ø 2-3/8" tubes (with reducing ring) and on Ø 3" tubes (without reducing ring). |
| Flush-mounted on Ø 3-1/2" tubes.                                                                    |

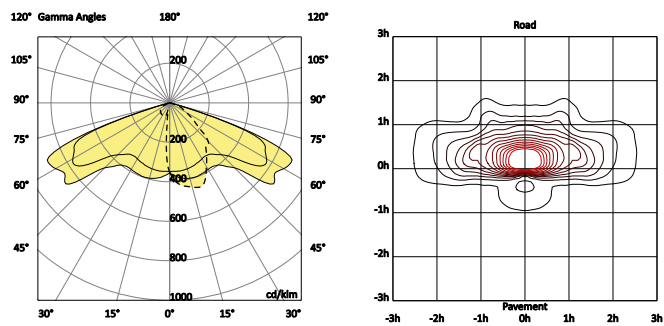
WARNINGS

|                                                                                                    |
|----------------------------------------------------------------------------------------------------|
| Luminaire designed for disposal/recycling at end-of-life.                                          |
| Replaceable (LED only) light source by a professional.                                             |
| Replaceable control gear by a professional.                                                        |
| Protection of surfaces: please refer to the specification on painting procedures of the materials. |

Lang | Luminaire | 2 light sources

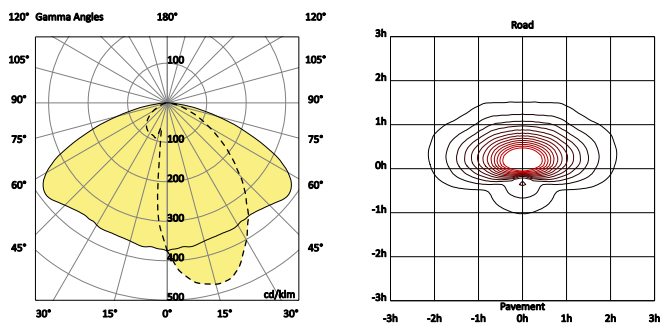
Optic: T2

Lens: Transparent



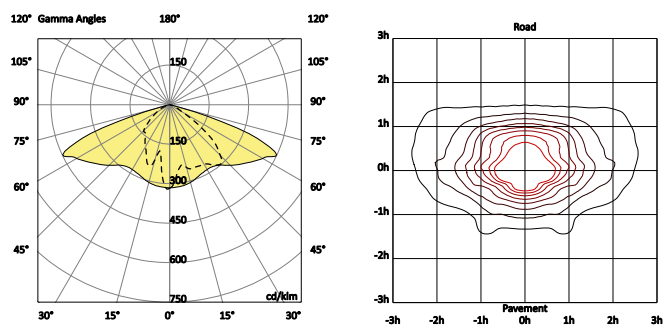
Optic: T2

Lens: Prismatic



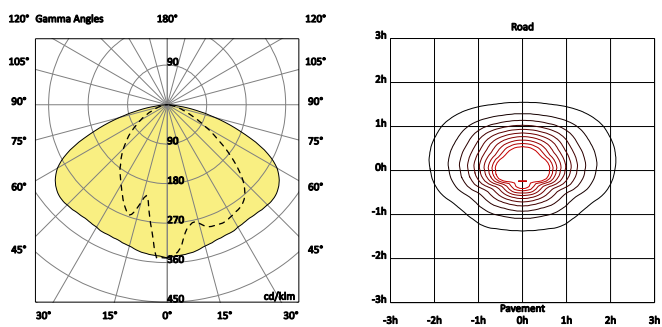
Optic: T2 + T3

Lens: Transparent



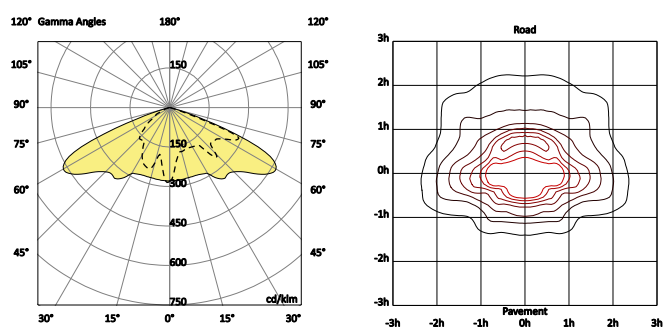
Optic: T2 + T3

Lens: Prismatic



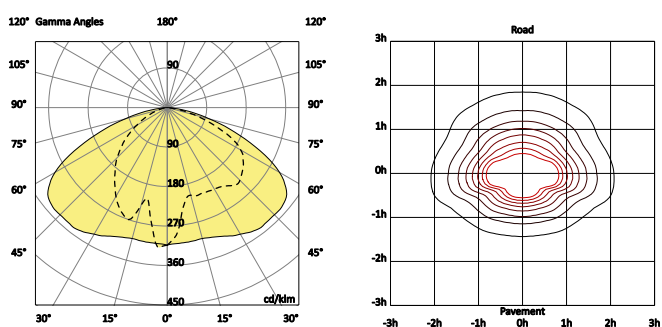
Optic: T2 + T4

Lens: Transparent



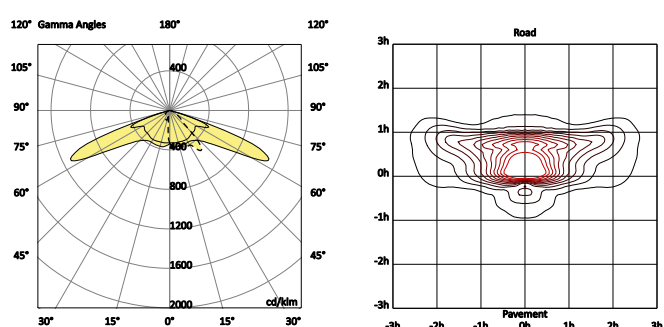
Optic: T2 + T4

Lens: Prismatic



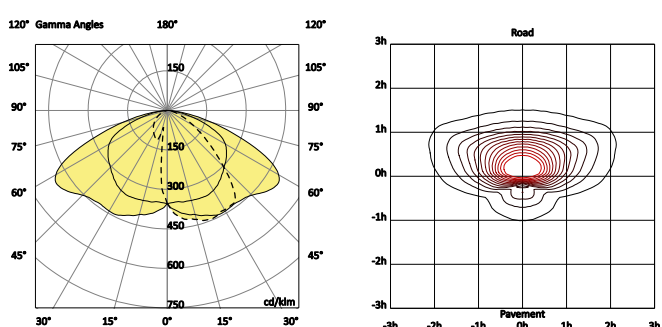
Optic: T3

Lens: Transparent



Optic: T3

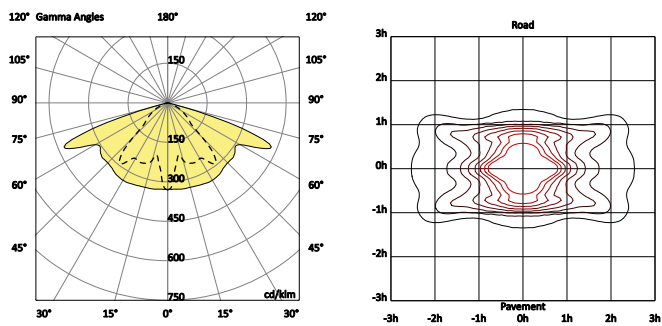
Lens: Prismatic



Lang | Luminaire | 2 light sources

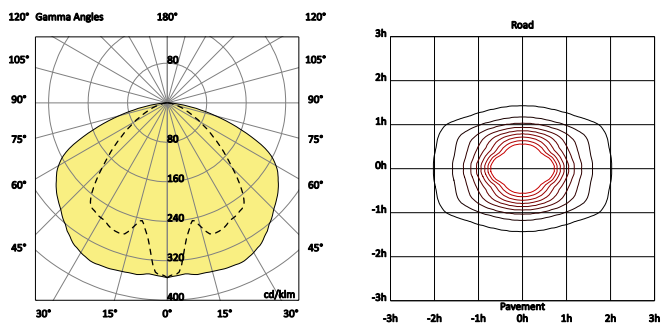
Optic: T3 + T3

Lens: Transparent



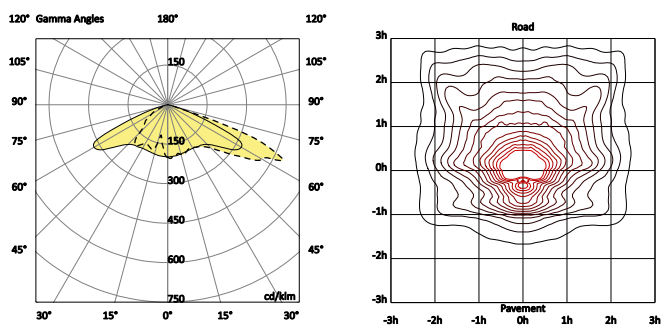
Optic: T3 + T3

Lens: Prismatic



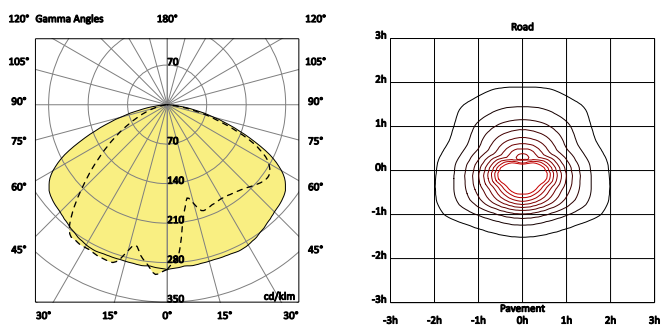
Optic: T3 + T4

Lens: Transparent



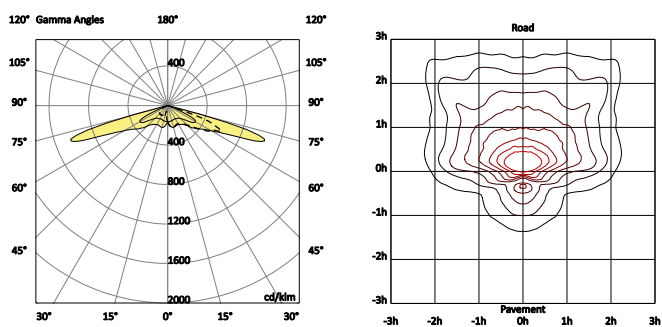
Optic: T3 + T4

Lens: Prismatic



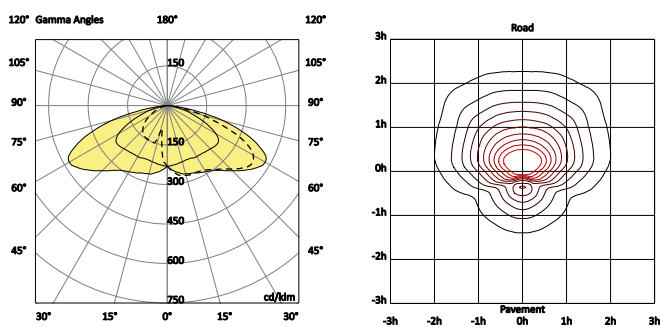
Optic: T4

Lens: Transparent



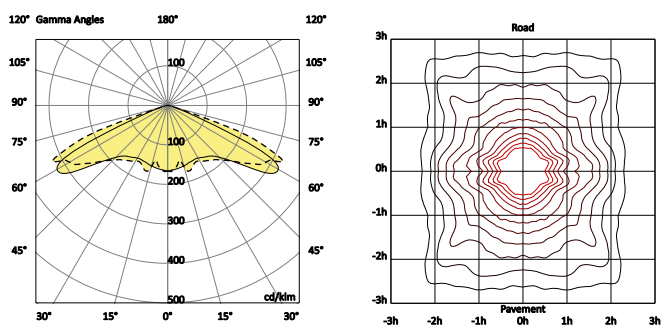
Optic: T4

Lens: Prismatic



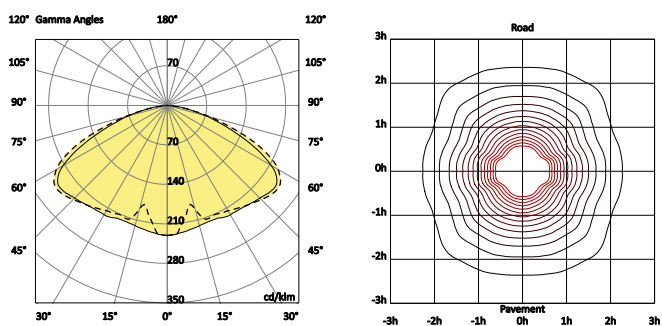
Optic: T4 + T4

Lens: Transparent



Optic: T4 + T4

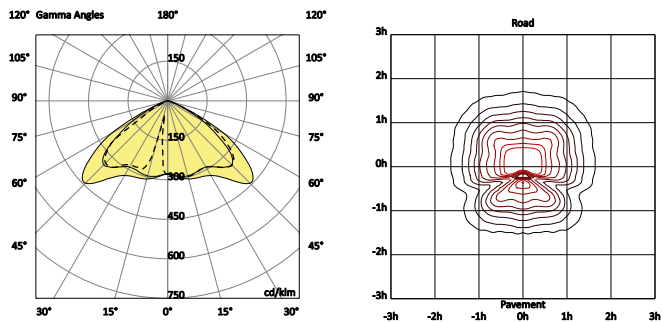
Lens: Prismatic



Lang | Luminaire | 2 light sources

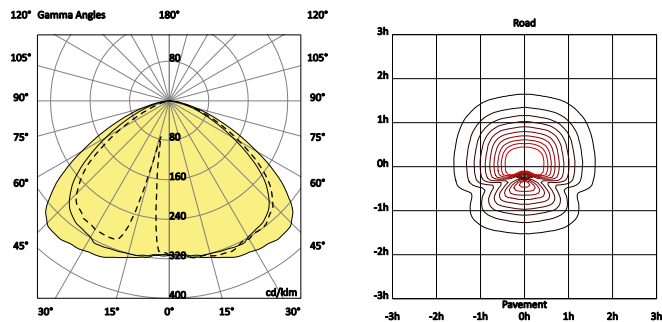
Optic: T5

Lens: Transparent



Optic: T5

Lens: Prismatic



Lang | Luminaire | 2 light sources

Optic: T2

Lens: Transparent

| System        |             |      |      |        | Source |      |      | BUG       |         |       |
|---------------|-------------|------|------|--------|--------|------|------|-----------|---------|-------|
| Luminous Flux | Nominal CCT | W    | lm/W | n° led | mA     | W    | lm/W | Backlight | Uplight | Glare |
| 3500 lm       | 2700 K      | 33.3 | 105  | 32     | 308    | 27.5 | 127  | 1         | 1       | 1     |
| 3500 lm       | 3000 K      | 31.8 | 110  | 32     | 294    | 26.2 | 134  | 1         | 1       | 1     |
| 3500 lm       | 4000 K      | 30.1 | 116  | 32     | 278    | 24.7 | 142  | 1         | 1       | 1     |
| 4500 lm       | 2700 K      | 44   | 102  | 32     | 411    | 37   | 122  | 1         | 1       | 1     |
| 4500 lm       | 3000 K      | 42   | 107  | 32     | 391    | 35.2 | 128  | 1         | 1       | 1     |
| 4500 lm       | 4000 K      | 39.8 | 113  | 32     | 369    | 33.2 | 136  | 1         | 1       | 1     |
| 6000 lm       | 2700 K      | 61.4 | 98   | 32     | 581    | 52.9 | 113  | 1         | 1       | 1     |
| 6000 lm       | 3000 K      | 58.4 | 103  | 32     | 551    | 50.1 | 120  | 1         | 1       | 1     |
| 6000 lm       | 4000 K      | 55.2 | 109  | 32     | 519    | 47.1 | 127  | 1         | 1       | 1     |
| 7500 lm       | 2700 K      | 80.2 | 94   | 32     | 769    | 70.5 | 106  | 1         | 1       | 1     |
| 7500 lm       | 3000 K      | 76.3 | 98   | 32     | 728    | 66.8 | 112  | 1         | 1       | 1     |
| 7500 lm       | 4000 K      | 71.7 | 105  | 32     | 684    | 62.5 | 120  | 1         | 1       | 1     |

Optic: T2

Lens: Prismatic

| System        |             |      |      |        | Source |      |      | BUG       |         |       |
|---------------|-------------|------|------|--------|--------|------|------|-----------|---------|-------|
| Luminous Flux | Nominal CCT | W    | lm/W | n° led | mA     | W    | lm/W | Backlight | Uplight | Glare |
| 3500 lm       | 2700 K      | 34.6 | 101  | 32     | 321    | 28.6 | 122  | 1         | 1       | 1     |
| 3500 lm       | 3000 K      | 33.1 | 106  | 32     | 306    | 27.3 | 128  | 1         | 1       | 1     |
| 3500 lm       | 4000 K      | 31.2 | 112  | 32     | 289    | 25.7 | 136  | 1         | 1       | 1     |
| 4500 lm       | 2700 K      | 45.8 | 98   | 32     | 428    | 38.6 | 117  | 1         | 1       | 1     |
| 4500 lm       | 3000 K      | 43.7 | 103  | 32     | 408    | 36.7 | 123  | 1         | 1       | 1     |
| 4500 lm       | 4000 K      | 41.3 | 109  | 32     | 385    | 34.6 | 130  | 1         | 1       | 1     |
| 6000 lm       | 2700 K      | 64   | 94   | 32     | 606    | 55.3 | 108  | 1         | 1       | 1     |
| 6000 lm       | 3000 K      | 60.9 | 99   | 32     | 575    | 52.4 | 115  | 1         | 1       | 1     |
| 6000 lm       | 4000 K      | 57.4 | 105  | 32     | 541    | 49.2 | 122  | 1         | 1       | 1     |
| 7500 lm       | 2700 K      | 83.7 | 90   | 32     | 804    | 73.8 | 102  | 2         | 1       | 1     |
| 7500 lm       | 3000 K      | 79.5 | 94   | 32     | 761    | 69.9 | 107  | 2         | 1       | 1     |
| 7500 lm       | 4000 K      | 74.7 | 100  | 32     | 714    | 65.4 | 115  | 2         | 1       | 1     |

Lang | Luminaire | 2 light sources

Optic: T2 + T3

Lens: Transparent

| System        |             |       |      |        | Source |       |      | BUG       |         |       |
|---------------|-------------|-------|------|--------|--------|-------|------|-----------|---------|-------|
| Luminous Flux | Nominal CCT | W     | lm/W | n° led | mA     | W     | lm/W | Backlight | Uplight | Glare |
| 5000 lm       | 2700 K      | 49.6  | 101  | 32     | 466    | 42.1  | 119  | 2         | 1       | 1     |
| 5000 lm       | 3000 K      | 47.3  | 106  | 32     | 443    | 40    | 125  | 2         | 1       | 1     |
| 5000 lm       | 4000 K      | 44.7  | 112  | 32     | 418    | 37.6  | 133  | 2         | 1       | 1     |
| 5250 lm       | 2700 K      | 48.7  | 108  | 48     | 308    | 41.2  | 127  | 2         | 1       | 1     |
| 5250 lm       | 3000 K      | 46.6  | 113  | 48     | 294    | 39.3  | 134  | 2         | 1       | 1     |
| 5250 lm       | 4000 K      | 44.1  | 119  | 48     | 278    | 37.1  | 142  | 2         | 1       | 1     |
| 6750 lm       | 2700 K      | 64.2  | 105  | 48     | 411    | 55.5  | 122  | 2         | 1       | 2     |
| 6750 lm       | 3000 K      | 61.3  | 110  | 48     | 391    | 52.8  | 128  | 2         | 1       | 2     |
| 6750 lm       | 4000 K      | 57.9  | 117  | 48     | 369    | 49.7  | 136  | 2         | 1       | 2     |
| 7000 lm       | 2700 K      | 73.7  | 95   | 32     | 704    | 64.4  | 109  | 2         | 1       | 2     |
| 7000 lm       | 3000 K      | 70.1  | 100  | 32     | 668    | 61    | 115  | 2         | 1       | 2     |
| 7000 lm       | 4000 K      | 66.1  | 106  | 32     | 627    | 57.2  | 122  | 2         | 1       | 2     |
| 9000 lm       | 2700 K      | 84    | 107  | 64     | 411    | 74.1  | 121  | 2         | 1       | 2     |
| 9000 lm       | 2700 K      | 89.5  | 101  | 48     | 581    | 79.3  | 113  | 2         | 1       | 2     |
| 9000 lm       | 3000 K      | 80.1  | 112  | 64     | 391    | 70.4  | 128  | 2         | 1       | 2     |
| 9000 lm       | 3000 K      | 85.2  | 106  | 48     | 551    | 75.2  | 120  | 2         | 1       | 2     |
| 9000 lm       | 4000 K      | 75.8  | 119  | 64     | 369    | 66.3  | 136  | 2         | 1       | 2     |
| 9000 lm       | 4000 K      | 80.3  | 112  | 48     | 519    | 70.6  | 127  | 2         | 1       | 2     |
| 11250 lm      | 2700 K      | 119.7 | 94   | 48     | 769    | 105.8 | 106  | 3         | 1       | 2     |
| 11250 lm      | 3000 K      | 113.4 | 99   | 48     | 728    | 100.1 | 112  | 3         | 1       | 2     |
| 11250 lm      | 4000 K      | 106.3 | 106  | 48     | 684    | 93.8  | 120  | 3         | 1       | 2     |
| 12000 lm      | 2700 K      | 119.6 | 100  | 64     | 581    | 105.7 | 114  | 3         | 1       | 3     |
| 12000 lm      | 3000 K      | 113.6 | 106  | 64     | 551    | 100.3 | 120  | 3         | 1       | 3     |
| 12000 lm      | 4000 K      | 106.8 | 112  | 64     | 519    | 94.2  | 127  | 3         | 1       | 3     |

Lang | Luminaire | 2 light sources

Optic: T2 + T3

Lens: Prismatic

| System        |             |       |      |        | Source |       |      | BUG       |         |       |
|---------------|-------------|-------|------|--------|--------|-------|------|-----------|---------|-------|
| Luminous Flux | Nominal CCT | W     | lm/W | n° led | mA     | W     | lm/W | Backlight | Uplight | Glare |
| 5000 lm       | 2700 K      | 51.6  | 97   | 32     | 485    | 43.9  | 114  | 2         | 1       | 1     |
| 5000 lm       | 3000 K      | 49.2  | 102  | 32     | 462    | 41.7  | 120  | 2         | 1       | 1     |
| 5000 lm       | 4000 K      | 46.4  | 108  | 32     | 435    | 39.2  | 128  | 2         | 1       | 1     |
| 5250 lm       | 2700 K      | 50.5  | 104  | 48     | 321    | 42.9  | 122  | 2         | 1       | 1     |
| 5250 lm       | 3000 K      | 48.3  | 109  | 48     | 306    | 40.9  | 128  | 2         | 1       | 1     |
| 5250 lm       | 4000 K      | 45.8  | 115  | 48     | 289    | 38.6  | 136  | 2         | 1       | 1     |
| 6750 lm       | 2700 K      | 66.8  | 101  | 48     | 428    | 57.9  | 117  | 2         | 1       | 2     |
| 6750 lm       | 3000 K      | 63.8  | 106  | 48     | 408    | 55.1  | 123  | 2         | 1       | 2     |
| 6750 lm       | 4000 K      | 60.2  | 112  | 48     | 385    | 51.8  | 130  | 2         | 1       | 2     |
| 7000 lm       | 2700 K      | 76.9  | 91   | 32     | 736    | 67.4  | 104  | 2         | 1       | 2     |
| 7000 lm       | 3000 K      | 73.1  | 96   | 32     | 697    | 63.8  | 110  | 2         | 1       | 2     |
| 7000 lm       | 4000 K      | 68.8  | 102  | 32     | 655    | 59.8  | 117  | 2         | 1       | 2     |
| 9000 lm       | 2700 K      | 87.3  | 103  | 64     | 428    | 77.2  | 117  | 3         | 1       | 2     |
| 9000 lm       | 2700 K      | 93.4  | 96   | 48     | 606    | 82.9  | 109  | 3         | 1       | 2     |
| 9000 lm       | 3000 K      | 83.2  | 108  | 64     | 408    | 73.4  | 123  | 3         | 1       | 2     |
| 9000 lm       | 3000 K      | 88.8  | 101  | 48     | 575    | 78.6  | 115  | 3         | 1       | 2     |
| 9000 lm       | 4000 K      | 78.7  | 114  | 64     | 385    | 69.1  | 130  | 3         | 1       | 2     |
| 9000 lm       | 4000 K      | 83.7  | 108  | 48     | 541    | 73.8  | 122  | 3         | 1       | 2     |
| 11250 lm      | 2700 K      | 125.2 | 90   | 48     | 804    | 110.8 | 102  | 3         | 1       | 2     |
| 11250 lm      | 3000 K      | 118.6 | 95   | 48     | 761    | 104.8 | 107  | 3         | 1       | 2     |
| 11250 lm      | 4000 K      | 111.1 | 101  | 48     | 714    | 98.1  | 115  | 3         | 1       | 2     |
| 12000 lm      | 2700 K      | 124.9 | 96   | 64     | 606    | 110.5 | 109  | 3         | 1       | 2     |
| 12000 lm      | 3000 K      | 118.6 | 101  | 64     | 575    | 104.8 | 115  | 3         | 1       | 2     |
| 12000 lm      | 4000 K      | 111.4 | 108  | 64     | 541    | 98.4  | 122  | 3         | 1       | 2     |

Lang | Luminaire | 2 light sources

Optic: T2 + T4

Lens: Transparent

| System        |             |       |      |        | Source |       |      | BUG       |         |       |
|---------------|-------------|-------|------|--------|--------|-------|------|-----------|---------|-------|
| Luminous Flux | Nominal CCT | W     | lm/W | n° led | mA     | W     | lm/W | Backlight | Uplight | Glare |
| 5000 lm       | 2700 K      | 49.6  | 101  | 32     | 466    | 42.1  | 119  | 2         | 1       | 1     |
| 5000 lm       | 3000 K      | 47.3  | 106  | 32     | 443    | 40    | 125  | 2         | 1       | 1     |
| 5000 lm       | 4000 K      | 44.7  | 112  | 32     | 418    | 37.6  | 133  | 2         | 1       | 1     |
| 5250 lm       | 2700 K      | 48.7  | 108  | 48     | 308    | 41.2  | 127  | 2         | 1       | 2     |
| 5250 lm       | 3000 K      | 46.6  | 113  | 48     | 294    | 39.3  | 134  | 2         | 1       | 2     |
| 5250 lm       | 4000 K      | 44.1  | 119  | 48     | 278    | 37.1  | 142  | 2         | 1       | 2     |
| 6750 lm       | 2700 K      | 64.2  | 105  | 48     | 411    | 55.5  | 122  | 2         | 1       | 2     |
| 6750 lm       | 3000 K      | 61.3  | 110  | 48     | 391    | 52.8  | 128  | 2         | 1       | 2     |
| 6750 lm       | 4000 K      | 57.9  | 117  | 48     | 369    | 49.7  | 136  | 2         | 1       | 2     |
| 7000 lm       | 2700 K      | 73.7  | 95   | 32     | 704    | 64.4  | 109  | 2         | 1       | 2     |
| 7000 lm       | 3000 K      | 70.1  | 100  | 32     | 668    | 61    | 115  | 2         | 1       | 2     |
| 7000 lm       | 4000 K      | 66.1  | 106  | 32     | 627    | 57.2  | 122  | 2         | 1       | 2     |
| 9000 lm       | 2700 K      | 84    | 107  | 64     | 411    | 74.1  | 121  | 2         | 1       | 2     |
| 9000 lm       | 2700 K      | 89.5  | 101  | 48     | 581    | 79.3  | 113  | 2         | 1       | 2     |
| 9000 lm       | 3000 K      | 80.1  | 112  | 64     | 391    | 70.4  | 128  | 2         | 1       | 2     |
| 9000 lm       | 3000 K      | 85.2  | 106  | 48     | 551    | 75.2  | 120  | 2         | 1       | 2     |
| 9000 lm       | 4000 K      | 75.8  | 119  | 64     | 369    | 66.3  | 136  | 2         | 1       | 2     |
| 9000 lm       | 4000 K      | 80.3  | 112  | 48     | 519    | 70.6  | 127  | 2         | 1       | 2     |
| 11250 lm      | 2700 K      | 119.7 | 94   | 48     | 769    | 105.8 | 106  | 3         | 1       | 3     |
| 11250 lm      | 3000 K      | 113.4 | 99   | 48     | 728    | 100.1 | 112  | 3         | 1       | 3     |
| 11250 lm      | 4000 K      | 106.3 | 106  | 48     | 684    | 93.8  | 120  | 3         | 1       | 3     |
| 12000 lm      | 2700 K      | 119.6 | 100  | 64     | 581    | 105.7 | 114  | 3         | 1       | 3     |
| 12000 lm      | 3000 K      | 113.6 | 106  | 64     | 551    | 100.3 | 120  | 3         | 1       | 3     |
| 12000 lm      | 4000 K      | 106.8 | 112  | 64     | 519    | 94.2  | 127  | 3         | 1       | 3     |

## Lang | Luminaire | 2 light sources

## Optic: T2 + T4

## Lens: Prismatic

| System        |             |       |      |        | Source |       |      | BUG       |         |       |
|---------------|-------------|-------|------|--------|--------|-------|------|-----------|---------|-------|
| Luminous Flux | Nominal CCT | W     | lm/W | n° led | mA     | W     | lm/W | Backlight | Uplight | Glare |
| 5000 lm       | 2700 K      | 51.6  | 97   | 32     | 485    | 43.9  | 114  | 2         | 1       | 1     |
| 5000 lm       | 3000 K      | 49.2  | 102  | 32     | 462    | 41.7  | 120  | 2         | 1       | 1     |
| 5000 lm       | 4000 K      | 46.4  | 108  | 32     | 435    | 39.2  | 128  | 2         | 1       | 1     |
| 5250 lm       | 2700 K      | 50.5  | 104  | 48     | 321    | 42.9  | 122  | 2         | 1       | 1     |
| 5250 lm       | 3000 K      | 48.3  | 109  | 48     | 306    | 40.9  | 128  | 2         | 1       | 1     |
| 5250 lm       | 4000 K      | 45.8  | 115  | 48     | 289    | 38.6  | 136  | 2         | 1       | 1     |
| 6750 lm       | 2700 K      | 66.8  | 101  | 48     | 428    | 57.9  | 117  | 2         | 1       | 2     |
| 6750 lm       | 3000 K      | 63.8  | 106  | 48     | 408    | 55.1  | 123  | 2         | 1       | 2     |
| 6750 lm       | 4000 K      | 60.2  | 112  | 48     | 385    | 51.8  | 130  | 2         | 1       | 2     |
| 7000 lm       | 2700 K      | 76.9  | 91   | 32     | 736    | 67.4  | 104  | 2         | 1       | 2     |
| 7000 lm       | 3000 K      | 73.1  | 96   | 32     | 697    | 63.8  | 110  | 2         | 1       | 2     |
| 7000 lm       | 4000 K      | 68.8  | 102  | 32     | 655    | 59.8  | 117  | 2         | 1       | 2     |
| 9000 lm       | 2700 K      | 87.3  | 103  | 64     | 428    | 77.2  | 117  | 3         | 1       | 2     |
| 9000 lm       | 2700 K      | 93.4  | 96   | 48     | 606    | 82.9  | 109  | 3         | 1       | 2     |
| 9000 lm       | 3000 K      | 83.2  | 108  | 64     | 408    | 73.4  | 123  | 3         | 1       | 2     |
| 9000 lm       | 3000 K      | 88.8  | 101  | 48     | 575    | 78.6  | 115  | 3         | 1       | 2     |
| 9000 lm       | 4000 K      | 78.7  | 114  | 64     | 385    | 69.1  | 130  | 3         | 1       | 2     |
| 9000 lm       | 4000 K      | 83.7  | 108  | 48     | 541    | 73.8  | 122  | 3         | 1       | 2     |
| 11250 lm      | 2700 K      | 125.2 | 90   | 48     | 804    | 110.8 | 102  | 3         | 1       | 2     |
| 11250 lm      | 3000 K      | 118.6 | 95   | 48     | 761    | 104.8 | 107  | 3         | 1       | 2     |
| 11250 lm      | 4000 K      | 111.1 | 101  | 48     | 714    | 98.1  | 115  | 3         | 1       | 2     |
| 12000 lm      | 2700 K      | 124.9 | 96   | 64     | 606    | 110.5 | 109  | 3         | 1       | 3     |
| 12000 lm      | 3000 K      | 118.6 | 101  | 64     | 575    | 104.8 | 115  | 3         | 1       | 3     |
| 12000 lm      | 4000 K      | 111.4 | 108  | 64     | 541    | 98.4  | 122  | 3         | 1       | 3     |

## Optic: T3

## Lens: Transparent

| System        |             |      |      |        | Source |      |      | BUG       |         |       |
|---------------|-------------|------|------|--------|--------|------|------|-----------|---------|-------|
| Luminous Flux | Nominal CCT | W    | lm/W | n° led | mA     | W    | lm/W | Backlight | Uplight | Glare |
| 3500 lm       | 2700 K      | 33.3 | 105  | 32     | 308    | 27.5 | 127  | 1         | 1       | 1     |
| 3500 lm       | 3000 K      | 31.8 | 110  | 32     | 294    | 26.2 | 134  | 1         | 1       | 1     |
| 3500 lm       | 4000 K      | 30.1 | 116  | 32     | 278    | 24.7 | 142  | 1         | 1       | 1     |
| 4500 lm       | 2700 K      | 44   | 102  | 32     | 411    | 37   | 122  | 1         | 1       | 1     |
| 4500 lm       | 3000 K      | 42   | 107  | 32     | 391    | 35.2 | 128  | 1         | 1       | 1     |
| 4500 lm       | 4000 K      | 39.8 | 113  | 32     | 369    | 33.2 | 136  | 1         | 1       | 1     |
| 6000 lm       | 2700 K      | 61.4 | 98   | 32     | 581    | 52.9 | 113  | 1         | 1       | 1     |
| 6000 lm       | 3000 K      | 58.4 | 103  | 32     | 551    | 50.1 | 120  | 1         | 1       | 1     |
| 6000 lm       | 4000 K      | 55.2 | 109  | 32     | 519    | 47.1 | 127  | 1         | 1       | 1     |
| 7500 lm       | 2700 K      | 80.2 | 94   | 32     | 769    | 70.5 | 106  | 1         | 1       | 1     |
| 7500 lm       | 3000 K      | 76.3 | 98   | 32     | 728    | 66.8 | 112  | 1         | 1       | 1     |
| 7500 lm       | 4000 K      | 71.7 | 105  | 32     | 684    | 62.5 | 120  | 1         | 1       | 1     |

Lang | Luminaire | 2 light sources

Optic: T3

Lens: Prismatic

| System        |             |      |      |        | Source |      |      | BUG       |         |       |
|---------------|-------------|------|------|--------|--------|------|------|-----------|---------|-------|
| Luminous Flux | Nominal CCT | W    | lm/W | n° led | mA     | W    | lm/W | Backlight | Uplight | Glare |
| 3500 lm       | 2700 K      | 34.6 | 101  | 32     | 321    | 28.6 | 122  | 1         | 1       | 1     |
| 3500 lm       | 3000 K      | 33.1 | 106  | 32     | 306    | 27.3 | 128  | 1         | 1       | 1     |
| 3500 lm       | 4000 K      | 31.2 | 112  | 32     | 289    | 25.7 | 136  | 1         | 1       | 1     |
| 4500 lm       | 2700 K      | 45.8 | 98   | 32     | 428    | 38.6 | 117  | 1         | 1       | 1     |
| 4500 lm       | 3000 K      | 43.7 | 103  | 32     | 408    | 36.7 | 123  | 1         | 1       | 1     |
| 4500 lm       | 4000 K      | 41.3 | 109  | 32     | 385    | 34.6 | 130  | 1         | 1       | 1     |
| 6000 lm       | 2700 K      | 64   | 94   | 32     | 606    | 55.3 | 108  | 1         | 1       | 1     |
| 6000 lm       | 3000 K      | 60.9 | 99   | 32     | 575    | 52.4 | 115  | 1         | 1       | 1     |
| 6000 lm       | 4000 K      | 57.4 | 105  | 32     | 541    | 49.2 | 122  | 1         | 1       | 1     |
| 7500 lm       | 2700 K      | 83.7 | 90   | 32     | 804    | 73.8 | 102  | 2         | 1       | 1     |
| 7500 lm       | 3000 K      | 79.5 | 94   | 32     | 761    | 69.9 | 107  | 2         | 1       | 1     |
| 7500 lm       | 4000 K      | 74.7 | 100  | 32     | 714    | 65.4 | 115  | 2         | 1       | 1     |

Optic: T3 + T3

Lens: Transparent

| System        |             |       |      |        | Source |       |      | BUG       |         |       |
|---------------|-------------|-------|------|--------|--------|-------|------|-----------|---------|-------|
| Luminous Flux | Nominal CCT | W     | lm/W | n° led | mA     | W     | lm/W | Backlight | Uplight | Glare |
| 5000 lm       | 2700 K      | 49.6  | 101  | 32     | 466    | 42.1  | 119  | 2         | 1       | 2     |
| 5000 lm       | 3000 K      | 47.3  | 106  | 32     | 443    | 40    | 125  | 2         | 1       | 2     |
| 5000 lm       | 4000 K      | 44.7  | 112  | 32     | 418    | 37.6  | 133  | 2         | 1       | 2     |
| 5250 lm       | 2700 K      | 48.7  | 108  | 48     | 308    | 41.2  | 127  | 2         | 1       | 2     |
| 5250 lm       | 3000 K      | 46.6  | 113  | 48     | 294    | 39.3  | 134  | 2         | 1       | 2     |
| 5250 lm       | 4000 K      | 44.1  | 119  | 48     | 278    | 37.1  | 142  | 2         | 1       | 2     |
| 6750 lm       | 2700 K      | 64.2  | 105  | 48     | 411    | 55.5  | 122  | 2         | 1       | 2     |
| 6750 lm       | 3000 K      | 61.3  | 110  | 48     | 391    | 52.8  | 128  | 2         | 1       | 2     |
| 6750 lm       | 4000 K      | 57.9  | 117  | 48     | 369    | 49.7  | 136  | 2         | 1       | 2     |
| 7000 lm       | 2700 K      | 73.7  | 95   | 32     | 704    | 64.4  | 109  | 2         | 1       | 2     |
| 7000 lm       | 3000 K      | 70.1  | 100  | 32     | 668    | 61    | 115  | 2         | 1       | 2     |
| 7000 lm       | 4000 K      | 66.1  | 106  | 32     | 627    | 57.2  | 122  | 2         | 1       | 2     |
| 9000 lm       | 2700 K      | 84    | 107  | 64     | 411    | 74.1  | 121  | 3         | 1       | 3     |
| 9000 lm       | 2700 K      | 89.5  | 101  | 48     | 581    | 79.3  | 113  | 3         | 1       | 3     |
| 9000 lm       | 3000 K      | 80.1  | 112  | 64     | 391    | 70.4  | 128  | 3         | 1       | 3     |
| 9000 lm       | 3000 K      | 85.2  | 106  | 48     | 551    | 75.2  | 120  | 3         | 1       | 3     |
| 9000 lm       | 4000 K      | 75.8  | 119  | 64     | 369    | 66.3  | 136  | 3         | 1       | 3     |
| 9000 lm       | 4000 K      | 80.3  | 112  | 48     | 519    | 70.6  | 127  | 3         | 1       | 3     |
| 11250 lm      | 2700 K      | 119.7 | 94   | 48     | 769    | 105.8 | 106  | 3         | 1       | 3     |
| 11250 lm      | 3000 K      | 113.4 | 99   | 48     | 728    | 100.1 | 112  | 3         | 1       | 3     |
| 11250 lm      | 4000 K      | 106.3 | 106  | 48     | 684    | 93.8  | 120  | 3         | 1       | 3     |
| 12000 lm      | 2700 K      | 119.6 | 100  | 64     | 581    | 105.7 | 114  | 3         | 1       | 3     |
| 12000 lm      | 3000 K      | 113.6 | 106  | 64     | 551    | 100.3 | 120  | 3         | 1       | 3     |
| 12000 lm      | 4000 K      | 106.8 | 112  | 64     | 519    | 94.2  | 127  | 3         | 1       | 3     |

Lang | Luminaire | 2 light sources

Optic: T3 + T3

Lens: Prismatic

| System        |             |       |      |        | Source |       |      | BUG       |         |       |
|---------------|-------------|-------|------|--------|--------|-------|------|-----------|---------|-------|
| Luminous Flux | Nominal CCT | W     | lm/W | n° led | mA     | W     | lm/W | Backlight | Uplight | Glare |
| 5000 lm       | 2700 K      | 51.6  | 97   | 32     | 485    | 43.9  | 114  | 2         | 1       | 1     |
| 5000 lm       | 3000 K      | 49.2  | 102  | 32     | 462    | 41.7  | 120  | 2         | 1       | 1     |
| 5000 lm       | 4000 K      | 46.4  | 108  | 32     | 435    | 39.2  | 128  | 2         | 1       | 1     |
| 5250 lm       | 2700 K      | 50.5  | 104  | 48     | 321    | 42.9  | 122  | 2         | 1       | 2     |
| 5250 lm       | 3000 K      | 48.3  | 109  | 48     | 306    | 40.9  | 128  | 2         | 1       | 2     |
| 5250 lm       | 4000 K      | 45.8  | 115  | 48     | 289    | 38.6  | 136  | 2         | 1       | 2     |
| 6750 lm       | 2700 K      | 66.8  | 101  | 48     | 428    | 57.9  | 117  | 2         | 1       | 2     |
| 6750 lm       | 3000 K      | 63.8  | 106  | 48     | 408    | 55.1  | 123  | 2         | 1       | 2     |
| 6750 lm       | 4000 K      | 60.2  | 112  | 48     | 385    | 51.8  | 130  | 2         | 1       | 2     |
| 7000 lm       | 2700 K      | 76.9  | 91   | 32     | 736    | 67.4  | 104  | 2         | 1       | 2     |
| 7000 lm       | 3000 K      | 73.1  | 96   | 32     | 697    | 63.8  | 110  | 2         | 1       | 2     |
| 7000 lm       | 4000 K      | 68.8  | 102  | 32     | 655    | 59.8  | 117  | 2         | 1       | 2     |
| 9000 lm       | 2700 K      | 87.3  | 103  | 64     | 428    | 77.2  | 117  | 3         | 1       | 2     |
| 9000 lm       | 2700 K      | 93.4  | 96   | 48     | 606    | 82.9  | 109  | 3         | 1       | 2     |
| 9000 lm       | 3000 K      | 83.2  | 108  | 64     | 408    | 73.4  | 123  | 3         | 1       | 2     |
| 9000 lm       | 3000 K      | 88.8  | 101  | 48     | 575    | 78.6  | 115  | 3         | 1       | 2     |
| 9000 lm       | 4000 K      | 78.7  | 114  | 64     | 385    | 69.1  | 130  | 3         | 1       | 2     |
| 9000 lm       | 4000 K      | 83.7  | 108  | 48     | 541    | 73.8  | 122  | 3         | 1       | 2     |
| 11250 lm      | 2700 K      | 125.2 | 90   | 48     | 804    | 110.8 | 102  | 3         | 1       | 3     |
| 11250 lm      | 3000 K      | 118.6 | 95   | 48     | 761    | 104.8 | 107  | 3         | 1       | 3     |
| 11250 lm      | 4000 K      | 111.1 | 101  | 48     | 714    | 98.1  | 115  | 3         | 1       | 3     |
| 12000 lm      | 2700 K      | 124.9 | 96   | 64     | 606    | 110.5 | 109  | 3         | 1       | 3     |
| 12000 lm      | 3000 K      | 118.6 | 101  | 64     | 575    | 104.8 | 115  | 3         | 1       | 3     |
| 12000 lm      | 4000 K      | 111.4 | 108  | 64     | 541    | 98.4  | 122  | 3         | 1       | 3     |

Lang | Luminaire | 2 light sources

Optic: T3 + T4

Lens: Transparent

| System        |             |       |      |        | Source |       |      | BUG       |         |       |
|---------------|-------------|-------|------|--------|--------|-------|------|-----------|---------|-------|
| Luminous Flux | Nominal CCT | W     | lm/W | n° led | mA     | W     | lm/W | Backlight | Uplight | Glare |
| 5000 lm       | 2700 K      | 49.6  | 101  | 32     | 466    | 42.1  | 119  | 1         | 1       | 1     |
| 5000 lm       | 3000 K      | 47.3  | 106  | 32     | 443    | 40    | 125  | 1         | 1       | 1     |
| 5000 lm       | 4000 K      | 44.7  | 112  | 32     | 418    | 37.6  | 133  | 1         | 1       | 1     |
| 5250 lm       | 2700 K      | 48.7  | 108  | 48     | 308    | 41.2  | 127  | 1         | 1       | 1     |
| 5250 lm       | 3000 K      | 46.6  | 113  | 48     | 294    | 39.3  | 134  | 1         | 1       | 1     |
| 5250 lm       | 4000 K      | 44.1  | 119  | 48     | 278    | 37.1  | 142  | 1         | 1       | 1     |
| 6750 lm       | 2700 K      | 64.2  | 105  | 48     | 411    | 55.5  | 122  | 2         | 1       | 2     |
| 6750 lm       | 3000 K      | 61.3  | 110  | 48     | 391    | 52.8  | 128  | 2         | 1       | 2     |
| 6750 lm       | 4000 K      | 57.9  | 117  | 48     | 369    | 49.7  | 136  | 2         | 1       | 2     |
| 7000 lm       | 2700 K      | 73.7  | 95   | 32     | 704    | 64.4  | 109  | 2         | 1       | 2     |
| 7000 lm       | 3000 K      | 70.1  | 100  | 32     | 668    | 61    | 115  | 2         | 1       | 2     |
| 7000 lm       | 4000 K      | 66.1  | 106  | 32     | 627    | 57.2  | 122  | 2         | 1       | 2     |
| 9000 lm       | 2700 K      | 84    | 107  | 64     | 411    | 74.1  | 121  | 2         | 1       | 2     |
| 9000 lm       | 2700 K      | 89.5  | 101  | 48     | 581    | 79.3  | 113  | 2         | 1       | 2     |
| 9000 lm       | 3000 K      | 80.1  | 112  | 64     | 391    | 70.4  | 128  | 2         | 1       | 2     |
| 9000 lm       | 3000 K      | 85.2  | 106  | 48     | 551    | 75.2  | 120  | 2         | 1       | 2     |
| 9000 lm       | 4000 K      | 75.8  | 119  | 64     | 369    | 66.3  | 136  | 2         | 1       | 2     |
| 9000 lm       | 4000 K      | 80.3  | 112  | 48     | 519    | 70.6  | 127  | 2         | 1       | 2     |
| 11250 lm      | 2700 K      | 119.7 | 94   | 48     | 769    | 105.8 | 106  | 2         | 1       | 2     |
| 11250 lm      | 3000 K      | 113.4 | 99   | 48     | 728    | 100.1 | 112  | 2         | 1       | 2     |
| 11250 lm      | 4000 K      | 106.3 | 106  | 48     | 684    | 93.8  | 120  | 2         | 1       | 2     |
| 12000 lm      | 2700 K      | 119.6 | 100  | 64     | 581    | 105.7 | 114  | 2         | 1       | 2     |
| 12000 lm      | 3000 K      | 113.6 | 106  | 64     | 551    | 100.3 | 120  | 2         | 1       | 2     |
| 12000 lm      | 4000 K      | 106.8 | 112  | 64     | 519    | 94.2  | 127  | 2         | 1       | 2     |

Lang | Luminaire | 2 light sources

Optic: T3 + T4

Lens: Prismatic

| System        |             |       |      |        | Source |       |      | BUG       |         |       |
|---------------|-------------|-------|------|--------|--------|-------|------|-----------|---------|-------|
| Luminous Flux | Nominal CCT | W     | lm/W | n° led | mA     | W     | lm/W | Backlight | Uplight | Glare |
| 5000 lm       | 2700 K      | 51.6  | 97   | 32     | 485    | 43.9  | 114  | 2         | 1       | 2     |
| 5000 lm       | 3000 K      | 49.2  | 102  | 32     | 462    | 41.7  | 120  | 2         | 1       | 2     |
| 5000 lm       | 4000 K      | 46.4  | 108  | 32     | 435    | 39.2  | 128  | 2         | 1       | 2     |
| 5250 lm       | 2700 K      | 50.5  | 104  | 48     | 321    | 42.9  | 122  | 2         | 1       | 2     |
| 5250 lm       | 3000 K      | 48.3  | 109  | 48     | 306    | 40.9  | 128  | 2         | 1       | 2     |
| 5250 lm       | 4000 K      | 45.8  | 115  | 48     | 289    | 38.6  | 136  | 2         | 1       | 2     |
| 6750 lm       | 2700 K      | 66.8  | 101  | 48     | 428    | 57.9  | 117  | 2         | 1       | 2     |
| 6750 lm       | 3000 K      | 63.8  | 106  | 48     | 408    | 55.1  | 123  | 2         | 1       | 2     |
| 6750 lm       | 4000 K      | 60.2  | 112  | 48     | 385    | 51.8  | 130  | 2         | 1       | 2     |
| 7000 lm       | 2700 K      | 76.9  | 91   | 32     | 736    | 67.4  | 104  | 2         | 1       | 2     |
| 7000 lm       | 3000 K      | 73.1  | 96   | 32     | 697    | 63.8  | 110  | 2         | 1       | 2     |
| 7000 lm       | 4000 K      | 68.8  | 102  | 32     | 655    | 59.8  | 117  | 2         | 1       | 2     |
| 9000 lm       | 2700 K      | 87.3  | 103  | 64     | 428    | 77.2  | 117  | 3         | 1       | 2     |
| 9000 lm       | 2700 K      | 93.4  | 96   | 48     | 606    | 82.9  | 109  | 3         | 1       | 2     |
| 9000 lm       | 3000 K      | 83.2  | 108  | 64     | 408    | 73.4  | 123  | 3         | 1       | 2     |
| 9000 lm       | 3000 K      | 88.8  | 101  | 48     | 575    | 78.6  | 115  | 3         | 1       | 2     |
| 9000 lm       | 4000 K      | 78.7  | 114  | 64     | 385    | 69.1  | 130  | 3         | 1       | 2     |
| 9000 lm       | 4000 K      | 83.7  | 108  | 48     | 541    | 73.8  | 122  | 3         | 1       | 2     |
| 11250 lm      | 2700 K      | 125.2 | 90   | 48     | 804    | 110.8 | 102  | 3         | 1       | 3     |
| 11250 lm      | 3000 K      | 118.6 | 95   | 48     | 761    | 104.8 | 107  | 3         | 1       | 3     |
| 11250 lm      | 4000 K      | 111.1 | 101  | 48     | 714    | 98.1  | 115  | 3         | 1       | 3     |
| 12000 lm      | 2700 K      | 124.9 | 96   | 64     | 606    | 110.5 | 109  | 3         | 1       | 3     |
| 12000 lm      | 3000 K      | 118.6 | 101  | 64     | 575    | 104.8 | 115  | 3         | 1       | 3     |
| 12000 lm      | 4000 K      | 111.4 | 108  | 64     | 541    | 98.4  | 122  | 3         | 1       | 3     |

Optic: T4

Lens: Transparent

| System        |             |      |      |        | Source |      |      | BUG       |         |       |
|---------------|-------------|------|------|--------|--------|------|------|-----------|---------|-------|
| Luminous Flux | Nominal CCT | W    | lm/W | n° led | mA     | W    | lm/W | Backlight | Uplight | Glare |
| 3500 lm       | 2700 K      | 33.3 | 105  | 32     | 308    | 27.5 | 127  | 1         | 1       | 1     |
| 3500 lm       | 3000 K      | 31.8 | 110  | 32     | 294    | 26.2 | 134  | 1         | 1       | 1     |
| 3500 lm       | 4000 K      | 30.1 | 116  | 32     | 278    | 24.7 | 142  | 1         | 1       | 1     |
| 4500 lm       | 2700 K      | 44   | 102  | 32     | 411    | 37   | 122  | 1         | 1       | 1     |
| 4500 lm       | 3000 K      | 42   | 107  | 32     | 391    | 35.2 | 128  | 1         | 1       | 1     |
| 4500 lm       | 4000 K      | 39.8 | 113  | 32     | 369    | 33.2 | 136  | 1         | 1       | 1     |
| 6000 lm       | 2700 K      | 61.4 | 98   | 32     | 581    | 52.9 | 113  | 1         | 1       | 2     |
| 6000 lm       | 3000 K      | 58.4 | 103  | 32     | 551    | 50.1 | 120  | 1         | 1       | 2     |
| 6000 lm       | 4000 K      | 55.2 | 109  | 32     | 519    | 47.1 | 127  | 1         | 1       | 2     |
| 7500 lm       | 2700 K      | 80.2 | 94   | 32     | 769    | 70.5 | 106  | 1         | 1       | 2     |
| 7500 lm       | 3000 K      | 76.3 | 98   | 32     | 728    | 66.8 | 112  | 1         | 1       | 2     |
| 7500 lm       | 4000 K      | 71.7 | 105  | 32     | 684    | 62.5 | 120  | 1         | 1       | 2     |

## Lang | Luminaire | 2 light sources

## Optic: T4

## Lens: Prismatic

| System        |             |      |      |        | Source |      |      | BUG       |         |       |
|---------------|-------------|------|------|--------|--------|------|------|-----------|---------|-------|
| Luminous Flux | Nominal CCT | W    | lm/W | n° led | mA     | W    | lm/W | Backlight | Uplight | Glare |
| 3500 lm       | 2700 K      | 34.6 | 101  | 32     | 321    | 28.6 | 122  | 1         | 1       | 1     |
| 3500 lm       | 3000 K      | 33.1 | 106  | 32     | 306    | 27.3 | 128  | 1         | 1       | 1     |
| 3500 lm       | 4000 K      | 31.2 | 112  | 32     | 289    | 25.7 | 136  | 1         | 1       | 1     |
| 4500 lm       | 2700 K      | 45.8 | 98   | 32     | 428    | 38.6 | 117  | 1         | 1       | 1     |
| 4500 lm       | 3000 K      | 43.7 | 103  | 32     | 408    | 36.7 | 123  | 1         | 1       | 1     |
| 4500 lm       | 4000 K      | 41.3 | 109  | 32     | 385    | 34.6 | 130  | 1         | 1       | 1     |
| 6000 lm       | 2700 K      | 64   | 94   | 32     | 606    | 55.3 | 108  | 1         | 1       | 1     |
| 6000 lm       | 3000 K      | 60.9 | 99   | 32     | 575    | 52.4 | 115  | 1         | 1       | 1     |
| 6000 lm       | 4000 K      | 57.4 | 105  | 32     | 541    | 49.2 | 122  | 1         | 1       | 1     |
| 7500 lm       | 2700 K      | 83.7 | 90   | 32     | 804    | 73.8 | 102  | 2         | 1       | 1     |
| 7500 lm       | 3000 K      | 79.5 | 94   | 32     | 761    | 69.9 | 107  | 2         | 1       | 1     |
| 7500 lm       | 4000 K      | 74.7 | 100  | 32     | 714    | 65.4 | 115  | 2         | 1       | 1     |

## Optic: T4 + T4

## Lens: Transparent

| System        |             |       |      |        | Source |       |      | BUG       |         |       |
|---------------|-------------|-------|------|--------|--------|-------|------|-----------|---------|-------|
| Luminous Flux | Nominal CCT | W     | lm/W | n° led | mA     | W     | lm/W | Backlight | Uplight | Glare |
| 5000 lm       | 2700 K      | 49.6  | 101  | 32     | 466    | 42.1  | 119  | 2         | 1       | 1     |
| 5000 lm       | 3000 K      | 47.3  | 106  | 32     | 443    | 40    | 125  | 2         | 1       | 1     |
| 5000 lm       | 4000 K      | 44.7  | 112  | 32     | 418    | 37.6  | 133  | 2         | 1       | 1     |
| 5250 lm       | 2700 K      | 48.7  | 108  | 48     | 308    | 41.2  | 127  | 2         | 1       | 1     |
| 5250 lm       | 3000 K      | 46.6  | 113  | 48     | 294    | 39.3  | 134  | 2         | 1       | 1     |
| 5250 lm       | 4000 K      | 44.1  | 119  | 48     | 278    | 37.1  | 142  | 2         | 1       | 1     |
| 6750 lm       | 2700 K      | 64.2  | 105  | 48     | 411    | 55.5  | 122  | 3         | 1       | 1     |
| 6750 lm       | 3000 K      | 61.3  | 110  | 48     | 391    | 52.8  | 128  | 3         | 1       | 1     |
| 6750 lm       | 4000 K      | 57.9  | 117  | 48     | 369    | 49.7  | 136  | 3         | 1       | 1     |
| 7000 lm       | 2700 K      | 73.7  | 95   | 32     | 704    | 64.4  | 109  | 3         | 1       | 1     |
| 7000 lm       | 3000 K      | 70.1  | 100  | 32     | 668    | 61    | 115  | 3         | 1       | 1     |
| 7000 lm       | 4000 K      | 66.1  | 106  | 32     | 627    | 57.2  | 122  | 3         | 1       | 1     |
| 9000 lm       | 2700 K      | 84    | 107  | 64     | 411    | 74.1  | 121  | 3         | 1       | 1     |
| 9000 lm       | 2700 K      | 89.5  | 101  | 48     | 581    | 79.3  | 113  | 3         | 1       | 1     |
| 9000 lm       | 3000 K      | 80.1  | 112  | 64     | 391    | 70.4  | 128  | 3         | 1       | 1     |
| 9000 lm       | 3000 K      | 85.2  | 106  | 48     | 551    | 75.2  | 120  | 3         | 1       | 1     |
| 9000 lm       | 4000 K      | 75.8  | 119  | 64     | 369    | 66.3  | 136  | 3         | 1       | 1     |
| 9000 lm       | 4000 K      | 80.3  | 112  | 48     | 519    | 70.6  | 127  | 3         | 1       | 1     |
| 11250 lm      | 2700 K      | 119.7 | 94   | 48     | 769    | 105.8 | 106  | 3         | 1       | 2     |
| 11250 lm      | 3000 K      | 113.4 | 99   | 48     | 728    | 100.1 | 112  | 3         | 1       | 2     |
| 11250 lm      | 4000 K      | 106.3 | 106  | 48     | 684    | 93.8  | 120  | 3         | 1       | 2     |
| 12000 lm      | 2700 K      | 119.6 | 100  | 64     | 581    | 105.7 | 114  | 3         | 1       | 2     |
| 12000 lm      | 3000 K      | 113.6 | 106  | 64     | 551    | 100.3 | 120  | 3         | 1       | 2     |
| 12000 lm      | 4000 K      | 106.8 | 112  | 64     | 519    | 94.2  | 127  | 3         | 1       | 2     |

## Lang | Luminaire | 2 light sources

## Optic: T4 + T4

## Lens: Prismatic

| System        |             |       |      |        | Source |       |      | BUG       |         |       |
|---------------|-------------|-------|------|--------|--------|-------|------|-----------|---------|-------|
| Luminous Flux | Nominal CCT | W     | lm/W | n° led | mA     | W     | lm/W | Backlight | Uplight | Glare |
| 5000 lm       | 2700 K      | 51.6  | 97   | 32     | 485    | 43.9  | 114  | 2         | 1       | 1     |
| 5000 lm       | 3000 K      | 49.2  | 102  | 32     | 462    | 41.7  | 120  | 2         | 1       | 1     |
| 5000 lm       | 4000 K      | 46.4  | 108  | 32     | 435    | 39.2  | 128  | 2         | 1       | 1     |
| 5250 lm       | 2700 K      | 50.5  | 104  | 48     | 321    | 42.9  | 122  | 2         | 1       | 1     |
| 5250 lm       | 3000 K      | 48.3  | 109  | 48     | 306    | 40.9  | 128  | 2         | 1       | 1     |
| 5250 lm       | 4000 K      | 45.8  | 115  | 48     | 289    | 38.6  | 136  | 2         | 1       | 1     |
| 6750 lm       | 2700 K      | 66.8  | 101  | 48     | 428    | 57.9  | 117  | 2         | 1       | 1     |
| 6750 lm       | 3000 K      | 63.8  | 106  | 48     | 408    | 55.1  | 123  | 2         | 1       | 1     |
| 6750 lm       | 4000 K      | 60.2  | 112  | 48     | 385    | 51.8  | 130  | 2         | 1       | 1     |
| 7000 lm       | 2700 K      | 76.9  | 91   | 32     | 736    | 67.4  | 104  | 2         | 1       | 1     |
| 7000 lm       | 3000 K      | 73.1  | 96   | 32     | 697    | 63.8  | 110  | 2         | 1       | 1     |
| 7000 lm       | 4000 K      | 68.8  | 102  | 32     | 655    | 59.8  | 117  | 2         | 1       | 1     |
| 9000 lm       | 2700 K      | 87.3  | 103  | 64     | 428    | 77.2  | 117  | 3         | 1       | 1     |
| 9000 lm       | 2700 K      | 93.4  | 96   | 48     | 606    | 82.9  | 109  | 3         | 1       | 1     |
| 9000 lm       | 3000 K      | 83.2  | 108  | 64     | 408    | 73.4  | 123  | 3         | 1       | 1     |
| 9000 lm       | 3000 K      | 88.8  | 101  | 48     | 575    | 78.6  | 115  | 3         | 1       | 1     |
| 9000 lm       | 4000 K      | 78.7  | 114  | 64     | 385    | 69.1  | 130  | 3         | 1       | 1     |
| 9000 lm       | 4000 K      | 83.7  | 108  | 48     | 541    | 73.8  | 122  | 3         | 1       | 1     |
| 11250 lm      | 2700 K      | 125.2 | 90   | 48     | 804    | 110.8 | 102  | 3         | 1       | 1     |
| 11250 lm      | 3000 K      | 118.6 | 95   | 48     | 761    | 104.8 | 107  | 3         | 1       | 1     |
| 11250 lm      | 4000 K      | 111.1 | 101  | 48     | 714    | 98.1  | 115  | 3         | 1       | 1     |
| 12000 lm      | 2700 K      | 124.9 | 96   | 64     | 606    | 110.5 | 109  | 3         | 1       | 1     |
| 12000 lm      | 3000 K      | 118.6 | 101  | 64     | 575    | 104.8 | 115  | 3         | 1       | 1     |
| 12000 lm      | 4000 K      | 111.4 | 108  | 64     | 541    | 98.4  | 122  | 3         | 1       | 1     |

## Optic: T5

## Lens: Transparent

| System        |             |      |      |        | Source |      |      | BUG       |         |       |
|---------------|-------------|------|------|--------|--------|------|------|-----------|---------|-------|
| Luminous Flux | Nominal CCT | W    | lm/W | n° led | mA     | W    | lm/W | Backlight | Uplight | Glare |
| 3500 lm       | 2700 K      | 33.3 | 105  | 32     | 308    | 27.5 | 127  | 2         | 1       | 1     |
| 3500 lm       | 3000 K      | 31.8 | 110  | 32     | 294    | 26.2 | 134  | 2         | 1       | 1     |
| 3500 lm       | 4000 K      | 30.1 | 116  | 32     | 278    | 24.7 | 142  | 2         | 1       | 1     |
| 4500 lm       | 2700 K      | 44   | 102  | 32     | 411    | 37   | 122  | 2         | 1       | 1     |
| 4500 lm       | 3000 K      | 42   | 107  | 32     | 391    | 35.2 | 128  | 2         | 1       | 1     |
| 4500 lm       | 4000 K      | 39.8 | 113  | 32     | 369    | 33.2 | 136  | 2         | 1       | 1     |
| 6000 lm       | 2700 K      | 61.4 | 98   | 32     | 581    | 52.9 | 113  | 2         | 1       | 1     |
| 6000 lm       | 3000 K      | 58.4 | 103  | 32     | 551    | 50.1 | 120  | 2         | 1       | 1     |
| 6000 lm       | 4000 K      | 55.2 | 109  | 32     | 519    | 47.1 | 127  | 2         | 1       | 1     |
| 7500 lm       | 2700 K      | 80.2 | 94   | 32     | 769    | 70.5 | 106  | 2         | 1       | 1     |
| 7500 lm       | 3000 K      | 76.3 | 98   | 32     | 728    | 66.8 | 112  | 2         | 1       | 1     |
| 7500 lm       | 4000 K      | 71.7 | 105  | 32     | 684    | 62.5 | 120  | 2         | 1       | 1     |

Lang | Luminaire | 2 light sources

Optic: T5

Lens: Prismatic

| System        |             |      |      |        | Source |      |      | BUG       |         |       |
|---------------|-------------|------|------|--------|--------|------|------|-----------|---------|-------|
| Luminous Flux | Nominal CCT | W    | lm/W | n° led | mA     | W    | lm/W | Backlight | Uplight | Glare |
| 3500 lm       | 2700 K      | 34.6 | 101  | 32     | 321    | 28.6 | 122  | 1         | 1       | 1     |
| 3500 lm       | 3000 K      | 33.1 | 106  | 32     | 306    | 27.3 | 128  | 1         | 1       | 1     |
| 3500 lm       | 4000 K      | 31.2 | 112  | 32     | 289    | 25.7 | 136  | 1         | 1       | 1     |
| 4500 lm       | 2700 K      | 45.8 | 98   | 32     | 428    | 38.6 | 117  | 2         | 1       | 1     |
| 4500 lm       | 3000 K      | 43.7 | 103  | 32     | 408    | 36.7 | 123  | 2         | 1       | 1     |
| 4500 lm       | 4000 K      | 41.3 | 109  | 32     | 385    | 34.6 | 130  | 2         | 1       | 1     |
| 6000 lm       | 2700 K      | 64   | 94   | 32     | 606    | 55.3 | 108  | 2         | 1       | 1     |
| 6000 lm       | 3000 K      | 60.9 | 99   | 32     | 575    | 52.4 | 115  | 2         | 1       | 1     |
| 6000 lm       | 4000 K      | 57.4 | 105  | 32     | 541    | 49.2 | 122  | 2         | 1       | 1     |
| 7500 lm       | 2700 K      | 83.7 | 90   | 32     | 804    | 73.8 | 102  | 2         | 1       | 1     |
| 7500 lm       | 3000 K      | 79.5 | 94   | 32     | 761    | 69.9 | 107  | 2         | 1       | 1     |
| 7500 lm       | 4000 K      | 74.7 | 100  | 32     | 714    | 65.4 | 115  | 2         | 1       | 1     |