

Specifier's Reference

| |
|-----------|
| Project |
| Type |
| Model No. |
| Comments |

application

- High efficacy long life solid state lighting platform.
- General lighting distribution is excellent for ambient lighting.
- Lumen packages range from 2,300 to 3,800 lumens, providing flexibility to optimize light levels for a specific application.
- High CRI source provides excellent color rendering.
- LEDs are an excellent source for use with controls since frequent switching does not affect the life of the light source.
- Lighting power densities of 0.75 Watts/square foot or less are possible while maintaining recommended light levels.

construction/finish

- Lower housing includes smooth edges for safe, easy handling.
- Housing is multi-stage phosphate treated for maximum corrosion resistance and finish coat is high reflectance baked white enamel.
- Sealed housing prevents the entry of dirt and bugs into the luminaire which eliminates the need for internal cleaning and reduces maintenance.
- T-bar clips are included.

electrical

- Driver and LED boards are accessible from above. LED boards are individually replaceable if required.
- ETL listed to UL standards, suitable for damp locations.
- Five-year luminaire warranty including LED boards and driver.
- High efficiency LEDs have 50,000 hour rated life (defined as 70% lumen maintenance.)
- Combinations are available providing nearly 90 delivered lumens per Watt

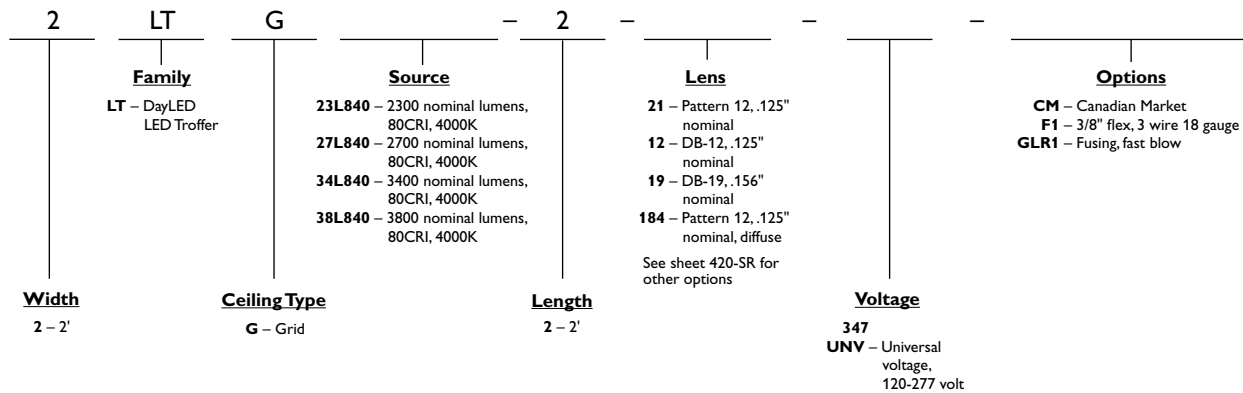
enclosures

- Standard sealed configuration does not include a door frame since cleaning and relamping are not required.
- Frameless design maximizes luminous aperture and provides a clean appearance.
- A variety of lenses are available to tailor the luminaire to the application.
- Contact factory for applications requiring a door frame.

accessories

- **FMA22** – 2'x2' "F" mounting frame for NEMA "F" mounting.
- **FMA24** – 2'x4' "F" mounting frame for NEMA "F" mounting.

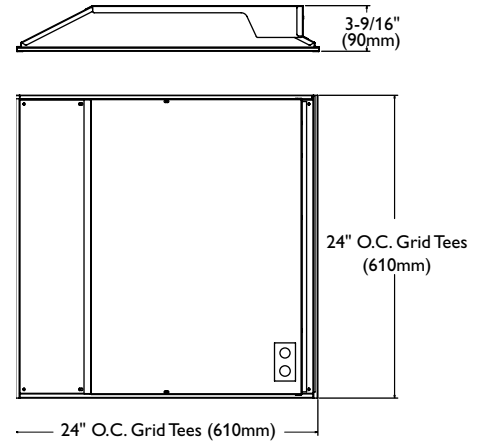
Green Choice: 2LTG27L840-2-21-UNV



energy data

| Model | Initial Delivered Lumens at 25°C Ambient | Input Power | Lumens Per Watt |
|------------------|--|-------------|-----------------|
| 2LTG23L840-2-21 | 2253 | 26W | 87LPW |
| 2LTG23L840-2-184 | 2203 | 26W | 85LPW |
| 2LTG27L840-2-21 | 2665 | 30W | 89LPW |
| 2LTG27L840-2-184 | 2615 | 31W | 84LPW |
| 2LTG34L840-2-21 | 3368 | 40W | 84LPW |
| 2LTG34L840-2-184 | 3288 | 40W | 82LPW |
| 2LTG38L840-2-21 | 3796 | 46W | 83LPW |
| 2LTG38L840-2-184 | 3697 | 45W | 82LPW |

dimensions



| Fluorescent Configuration | Approx. Total Delivered Lumens | DayLED Equivalent* |
|---------------------------|--------------------------------|-------------------------------------|
| 2 lamp T8 31U6 | 3,500 | 2LTG34L840 |
| 2 lamp T8 31U1 | 3,900 | 2LTG38L840 |
| 3 lamp T8 31U1 | 5,500 | n/a max. lumens would be 2LTG38L840 |
| 2 lamp T12 40U6 | 2,800 | 2LTG27L840 |
| 3 lamp T12 40U3 | 3,800 | 2LTG38L840 |

| Fluorescent Configuration | Approx. Total Delivered Lumens | DayLED Equivalent |
|---------------------------|--------------------------------|--------------------------------------|
| 2 lamp T8 17W | 2,000 | 2LTG23L840 |
| 3 lamp T8 17W | 2,850 | 2LTG27L840 |
| 4 lamp T8 17W | 3,650 | 2LTG34L840 |
| 2 lamp CF40 | 4,800 | n/a, max. lumens would be 2LTG38L840 |
| 3 lamp CF40 | 6,900 | n/a, max. lumens would be 2LTG38L840 |

*DayLED equivalent will provide similar delivered lumens and light levels. Analysis to determine appropriate light levels for the space is highly recommended.

photometry

2x2 DayLED LED Troffer, 2300 nominal lumens, standard lens

LER – 87

| Catalog No. | 2LTG23L840-2-21 | Candlepower | | | | Light Distribution | | | Average Luminance | | | | | | |
|-------------|-----------------|-------------|-----|-----|-------|---|--------|-------------|-------------------|------|------|-------|-----|-----|--|
| | | Angle | End | 45 | Cross | Degrees | Lumens | % Luminaire | Angle | End | 45° | Cross | | | |
| Test No. | 29485 | 0 | 993 | 993 | 993 | 0-30 | 755 | 33.5 | 45 | 1806 | 1730 | 1901 | | | |
| S/MH | 1.2 | 5 | 988 | 985 | 989 | 0-40 | 1208 | 53.6 | 55 | 1357 | 1270 | 1393 | | | |
| Lamp Type | 25WLED | 10 | 972 | 967 | 976 | 0-60 | 1929 | 85.6 | 65 | 949 | 766 | 939 | | | |
| Lumens/Lamp | 2253 | 15 | 945 | 944 | 953 | 0-90 | 2253 | 100.0 | 75 | 688 | 526 | 815 | | | |
| Input Watts | 26 | 20 | 905 | 908 | 918 | | | | 85 | 445 | 286 | 547 | | | |
| | | 25 | 856 | 856 | 870 | Coefficients of Utilization | | | | | | | | | |
| | | 30 | 792 | 794 | 814 | EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20) | | | | | | | | | |
| | | 35 | 719 | 723 | 744 | pcc | 80 | | | 70 | | | 50 | | |
| | | 40 | 633 | 635 | 657 | pw | 70 | 50 | 30 | 70 | 50 | 30 | 50 | 30 | |
| | | 45 | 534 | 535 | 562 | RCR | | | | | | | | | |
| | | 50 | 434 | 439 | 457 | 0 | 118 | 118 | 118 | 115 | 115 | 115 | 111 | 111 | |
| | | 55 | 341 | 339 | 350 | 1 | 110 | 105 | 102 | 107 | 103 | 100 | 98 | 95 | |
| | | 60 | 259 | 242 | 257 | 2 | 101 | 93 | 86 | 97 | 91 | 85 | 88 | 82 | |
| | | 65 | 189 | 166 | 187 | 3 | 93 | 82 | 76 | 90 | 81 | 75 | 79 | 72 | |
| | | 70 | 136 | 111 | 144 | 4 | 84 | 73 | 66 | 82 | 72 | 65 | 70 | 64 | |
| | | 75 | 97 | 84 | 115 | 5 | 79 | 67 | 58 | 77 | 66 | 57 | 64 | 56 | |
| | | 80 | 68 | 62 | 86 | 6 | 72 | 60 | 52 | 70 | 59 | 52 | 57 | 51 | |
| | | 85 | 35 | 28 | 43 | 7 | 68 | 55 | 46 | 67 | 55 | 46 | 53 | 46 | |
| | | | | | | 8 | 64 | 51 | 42 | 61 | 50 | 41 | 48 | 41 | |
| | | | | | | 9 | 59 | 46 | 39 | 57 | 46 | 39 | 45 | 38 | |
| | | | | | | 10 | 56 | 42 | 35 | 55 | 42 | 35 | 41 | 34 | |

2x2 DayLED LED Troffer, 2300 nominal lumens, diffuse lens

LER – 85

| Catalog No. | 2LTG23L840-2-184 | Candlepower | | | | Light Distribution | | | Average Luminance | | | | | | |
|-------------|------------------|-------------|-----|-----|-------|---|--------|-------------|-------------------|------|------|-------|-----|-----|--|
| | | Angle | End | 45 | Cross | Degrees | Lumens | % Luminaire | Angle | End | 45° | Cross | | | |
| Test No. | 29486 | 0 | 967 | 967 | 967 | 0-30 | 724 | 32.8 | 45 | 1671 | 1617 | 1756 | | | |
| S/MH | 1.2 | 5 | 962 | 960 | 961 | 0-40 | 1146 | 52.0 | 55 | 1322 | 1247 | 1381 | | | |
| Lamp Type | 25WLED | 10 | 943 | 941 | 945 | 0-60 | 1838 | 83.4 | 65 | 1029 | 928 | 1049 | | | |
| Lumens/Lamp | 2203 | 15 | 909 | 910 | 918 | 0-90 | 2203 | 100.0 | 75 | 844 | 683 | 808 | | | |
| Input Watts | 26 | 20 | 866 | 871 | 880 | | | | 85 | 521 | 327 | 445 | | | |
| | | 25 | 807 | 814 | 829 | Coefficients of Utilization | | | | | | | | | |
| | | 30 | 740 | 749 | 764 | EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20) | | | | | | | | | |
| | | 35 | 666 | 675 | 694 | pcc | 80 | | | 70 | | | 50 | | |
| | | 40 | 581 | 589 | 608 | pw | 70 | 50 | 30 | 70 | 50 | 30 | 50 | 30 | |
| | | 45 | 494 | 500 | 519 | RCR | | | | | | | | | |
| | | 50 | 414 | 419 | 432 | 0 | 118 | 118 | 118 | 115 | 115 | 115 | 111 | 111 | |
| | | 55 | 332 | 333 | 347 | 1 | 109 | 105 | 101 | 107 | 103 | 98 | 97 | 94 | |
| | | 60 | 263 | 261 | 273 | 2 | 100 | 93 | 85 | 97 | 91 | 84 | 86 | 81 | |
| | | 65 | 205 | 201 | 209 | 3 | 92 | 81 | 73 | 90 | 81 | 72 | 78 | 71 | |
| | | 70 | 159 | 149 | 157 | 4 | 84 | 72 | 65 | 82 | 71 | 64 | 69 | 63 | |
| | | 75 | 119 | 109 | 114 | 5 | 78 | 66 | 57 | 76 | 65 | 56 | 63 | 56 | |
| | | 80 | 82 | 72 | 77 | 6 | 72 | 59 | 51 | 70 | 58 | 51 | 56 | 50 | |
| | | 85 | 41 | 32 | 35 | 7 | 68 | 55 | 46 | 66 | 54 | 46 | 52 | 45 | |
| | | | | | | 8 | 63 | 50 | 41 | 61 | 48 | 41 | 47 | 40 | |
| | | | | | | 9 | 58 | 46 | 38 | 57 | 46 | 38 | 44 | 38 | |
| | | | | | | 10 | 56 | 42 | 34 | 54 | 41 | 34 | 40 | 34 | |

photometry

2x2 DayLED LED Troffer, 2700 nominal lumens, standard lens

LER – 89

| Catalog No. 2LTG27L840-2-21 Test No. 29479 S/MH 1.2 Lamp Type 30WLED Lumens/Lamp 2665 Input Watts 30 Comparative yearly lighting energy cost per 1000 lumens – \$2.70 based on 3000 hrs. and \$.08 pwr KWH. The photometric results were obtained in the Philips Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology. Photometric values based on test performed in compliance with LM-79. | Candlepower <table border="1"> <thead> <tr> <th>Angle</th> <th>End</th> <th>45</th> <th>Cross</th> </tr> </thead> <tbody> <tr><td>0</td><td>1170</td><td>1170</td><td>1170</td></tr> <tr><td>5</td><td>1166</td><td>1164</td><td>1167</td></tr> <tr><td>10</td><td>1145</td><td>1144</td><td>1152</td></tr> <tr><td>15</td><td>1111</td><td>1115</td><td>1125</td></tr> <tr><td>20</td><td>1065</td><td>1071</td><td>1088</td></tr> <tr><td>25</td><td>998</td><td>1013</td><td>1037</td></tr> <tr><td>30</td><td>927</td><td>939</td><td>967</td></tr> <tr><td>35</td><td>841</td><td>851</td><td>887</td></tr> <tr><td>40</td><td>735</td><td>744</td><td>784</td></tr> <tr><td>45</td><td>624</td><td>635</td><td>665</td></tr> <tr><td>50</td><td>510</td><td>523</td><td>550</td></tr> <tr><td>55</td><td>394</td><td>406</td><td>428</td></tr> <tr><td>60</td><td>296</td><td>299</td><td>316</td></tr> <tr><td>65</td><td>221</td><td>202</td><td>228</td></tr> <tr><td>70</td><td>169</td><td>133</td><td>163</td></tr> <tr><td>75</td><td>133</td><td>89</td><td>119</td></tr> <tr><td>80</td><td>97</td><td>66</td><td>80</td></tr> <tr><td>85</td><td>49</td><td>40</td><td>40</td></tr> </tbody> </table> | | | | Angle | End | 45 | Cross | 0 | 1170 | 1170 | 1170 | 5 | 1166 | 1164 | 1167 | 10 | 1145 | 1144 | 1152 | 15 | 1111 | 1115 | 1125 | 20 | 1065 | 1071 | 1088 | 25 | 998 | 1013 | 1037 | 30 | 927 | 939 | 967 | 35 | 841 | 851 | 887 | 40 | 735 | 744 | 784 | 45 | 624 | 635 | 665 | 50 | 510 | 523 | 550 | 55 | 394 | 406 | 428 | 60 | 296 | 299 | 316 | 65 | 221 | 202 | 228 | 70 | 169 | 133 | 163 | 75 | 133 | 89 | 119 | 80 | 97 | 66 | 80 | 85 | 49 | 40 | 40 | Light Distribution <table border="1"> <thead> <tr> <th>Degrees</th> <th>Lumens</th> <th>% Luminaire</th> </tr> </thead> <tbody> <tr><td>0-30</td><td>829</td><td>33.5</td></tr> <tr><td>0-40</td><td>1426</td><td>53.5</td></tr> <tr><td>0-60</td><td>2283</td><td>85.7</td></tr> <tr><td>0-90</td><td>2665</td><td>100.0</td></tr> </tbody> </table> | | | Degrees | Lumens | % Luminaire | 0-30 | 829 | 33.5 | 0-40 | 1426 | 53.5 | 0-60 | 2283 | 85.7 | 0-90 | 2665 | 100.0 | Average Luminance <table border="1"> <thead> <tr> <th>Angle</th> <th>End</th> <th>45°</th> <th>Cross</th> </tr> </thead> <tbody> <tr><td>45</td><td>2111</td><td>2054</td><td>2250</td></tr> <tr><td>55</td><td>1568</td><td>1521</td><td>1704</td></tr> <tr><td>65</td><td>1110</td><td>933</td><td>1145</td></tr> <tr><td>75</td><td>943</td><td>558</td><td>844</td></tr> <tr><td>85</td><td>623</td><td>409</td><td>508</td></tr> </tbody> </table> | | | | Angle | End | 45° | Cross | 45 | 2111 | 2054 | 2250 | 55 | 1568 | 1521 | 1704 | 65 | 1110 | 933 | 1145 | 75 | 943 | 558 | 844 | 85 | 623 | 409 | 508 | | | | |
|---|---|-------------|-------|-------|-------|-----|-----|-------|----|------|------|------|---|------|------|------|----|------|------|------|----|------|------|------|----|------|------|------|----|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|----|-----|-----|-----|----|-----|-----|-----|----|-----|-----|-----|----|-----|-----|-----|----|-----|----|-----|----|----|----|----|----|----|----|----|---|----|----|---------|--------|-------------|------|-----|------|------|------|------|------|------|------|------|------|-------|---|----|----|----|-------|-----|-----|-------|----|------|------|------|----|------|------|------|----|------|-----|------|----|-----|-----|-----|----|-----|-----|-----|----|----|----|----|
| | Angle | End | 45 | Cross | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 1170 | 1170 | 1170 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 1166 | 1164 | 1167 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 1145 | 1144 | 1152 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | 1111 | 1115 | 1125 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 1065 | 1071 | 1088 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | 998 | 1013 | 1037 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | 927 | 939 | 967 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35 | 841 | 851 | 887 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | 735 | 744 | 784 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 45 | 624 | 635 | 665 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50 | 510 | 523 | 550 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55 | 394 | 406 | 428 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60 | 296 | 299 | 316 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 65 | 221 | 202 | 228 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 70 | 169 | 133 | 163 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | 133 | 89 | 119 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | 97 | 66 | 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | 49 | 40 | 40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Degrees | Lumens | % Luminaire | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0-30 | 829 | 33.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0-40 | 1426 | 53.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0-60 | 2283 | 85.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0-90 | 2665 | 100.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Angle | End | 45° | Cross | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 45 | 2111 | 2054 | 2250 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55 | 1568 | 1521 | 1704 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 65 | 1110 | 933 | 1145 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | 943 | 558 | 844 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | 623 | 409 | 508 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Coefficients of Utilization EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20) <table border="1"> <thead> <tr> <th rowspan="2">pcc</th> <th colspan="3">80</th> <th colspan="3">70</th> <th colspan="3">50</th> </tr> <tr> <th>70</th> <th>50</th> <th>30</th> <th>70</th> <th>50</th> <th>30</th> <th>50</th> <th>30</th> </tr> </thead> <tbody> <tr><td>RCR</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>0</td><td>118</td><td>118</td><td>118</td><td>115</td><td>115</td><td>115</td><td>111</td><td>111</td></tr> <tr><td>1</td><td>110</td><td>105</td><td>102</td><td>107</td><td>103</td><td>100</td><td>98</td><td>95</td></tr> <tr><td>2</td><td>101</td><td>93</td><td>86</td><td>97</td><td>91</td><td>85</td><td>88</td><td>82</td></tr> <tr><td>3</td><td>93</td><td>82</td><td>76</td><td>90</td><td>81</td><td>75</td><td>79</td><td>72</td></tr> <tr><td>4</td><td>84</td><td>73</td><td>66</td><td>82</td><td>72</td><td>65</td><td>70</td><td>64</td></tr> <tr><td>5</td><td>79</td><td>67</td><td>58</td><td>77</td><td>66</td><td>57</td><td>64</td><td>56</td></tr> <tr><td>6</td><td>72</td><td>60</td><td>52</td><td>70</td><td>59</td><td>52</td><td>57</td><td>51</td></tr> <tr><td>7</td><td>68</td><td>55</td><td>46</td><td>67</td><td>55</td><td>46</td><td>53</td><td>46</td></tr> <tr><td>8</td><td>64</td><td>51</td><td>42</td><td>61</td><td>50</td><td>41</td><td>48</td><td>41</td></tr> <tr><td>9</td><td>59</td><td>46</td><td>39</td><td>57</td><td>46</td><td>39</td><td>45</td><td>38</td></tr> <tr><td>10</td><td>56</td><td>42</td><td>35</td><td>55</td><td>42</td><td>35</td><td>41</td><td>34</td></tr> </tbody> </table> | | | | | pcc | 80 | | | 70 | | | 50 | | | 70 | 50 | 30 | 70 | 50 | 30 | 50 | 30 | RCR | | | | | | | | | 0 | 118 | 118 | 118 | 115 | 115 | 115 | 111 | 111 | 1 | 110 | 105 | 102 | 107 | 103 | 100 | 98 | 95 | 2 | 101 | 93 | 86 | 97 | 91 | 85 | 88 | 82 | 3 | 93 | 82 | 76 | 90 | 81 | 75 | 79 | 72 | 4 | 84 | 73 | 66 | 82 | 72 | 65 | 70 | 64 | 5 | 79 | 67 | 58 | 77 | 66 | 57 | 64 | 56 | 6 | 72 | 60 | 52 | 70 | 59 | 52 | 57 | 51 | 7 | 68 | 55 | 46 | 67 | 55 | 46 | 53 | 46 | 8 | 64 | 51 | 42 | 61 | 50 | 41 | 48 | 41 | 9 | 59 | 46 | 39 | 57 | 46 | 39 | 45 | 38 | 10 | 56 | 42 | 35 | 55 | 42 | 35 | 41 | 34 |
| pcc | 80 | | | 70 | | | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 70 | 50 | 30 | 70 | 50 | 30 | 50 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RCR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 118 | 118 | 118 | 115 | 115 | 115 | 111 | 111 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 110 | 105 | 102 | 107 | 103 | 100 | 98 | 95 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 101 | 93 | 86 | 97 | 91 | 85 | 88 | 82 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 93 | 82 | 76 | 90 | 81 | 75 | 79 | 72 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 84 | 73 | 66 | 82 | 72 | 65 | 70 | 64 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 79 | 67 | 58 | 77 | 66 | 57 | 64 | 56 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 72 | 60 | 52 | 70 | 59 | 52 | 57 | 51 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 68 | 55 | 46 | 67 | 55 | 46 | 53 | 46 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | 64 | 51 | 42 | 61 | 50 | 41 | 48 | 41 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | 59 | 46 | 39 | 57 | 46 | 39 | 45 | 38 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 56 | 42 | 35 | 55 | 42 | 35 | 41 | 34 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

2x2 DayLED LED Troffer, 2700 nominal lumens, diffuse lens

LER – 84

| Catalog No. 2LTG27L840-2-184 Test No. 29478 S/MH 1.2 Lamp Type 30WLED Lumens/Lamp 2615 Input Watts 31 Comparative yearly lighting energy cost per 1000 lumens – \$2.86 based on 3000 hrs. and \$.08 pwr KWH. The photometric results were obtained in the Philips Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology. Photometric values based on test performed in compliance with LM-79. | Candlepower <table border="1"> <thead> <tr> <th>Angle</th> <th>End</th> <th>45</th> <th>Cross</th> </tr> </thead> <tbody> <tr><td>0</td><td>1144</td><td>1144</td><td>1144</td></tr> <tr><td>5</td><td>1138</td><td>1136</td><td>1139</td></tr> <tr><td>10</td><td>1115</td><td>1113</td><td>1121</td></tr> <tr><td>15</td><td>1076</td><td>1079</td><td>1087</td></tr> <tr><td>20</td><td>1026</td><td>1031</td><td>1042</td></tr> <tr><td>25</td><td>955</td><td>968</td><td>981</td></tr> <tr><td>30</td><td>876</td><td>886</td><td>905</td></tr> <tr><td>35</td><td>787</td><td>804</td><td>820</td></tr> <tr><td>40</td><td>691</td><td>699</td><td>721</td></tr> <tr><td>45</td><td>584</td><td>599</td><td>615</td></tr> <tr><td>50</td><td>491</td><td>495</td><td>511</td></tr> <tr><td>55</td><td>395</td><td>394</td><td>409</td></tr> <tr><td>60</td><td>314</td><td>310</td><td>322</td></tr> <tr><td>65</td><td>244</td><td>238</td><td>245</td></tr> <tr><td>70</td><td>186</td><td>178</td><td>183</td></tr> <tr><td>75</td><td>142</td><td>128</td><td>134</td></tr> <tr><td>80</td><td>96</td><td>85</td><td>90</td></tr> <tr><td>85</td><td>48</td><td>40</td><td>44</td></tr> </tbody> </table> | | | | Angle | End | 45 | Cross | 0 | 1144 | 1144 | 1144 | 5 | 1138 | 1136 | 1139 | 10 | 1115 | 1113 | 1121 | 15 | 1076 | 1079 | 1087 | 20 | 1026 | 1031 | 1042 | 25 | 955 | 968 | 981 | 30 | 876 | 886 | 905 | 35 | 787 | 804 | 820 | 40 | 691 | 699 | 721 | 45 | 584 | 599 | 615 | 50 | 491 | 495 | 511 | 55 | 395 | 394 | 409 | 60 | 314 | 310 | 322 | 65 | 244 | 238 | 245 | 70 | 186 | 178 | 183 | 75 | 142 | 128 | 134 | 80 | 96 | 85 | 90 | 85 | 48 | 40 | 44 | Light Distribution <table border="1"> <thead> <tr> <th>Degrees</th> <th>Lumens</th> <th>% Luminaire</th> </tr> </thead> <tbody> <tr><td>0-30</td><td>858</td><td>32.8</td></tr> <tr><td>0-40</td><td>1359</td><td>52.0</td></tr> <tr><td>0-60</td><td>2181</td><td>83.4</td></tr> <tr><td>0-90</td><td>2615</td><td>100.0</td></tr> </tbody> </table> | | | Degrees | Lumens | % Luminaire | 0-30 | 858 | 32.8 | 0-40 | 1359 | 52.0 | 0-60 | 2181 | 83.4 | 0-90 | 2615 | 100.0 | Average Luminance <table border="1"> <thead> <tr> <th>Angle</th> <th>End</th> <th>45°</th> <th>Cross</th> </tr> </thead> <tbody> <tr><td>45</td><td>1976</td><td>1937</td><td>2080</td></tr> <tr><td>55</td><td>1572</td><td>1476</td><td>1628</td></tr> <tr><td>65</td><td>1225</td><td>1099</td><td>1230</td></tr> <tr><td>75</td><td>1007</td><td>802</td><td>950</td></tr> <tr><td>85</td><td>610</td><td>409</td><td>559</td></tr> </tbody> </table> | | | | Angle | End | 45° | Cross | 45 | 1976 | 1937 | 2080 | 55 | 1572 | 1476 | 1628 | 65 | 1225 | 1099 | 1230 | 75 | 1007 | 802 | 950 | 85 | 610 | 409 | 559 | | | | |
|--|--|-------------|-------|-------|-------|-----|-----|-------|----|------|------|------|---|------|------|------|----|------|------|------|----|------|------|------|----|------|------|------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|----|-----|-----|-----|----|-----|-----|-----|----|-----|-----|-----|----|-----|-----|-----|----|-----|-----|-----|----|----|----|----|----|----|----|----|---|----|----|---------|--------|-------------|------|-----|------|------|------|------|------|------|------|------|------|-------|---|----|----|----|-------|-----|-----|-------|----|------|------|------|----|------|------|------|----|------|------|------|----|------|-----|-----|----|-----|-----|-----|----|----|----|----|
| | Angle | End | 45 | Cross | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 1144 | 1144 | 1144 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 1138 | 1136 | 1139 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 1115 | 1113 | 1121 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | 1076 | 1079 | 1087 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 1026 | 1031 | 1042 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | 955 | 968 | 981 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | 876 | 886 | 905 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35 | 787 | 804 | 820 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | 691 | 699 | 721 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 45 | 584 | 599 | 615 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50 | 491 | 495 | 511 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55 | 395 | 394 | 409 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60 | 314 | 310 | 322 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 65 | 244 | 238 | 245 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 70 | 186 | 178 | 183 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | 142 | 128 | 134 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | 96 | 85 | 90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | 48 | 40 | 44 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Degrees | Lumens | % Luminaire | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0-30 | 858 | 32.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0-40 | 1359 | 52.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0-60 | 2181 | 83.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0-90 | 2615 | 100.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Angle | End | 45° | Cross | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 45 | 1976 | 1937 | 2080 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55 | 1572 | 1476 | 1628 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 65 | 1225 | 1099 | 1230 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | 1007 | 802 | 950 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | 610 | 409 | 559 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Coefficients of Utilization EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20) <table border="1"> <thead> <tr> <th rowspan="2">pcc</th> <th colspan="3">80</th> <th colspan="3">70</th> <th colspan="3">50</th> </tr> <tr> <th>70</th> <th>50</th> <th>30</th> <th>70</th> <th>50</th> <th>30</th> <th>50</th> <th>30</th> </tr> </thead> <tbody> <tr><td>RCR</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>0</td><td>118</td><td>118</td><td>118</td><td>115</td><td>115</td><td>115</td><td>111</td><td>111</td></tr> <tr><td>1</td><td>109</td><td>105</td><td>101</td><td>107</td><td>103</td><td>98</td><td>97</td><td>94</td></tr> <tr><td>2</td><td>100</td><td>93</td><td>85</td><td>97</td><td>91</td><td>84</td><td>86</td><td>81</td></tr> <tr><td>3</td><td>92</td><td>81</td><td>73</td><td>90</td><td>81</td><td>72</td><td>78</td><td>71</td></tr> <tr><td>4</td><td>84</td><td>72</td><td>65</td><td>82</td><td>71</td><td>64</td><td>69</td><td>63</td></tr> <tr><td>5</td><td>78</td><td>66</td><td>57</td><td>76</td><td>65</td><td>56</td><td>63</td><td>56</td></tr> <tr><td>6</td><td>72</td><td>59</td><td>51</td><td>70</td><td>58</td><td>51</td><td>56</td><td>50</td></tr> <tr><td>7</td><td>68</td><td>55</td><td>46</td><td>66</td><td>54</td><td>46</td><td>52</td><td>45</td></tr> <tr><td>8</td><td>63</td><td>50</td><td>41</td><td>61</td><td>48</td><td>41</td><td>47</td><td>40</td></tr> <tr><td>9</td><td>58</td><td>46</td><td>38</td><td>57</td><td>46</td><td>38</td><td>44</td><td>38</td></tr> <tr><td>10</td><td>56</td><td>42</td><td>34</td><td>54</td><td>41</td><td>34</td><td>40</td><td>34</td></tr> </tbody> </table> | | | | | pcc | 80 | | | 70 | | | 50 | | | 70 | 50 | 30 | 70 | 50 | 30 | 50 | 30 | RCR | | | | | | | | | 0 | 118 | 118 | 118 | 115 | 115 | 115 | 111 | 111 | 1 | 109 | 105 | 101 | 107 | 103 | 98 | 97 | 94 | 2 | 100 | 93 | 85 | 97 | 91 | 84 | 86 | 81 | 3 | 92 | 81 | 73 | 90 | 81 | 72 | 78 | 71 | 4 | 84 | 72 | 65 | 82 | 71 | 64 | 69 | 63 | 5 | 78 | 66 | 57 | 76 | 65 | 56 | 63 | 56 | 6 | 72 | 59 | 51 | 70 | 58 | 51 | 56 | 50 | 7 | 68 | 55 | 46 | 66 | 54 | 46 | 52 | 45 | 8 | 63 | 50 | 41 | 61 | 48 | 41 | 47 | 40 | 9 | 58 | 46 | 38 | 57 | 46 | 38 | 44 | 38 | 10 | 56 | 42 | 34 | 54 | 41 | 34 | 40 | 34 |
| pcc | 80 | | | 70 | | | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 70 | 50 | 30 | 70 | 50 | 30 | 50 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RCR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 118 | 118 | 118 | 115 | 115 | 115 | 111 | 111 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 109 | 105 | 101 | 107 | 103 | 98 | 97 | 94 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 100 | 93 | 85 | 97 | 91 | 84 | 86 | 81 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 92 | 81 | 73 | 90 | 81 | 72 | 78 | 71 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 84 | 72 | 65 | 82 | 71 | 64 | 69 | 63 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 78 | 66 | 57 | 76 | 65 | 56 | 63 | 56 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 72 | 59 | 51 | 70 | 58 | 51 | 56 | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 68 | 55 | 46 | 66 | 54 | 46 | 52 | 45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | 63 | 50 | 41 | 61 | 48 | 41 | 47 | 40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | 58 | 46 | 38 | 57 | 46 | 38 | 44 | 38 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 56 | 42 | 34 | 54 | 41 | 34 | 40 | 34 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

2x2 DayLED LED Troffer, 3400 nominal lumens, standard lens

LER – 84

| Catalog No. 2LTG34L840-2-21 Test No. 29481 S/MH 1.2 Lamp Type 38WLED Lumens/Lamp 3368 Input Watts 40 Comparative yearly lighting energy cost per 1000 lumens – \$2.86 based on 3000 hrs. and \$.08 pwr KWH. The photometric results were obtained in the Philips Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology. Photometric values based on test performed in compliance with LM-79. | Candlepower <table border="1"> <thead> <tr> <th>Angle</th> <th>End</th> <th>45</th> <th>Cross</th> </tr> </thead> <tbody> <tr><td>0</td><td>1484</td><td>1484</td><td>1484</td></tr> <tr><td>5</td><td>1475</td><td>1474</td><td>1482</td></tr> <tr><td>10</td><td>1450</td><td>1448</td><td>1463</td></tr> <tr><td>15</td><td>1412</td><td>1410</td><td>1428</td></tr> <tr><td>20</td><td>1349</td><td>1356</td><td>1377</td></tr> <tr><td>25</td><td>1277</td><td>1282</td><td>1301</td></tr> <tr><td>30</td><td>1183</td><td>1188</td><td>1215</td></tr> <tr><td>35</td><td>1074</td><td>1078</td><td>1116</td></tr> <tr><td>40</td><td>938</td><td>939</td><td>987</td></tr> <tr><td>45</td><td>793</td><td>803</td><td>840</td></tr> <tr><td>50</td><td>656</td><td>658</td><td>684</td></tr> <tr><td>55</td><td>521</td><td>507</td><td>516</td></tr> <tr><td>60</td><td>392</td><td>372</td><td>379</td></tr> <tr><td>65</td><td>284</td><td>252</td><td>283</td></tr> <tr><td>70</td><td>204</td><td>165</td><td>217</td></tr> <tr><td>75</td><td>142</td><td>112</td><td>172</td></tr> <tr><td>80</td><td>98</td><td>83</td><td>127</td></tr> <tr><td>85</td><td>51</td><td>50</td><td>66</td></tr> </tbody> </table> | | | | Angle | End | 45 | Cross | 0 | 1484 | 1484 | 1484 | 5 | 1475 | 1474 | 1482 | 10 | 1450 | 1448 | 1463 | 15 | 1412 | 1410 | 1428 | 20 | 1349 | 1356 | 1377 | 25 | 1277 | 1282 | 1301 | 30 | 1183 | 1188 | 1215 | 35 | 1074 | 1078 | 1116 | 40 | 938 | 939 | 987 | 45 | 793 | 803 | 840 | 50 | 656 | 658 | 684 | 55 | 521 | 507 | 516 | 60 | 392 | 372 | 379 | 65 | 284 | 252 | 283 | 70 | 204 | 165 | 217 | 75 | 142 | 112 | 172 | 80 | 98 | 83 | 127 | 85 | 51 | 50 | 66 | Light Distribution <table border="1"> <thead> <tr> <th>Degrees</th> <th>Lumens</th> <th>% Luminaire</th> </tr> </thead> <tbody> <tr><td>0-30</td><td>1130</td><td>33.5</td></tr> <tr><td>0-40</td><td>1805</td><td>53.6</td></tr> <tr><td>0-60</td><td>2887</td><td>85.7</td></tr> <tr><td>0-90</td><td>3368</td><td>100.0</td></tr> </tbody> </table> | | | Degrees | Lumens | % Luminaire | 0-30 | 1130 | 33.5 | 0-40 | 1805 | 53.6 | 0-60 | 2887 | 85.7 | 0-90 | 3368 | 100.0 | Average Luminance <table border="1"> <thead> <tr> <th>Angle</th> <th>End</th> <th>45°</th> <th>Cross</th> </tr> </thead> <tbody> <tr><td>45</td><td>2683</td><td>2597</td><td>2842</td></tr> <tr><td>55</td><td>2074</td><td>1899</td><td>2054</td></tr> <tr><td>65</td><td>1426</td><td>1164</td><td>1421</td></tr> <tr><td>75</td><td>1007</td><td>702</td><td>1219</td></tr> <tr><td>85</td><td>648</td><td>511</td><td>839</td></tr> </tbody> </table> | | | | Angle | End | 45° | Cross | 45 | 2683 | 2597 | 2842 | 55 | 2074 | 1899 | 2054 | 65 | 1426 | 1164 | 1421 | 75 | 1007 | 702 | 1219 | 85 | 648 | 511 | 839 | | | | |
|---|--|-------------|-------|-------|-------|-----|-----|-------|----|------|------|------|---|------|------|------|----|------|------|------|----|------|------|------|----|------|------|------|----|------|------|------|-----|------|------|------|-----|------|------|------|----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|----|-----|-----|-----|----|-----|-----|-----|----|-----|-----|-----|----|-----|-----|-----|----|-----|-----|-----|----|----|----|-----|----|----|----|----|--|----|----|---------|--------|-------------|------|------|------|------|------|------|------|------|------|------|------|-------|--|----|----|----|-------|-----|-----|-------|----|------|------|------|----|------|------|------|----|------|------|------|----|------|-----|------|----|-----|-----|-----|----|----|----|----|
| | Angle | End | 45 | Cross | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 1484 | 1484 | 1484 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 1475 | 1474 | 1482 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 1450 | 1448 | 1463 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | 1412 | 1410 | 1428 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 1349 | 1356 | 1377 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | 1277 | 1282 | 1301 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | 1183 | 1188 | 1215 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35 | 1074 | 1078 | 1116 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | 938 | 939 | 987 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 45 | 793 | 803 | 840 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50 | 656 | 658 | 684 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55 | 521 | 507 | 516 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60 | 392 | 372 | 379 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 65 | 284 | 252 | 283 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 70 | 204 | 165 | 217 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | 142 | 112 | 172 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | 98 | 83 | 127 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | 51 | 50 | 66 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Degrees | Lumens | % Luminaire | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0-30 | 1130 | 33.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0-40 | 1805 | 53.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0-60 | 2887 | 85.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0-90 | 3368 | 100.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Angle | End | 45° | Cross | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 45 | 2683 | 2597 | 2842 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55 | 2074 | 1899 | 2054 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 65 | 1426 | 1164 | 1421 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | 1007 | 702 | 1219 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | 648 | 511 | 839 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Coefficients of Utilization EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20) <table border="1"> <thead> <tr> <th rowspan="2">pcc</th> <th colspan="3">80</th> <th colspan="3">70</th> <th colspan="3">50</th> </tr> <tr> <th>70</th> <th>50</th> <th>30</th> <th>70</th> <th>50</th> <th>30</th> <th>50</th> <th>30</th> </tr> </thead> <tbody> <tr><td>RCR</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>0</td><td>118</td><td>118</td><td>118</td><td>115</td><td>115</td><td>115</td><td>111</td><td>111</td></tr> <tr><td>1</td><td>110</td><td>105</td><td>102</td><td>107</td><td>103</td><td>100</td><td>98</td><td>95</td></tr> <tr><td>2</td><td>101</td><td>93</td><td>86</td><td>97</td><td>92</td><td>85</td><td>88</td><td>82</td></tr> <tr><td>3</td><td>93</td><td>82</td><td>76</td><td>90</td><td>81</td><td>75</td><td>79</td><td>72</td></tr> <tr><td>4</td><td>85</td><td>73</td><td>66</td><td>82</td><td>72</td><td>66</td><td>70</td><td>64</td></tr> <tr><td>5</td><td>79</td><td>67</td><td>58</td><td>77</td><td>66</td><td>57</td><td>64</td><td>56</td></tr> <tr><td>6</td><td>72</td><td>60</td><td>52</td><td>71</td><td>59</td><td>52</td><td>57</td><td>51</td></tr> <tr><td>7</td><td>68</td><td>55</td><td>46</td><td>67</td><td>55</td><td>46</td><td>53</td><td>46</td></tr> <tr><td>8</td><td>64</td><td>51</td><td>42</td><td>61</td><td>50</td><td>41</td><td>48</td><td>41</td></tr> <tr><td>9</td><td>59</td><td>46</td><td>39</td><td>57</td><td>46</td><td>39</td><td>45</td><td>38</td></tr> <tr><td>10</td><td>56</td><td>42</td><td>35</td><td>55</td><td>42</td><td>35</td><td>41</td><td>34</td></tr> </tbody> </table> | | | | | pcc | 80 | | | 70 | | | 50 | | | 70 | 50 | 30 | 70 | 50 | 30 | 50 | 30 | RCR | | | | | | | | | 0 | 118 | 118 | 118 | 115 | 115 | 115 | 111 | 111 | 1 | 110 | 105 | 102 | 107 | 103 | 100 | 98 | 95 | 2 | 101 | 93 | 86 | 97 | 92 | 85 | 88 | 82 | 3 | 93 | 82 | 76 | 90 | 81 | 75 | 79 | 72 | 4 | 85 | 73 | 66 | 82 | 72 | 66 | 70 | 64 | 5 | 79 | 67 | 58 | 77 | 66 | 57 | 64 | 56 | 6 | 72 | 60 | 52 | 71 | 59 | 52 | 57 | 51 | 7 | 68 | 55 | 46 | 67 | 55 | 46 | 53 | 46 | 8 | 64 | 51 | 42 | 61 | 50 | 41 | 48 | 41 | 9 | 59 | 46 | 39 | 57 | 46 | 39 | 45 | 38 | 10 | 56 | 42 | 35 | 55 | 42 | 35 | 41 | 34 |
| pcc | 80 | | | 70 | | | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 70 | 50 | 30 | 70 | 50 | 30 | 50 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RCR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 118 | 118 | 118 | 115 | 115 | 115 | 111 | 111 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 110 | 105 | 102 | 107 | 103 | 100 | 98 | 95 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 101 | 93 | 86 | 97 | 92 | 85 | 88 | 82 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 93 | 82 | 76 | 90 | 81 | 75 | 79 | 72 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 85 | 73 | 66 | 82 | 72 | 66 | 70 | 64 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 79 | 67 | 58 | 77 | 66 | 57 | 64 | 56 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 72 | 60 | 52 | 71 | 59 | 52 | 57 | 51 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 68 | 55 | 46 | 67 | 55 | 46 | 53 | 46 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | 64 | 51 | 42 | 61 | 50 | 41 | 48 | 41 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | 59 | 46 | 39 | 57 | 46 | 39 | 45 | 38 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 56 | 42 | 35 | 55 | 42 | 35 | 41 | 34 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

photometry

2x2 DayLED LED Troffer, 3400 nominal lumens, diffuse lens

LER – 82

| Catalog No. 2LTG34L840-2-184 Test No. 29480 S/MH 1.2 Lamp Type 38WLED Lumens/Lamp 3288 Input Watts 40 Comparative yearly lighting energy cost per 1000 lumens – \$2.93 based on 3000 hrs. and \$.08 pwr KWH. The photometric results were obtained in the Philips Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology. Photometric values based on test performed in compliance with LM-79. | Candlepower | | | | Light Distribution | | | Average Luminance | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|-------------|-------|-----|---------------------------|-----|------|--------------------------|------|---|------|------|------|----|------|------|------|----|------|------|------|----|------|------|------|----|------|------|------|----|------|------|------|----|-----|------|------|----|-----|-----|-----|----|-----|-----|-----|----|-----|-----|-----|----|-----|-----|-----|----|-----|-----|-----|----|-----|-----|-----|----|-----|-----|-----|----|-----|-----|-----|----|-----|-----|-----|----|----|----|----|---|---------|--------|-------------|------|------|------|------|------|------|------|------|------|------|------|-------|---|-------|-----|-----|-------|----|------|------|------|----|------|------|------|----|------|------|------|----|------|------|------|----|-----|-----|
| | <table border="1"> <thead> <tr> <th>Angle</th> <th>End</th> <th>45</th> <th>Cross</th> </tr> </thead> <tbody> <tr><td>0</td><td>1443</td><td>1443</td><td>1443</td></tr> <tr><td>5</td><td>1437</td><td>1431</td><td>1435</td></tr> <tr><td>10</td><td>1408</td><td>1405</td><td>1410</td></tr> <tr><td>15</td><td>1360</td><td>1359</td><td>1367</td></tr> <tr><td>20</td><td>1296</td><td>1297</td><td>1310</td></tr> <tr><td>25</td><td>1211</td><td>1220</td><td>1233</td></tr> <tr><td>30</td><td>1117</td><td>1119</td><td>1135</td></tr> <tr><td>35</td><td>998</td><td>1007</td><td>1028</td></tr> <tr><td>40</td><td>877</td><td>884</td><td>899</td></tr> <tr><td>45</td><td>749</td><td>754</td><td>771</td></tr> <tr><td>50</td><td>616</td><td>621</td><td>645</td></tr> <tr><td>55</td><td>499</td><td>499</td><td>515</td></tr> <tr><td>60</td><td>394</td><td>392</td><td>408</td></tr> <tr><td>65</td><td>303</td><td>298</td><td>313</td></tr> <tr><td>70</td><td>230</td><td>223</td><td>241</td></tr> <tr><td>75</td><td>167</td><td>161</td><td>183</td></tr> <tr><td>80</td><td>109</td><td>110</td><td>128</td></tr> <tr><td>85</td><td>56</td><td>51</td><td>63</td></tr> </tbody> </table> | Angle | End | 45 | Cross | 0 | 1443 | 1443 | 1443 | 5 | 1437 | 1431 | 1435 | 10 | 1408 | 1405 | 1410 | 15 | 1360 | 1359 | 1367 | 20 | 1296 | 1297 | 1310 | 25 | 1211 | 1220 | 1233 | 30 | 1117 | 1119 | 1135 | 35 | 998 | 1007 | 1028 | 40 | 877 | 884 | 899 | 45 | 749 | 754 | 771 | 50 | 616 | 621 | 645 | 55 | 499 | 499 | 515 | 60 | 394 | 392 | 408 | 65 | 303 | 298 | 313 | 70 | 230 | 223 | 241 | 75 | 167 | 161 | 183 | 80 | 109 | 110 | 128 | 85 | 56 | 51 | 63 | <table border="1"> <thead> <tr> <th>Degrees</th> <th>Lumens</th> <th>% Luminaire</th> </tr> </thead> <tbody> <tr><td>0-30</td><td>1080</td><td>32.8</td></tr> <tr><td>0-40</td><td>1709</td><td>52.0</td></tr> <tr><td>0-60</td><td>2742</td><td>83.4</td></tr> <tr><td>0-90</td><td>3288</td><td>100.0</td></tr> </tbody> </table> | Degrees | Lumens | % Luminaire | 0-30 | 1080 | 32.8 | 0-40 | 1709 | 52.0 | 0-60 | 2742 | 83.4 | 0-90 | 3288 | 100.0 | <table border="1"> <thead> <tr> <th>Angle</th> <th>End</th> <th>45°</th> <th>Cross</th> </tr> </thead> <tbody> <tr><td>45</td><td>2534</td><td>2438</td><td>2608</td></tr> <tr><td>55</td><td>1986</td><td>1869</td><td>2050</td></tr> <tr><td>65</td><td>1521</td><td>1376</td><td>1572</td></tr> <tr><td>75</td><td>1184</td><td>1009</td><td>1297</td></tr> <tr><td>85</td><td>712</td><td>521</td><td>801</td></tr> </tbody> </table> | Angle | End | 45° | Cross | 45 | 2534 | 2438 | 2608 | 55 | 1986 | 1869 | 2050 | 65 | 1521 | 1376 | 1572 | 75 | 1184 | 1009 | 1297 | 85 | 712 | 521 |
| Angle | End | 45 | Cross | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 1443 | 1443 | 1443 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 1437 | 1431 | 1435 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 1408 | 1405 | 1410 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | 1360 | 1359 | 1367 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 1296 | 1297 | 1310 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | 1211 | 1220 | 1233 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | 1117 | 1119 | 1135 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35 | 998 | 1007 | 1028 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | 877 | 884 | 899 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 45 | 749 | 754 | 771 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50 | 616 | 621 | 645 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55 | 499 | 499 | 515 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60 | 394 | 392 | 408 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 65 | 303 | 298 | 313 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 70 | 230 | 223 | 241 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | 167 | 161 | 183 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | 109 | 110 | 128 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | 56 | 51 | 63 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Degrees | Lumens | % Luminaire | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0-30 | 1080 | 32.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0-40 | 1709 | 52.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0-60 | 2742 | 83.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0-90 | 3288 | 100.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Angle | End | 45° | Cross | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 45 | 2534 | 2438 | 2608 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55 | 1986 | 1869 | 2050 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 65 | 1521 | 1376 | 1572 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | 1184 | 1009 | 1297 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | 712 | 521 | 801 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Coefficients of Utilization | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| pcc | 80 | | | 70 | | | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| pw | 70 | 50 | 30 | 70 | 50 | 30 | 50 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RCR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 118 | 118 | 118 | 115 | 115 | 115 | 111 | 111 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 109 | 105 | 101 | 107 | 103 | 98 | 97 | 94 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 100 | 93 | 85 | 97 | 91 | 84 | 86 | 81 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 92 | 81 | 73 | 90 | 81 | 72 | 78 | 71 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 84 | 72 | 65 | 82 | 71 | 64 | 69 | 63 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 78 | 66 | 57 | 76 | 65 | 56 | 63 | 56 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 72 | 59 | 51 | 70 | 58 | 51 | 56 | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 68 | 55 | 46 | 66 | 54 | 46 | 52 | 45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | 63 | 50 | 41 | 61 | 48 | 41 | 47 | 40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | 58 | 46 | 38 | 57 | 46 | 38 | 44 | 38 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 56 | 42 | 34 | 54 | 41 | 34 | 40 | 34 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

2x2 DayLED LED Troffer, 3800 nominal lumens, standard lens

LER – 83

| Catalog No. 2LTG38L840-2-21 Test No. 29483 S/MH 1.2 Lamp Type 45WLED Lumens/Lamp 3796 Input Watts 46 Comparative yearly lighting energy cost per 1000 lumens – \$2.89 based on 3000 hrs. and \$.08 pwr KWH. The photometric results were obtained in the Philips Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology. Photometric values based on test performed in compliance with LM-79. | Candlepower | | | | Light Distribution | | | Average Luminance | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|-------------|-------|-----|---------------------------|-----|------|--------------------------|------|---|------|------|------|----|------|------|------|----|------|------|------|----|------|------|------|----|------|------|------|----|------|------|------|----|------|------|------|----|------|------|------|----|-----|-----|-----|----|-----|-----|-----|----|-----|-----|-----|----|-----|-----|-----|----|-----|-----|-----|----|-----|-----|-----|----|-----|-----|-----|----|-----|----|-----|----|----|----|----|---|---------|--------|-------------|------|------|------|------|------|------|------|------|------|------|------|-------|--|-------|-----|-----|-------|----|------|------|------|----|------|------|------|----|------|------|------|----|------|-----|------|----|-----|-----|
| | <table border="1"> <thead> <tr> <th>Angle</th> <th>End</th> <th>45</th> <th>Cross</th> </tr> </thead> <tbody> <tr><td>0</td><td>1664</td><td>1664</td><td>1664</td></tr> <tr><td>5</td><td>1660</td><td>1653</td><td>1657</td></tr> <tr><td>10</td><td>1632</td><td>1628</td><td>1636</td></tr> <tr><td>15</td><td>1584</td><td>1584</td><td>1596</td></tr> <tr><td>20</td><td>1513</td><td>1519</td><td>1545</td></tr> <tr><td>25</td><td>1426</td><td>1437</td><td>1471</td></tr> <tr><td>30</td><td>1316</td><td>1330</td><td>1375</td></tr> <tr><td>35</td><td>1198</td><td>1208</td><td>1261</td></tr> <tr><td>40</td><td>1053</td><td>1061</td><td>1116</td></tr> <tr><td>45</td><td>886</td><td>902</td><td>947</td></tr> <tr><td>50</td><td>718</td><td>745</td><td>785</td></tr> <tr><td>55</td><td>566</td><td>582</td><td>603</td></tr> <tr><td>60</td><td>422</td><td>424</td><td>454</td></tr> <tr><td>65</td><td>312</td><td>293</td><td>329</td></tr> <tr><td>70</td><td>242</td><td>191</td><td>233</td></tr> <tr><td>75</td><td>187</td><td>133</td><td>168</td></tr> <tr><td>80</td><td>136</td><td>98</td><td>115</td></tr> <tr><td>85</td><td>72</td><td>59</td><td>64</td></tr> </tbody> </table> | Angle | End | 45 | Cross | 0 | 1664 | 1664 | 1664 | 5 | 1660 | 1653 | 1657 | 10 | 1632 | 1628 | 1636 | 15 | 1584 | 1584 | 1596 | 20 | 1513 | 1519 | 1545 | 25 | 1426 | 1437 | 1471 | 30 | 1316 | 1330 | 1375 | 35 | 1198 | 1208 | 1261 | 40 | 1053 | 1061 | 1116 | 45 | 886 | 902 | 947 | 50 | 718 | 745 | 785 | 55 | 566 | 582 | 603 | 60 | 422 | 424 | 454 | 65 | 312 | 293 | 329 | 70 | 242 | 191 | 233 | 75 | 187 | 133 | 168 | 80 | 136 | 98 | 115 | 85 | 72 | 59 | 64 | <table border="1"> <thead> <tr> <th>Degrees</th> <th>Lumens</th> <th>% Luminaire</th> </tr> </thead> <tbody> <tr><td>0-30</td><td>1267</td><td>33.4</td></tr> <tr><td>0-40</td><td>2026</td><td>53.4</td></tr> <tr><td>0-60</td><td>3247</td><td>85.5</td></tr> <tr><td>0-90</td><td>3796</td><td>100.0</td></tr> </tbody> </table> | Degrees | Lumens | % Luminaire | 0-30 | 1267 | 33.4 | 0-40 | 2026 | 53.4 | 0-60 | 3247 | 85.5 | 0-90 | 3796 | 100.0 | <table border="1"> <thead> <tr> <th>Angle</th> <th>End</th> <th>45°</th> <th>Cross</th> </tr> </thead> <tbody> <tr><td>45</td><td>2997</td><td>2917</td><td>3203</td></tr> <tr><td>55</td><td>2253</td><td>2180</td><td>2400</td></tr> <tr><td>65</td><td>1567</td><td>1353</td><td>1652</td></tr> <tr><td>75</td><td>1326</td><td>833</td><td>1191</td></tr> <tr><td>85</td><td>915</td><td>603</td><td>814</td></tr> </tbody> </table> | Angle | End | 45° | Cross | 45 | 2997 | 2917 | 3203 | 55 | 2253 | 2180 | 2400 | 65 | 1567 | 1353 | 1652 | 75 | 1326 | 833 | 1191 | 85 | 915 | 603 |
| Angle | End | 45 | Cross | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 1664 | 1664 | 1664 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 1660 | 1653 | 1657 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 1632 | 1628 | 1636 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | 1584 | 1584 | 1596 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 1513 | 1519 | 1545 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | 1426 | 1437 | 1471 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | 1316 | 1330 | 1375 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35 | 1198 | 1208 | 1261 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | 1053 | 1061 | 1116 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 45 | 886 | 902 | 947 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50 | 718 | 745 | 785 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55 | 566 | 582 | 603 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60 | 422 | 424 | 454 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 65 | 312 | 293 | 329 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 70 | 242 | 191 | 233 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | 187 | 133 | 168 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | 136 | 98 | 115 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | 72 | 59 | 64 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Degrees | Lumens | % Luminaire | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0-30 | 1267 | 33.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0-40 | 2026 | 53.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0-60 | 3247 | 85.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0-90 | 3796 | 100.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Angle | End | 45° | Cross | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 45 | 2997 | 2917 | 3203 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55 | 2253 | 2180 | 2400 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 65 | 1567 | 1353 | 1652 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | 1326 | 833 | 1191 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | 915 | 603 | 814 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Coefficients of Utilization | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| pcc | 80 | | | 70 | | | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| pw | 70 | 50 | 30 | 70 | 50 | 30 | 50 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RCR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 118 | 118 | 118 | 115 | 115 | 115 | 111 | 111 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 110 | 105 | 102 | 107 | 103 | 100 | 98 | 95 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 101 | 93 | 86 | 97 | 91 | 85 | 88 | 82 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 93 | 82 | 75 | 90 | 81 | 73 | 79 | 72 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 84 | 73 | 66 | 82 | 72 | 65 | 70 | 64 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 79 | 67 | 58 | 77 | 66 | 57 | 64 | 56 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 72 | 60 | 52 | 70 | 59 | 52 | 57 | 51 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 68 | 55 | 46 | 66 | 55 | 46 | 53 | 46 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | 64 | 51 | 42 | 61 | 50 | 41 | 48 | 41 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | 59 | 46 | 39 | 57 | 46 | 39 | 45 | 38 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 56 | 42 | 35 | 55 | 42 | 34 | 41 | 34 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

2x2 DayLED LED Troffer, 3800 nominal lumens, diffuse lens

LER – 82

| Catalog No. 2LTG38L840-2-184 Test No. 29482 S/MH 1.2 Lamp Type 45WLED Lumens/Lamp 3697 Input Watts 45 Comparative yearly lighting energy cost per 1000 lumens – \$2.93 based on 3000 hrs. and \$.08 pwr KWH. The photometric results were obtained in the Philips Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology. Photometric values based on test performed in compliance with LM-79. | Candlepower | | | | Light Distribution | | | Average Luminance | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|-------------|-------|-----|---------------------------|-----|------|--------------------------|------|---|------|------|------|----|------|------|------|----|------|------|------|----|------|------|------|----|------|------|------|----|------|------|------|----|------|------|------|----|-----|-----|------|----|-----|-----|-----|----|-----|-----|-----|----|-----|-----|-----|----|-----|-----|-----|----|-----|-----|-----|----|-----|-----|-----|----|-----|-----|-----|----|-----|-----|-----|----|----|----|----|---|---------|--------|-------------|------|------|------|------|------|------|------|------|------|------|------|-------|---|-------|-----|-----|-------|----|------|------|------|----|------|------|------|----|------|------|------|----|------|------|------|----|-----|-----|
| | <table border="1"> <thead> <tr> <th>Angle</th> <th>End</th> <th>45</th> <th>Cross</th> </tr> </thead> <tbody> <tr><td>0</td><td>1618</td><td>1618</td><td>1618</td></tr> <tr><td>5</td><td>1610</td><td>1605</td><td>1609</td></tr> <tr><td>10</td><td>1579</td><td>1576</td><td>1583</td></tr> <tr><td>15</td><td>1525</td><td>1525</td><td>1537</td></tr> <tr><td>20</td><td>1452</td><td>1455</td><td>1471</td></tr> <tr><td>25</td><td>1354</td><td>1368</td><td>1390</td></tr> <tr><td>30</td><td>1242</td><td>1256</td><td>1280</td></tr> <tr><td>35</td><td>1117</td><td>1126</td><td>1157</td></tr> <tr><td>40</td><td>975</td><td>993</td><td>1025</td></tr> <tr><td>45</td><td>831</td><td>843</td><td>873</td></tr> <tr><td>50</td><td>689</td><td>695</td><td>722</td></tr> <tr><td>55</td><td>556</td><td>560</td><td>581</td></tr> <tr><td>60</td><td>444</td><td>436</td><td>458</td></tr> <tr><td>65</td><td>347</td><td>333</td><td>351</td></tr> <tr><td>70</td><td>265</td><td>252</td><td>263</td></tr> <tr><td>75</td><td>200</td><td>182</td><td>191</td></tr> <tr><td>80</td><td>137</td><td>119</td><td>129</td></tr> <tr><td>85</td><td>72</td><td>64</td><td>64</td></tr> </tbody> </table> | Angle | End | 45 | Cross | 0 | 1618 | 1618 | 1618 | 5 | 1610 | 1605 | 1609 | 10 | 1579 | 1576 | 1583 | 15 | 1525 | 1525 | 1537 | 20 | 1452 | 1455 | 1471 | 25 | 1354 | 1368 | 1390 | 30 | 1242 | 1256 | 1280 | 35 | 1117 | 1126 | 1157 | 40 | 975 | 993 | 1025 | 45 | 831 | 843 | 873 | 50 | 689 | 695 | 722 | 55 | 556 | 560 | 581 | 60 | 444 | 436 | 458 | 65 | 347 | 333 | 351 | 70 | 265 | 252 | 263 | 75 | 200 | 182 | 191 | 80 | 137 | 119 | 129 | 85 | 72 | 64 | 64 | <table border="1"> <thead> <tr> <th>Degrees</th> <th>Lumens</th> <th>% Luminaire</th> </tr> </thead> <tbody> <tr><td>0-30</td><td>1212</td><td>32.8</td></tr> <tr><td>0-40</td><td>1919</td><td>51.9</td></tr> <tr><td>0-60</td><td>3080</td><td>83.3</td></tr> <tr><td>0-90</td><td>3697</td><td>100.0</td></tr> </tbody> </table> | Degrees | Lumens | % Luminaire | 0-30 | 1212 | 32.8 | 0-40 | 1919 | 51.9 | 0-60 | 3080 | 83.3 | 0-90 | 3697 | 100.0 | <table border="1"> <thead> <tr> <th>Angle</th> <th>End</th> <th>45°</th> <th>Cross</th> </tr> </thead> <tbody> <tr><td>45</td><td>2811</td><td>2726</td><td>2953</td></tr> <tr><td>55</td><td>2213</td><td>2098</td><td>2313</td></tr> <tr><td>65</td><td>1742</td><td>1537</td><td>1762</td></tr> <tr><td>75</td><td>1418</td><td>1140</td><td>1354</td></tr> <tr><td>85</td><td>915</td><td>654</td><td>814</td></tr> </tbody> </table> | Angle | End | 45° | Cross | 45 | 2811 | 2726 | 2953 | 55 | 2213 | 2098 | 2313 | 65 | 1742 | 1537 | 1762 | 75 | 1418 | 1140 | 1354 | 85 | 915 | 654 |
| Angle | End | 45 | Cross | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 1618 | 1618 | 1618 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 1610 | 1605 | 1609 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 1579 | 1576 | 1583 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | 1525 | 1525 | 1537 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 1452 | 1455 | 1471 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | 1354 | 1368 | 1390 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | 1242 | 1256 | 1280 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35 | 1117 | 1126 | 1157 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | 975 | 993 | 1025 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 45 | 831 | 843 | 873 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50 | 689 | 695 | 722 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55 | 556 | 560 | 581 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60 | 444 | 436 | 458 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 65 | 347 | 333 | 351 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 70 | 265 | 252 | 263 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | 200 | 182 | 191 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | 137 | 119 | 129 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | 72 | 64 | 64 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Degrees | Lumens | % Luminaire | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0-30 | 1212 | 32.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0-40 | 1919 | 51.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0-60 | 3080 | 83.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0-90 | 3697 | 100.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Angle | End | 45° | Cross | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 45 | 2811 | 2726 | 2953 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55 | 2213 | 2098 | 2313 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 65 | 1742 | 1537 | 1762 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | 1418 | 1140 | 1354 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | 915 | 654 | 814 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Coefficients of Utilization | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| pcc | 80 | | | 70 | | | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| pw | 70 | 50 | 30 | 70 | 50 | 30 | 50 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RCR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 118 | 118 | 118 | 115 | 115 | 115 | 111 | 111 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 109 | 105 | 101 | 107 | 103 | 98 | 97 | 94 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 100 | 92 | 85 | 97 | 91 | 84 | 86 | 81 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 92 | 81 | 73 | 90 | 81 | 72 | 78 | 70 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 84 | 72 | 65 | 82 | 71 | 64 | 69 | 63 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 78 | 66 | 57 | 76 | 65 | 56 | 63 | 56 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 72 | 59 | 51 | 70 | 58 | 51 | 56 | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 68 | 55 | 46 | 66 | 54 | 46 | 52 | 45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | 63 | 50 | 41 | 61 | 48 | 41 | 47 | 40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | 58 | 46 | 38 | 57 | 46 | 38 | 44 | 36 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 55 | 42 | 34 | 54 | 41 | 34 | 40 | 34 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



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 p. 905.294.9570 • f. 905.294.9811

Contact Factory for Additional Configurations.
 Specifications are subject to change without notice.
 Consult website for latest version of this spec sheet.



Some luminaires use fluorescent or high intensity discharge (HID) lamps that contain small amounts of mercury. Such lamps are labeled, "Contain Mercury" and/or the symbol "HG". Lamps that contain mercury must be disposed of in accordance with local requirements. Information regarding lamp recycling and disposal can be found at www.lamprecycle.org