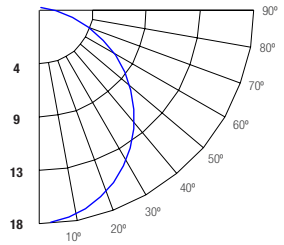
## ST7BX-LED-WW-120V-ST701-WH

TEST NO.: **EL011971**

INPUT WATTS: **3.2** LUMENS: **39** CRI: **N/A** EFFICACY: **12** CCT: **N/A** SPACING CRITERIA: **1.38**

**Candle Power Distribution (Candelas)**




**Zonal Lumens Summary**

| Zone | Lumens | %Lamp | %Fixt |
|---|---|---|---|
| 0-20 | 4.68 | 11.9 | 11.9 |
| 0-30 | 9.94 | 25.3 | 25.2 |
| 0-40 | 16.29 | 41.5 | 41.4 |
| 0-60 | 29.29 | 74.5 | 74.4 |
| 0-80 | 37.24 | 94.8 | 94.5 |
| 0-90 | 38.63 | 98.3 | 98.1 |

**Luminance (Average candela/M²)**

| Angle in Degrees | Average 0° | Average 45° | Average 90° |
|---|---|---|---|
| 45 | 253 | 359 | 1639 |
| 55 | 213 | 255 | 1596 |
| 65 | 175 | 213 | 1501 |
| 75 | 135 | 166 | 1272 |
| 85 | 93 | 123 | 771 |

**Lumens Per Zone**

| Zone | Lumens |
|---|---|
| 0-10 | 1.21 |
| 10-20 | 3.47 |
| 20-30 | 5.25 |
| 30-40 | 6.35 |
| 40-50 | 6.73 |
| 50-60 | 6.27 |
| 60-70 | 4.87 |
| 70-80 | 3.08 |
| 80-90 | 1.39 |

**Candela Tabulation**

| | 0 |
|---|---|
| 0 | 12.824 |
| 5 | 11.64 |
| 15 | 8.89 |
| 25 | 5.72 |
| 35 | 2.4 |
| 45 | 1.33 |
| 55 | 0.91 |
| 65 | 0.55 |
| 75 | 0.26 |
| 85 | 0.06 |
| 90 | 0.03 |

**Coefficients of Utilization - Zonal Cavity Method**
Effective Floor Cavity Reflectance 0.20

| RC | 80% | | | | 70% | | | | 50% | | | 30% | | | 10% | | | 0% |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RW | 70% | 50% | 30% | 10% | 70% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0% |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 110 | 110 | 110 | 105 | 105 | 105 | 101 | 101 | 101 | 98 |
| 1 | 108 | 102 | 98 | 94 | 105 | 100 | 96 | 92 | 95 | 92 | 89 | 91 | 88 | 86 | 87 | 85 | 83 | 80 |
| 2 | 98 | 89 | 82 | 76 | 95 | 87 | 80 | 74 | 83 | 77 | 72 | 79 | 75 | 70 | 76 | 72 | 69 | 66 |
| 3 | 89 | 78 | 69 | 62 | 86 | 76 | 68 | 62 | 73 | 66 | 60 | 70 | 64 | 59 | 67 | 62 | 58 | 55 |
| 4 | 81 | 69 | 60 | 53 | 79 | 67 | 59 | 52 | 64 | 57 | 51 | 62 | 55 | 50 | 59 | 54 | 49 | 47 |
| 5 | 74 | 61 | 52 | 45 | 72 | 60 | 51 | 45 | 58 | 50 | 44 | 55 | 49 | 43 | 53 | 47 | 43 | 40 |
| 6 | 69 | 55 | 46 | 39 | 67 | 54 | 45 | 39 | 52 | 44 | 38 | 50 | 43 | 38 | 48 | 42 | 37 | 35 |
| 7 | 64 | 50 | 41 | 35 | 62 | 49 | 40 | 34 | 47 | 39 | 34 | 45 | 39 | 34 | 44 | 38 | 33 | 31 |
| 8 | 59 | 45 | 37 | 31 | 57 | 45 | 36 | 31 | 43 | 36 | 30 | 42 | 35 | 30 | 40 | 34 | 30 | 28 |
| 9 | 55 | 42 | 33 | 28 | 54 | 41 | 33 | 27 | 40 | 32 | 27 | 38 | 32 | 27 | 37 | 31 | 27 | 25 |
| 10 | 52 | 38 | 30 | 25 | 50 | 38 | 30 | 25 | 37 | 30 | 25 | 36 | 29 | 24 | 35 | 29 | 24 | 22 |

ROOM CAVITY RATIO

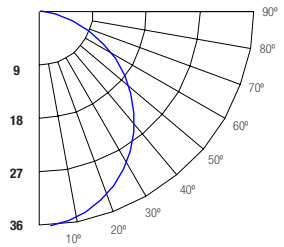
***RC** - Ceiling Cavity Reflectance* ***RW** - Wall Reflectance*

## ST7BX-LED-WW-120V-ST702-WH

TEST NO.: **EL01122124**

INPUT WATTS: **3.3** LUMENS: **102** CRI: **N/A** EFFICACY: **31** CCT: **N/A** SPACING CRITERIA: **1.36**

**Candle Power Distribution (Candelas)**




**Zonal Lumens Summary**

| Zone | Lumens | %Lamp | %Fixt |
|---|---|---|---|
| 0-20 | 13.07 | 12.9 | 12.8 |
| 0-30 | 27.65 | 27.2 | 27.2 |
| 0-40 | 45.1 | 44.4 | 44.3 |
| 0-60 | 79.31 | 78.1 | 78 |
| 0-80 | 98.7 | 97.1 | 97 |
| 0-90 | 100.61 | 99 | 98.9 |

**Luminance (Average candela/M²)**

| Angle in Degrees | Average 0° | Average 45° | Average 90° |
|---|---|---|---|
| 45 | 4306 | 4401 | 4542 |
| 55 | 4111 | 4216 | 4399 |
| 65 | 3801 | 3925 | 4157 |
| 75 | 3184 | 3350 | 3630 |
| 85 | 2113 | 2252 | 2313 |

**Lumens Per Zone**

| Zone | Lumens |
|---|---|
| 0-10 | 3.39 |
| 10-20 | 9.68 |
| 20-30 | 14.59 |
| 30-40 | 17.44 |
| 40-50 | 17.98 |
| 50-60 | 16.23 |
| 60-70 | 12.38 |
| 70-80 | 7.01 |
| 80-90 | 1.9 |

**Candela Tabulation**

| | 0 |
|---|---|
| 0 | 35.774 |
| 5 | 35.68 |
| 15 | 34.17 |
| 25 | 31.28 |
| 35 | 27.23 |
| 45 | 22.65 |
| 55 | 17.54 |
| 65 | 11.95 |
| 75 | 6.13 |
| 85 | 1.37 |
| 90 | 0.05 |

**Coefficients of Utilization - Zonal Cavity Method**
Effective Floor Cavity Reflectance 0.20

| RC | 80% | | | | 70% | | | | 50% | | | 30% | | | 10% | | | 0% |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RW | 70% | 50% | 30% | 10% | 70% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0% |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 101 | 101 | 101 | 99 |
| 1 | 109 | 104 | 99 | 96 | 106 | 101 | 97 | 94 | 97 | 94 | 91 | 93 | 90 | 88 | 89 | 87 | 85 | 83 |
| 2 | 99 | 90 | 84 | 78 | 96 | 88 | 82 | 77 | 85 | 79 | 75 | 81 | 77 | 73 | 78 | 74 | 71 | 69 |
| 3 | 90 | 79 | 71 | 65 | 87 | 78 | 70 | 64 | 75 | 68 | 63 | 72 | 66 | 61 | 69 | 64 | 60 | 58 |
| 4 | 82 | 70 | 61 | 55 | 80 | 69 | 61 | 54 | 66 | 59 | 53 | 64 | 58 | 53 | 61 | 56 | 52 | 49 |
| 5 | 76 | 63 | 54 | 47 | 73 | 62 | 53 | 47 | 59 | 52 | 46 | 57 | 51 | 46 | 55 | 50 | 45 | 43 |
| 6 | 70 | 56 | 47 | 41 | 68 | 55 | 47 | 41 | 54 | 46 | 40 | 52 | 45 | 40 | 50 | 44 | 39 | 37 |
| 7 | 65 | 51 | 42 | 36 | 63 | 50 | 42 | 36 | 49 | 41 | 36 | 47 | 40 | 35 | 46 | 40 | 35 | 33 |
| 8 | 60 | 47 | 38 | 32 | 59 | 46 | 38 | 32 | 45 | 37 | 32 | 43 | 37 | 32 | 42 | 36 | 31 | 29 |
| 9 | 56 | 43 | 35 | 29 | 55 | 42 | 34 | 29 | 41 | 34 | 29 | 40 | 33 | 29 | 39 | 33 | 28 | 26 |
| 10 | 53 | 40 | 32 | 26 | 51 | 39 | 31 | 26 | 38 | 31 | 26 | 37 | 30 | 26 | 36 | 30 | 26 | 24 |

ROOM CAVITY RATIO

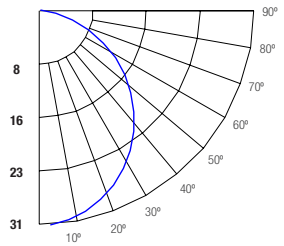
***RC** - Ceiling Cavity Reflectance* ***RW** - Wall Reflectance*

## ST7BX-LED-WW-120V-ST703-WH

TEST NO.: **EL01122126**

INPUT WATTS: **3.2** LUMENS: **74** CRI: **N/A** EFFICACY: **23** CCT: **N/A** SPACING CRITERIA: **1.38**

**Candle Power Distribution (Candelas)**




**Zonal Lumens Summary**

| Zone | Lumens | %Lamp | %Fixt |
|---|---|---|---|
| 0-20 | 7.37 | 9.9 | 9.9 |
| 0-30 | 15.64 | 21.1 | 21 |
| 0-40 | 25.59 | 34.5 | 34.4 |
| 0-60 | 46.31 | 62.4 | 62.3 |
| 0-80 | 62.36 | 84 | 83.9 |
| 0-90 | 67.38 | 90.8 | 90.7 |

**Luminance (Average candela/M²)**

| Angle in Degrees | Average 0° | Average 45° | Average 90° |
|---|---|---|---|
| 45 | 51 | 148 | 2359 |
| 55 | 16 | 56 | 2198 |
| 65 | 22 | 25 | 1950 |
| 75 | 47 | 36 | 1522 |
| 85 | 170 | 123 | 756 |

**Lumens Per Zone**

| Zone | Lumens |
|---|---|
| 0-10 | 1.91 |
| 10-20 | 5.46 |
| 20-30 | 8.27 |
| 30-40 | 9.95 |
| 40-50 | 10.52 |
| 50-60 | 10.21 |
| 60-70 | 8.97 |
| 70-80 | 7.08 |
| 80-90 | 5.02 |

**Candela Tabulation**

| | 0 |
|---|---|
| 0 | 20.155 |
| 5 | 17.01 |
| 15 | 11.25 |
| 25 | 5.67 |
| 35 | 1.01 |
| 45 | 0.27 |
| 55 | 0.07 |
| 65 | 0.07 |
| 75 | 0.09 |
| 85 | 0.11 |
| 90 | 0.13 |

**Coefficients of Utilization - Zonal Cavity Method**
Effective Floor Cavity Reflectance 0.20

| RC | 80% | | | | 70% | | | | 50% | | | 30% | | | 10% | | | 0% |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RW | 70% | 50% | 30% | 10% | 70% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0% |
| 0 | 117 | 117 | 117 | 117 | 113 | 113 | 113 | 113 | 106 | 106 | 106 | 100 | 100 | 100 | 94 | 94 | 94 | 91 |
| 1 | 104 | 98 | 93 | 88 | 100 | 95 | 90 | 86 | 89 | 85 | 82 | 83 | 80 | 77 | 78 | 76 | 73 | 71 |
| 2 | 94 | 84 | 77 | 70 | 90 | 82 | 75 | 69 | 77 | 71 | 65 | 72 | 67 | 63 | 67 | 63 | 60 | 57 |
| 3 | 85 | 73 | 64 | 57 | 82 | 71 | 63 | 56 | 67 | 60 | 54 | 63 | 57 | 52 | 59 | 54 | 50 | 47 |
| 4 | 78 | 65 | 55 | 48 | 74 | 63 | 54 | 47 | 59 | 51 | 45 | 55 | 49 | 44 | 52 | 47 | 42 | 40 |
| 5 | 71 | 58 | 48 | 41 | 68 | 56 | 47 | 40 | 53 | 45 | 39 | 50 | 43 | 38 | 47 | 41 | 36 | 34 |
| 6 | 66 | 52 | 42 | 36 | 63 | 50 | 41 | 35 | 47 | 40 | 34 | 45 | 38 | 33 | 42 | 36 | 32 | 30 |
| 7 | 61 | 47 | 38 | 31 | 58 | 45 | 37 | 31 | 43 | 35 | 30 | 41 | 34 | 29 | 39 | 33 | 28 | 26 |
| 8 | 56 | 43 | 34 | 28 | 54 | 41 | 33 | 27 | 39 | 32 | 27 | 37 | 31 | 26 | 35 | 30 | 25 | 23 |
| 9 | 53 | 39 | 31 | 25 | 51 | 38 | 30 | 25 | 36 | 29 | 24 | 34 | 28 | 23 | 33 | 27 | 23 | 21 |
| 10 | 49 | 36 | 28 | 22 | 48 | 35 | 27 | 22 | 33 | 26 | 22 | 32 | 26 | 21 | 30 | 25 | 21 | 19 |

ROOM CAVITY RATIO

***RC** - Ceiling Cavity Reflectance* ***RW** - Wall Reflectance*

Due to the changes of constant improvement in lighting technology, all details are subject to change without notice.
Consult factory for up to date information.