



Project: _____
 Location: _____
 Cat.No: _____
 Type: _____
 Lamps: _____ Qty: _____
 Notes: _____

The Hadco Baltimore LED post top consists of a traditional stately form that has created an industry standard. It offers the style of traditional lanterns with today's cutting edge LEDgene technology. For historic areas and new street-scapes Baltimore is available in sizes that are in proportion to most applications including residential streets, city streets, campuses and parking lots.

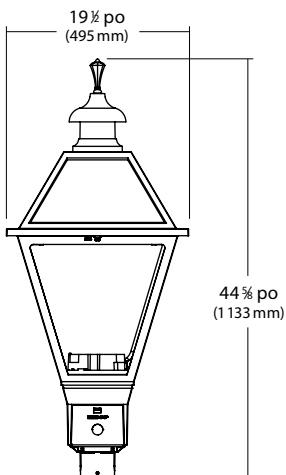
Ordering guide

Example: VX681-48-G3-A-C-2-N-N-730-A-3-N-SP1

| Series | LED count | Gen | Finish | Panels | Distribution | Photocontrol Receptacle |
|---|--|---|---|--|---|---|
| VX681 | | G3 | | | | |
| VX681 | 32 32 LEDs ^{1,2} 48 48 LEDs ¹ 64 64 LEDs 80 80 LEDs | G3 Gen 3 | A Black B White G Verde H Bronze J Green | C Clear F Frosted V Vertical Ribbed | 2 Type 2 2H Type 2 w/ HSS 3 Type 3 3H Type 3 w/ HSS 3W Type 3 Wide 3WH Type 3 Wide w/ HSS 4 Type 4 5 Type 5 | N None E 120 VAC button eye H 208/240/277 VAC button eye R 3-Pin Twist Lock Receptacle |
| Future-Proof Receptacle | Color Temp | Voltage | Drive Current | Driver Options | Surge Protection | |
| R7 7-pin receptacle in cage N None | 730 Warm 3000K 740 Neutral 4000K | A 120-277 B 347-480 ² | 3 350mA ² 5 530mA 7 700mA ¹ | Dynadimmer DA ¹ 4 Hrs, 25% reduction DB ¹ 4 Hrs, 50% reduction DC ¹ 4 Hrs, 75% reduction DD ³ 6 Hrs, 25% reduction DE ³ 6 Hrs, 50% reduction DF ³ 6 Hrs, 75% reduction DG ³ 8 Hrs, 25% reduction DH ³ 8 Hrs, 50% reduction DJ ³ 8 Hrs, 75% reduction | N None DL ¹ DALI S FAWS Field Adjustable Wattage Selector SRD ³ Sensor ready driver (standard configuration) SRD1 ³ Sensor ready driver (alternate configuration) | SP1 10kV/10kA Surge Protector SP2 20kV/20kA Surge Protector |

1. The 700mA (7) current is only compatible for 32 LEDs (32) and 48 LEDs (48) configurations.
 2. Configurations with 347-480V (B) voltage are not compatible with 32 LEDs (32) at 350mA (3).
 3. Only available with 120-277V (A) voltage.

Dimensions



VX681
 Height: 44 5/8" (113cm)
 Width: 19 1/4" (49cm)
 Max. EPA: 2.2 sq. ft.
 Max. Weight 37.5 lbs.s



VX681 Baltimore

Post top

LED Wattage and Lumen Values for 3000K fixtures

| Ordering Code: (3000K) | Total LEDs | System current (mA) | Average System Watts ¹ (W) | Type 2 | | | Type 3 | | | Type 3W | | | Type 4 | | | Type 5 | | |
|------------------------------------|------------|---------------------|---------------------------------------|---------------------------|------------|----------------|---------------------------|------------|----------------|---------------------------|------------|----------------|---------------------------|------------|----------------|---------------------------|------------|----------------|
| | | | | Lumen Output ² | BUG Rating | Efficacy (LPW) | Lumen Output ² | BUG Rating | Efficacy (LPW) | Lumen Output ² | BUG Rating | Efficacy (LPW) | Lumen Output ² | BUG Rating | Efficacy (LPW) | Lumen Output ² | BUG Rating | Efficacy (LPW) |
| Clear Panel VX681 3000K | | | | | | | | | | | | | | | | | | |
| 32-G3-C-x-730-3 | 32 | 350 | 37 | 3109 | B1-U2-G1 | 84 | 3146 | B1-U2-G1 | 85 | 3120 | B1-U2-G1 | 84 | 3052 | B1-U2-G1 | 82 | 3132 | B2-U3-G1 | 85 |
| 32-G3-C-x-730-5 | 32 | 530 | 54 | 5216 | B1-U2-G1 | 97 | 5279 | B1-U3-G1 | 98 | 5234 | B1-U3-G1 | 97 | 5121 | B1-U3-G1 | 95 | 5256 | B3-U3-G1 | 97 |
| 32-G3-C-x-730-7 | 32 | 700 | 72 | 6636 | B1-U3-G1 | 92 | 6717 | B1-U3-G1 | 93 | 6660 | B1-U3-G2 | 92 | 6516 | B1-U3-G1 | 90 | 6687 | B3-U3-G1 | 92 |
| 32-G3-C-x-730-9 | 32 | 900 | 93 | 8020 | B1-U3-G1 | 86 | 8117 | B1-U3-G1 | 87 | 8048 | B1-U3-G2 | 86 | 7874 | B1-U3-G1 | 85 | 8081 | B3-U3-G1 | 87 |
| 48-G3-C-x-730-3 | 48 | 350 | 51 | 5454 | B1-U2-G1 | 107 | 5520 | B1-U3-G1 | 108 | 5473 | B1-U3-G1 | 107 | 5355 | B1-U3-G1 | 105 | 5495 | B3-U3-G1 | 108 |
| 48-G3-C-x-730-5 | 48 | 530 | 79 | 7823 | B1-U3-G1 | 99 | 7918 | B1-U3-G1 | 100 | 7851 | B2-U3-G2 | 100 | 7681 | B1-U3-G2 | 97 | 7883 | B3-U3-G1 | 100 |
| 48-G3-C-x-730-7 | 48 | 700 | 105 | 9666 | B2-U3-G2 | 92 | 9783 | B2-U3-G2 | 93 | 9700 | B2-U3-G2 | 92 | 9490 | B1-U3-G2 | 90 | 9740 | B3-U3-G2 | 93 |
| 48-G3-C-x-730-9 | 48 | 900 | 136 | 11669 | B2-U3-G2 | 86 | 11811 | B2-U3-G2 | 87 | 11711 | B2-U3-G2 | 86 | 11457 | B1-U3-G2 | 84 | 11759 | B3-U3-G2 | 87 |
| 64-G3-C-x-730-3 | 64 | 350 | 68 | 6980 | B1-U3-G1 | 103 | 7065 | B1-U3-G1 | 104 | 7005 | B1-U3-G2 | 103 | 6853 | B1-U3-G2 | 101 | 7033 | B3-U3-G1 | 104 |
| 64-G3-C-x-730-5 | 64 | 530 | 105 | 10253 | B2-U3-G2 | 97 | 10378 | B2-U3-G2 | 98 | 10290 | B2-U3-G2 | 98 | 10067 | B1-U3-G2 | 96 | 10332 | B3-U3-G2 | 98 |
| 64-G3-C-x-730-7 | 64 | 700 | 136 | 12451 | B2-U3-G2 | 91 | 12602 | B2-U3-G2 | 92 | 12495 | B2-U3-G2 | 92 | 12225 | B1-U3-G2 | 90 | 12546 | B3-U3-G2 | 92 |
| 64-G3-C-x-730-9 | 64 | 900 | 179 | 15177 | B2-U3-G2 | 85 | 15361 | B2-U3-G2 | 86 | 15231 | B2-U3-G2 | 85 | 14901 | B1-U3-G2 | 83 | 15293 | B3-U3-G2 | 85 |
| 80-G3-C-x-730-3 | 80 | 350 | 85 | 8724 | B2-U3-G2 | 103 | 8830 | B1-U3-G2 | 104 | 8756 | B2-U3-G2 | 103 | 8566 | B1-U3-G2 | 101 | 8791 | B3-U3-G2 | 104 |
| 80-G3-C-x-730-5 | 80 | 530 | 128 | 12273 | B2-U3-G2 | 96 | 12422 | B2-U3-G2 | 97 | 12317 | B2-U3-G2 | 97 | 12050 | B2-U3-G2 | 94 | 12367 | B4-U3-G2 | 97 |
| 80-G3-C-x-730-7 | 80 | 700 | 171 | 15408 | B2-U3-G2 | 90 | 15595 | B2-U3-G2 | 91 | 15463 | B2-U3-G2 | 90 | 15128 | B2-U3-G2 | 89 | 15526 | B4-U3-G2 | 91 |
| Frosted Panel VX681 3000K | | | | | | | | | | | | | | | | | | |
| 32-G3-F-x-730-3 | 32 | 350 | 37 | 2848 | B1-U3-G2 | 77 | 2857 | B1-U3-G2 | 77 | 2857 | B1-U3-G2 | 77 | 2817 | B1-U3-G2 | 76 | 2826 | B1-U3-G2 | 76 |
| 32-G3-F-x-730-5 | 32 | 530 | 54 | 4778 | B1-U3-G2 | 88 | 4793 | B1-U3-G2 | 89 | 4793 | B1-U3-G3 | 89 | 4726 | B1-U3-G3 | 88 | 4741 | B2-U3-G2 | 88 |
| 32-G3-F-x-730-7 | 32 | 700 | 72 | 6079 | B1-U3-G3 | 84 | 6098 | B1-U3-G3 | 84 | 6098 | B1-U3-G3 | 84 | 6013 | B1-U3-G3 | 83 | 6032 | B2-U3-G3 | 83 |
| 32-G3-F-x-730-9 | 32 | 900 | 93 | 7347 | B1-U3-G1 | 79 | 7370 | B1-U3-G1 | 79 | 7370 | B1-U3-G2 | 79 | 7267 | B1-U3-G1 | 78 | 7290 | B3-U3-G1 | 78 |
| 48-G3-F-x-730-3 | 48 | 350 | 51 | 4996 | B1-U3-G2 | 98 | 5012 | B1-U3-G3 | 98 | 5012 | B1-U3-G3 | 98 | 4942 | B1-U3-G3 | 97 | 4958 | B2-U3-G2 | 97 |
| 48-G3-F-x-730-5 | 48 | 530 | 79 | 7166 | B2-U3-G3 | 91 | 7189 | B2-U3-G3 | 91 | 7189 | B2-U3-G3 | 91 | 7088 | B1-U3-G3 | 90 | 7111 | B3-U3-G3 | 90 |
| 48-G3-F-x-730-7 | 48 | 700 | 105 | 8855 | B2-U3-G3 | 84 | 8883 | B2-U3-G3 | 84 | 8883 | B2-U3-G3 | 84 | 8758 | B2-U3-G3 | 83 | 8786 | B3-U3-G3 | 84 |
| 48-G3-F-x-730-9 | 48 | 900 | 136 | 10689 | B2-U3-G2 | 79 | 10723 | B2-U3-G2 | 79 | 10723 | B2-U3-G2 | 79 | 10573 | B1-U3-G2 | 78 | 10607 | B3-U3-G2 | 78 |
| 64-G3-F-x-730-3 | 64 | 350 | 68 | 6394 | B1-U3-G3 | 94 | 6414 | B1-U3-G3 | 94 | 6414 | B1-U3-G3 | 94 | 6324 | B1-U3-G3 | 93 | 6345 | B2-U3-G3 | 93 |
| 64-G3-F-x-730-5 | 64 | 530 | 105 | 9392 | B2-U3-G3 | 89 | 9422 | B2-U3-G3 | 89 | 9422 | B2-U3-G4 | 89 | 9290 | B2-U3-G4 | 88 | 9320 | B3-U3-G3 | 88 |
| 64-G3-F-x-730-7 | 64 | 700 | 136 | 11406 | B2-U3-G2 | 84 | 11442 | B2-U3-G2 | 84 | 11442 | B2-U3-G2 | 84 | 11282 | B1-U3-G2 | 83 | 11318 | B3-U3-G2 | 83 |
| 64-G3-F-x-730-9 | 64 | 900 | 179 | 13903 | B2-U3-G2 | 78 | 13947 | B2-U3-G2 | 78 | 13947 | B2-U3-G2 | 78 | 13752 | B1-U3-G2 | 77 | 13795 | B3-U3-G2 | 77 |
| 80-G3-F-x-730-3 | 80 | 350 | 85 | 7992 | B2-U3-G3 | 94 | 8017 | B2-U3-G3 | 94 | 8017 | B2-U3-G3 | 94 | 7905 | B2-U3-G3 | 93 | 7930 | B3-U4-G3 | 93 |
| 80-G3-F-x-730-5 | 80 | 530 | 128 | 11243 | B2-U4-G3 | 88 | 11278 | B2-U4-G4 | 88 | 11278 | B2-U4-G4 | 88 | 11120 | B2-U4-G4 | 87 | 11156 | B3-U4-G4 | 87 |
| 80-G3-F-x-730-7 | 80 | 700 | 171 | 14115 | B2-U3-G2 | 83 | 14159 | B2-U3-G2 | 83 | 14159 | B2-U3-G2 | 83 | 13961 | B2-U3-G2 | 82 | 14005 | B3-U4-G5 | 82 |
| Vertical Ribbed VX681 3000K | | | | | | | | | | | | | | | | | | |
| 32-G3-V-x-730-3 | 32 | 350 | 37 | 2604 | B1-U2-G1 | 70 | 2604 | B1-U2-G1 | 70 | 2665 | B1-U2-G1 | 72 | 2556 | B1-U2-G1 | 69 | 2632 | B2-U3-G1 | 71 |
| 32-G3-V-x-730-5 | 32 | 530 | 53 | 4369 | B1-U2-G1 | 83 | 4369 | B1-U3-G1 | 83 | 4472 | B1-U3-G1 | 85 | 4288 | B1-U3-G1 | 81 | 4416 | B3-U3-G1 | 83 |
| 32-G3-V-x-730-7 | 32 | 700 | 71 | 5559 | B1-U3-G1 | 78 | 5559 | B1-U3-G1 | 78 | 5689 | B1-U3-G2 | 80 | 5455 | B1-U3-G1 | 77 | 5618 | B3-U3-G1 | 79 |
| 32-G3-V-x-730-9 | 32 | 900 | 93 | 6718 | B1-U3-G1 | 72 | 6718 | B1-U3-G1 | 72 | 6876 | B1-U3-G2 | 74 | 6593 | B1-U3-G1 | 71 | 6790 | B3-U3-G1 | 73 |
| 48-G3-V-x-730-3 | 48 | 350 | 51 | 4569 | B1-U2-G1 | 90 | 4569 | B1-U3-G1 | 90 | 4676 | B1-U3-G1 | 92 | 4483 | B1-U3-G1 | 88 | 4617 | B3-U3-G1 | 91 |
| 48-G3-V-x-730-5 | 48 | 530 | 79 | 6553 | B1-U3-G1 | 83 | 6553 | B1-U3-G1 | 83 | 6707 | B2-U3-G2 | 85 | 6431 | B1-U3-G2 | 82 | 6623 | B3-U3-G1 | 84 |
| 48-G3-V-x-730-7 | 48 | 700 | 106 | 8097 | B2-U3-G2 | 77 | 8097 | B2-U3-G2 | 77 | 8287 | B2-U3-G2 | 78 | 7946 | B1-U3-G2 | 75 | 8183 | B3-U3-G2 | 77 |
| 48-G3-V-x-730-9 | 48 | 900 | 136 | 9775 | B2-U3-G2 | 72 | 9775 | B2-U3-G2 | 72 | 10004 | B2-U3-G2 | 74 | 9592 | B1-U3-G2 | 71 | 9879 | B3-U3-G2 | 73 |
| 64-G3-V-x-730-3 | 64 | 350 | 68 | 5847 | B1-U3-G1 | 86 | 5847 | B1-U3-G1 | 86 | 5984 | B1-U3-G2 | 88 | 5738 | B1-U3-G2 | 85 | 5909 | B3-U3-G1 | 87 |
| 64-G3-V-x-730-5 | 64 | 530 | 105 | 8589 | B2-U3-G2 | 82 | 8589 | B2-U3-G2 | 82 | 8790 | B2-U3-G2 | 84 | 8428 | B1-U3-G2 | 80 | 8680 | B3-U3-G2 | 83 |
| 64-G3-V-x-730-7 | 64 | 700 | 136 | 10430 | B2-U3-G2 | 77 | 10430 | B2-U3-G2 | 77 | 10675 | B2-U3-G2 | 78 | 10235 | B1-U3-G2 | 75 | 10541 | B3-U3-G2 | 77 |
| 64-G3-V-x-730-9 | 64 | 900 | 179 | 12714 | B2-U3-G2 | 71 | 12714 | B2-U3-G2 | 71 | 13012 | B2-U3-G2 | 73 | 12476 | B1-U3-G2 | 70 | 12848 | B3-U3-G2 | 72 |
| 80-G3-V-x-730-3 | 80 | 350 | 85 | 7308 | B2-U3-G2 | 86 | 7308 | B1-U3-G2 | 86 | 7479 | B2-U3-G2 | 88 | 7172 | B1-U3-G2 | 85 | 7386 | B3-U3-G2 | 87 |
| 80-G3-V-x-730-5 | 80 | 530 | 128 | 10281 | B2-U3-G2 | 80 | 10281 | B2-U3-G2 | 80 | 10522 | B2-U3-G2 | 82 | 10089 | B2-U3-G2 | 79 | 10390 | B4-U3-G2 | 81 |
| 80-G3-V-x-730-7 | 80 | 700 | 171 | 12907 | B2-U3-G2 | 76 | 12907 | B2-U3-G2 | 76 | 13210 | B2-U3-G2 | 77 | 12666 | B2-U3-G2 | 74 | 13044 | B4-U3-G2 | 76 |

Actual performance may vary due to installation variables including optics, mounting/ceiling height, dirt depreciation, light loss factor, etc.; highly recommended to confirm performance with a layout - contact Applications at outdoorlighting.applications@signify.com.

Note: Some data may be scaled based on tests of similar. But not identical luminaires.

VX681 Baltimore

Post top

LED Wattage and Lumen Values for 4000K fixtures

| Ordering Code: (4000K) | Total LEDs | System current (mA) | Average System Watts ¹ (W) | Type 2 | | | Type 3 | | | Type 3W | | | Type 4 | | | Type 5 | | |
|------------------------------------|------------|---------------------|---------------------------------------|---------------------------|------------|----------------|---------------------------|------------|----------------|---------------------------|------------|----------------|---------------------------|------------|----------------|---------------------------|------------|----------------|
| | | | | Lumen Output ² | BUG Rating | Efficacy (LPW) | Lumen Output ² | BUG Rating | Efficacy (LPW) | Lumen Output ² | BUG Rating | Efficacy (LPW) | Lumen Output ² | BUG Rating | Efficacy (LPW) | Lumen Output ² | BUG Rating | Efficacy (LPW) |
| Clear Panel VX681 4000K | | | | | | | | | | | | | | | | | | |
| 32-G3-C-x-740-3 | 32 | 350 | 37 | 3326 | B1-U2-G1 | 90 | 3367 | B1-U2-G1 | 91 | 3338 | B1-U2-G1 | 90 | 3266 | B1-U2-G1 | 88 | 3352 | B2-U3-G1 | 91 |
| 32-G3-C-x-740-5 | 32 | 530 | 54 | 5581 | B1-U2-G1 | 103 | 5649 | B1-U3-G1 | 105 | 5601 | B1-U3-G1 | 104 | 5479 | B1-U3-G1 | 101 | 5624 | B3-U3-G1 | 104 |
| 32-G3-C-x-740-7 | 32 | 700 | 72 | 7101 | B1-U3-G1 | 98 | 7187 | B1-U3-G1 | 99 | 7126 | B1-U3-G2 | 99 | 6972 | B1-U3-G1 | 96 | 7155 | B3-U3-G1 | 99 |
| 32-G3-C-x-740-9 | 32 | 900 | 93 | 8581 | B1-U3-G1 | 92 | 8685 | B1-U3-G1 | 93 | 8612 | B1-U3-G2 | 93 | 8425 | B1-U3-G1 | 90 | 8647 | B3-U3-G1 | 93 |
| 48-G3-C-x-740-3 | 48 | 350 | 51 | 5835 | B1-U2-G1 | 115 | 5906 | B1-U3-G1 | 116 | 5856 | B1-U3-G1 | 115 | 5729 | B1-U3-G1 | 113 | 5880 | B3-U3-G1 | 115 |
| 48-G3-C-x-740-5 | 48 | 530 | 79 | 7823 | B1-U3-G1 | 99 | 7918 | B1-U3-G1 | 100 | 7851 | B2-U3-G2 | 100 | 7681 | B1-U3-G2 | 97 | 7883 | B3-U3-G1 | 100 |
| 48-G3-C-x-740-7 | 48 | 700 | 105 | 10342 | B2-U3-G2 | 98 | 10468 | B2-U3-G2 | 100 | 10379 | B2-U3-G2 | 99 | 10154 | B1-U3-G2 | 97 | 10422 | B3-U3-G2 | 99 |
| 48-G3-C-x-740-9 | 48 | 900 | 136 | 12486 | B2-U3-G2 | 92 | 12638 | B2-U3-G2 | 93 | 12531 | B2-U3-G2 | 92 | 12259 | B1-U3-G2 | 90 | 12582 | B3-U3-G2 | 93 |
| 64-G3-C-x-740-3 | 64 | 350 | 68 | 7468 | B1-U3-G1 | 110 | 7559 | B1-U3-G1 | 111 | 7495 | B1-U3-G2 | 110 | 7333 | B1-U3-G2 | 108 | 7526 | B3-U3-G1 | 111 |
| 64-G3-C-x-740-5 | 64 | 530 | 105 | 10971 | B2-U3-G2 | 104 | 11104 | B2-U3-G2 | 105 | 11010 | B2-U3-G2 | 104 | 10772 | B1-U3-G2 | 102 | 11055 | B3-U3-G2 | 105 |
| 64-G3-C-x-740-7 | 64 | 700 | 136 | 13322 | B2-U3-G2 | 98 | 13484 | B2-U3-G2 | 99 | 13370 | B2-U3-G2 | 98 | 13081 | B1-U3-G2 | 96 | 13425 | B3-U3-G2 | 98 |
| 64-G3-C-x-740-9 | 64 | 900 | 179 | 16239 | B2-U3-G2 | 91 | 16436 | B2-U3-G2 | 92 | 16297 | B2-U3-G2 | 91 | 15944 | B1-U3-G2 | 89 | 16364 | B3-U3-G2 | 91 |
| 80-G3-C-x-740-3 | 80 | 350 | 85 | 9335 | B2-U3-G2 | 110 | 9448 | B1-U3-G2 | 111 | 9368 | B2-U3-G2 | 110 | 9166 | B1-U3-G2 | 108 | 9407 | B3-U3-G2 | 111 |
| 80-G3-C-x-740-5 | 80 | 530 | 128 | 13132 | B2-U3-G2 | 103 | 13292 | B2-U3-G2 | 104 | 13179 | B2-U3-G2 | 103 | 12894 | B2-U3-G2 | 101 | 13233 | B4-U3-G2 | 104 |
| 80-G3-C-x-740-7 | 80 | 700 | 171 | 16486 | B2-U3-G2 | 96 | 16687 | B2-U3-G2 | 98 | 16545 | B2-U3-G2 | 97 | 16187 | B2-U3-G2 | 95 | 16613 | B4-U3-G2 | 97 |
| Frosted Panel VX681 4000K | | | | | | | | | | | | | | | | | | |
| 32-G3-F-x-740-3 | 32 | 350 | 37 | 3047 | B1-U3-G2 | 82 | 3057 | B1-U3-G2 | 83 | 3057 | B1-U3-G2 | 83 | 3014 | B1-U3-G2 | 81 | 3024 | B1-U3-G2 | 82 |
| 32-G3-F-x-740-5 | 32 | 530 | 54 | 5113 | B1-U3-G2 | 95 | 5129 | B1-U3-G2 | 95 | 5129 | B1-U3-G3 | 95 | 5057 | B1-U3-G3 | 94 | 5073 | B2-U3-G2 | 94 |
| 32-G3-F-x-740-7 | 32 | 700 | 72 | 6504 | B1-U3-G3 | 90 | 6525 | B1-U3-G3 | 90 | 6525 | B1-U3-G3 | 90 | 6434 | B1-U3-G3 | 89 | 6454 | B2-U3-G3 | 89 |
| 32-G3-F-x-740-9 | 32 | 900 | 93 | 7861 | B1-U3-G1 | 84 | 7886 | B1-U3-G1 | 85 | 7886 | B1-U3-G2 | 85 | 7775 | B1-U3-G1 | 84 | 7800 | B3-U3-G1 | 84 |
| 48-G3-F-x-740-3 | 48 | 350 | 51 | 5346 | B1-U3-G2 | 105 | 5363 | B1-U3-G3 | 105 | 5363 | B1-U3-G3 | 105 | 5288 | B1-U3-G3 | 104 | 5305 | B2-U3-G2 | 104 |
| 48-G3-F-x-740-5 | 48 | 530 | 79 | 7668 | B2-U3-G3 | 97 | 7692 | B2-U3-G3 | 98 | 7692 | B2-U3-G3 | 98 | 7584 | B1-U3-G3 | 96 | 7609 | B3-U3-G3 | 96 |
| 48-G3-F-x-740-7 | 48 | 700 | 105 | 9474 | B2-U3-G3 | 90 | 9504 | B2-U3-G3 | 90 | 9504 | B2-U3-G3 | 90 | 9371 | B2-U3-G3 | 89 | 9401 | B3-U3-G3 | 89 |
| 48-G3-F-x-740-9 | 48 | 900 | 136 | 11438 | B2-U3-G2 | 84 | 11474 | B2-U3-G2 | 85 | 11474 | B2-U3-G2 | 85 | 11313 | B1-U3-G2 | 83 | 11349 | B3-U3-G2 | 84 |
| 64-G3-F-x-740-3 | 64 | 350 | 68 | 6842 | B1-U3-G3 | 101 | 6863 | B1-U3-G3 | 101 | 6863 | B1-U3-G3 | 101 | 6767 | B1-U3-G3 | 100 | 6789 | B2-U3-G3 | 100 |
| 64-G3-F-x-740-5 | 64 | 530 | 105 | 10050 | B2-U3-G3 | 95 | 10081 | B2-U3-G3 | 96 | 10081 | B2-U3-G4 | 96 | 9940 | B2-U3-G4 | 94 | 9972 | B3-U3-G3 | 95 |
| 64-G3-F-x-740-7 | 64 | 700 | 136 | 12204 | B2-U3-G2 | 90 | 12243 | B2-U3-G2 | 90 | 12243 | B2-U3-G2 | 90 | 12071 | B1-U3-G2 | 89 | 12110 | B3-U3-G2 | 89 |
| 64-G3-F-x-740-9 | 64 | 900 | 179 | 14876 | B2-U3-G2 | 83 | 14923 | B2-U3-G2 | 83 | 14923 | B2-U3-G2 | 83 | 14714 | B1-U3-G2 | 82 | 14761 | B3-U3-G2 | 82 |
| 80-G3-F-x-740-3 | 80 | 350 | 85 | 8551 | B2-U3-G3 | 101 | 8578 | B2-U3-G3 | 101 | 8578 | B2-U3-G3 | 101 | 8458 | B2-U3-G3 | 100 | 8485 | B3-U4-G3 | 100 |
| 80-G3-F-x-740-5 | 80 | 530 | 128 | 12030 | B2-U4-G3 | 94 | 12068 | B2-U4-G4 | 95 | 12068 | B2-U4-G4 | 95 | 11899 | B2-U4-G4 | 93 | 11937 | B3-U4-G4 | 94 |
| 80-G3-F-x-740-7 | 80 | 700 | 171 | 15103 | B2-U3-G2 | 88 | 15150 | B2-U3-G2 | 89 | 15150 | B2-U3-G2 | 89 | 14938 | B2-U3-G2 | 87 | 14986 | B3-U4-G5 | 88 |
| Vertical Ribbed VX681 4000K | | | | | | | | | | | | | | | | | | |
| 32-G3-V-x-740-3 | 32 | 350 | 37 | 2787 | B1-U2-G1 | 75 | 2787 | B1-U2-G1 | 75 | 2852 | B1-U2-G1 | 77 | 2735 | B1-U2-G1 | 74 | 2816 | B2-U3-G1 | 76 |
| 32-G3-V-x-740-5 | 32 | 530 | 53 | 4675 | B1-U2-G1 | 88 | 4675 | B1-U3-G1 | 88 | 4785 | B1-U3-G1 | 90 | 4588 | B1-U3-G1 | 87 | 4725 | B3-U3-G1 | 89 |
| 32-G3-V-x-740-7 | 32 | 700 | 71 | 5948 | B1-U3-G1 | 84 | 5948 | B1-U3-G1 | 84 | 6087 | B1-U3-G2 | 86 | 5837 | B1-U3-G1 | 82 | 6011 | B3-U3-G1 | 85 |
| 32-G3-V-x-740-9 | 32 | 900 | 93 | 7189 | B1-U3-G1 | 77 | 7189 | B1-U3-G1 | 77 | 7357 | B1-U3-G2 | 79 | 7054 | B1-U3-G1 | 76 | 7265 | B3-U3-G1 | 78 |
| 48-G3-V-x-740-3 | 48 | 350 | 51 | 4889 | B1-U2-G1 | 96 | 4889 | B1-U3-G1 | 96 | 5003 | B1-U3-G1 | 98 | 4797 | B1-U3-G1 | 94 | 4940 | B3-U3-G1 | 97 |
| 48-G3-V-x-740-5 | 48 | 530 | 79 | 7012 | B1-U3-G1 | 89 | 7012 | B1-U3-G1 | 89 | 7176 | B2-U3-G2 | 91 | 6881 | B1-U3-G2 | 87 | 7086 | B3-U3-G1 | 90 |
| 48-G3-V-x-740-7 | 48 | 700 | 106 | 8664 | B2-U3-G2 | 82 | 8664 | B2-U3-G2 | 82 | 8867 | B2-U3-G2 | 84 | 8502 | B1-U3-G2 | 80 | 8756 | B3-U3-G2 | 83 |
| 48-G3-V-x-740-9 | 48 | 900 | 136 | 10459 | B2-U3-G2 | 77 | 10459 | B2-U3-G2 | 77 | 10704 | B2-U3-G2 | 79 | 10264 | B1-U3-G2 | 76 | 10570 | B3-U3-G2 | 78 |
| 64-G3-V-x-740-3 | 64 | 350 | 68 | 6256 | B1-U3-G1 | 92 | 6256 | B1-U3-G1 | 92 | 6403 | B1-U3-G2 | 94 | 6140 | B1-U3-G2 | 90 | 6323 | B3-U3-G1 | 93 |
| 64-G3-V-x-740-5 | 64 | 530 | 105 | 9190 | B2-U3-G2 | 88 | 9190 | B2-U3-G2 | 88 | 9406 | B2-U3-G2 | 90 | 9018 | B1-U3-G2 | 86 | 9288 | B3-U3-G2 | 89 |
| 64-G3-V-x-740-7 | 64 | 700 | 136 | 11160 | B2-U3-G2 | 82 | 11160 | B2-U3-G2 | 82 | 11422 | B2-U3-G2 | 84 | 10952 | B1-U3-G2 | 80 | 11279 | B3-U3-G2 | 83 |
| 64-G3-V-x-740-9 | 64 | 900 | 179 | 13604 | B2-U3-G2 | 76 | 13604 | B2-U3-G2 | 76 | 13923 | B2-U3-G2 | 78 | 13350 | B1-U3-G2 | 74 | 13748 | B3-U3-G2 | 77 |
| 80-G3-V-x-740-3 | 80 | 350 | 85 | 7820 | B2-U3-G2 | 92 | 7820 | B1-U3-G2 | 92 | 8003 | B2-U3-G2 | 94 | 7674 | B1-U3-G2 | 90 | 7902 | B3-U3-G2 | 93 |
| 80-G3-V-x-740-5 | 80 | 530 | 128 | 10281 | B2-U3-G2 | 80 | 10281 | B2-U3-G2 | 80 | 10522 | B2-U3-G2 | 82 | 10089 | B2-U3-G2 | 79 | 10390 | B4-U3-G2 | 81 |
| 80-G3-V-x-740-7 | 80 | 700 | 171 | 13811 | B2-U3-G2 | 81 | 13811 | B2-U3-G2 | 81 | 14134 | B2-U3-G2 | 83 | 13553 | B2-U3-G2 | 79 | 13957 | B4-U3-G2 | 82 |

Actual performance may vary due to installation variables including optics, mounting/ceiling height, dirt depreciation, light loss factor, etc.;

highly recommended to confirm performance with a layout - contact Applications at outdoorlighting.applications@signify.com.

Note: Some data may be scaled based on tests of similar. But not identical luminaires.

VX681 Baltimore

Post top

Specifications

Housing

Roof: Hinged roof with stainless steel thumb screw. 360 low-copper die-cast aluminum alloy.

Panels: Three panel options. Clear panels are made of an U.V. Stabilized sheet material and include a frosted decorative glass chimney. Vertical Rib panels are U.V. stabilized, injection molded with internal vertical ribs. Frosted Panels are U.V. Stabilized sheet material. All panels have tool-less removal for ease of cleaning.

Fitter: Slip Fitter Dimensions: 3" I.D. x 3" deep. Tool-less hinge door to access photocontrol components.

LED Module

Composed of high-performance white LEDs. Color temperature as per ANSI/ NEMA bin - Neutral White, 4000 Kelvin nominal (3985K +/- 275K or 3710K to 4260K) or Warm White, 3000 Kelvin nominal (3045K +/- 175K or 2870K to 3220K), CRI 70 Min. 75 Typical.

Light Engine

LEDgine is composed of five main components: Heat Sink, Lens, LED lamp, Optical System, and Driver. Electrical components are RoHS compliant.

Heat Sink

Made of cast aluminum optimizing the LEDs efficiency and life. Product does not use any cooling device with moving parts (only passive cooling device).

Driver

Driver comes standard with 0-10V dimming capability. High power factor of 95%. Electronic driver, operating range 50/60 Hz. Auto adjusting universal voltage input from 120 to 277 VAC rated for both application line to line or line to neutral, Class I, THD of 20% max. Maximum ambient operating temperature from 40°F (4°C) to 130°F (55°C). Certified in compliance to UL1310 cULus requirement (dry and damp location). Assembled on a unitized removable tray with Tyco quick disconnect plug resisting to 221°F (105°C). The current supplying the LEDs will be reduced by the driver if the driver experiences internal overheating as a protection to the LEDs and the electrical components.

Driver Options

DALI: Pre-set driver compatible with DALI control system.

SRD: Sensor Ready Driver including SR communication (used for dimming and other functionalities), 24V auxiliary supply and a logical signal input (LSI) connected to the top NEMA twist lock receptacle.

SRD1: Sensor Ready Driver including SR communication (used for dimming and other functionalities) but with 24V auxiliary supply and a logical signal input (LSI) not connected to the top NEMA twist lock.

DA: 4 Hrs 25% reduction **DF:** 6 Hrs 75% reduction

DB: 4 Hrs 50% reduction **DG:** 8 Hrs 25% reduction

DC: 4 Hrs 75% reduction **DH:** 8 Hrs 50% reduction

DD: 6 Hrs 25% reduction **DJ:** 8 Hrs 75% reduction

DE: 6 Hrs 50% reduction

Surge Protection

Surge protector tested in accordance with ANSI/IEEE C62.45 per ANSI/ IEEE C62.41.2 Scenario I Category C High Exposure 10kV/10kA waveforms for Line Ground, Line Neutral and Neutral Ground, and in accordance with U.S. DOE (Department of Energy) MSSLC (Municipal Solid State Street Lighting Consortium) model specification for LED roadway luminaires electrical immunity requirements for High Test Level 10kV / 10kA. Option for SP2 20kV/20kA.

Field Adjustable Wattage (FAWS) Multiplier Chart

| FAWS Position | Percent of Typical Lumen Output |
|---------------|---------------------------------|
| 1 | 25% |
| 2 | 50% |
| 3 | 55% |
| 4 | 65% |
| 5 | 75% |
| 6 | 80% |
| 7 | 85% |
| 8 | 90% |
| 9 | 95% |
| 10 | 100% |

Note: Typical value accuracy +/- 5%

Luminaire Useful Life

Refer to IES files for energy consumption and delivered lumens for each option. Based on ISTMT in situ thermal testing in accordance with UL1598 and UL8750, using LM-80 data from LED manufacturers and engineering prediction methods, the luminaire useful life is expected to reach 100,000+ hours with >L70 lumen maintenance @ 25°C (48, 64 and 80 LEDs at 530mA is 77,000). Luminaire useful life accounts for LED lumen maintenance and additional factors, including LED life, driver life, PCB substrate, solder joints on/off cycles and burning hours for nominal applications.

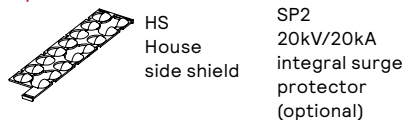
Hardware

All non-ferrous fasteners prevent corrosion and ensure longer life.

Wiring

18 AWG wire, 6" (152mm) minimum exceeding from luminaire.

Options



Optical System

Composed of high performance UV stabilized optical grade polymer refractor lenses to achieve desired distribution optimized to get maximum spacing, target lumens and a superior lighting uniformity. System is rated IP66. Performance shall be tested per LM-63, LM-79 and TM-15 (IESNA) certifying its photometric performance. Type 2, 3, 3W, 4 and Type 5 Street side indicated. House side shield optional (can be field installed) 2H: Type 2 with House Side Shield, 3H: Type 3 short with house side shield, 3WH: Type 3 Wide with House side shield.

VX681 Baltimore

Post top

Specifications (cont'd)

Finish

Color in accordance with the AAMA 2603 standard. Application of polyester powder coat paint (4 mils/100 microns) with ± 1 mils / 24 microns of tolerance. The Thermosetting resins provides a discoloration resistant finish in accordance with the ASTM D2244 standard, as well as luster retention in keeping with the ASTM D523 standard and humidity proof in accordance with the ASTM D2247 standard. The surface treatment achieves a minimum of 2000 hours for salt spray resistant finish in accordance with testing performed and per ASTM B117 standard.

LED products manufacturing standard

The electronic components sensitive to electrostatic discharge (ESD) such as light emitting diodes (LEDs) are assembled in compliance with IEC61340 5 1 and ANSI/ESD S20.20 standards so as to eliminate ESD events that could decrease the useful life of the product.

LED Performance

| Predicted lumen depreciation data ¹ | | | | |
|--|--------------|---|--|------------------------------------|
| Ambient Temperature (°C) | Driver mA | Calculated L ₇₀ hours ^{1,2} | L ₇₀ per TM-21 ^{2,3} | Lumen Maintenance % @ 60,000 hours |
| 25°C | up to 700 mA | >100,000 | >60,000 | 91% |

1. Predicted performance derived from LED manufacturer's data and engineering design estimates, based on IESNA LM-80 methodology. Actual experience may vary due to field application conditions.
2. L₇₀ is the predicted time when LED performance depreciates to 70% of initial lumen output.
3. Calculated per IESNA TM21-11. Published L₇₀ hours limited to 6 times actual LED test hours.

Quality Control

The manufacturer must provide a written confirmation of its ISO 9001 2008 and ISO 14001 2004 International Quality Standards Certification. Meets the ANSI C136.31 2010, American national Standard for Roadway Luminaire Vibration specifications for Normal Applications.

Certifications and Compliance

cETL listed to Canadian safety standards for wet locations. Manufactured to ISO 9001:2008 Standards. UL8750 and UL1598 compliant. ETL listed to U.S. safety standards for wet locations. cETL listed to Canadian safety standards for wet locations. LM80 & LM79 tested. Listed on the DesignLights™ Consortium (DLC) Qualified Products List (QPL).

Warranty

5 year extended warranty.

