

# Cree® XLamp® MX Family LEDs



## INTRODUCTION

This document describes the product nomenclature required to select and order Cree's XLamp MX Family of LEDs. XLamp MX Family LEDs are tested and sorted into bins which are then combined into orderable kits identified by an order code.

All XLamp LEDs are tested and sorted by color and brightness into a unique bin. Each bin contains LEDs from only one color and brightness group and is uniquely identified by a bin code. White XLamp LEDs are sorted by chromaticity (color), luminous flux (brightness) and sometimes voltage and/or color rendering index (CRI). LEDs are shipped on reels containing LEDs from one bin and are always labeled with the appropriate bin code.

Kits contain LEDs from a number of similar bins and are fully defined by their order codes. A full explanation of the order codes for XLamp MX Family LEDs, as well as a list of standard order codes, is provided in this document.

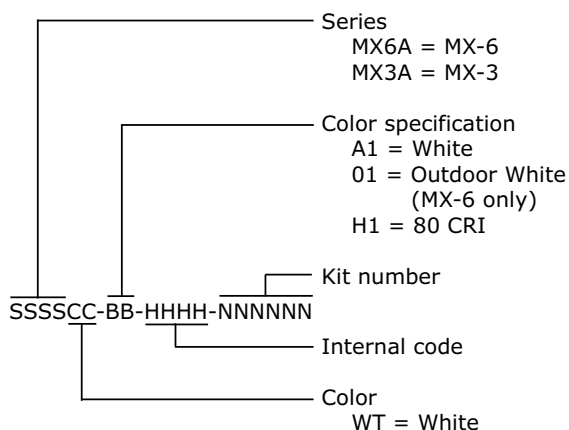
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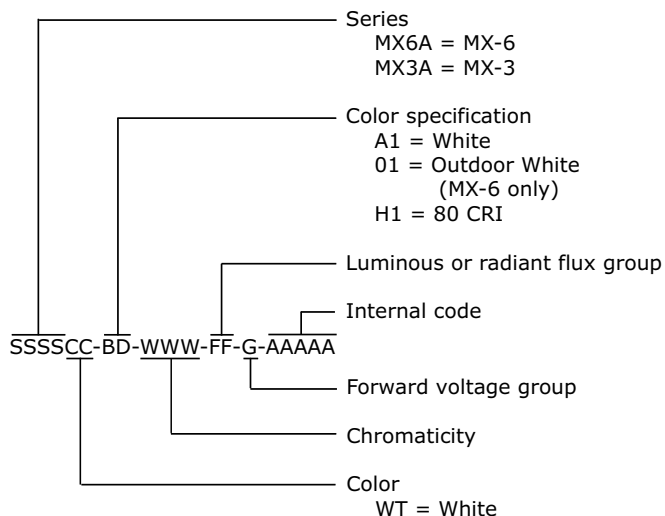
## BIN AND ORDER-CODE FORMAT

For MX-6 and MX-3 (parallel), bin codes and order codes are configured in the following manner:

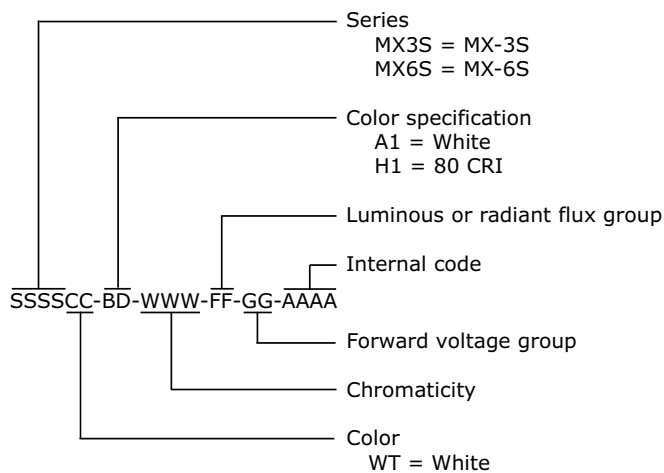
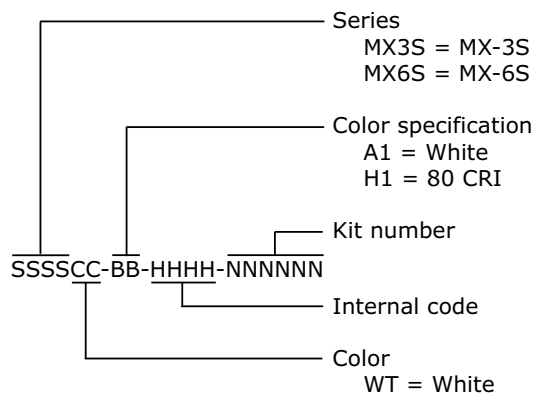
### Order Code



### Bin Code



For MX-6 and MX-3 (series), bin codes and order codes are configured in the following manner:



## PERFORMANCE GROUPS – BRIGHTNESS

White XLamp MX Family LEDs are tested for luminous flux and placed into one of the following luminous-flux groups:

| Group Code | Min. Luminous Flux (lm) | Max. Luminous Flux (lm) |
|------------|-------------------------|-------------------------|
| P2         | 67.2                    | 73.9                    |
| P3         | 73.9                    | 80.6                    |
| P4         | 80.6                    | 87.4                    |
| Q2         | 87.4                    | 93.9                    |
| Q3         | 93.9                    | 100                     |
| Q4         | 100                     | 107                     |
| Q5         | 107                     | 114                     |
| R2         | 114                     | 122                     |
| R3         | 122                     | 130                     |
| R4         | 130                     | 139                     |
| R5         | 139                     | 148                     |

## PERFORMANCE GROUPS – $V_F$

| MX-6 Group Code | Min. $V_F$ @ 300 mA | Max. $V_F$ @ 300 mA |
|-----------------|---------------------|---------------------|
| D               | 2.8                 | 3.2                 |
| E               | 3.2                 | 3.6                 |
| F               | 3.6                 | 3.8                 |
| 0               | No $V_F$ Binning    |                     |

| MX-3 Group Code | Min. $V_F$ @ 350 mA | Max. $V_F$ @ 350 mA |
|-----------------|---------------------|---------------------|
| D               | 2.8                 | 3.2                 |
| E               | 3.2                 | 3.6                 |
| F               | 3.6                 | 4.0                 |
| 0               | No $V_F$ Binning    |                     |

| MX-6S Group Code | Min. $V_F$ @ 60 mA | Max. $V_F$ @ 60 mA |
|------------------|--------------------|--------------------|
| RA               | 17.0               | 17.5               |
| RB               | 17.5               | 18.0               |
| SA               | 18.0               | 18.5               |
| SB               | 18.5               | 19.0               |
| TA               | 19.0               | 19.5               |
| TB               | 19.5               | 20.0               |
| UA               | 20.0               | 20.5               |
| UB               | 20.5               | 21.0               |
| VA               | 21.0               | 21.5               |
| VB               | 21.5               | 22.0               |
| 00               | No $V_F$ Binning   |                    |

| MX-3S Group Code | Min. $V_F$ @ 115 mA | Max. $V_F$ @ 115 mA |
|------------------|---------------------|---------------------|
| GB               | 8.5                 | 9.0                 |
| HA               | 9.0                 | 9.5                 |
| HB               | 9.5                 | 10.0                |
| JA               | 10.0                | 10.5                |
| JB               | 10.5                | 11.0                |
| KA               | 11.0                | 11.5                |
| KB               | 11.5                | 12.0                |
| 00               | No $V_F$ Binning    |                     |

**PERFORMANCE GROUPS – CHROMATICITY**

| Region | x      | y      | Region | x      | y      | Region | x      | y      | Region | x      | y      |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0A     | 0.2950 | 0.2970 | 0B     | 0.2920 | 0.3060 | 0C     | 0.2984 | 0.3133 | 0D     | 0.2984 | 0.3133 |
|        | 0.2920 | 0.3060 |        | 0.2895 | 0.3135 |        | 0.2962 | 0.3220 |        | 0.3048 | 0.3207 |
|        | 0.2984 | 0.3133 |        | 0.2962 | 0.3220 |        | 0.3028 | 0.3304 |        | 0.3068 | 0.3113 |
|        | 0.3009 | 0.3042 |        | 0.2984 | 0.3133 |        | 0.3048 | 0.3207 |        | 0.3009 | 0.3042 |
| 0R     | 0.2980 | 0.2880 | 0S     | 0.2895 | 0.3135 | 0T     | 0.2962 | 0.3220 | 0U     | 0.3037 | 0.2937 |
|        | 0.2950 | 0.2970 |        | 0.2870 | 0.3210 |        | 0.2937 | 0.3312 |        | 0.3009 | 0.3042 |
|        | 0.3009 | 0.3042 |        | 0.2937 | 0.3312 |        | 0.3005 | 0.3415 |        | 0.3068 | 0.3113 |
|        | 0.3037 | 0.2937 |        | 0.2962 | 0.3220 |        | 0.3028 | 0.3304 |        | 0.3093 | 0.2993 |
| 1A     | 0.3048 | 0.3207 | 1B     | 0.3028 | 0.3304 | 1C     | 0.3115 | 0.3391 | 1D     | 0.3130 | 0.3290 |
|        | 0.3130 | 0.3290 |        | 0.3115 | 0.3391 |        | 0.3205 | 0.3481 |        | 0.3213 | 0.3373 |
|        | 0.3144 | 0.3186 |        | 0.3130 | 0.3290 |        | 0.3213 | 0.3373 |        | 0.3221 | 0.3261 |
|        | 0.3068 | 0.3113 |        | 0.3048 | 0.3207 |        | 0.3130 | 0.3290 |        | 0.3144 | 0.3186 |
| 1R     | 0.3068 | 0.3113 | 1S     | 0.3005 | 0.3415 | 1T     | 0.3099 | 0.3509 | 1U     | 0.3144 | 0.3186 |
|        | 0.3144 | 0.3186 |        | 0.3099 | 0.3509 |        | 0.3196 | 0.3602 |        | 0.3221 | 0.3261 |
|        | 0.3161 | 0.3059 |        | 0.3115 | 0.3391 |        | 0.3205 | 0.3481 |        | 0.3231 | 0.3120 |
|        | 0.3093 | 0.2993 |        | 0.3028 | 0.3304 |        | 0.3115 | 0.3391 |        | 0.3161 | 0.3059 |
| 2A     | 0.3215 | 0.3350 | 2B     | 0.3207 | 0.3462 | 2C     | 0.3290 | 0.3538 | 2D     | 0.3290 | 0.3417 |
|        | 0.3290 | 0.3417 |        | 0.3290 | 0.3538 |        | 0.3376 | 0.3616 |        | 0.3371 | 0.3490 |
|        | 0.3290 | 0.3300 |        | 0.3290 | 0.3417 |        | 0.3371 | 0.3490 |        | 0.3366 | 0.3369 |
|        | 0.3222 | 0.3243 |        | 0.3215 | 0.3350 |        | 0.3290 | 0.3417 |        | 0.3290 | 0.3300 |
| 2R     | 0.3222 | 0.3243 | 2S     | 0.3196 | 0.3602 | 2T     | 0.3290 | 0.3690 | 2U     | 0.3290 | 0.3300 |
|        | 0.3290 | 0.3300 |        | 0.3290 | 0.3690 |        | 0.3381 | 0.3762 |        | 0.3366 | 0.3369 |
|        | 0.3290 | 0.3180 |        | 0.3290 | 0.3538 |        | 0.3376 | 0.3616 |        | 0.3361 | 0.3245 |
|        | 0.3231 | 0.3120 |        | 0.3207 | 0.3462 |        | 0.3290 | 0.3538 |        | 0.3290 | 0.3180 |
| 3A     | 0.3371 | 0.3490 | 3B     | 0.3376 | 0.3616 | 3C     | 0.3463 | 0.3687 | 3D     | 0.3451 | 0.3554 |
|        | 0.3451 | 0.3554 |        | 0.3463 | 0.3687 |        | 0.3551 | 0.3760 |        | 0.3533 | 0.3620 |
|        | 0.3440 | 0.3427 |        | 0.3451 | 0.3554 |        | 0.3533 | 0.3620 |        | 0.3515 | 0.3487 |
|        | 0.3366 | 0.3369 |        | 0.3371 | 0.3490 |        | 0.3451 | 0.3554 |        | 0.3440 | 0.3427 |
| 3R     | 0.3366 | 0.3369 | 3S     | 0.3381 | 0.3762 | 3T     | 0.3480 | 0.3840 | 3U     | 0.3440 | 0.3428 |
|        | 0.3440 | 0.3428 |        | 0.3480 | 0.3840 |        | 0.3571 | 0.3907 |        | 0.3515 | 0.3487 |
|        | 0.3429 | 0.3307 |        | 0.3463 | 0.3687 |        | 0.3551 | 0.3760 |        | 0.3495 | 0.3339 |
|        | 0.3361 | 0.3245 |        | 0.3376 | 0.3616 |        | 0.3463 | 0.3687 |        | 0.3429 | 0.3307 |
| 4A     | 0.3530 | 0.3597 | 4B     | 0.3548 | 0.3736 | 4C     | 0.3641 | 0.3804 | 4D     | 0.3615 | 0.3659 |
|        | 0.3615 | 0.3659 |        | 0.3641 | 0.3804 |        | 0.3736 | 0.3874 |        | 0.3702 | 0.3722 |
|        | 0.3590 | 0.3521 |        | 0.3615 | 0.3659 |        | 0.3702 | 0.3722 |        | 0.3670 | 0.3578 |
|        | 0.3512 | 0.3465 |        | 0.3530 | 0.3597 |        | 0.3615 | 0.3659 |        | 0.3590 | 0.3521 |
| 4R     | 0.3512 | 0.3465 | 4S     | 0.3571 | 0.3907 | 4T     | 0.3668 | 0.3957 | 4U     | 0.3590 | 0.3521 |
|        | 0.3590 | 0.3521 |        | 0.3668 | 0.3957 |        | 0.3771 | 0.4034 |        | 0.3670 | 0.3578 |
|        | 0.3567 | 0.3389 |        | 0.3641 | 0.3804 |        | 0.3736 | 0.3874 |        | 0.3640 | 0.3440 |
|        | 0.3495 | 0.3339 |        | 0.3548 | 0.3736 |        | 0.3641 | 0.3804 |        | 0.3567 | 0.3389 |

**PERFORMANCE GROUPS – CHROMATICITY (CONTINUED)**

| Region | x      | y      | Region | x      | y      | Region | x      | y      | Region | x      | y      |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5A1    | 0.3670 | 0.3578 | 5A2    | 0.3686 | 0.3649 | 5A3    | 0.3744 | 0.3685 | 5A4    | 0.3726 | 0.3612 |
|        | 0.3686 | 0.3649 |        | 0.3702 | 0.3722 |        | 0.3763 | 0.3760 |        | 0.3744 | 0.3685 |
|        | 0.3744 | 0.3685 |        | 0.3763 | 0.3760 |        | 0.3825 | 0.3798 |        | 0.3804 | 0.3721 |
|        | 0.3726 | 0.3612 |        | 0.3744 | 0.3685 |        | 0.3804 | 0.3721 |        | 0.3783 | 0.3646 |
| 5B1    | 0.3702 | 0.3722 | 5B2    | 0.3719 | 0.3797 | 5B3    | 0.3782 | 0.3837 | 5B4    | 0.3763 | 0.3760 |
|        | 0.3719 | 0.3797 |        | 0.3736 | 0.3874 |        | 0.3802 | 0.3916 |        | 0.3782 | 0.3837 |
|        | 0.3782 | 0.3837 |        | 0.3802 | 0.3916 |        | 0.3869 | 0.3958 |        | 0.3847 | 0.3877 |
|        | 0.3763 | 0.3760 |        | 0.3782 | 0.3837 |        | 0.3847 | 0.3877 |        | 0.3825 | 0.3798 |
| 5C1    | 0.3825 | 0.3798 | 5C2    | 0.3847 | 0.3877 | 5C3    | 0.3912 | 0.3917 | 5C4    | 0.3887 | 0.3836 |
|        | 0.3847 | 0.3877 |        | 0.3869 | 0.3958 |        | 0.3937 | 0.4001 |        | 0.3912 | 0.3917 |
|        | 0.3912 | 0.3917 |        | 0.3937 | 0.4001 |        | 0.4006 | 0.4044 |        | 0.3978 | 0.3958 |
|        | 0.3887 | 0.3836 |        | 0.3912 | 0.3917 |        | 0.3978 | 0.3958 |        | 0.3950 | 0.3875 |
| 5D1    | 0.3783 | 0.3646 | 5D2    | 0.3804 | 0.3721 | 5D3    | 0.3863 | 0.3758 | 5D4    | 0.3840 | 0.3681 |
|        | 0.3804 | 0.3721 |        | 0.3825 | 0.3798 |        | 0.3887 | 0.3836 |        | 0.3863 | 0.3758 |
|        | 0.3863 | 0.3758 |        | 0.3887 | 0.3836 |        | 0.3950 | 0.3875 |        | 0.3924 | 0.3794 |
|        | 0.3840 | 0.3681 |        | 0.3863 | 0.3758 |        | 0.3924 | 0.3794 |        | 0.3898 | 0.3716 |
| 6A1    | 0.3889 | 0.3690 | 6A2    | 0.3915 | 0.3768 | 6A3    | 0.3981 | 0.3800 | 6A4    | 0.3953 | 0.3720 |
|        | 0.3915 | 0.3768 |        | 0.3941 | 0.3848 |        | 0.4010 | 0.3882 |        | 0.3981 | 0.3800 |
|        | 0.3981 | 0.3800 |        | 0.4010 | 0.3882 |        | 0.4080 | 0.3916 |        | 0.4048 | 0.3832 |
|        | 0.3953 | 0.3720 |        | 0.3981 | 0.3800 |        | 0.4048 | 0.3832 |        | 0.4017 | 0.3751 |
| 6B1    | 0.3941 | 0.3848 | 6B2    | 0.3968 | 0.3930 | 6B3    | 0.4040 | 0.3966 | 6B4    | 0.4010 | 0.3882 |
|        | 0.3968 | 0.3930 |        | 0.3996 | 0.4015 |        | 0.4071 | 0.4052 |        | 0.4040 | 0.3966 |
|        | 0.4040 | 0.3966 |        | 0.4071 | 0.4052 |        | 0.4146 | 0.4089 |        | 0.4113 | 0.4001 |
|        | 0.4010 | 0.3882 |        | 0.4040 | 0.3966 |        | 0.4113 | 0.4001 |        | 0.4080 | 0.3916 |
| 6C1    | 0.4080 | 0.3916 | 6C2    | 0.4113 | 0.4001 | 6C3    | 0.4186 | 0.4037 | 6C4    | 0.4150 | 0.3950 |
|        | 0.4113 | 0.4001 |        | 0.4146 | 0.4089 |        | 0.4222 | 0.4127 |        | 0.4186 | 0.4037 |
|        | 0.4186 | 0.4037 |        | 0.4222 | 0.4127 |        | 0.4299 | 0.4165 |        | 0.4259 | 0.4073 |
|        | 0.4150 | 0.3950 |        | 0.4186 | 0.4037 |        | 0.4259 | 0.4073 |        | 0.4221 | 0.3984 |
| 6D1    | 0.4017 | 0.3751 | 6D2    | 0.4048 | 0.3832 | 6D3    | 0.4116 | 0.3865 | 6D4    | 0.4082 | 0.3782 |
|        | 0.4048 | 0.3832 |        | 0.4080 | 0.3916 |        | 0.4150 | 0.3950 |        | 0.4116 | 0.3865 |
|        | 0.4116 | 0.3865 |        | 0.4150 | 0.3950 |        | 0.4221 | 0.3984 |        | 0.4183 | 0.3898 |
|        | 0.4082 | 0.3782 |        | 0.4116 | 0.3865 |        | 0.4183 | 0.3898 |        | 0.4147 | 0.3814 |
| 7A1    | 0.4147 | 0.3814 | 7A2    | 0.4183 | 0.3898 | 7A3    | 0.4242 | 0.3919 | 7A4    | 0.4203 | 0.3833 |
|        | 0.4183 | 0.3898 |        | 0.4221 | 0.3984 |        | 0.4281 | 0.4006 |        | 0.4242 | 0.3919 |
|        | 0.4242 | 0.3919 |        | 0.4281 | 0.4006 |        | 0.4342 | 0.4028 |        | 0.4300 | 0.3939 |
|        | 0.4203 | 0.3833 |        | 0.4242 | 0.3919 |        | 0.4300 | 0.3939 |        | 0.4259 | 0.3853 |

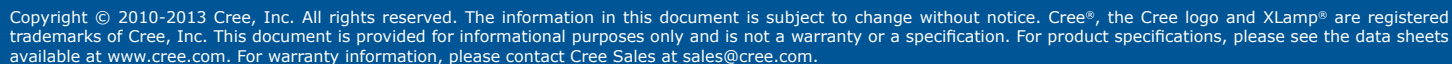
**PERFORMANCE GROUPS – CHROMATICITY (CONTINUED)**

| Region | x      | y      | Region | x      | y      | Region | x      | y      | Region | x      | y      |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 7B1    | 0.4221 | 0.3984 | 7B2    | 0.4259 | 0.4073 | 7B3    | 0.4322 | 0.4096 | 7B4    | 0.4281 | 0.4006 |
|        | 0.4259 | 0.4073 |        | 0.4299 | 0.4165 |        | 0.4364 | 0.4188 |        | 0.4322 | 0.4096 |
|        | 0.4322 | 0.4096 |        | 0.4364 | 0.4188 |        | 0.4430 | 0.4212 |        | 0.4385 | 0.4119 |
|        | 0.4281 | 0.4006 |        | 0.4322 | 0.4096 |        | 0.4385 | 0.4119 |        | 0.4342 | 0.4028 |
| 7C1    | 0.4342 | 0.4028 | 7C2    | 0.4385 | 0.4119 | 7C3    | 0.4449 | 0.4141 | 7C4    | 0.4403 | 0.4049 |
|        | 0.4385 | 0.4119 |        | 0.4430 | 0.4212 |        | 0.4496 | 0.4236 |        | 0.4449 | 0.4141 |
|        | 0.4449 | 0.4141 |        | 0.4496 | 0.4236 |        | 0.4562 | 0.4260 |        | 0.4513 | 0.4164 |
|        | 0.4403 | 0.4049 |        | 0.4449 | 0.4141 |        | 0.4513 | 0.4164 |        | 0.4465 | 0.4071 |
| 7D1    | 0.4259 | 0.3853 | 7D2    | 0.4300 | 0.3939 | 7D3    | 0.4359 | 0.3960 | 7D4    | 0.4316 | 0.3873 |
|        | 0.4300 | 0.3939 |        | 0.4342 | 0.4028 |        | 0.4403 | 0.4049 |        | 0.4359 | 0.3960 |
|        | 0.4359 | 0.3960 |        | 0.4403 | 0.4049 |        | 0.4465 | 0.4071 |        | 0.4418 | 0.3981 |
|        | 0.4316 | 0.3873 |        | 0.4359 | 0.3960 |        | 0.4418 | 0.3981 |        | 0.4373 | 0.3893 |
| 8A1    | 0.4373 | 0.3893 | 8A2    | 0.4418 | 0.3981 | 8A3    | 0.4475 | 0.3994 | 8A4    | 0.4428 | 0.3906 |
|        | 0.4418 | 0.3981 |        | 0.4465 | 0.4071 |        | 0.4523 | 0.4085 |        | 0.4475 | 0.3994 |
|        | 0.4475 | 0.3994 |        | 0.4523 | 0.4085 |        | 0.4582 | 0.4099 |        | 0.4532 | 0.4008 |
|        | 0.4428 | 0.3906 |        | 0.4475 | 0.3994 |        | 0.4532 | 0.4008 |        | 0.4483 | 0.3919 |
| 8B1    | 0.4465 | 0.4071 | 8B2    | 0.4513 | 0.4164 | 8B3    | 0.4573 | 0.4178 | 8B4    | 0.4523 | 0.4085 |
|        | 0.4513 | 0.4164 |        | 0.4562 | 0.4260 |        | 0.4624 | 0.4274 |        | 0.4573 | 0.4178 |
|        | 0.4573 | 0.4178 |        | 0.4624 | 0.4274 |        | 0.4687 | 0.4289 |        | 0.4634 | 0.4193 |
|        | 0.4523 | 0.4085 |        | 0.4573 | 0.4178 |        | 0.4634 | 0.4193 |        | 0.4582 | 0.4099 |
| 8C1    | 0.4582 | 0.4099 | 8C2    | 0.4634 | 0.4193 | 8C3    | 0.4695 | 0.4207 | 8C4    | 0.4641 | 0.4112 |
|        | 0.4634 | 0.4193 |        | 0.4687 | 0.4289 |        | 0.4750 | 0.4304 |        | 0.4695 | 0.4207 |
|        | 0.4695 | 0.4207 |        | 0.4750 | 0.4304 |        | 0.4813 | 0.4319 |        | 0.4756 | 0.4221 |
|        | 0.4641 | 0.4112 |        | 0.4695 | 0.4207 |        | 0.4756 | 0.4221 |        | 0.4700 | 0.4126 |
| 8D1    | 0.4483 | 0.3919 | 8D2    | 0.4532 | 0.4008 | 8D3    | 0.4589 | 0.4021 | 8D4    | 0.4538 | 0.3931 |
|        | 0.4532 | 0.4008 |        | 0.4582 | 0.4099 |        | 0.4641 | 0.4112 |        | 0.4589 | 0.4021 |
|        | 0.4589 | 0.4021 |        | 0.4641 | 0.4112 |        | 0.4700 | 0.4126 |        | 0.4646 | 0.4034 |
|        | 0.4538 | 0.3931 |        | 0.4589 | 0.4021 |        | 0.4646 | 0.4034 |        | 0.4593 | 0.3944 |
| AA1    | 0.4822 | 0.3973 | AA2    | 0.4884 | 0.4067 | AA3    | 0.4942 | 0.4066 | AA4    | 0.4879 | 0.3972 |
|        | 0.4884 | 0.4067 |        | 0.4946 | 0.4162 |        | 0.5006 | 0.4160 |        | 0.4942 | 0.4066 |
|        | 0.4942 | 0.4066 |        | 0.5006 | 0.4160 |        | 0.5066 | 0.4158 |        | 0.5001 | 0.4064 |
|        | 0.4879 | 0.3972 |        | 0.4942 | 0.4066 |        | 0.5001 | 0.4064 |        | 0.4936 | 0.3970 |
| AB1    | 0.4946 | 0.4162 | AB2    | 0.5008 | 0.4256 | AB3    | 0.5008 | 0.4256 | AB4    | 0.4946 | 0.4162 |
|        | 0.5008 | 0.4256 |        | 0.5070 | 0.4350 |        | 0.5070 | 0.4350 |        | 0.5008 | 0.4256 |
|        | 0.5069 | 0.4254 |        | 0.5133 | 0.4348 |        | 0.5133 | 0.4348 |        | 0.5069 | 0.4254 |
|        | 0.5006 | 0.4160 |        | 0.5069 | 0.4254 |        | 0.5069 | 0.4254 |        | 0.5006 | 0.4160 |

**PERFORMANCE GROUPS – CHROMATICITY (CONTINUED)**

| Region | x      | y      | Region | x      | y      | Region | x      | y      | Region | x      | y      |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| AC1    | 0.5066 | 0.4158 | AC2    | 0.5131 | 0.4252 | AC3    | 0.5192 | 0.4250 | AC4    | 0.5126 | 0.4156 |
|        | 0.5131 | 0.4252 |        | 0.5196 | 0.4346 |        | 0.5258 | 0.4343 |        | 0.5192 | 0.4250 |
|        | 0.5192 | 0.4250 |        | 0.5258 | 0.4343 |        | 0.5321 | 0.4341 |        | 0.5253 | 0.4248 |
|        | 0.5126 | 0.4156 |        | 0.5192 | 0.4250 |        | 0.5253 | 0.4248 |        | 0.5186 | 0.4154 |
| AD1    | 0.4936 | 0.3970 | AD2    | 0.5001 | 0.4064 | AD3    | 0.5059 | 0.4062 | AD4    | 0.4993 | 0.3969 |
|        | 0.5001 | 0.4064 |        | 0.5066 | 0.4158 |        | 0.5126 | 0.4156 |        | 0.5059 | 0.4062 |
|        | 0.5059 | 0.4062 |        | 0.5126 | 0.4156 |        | 0.5186 | 0.4154 |        | 0.5118 | 0.4061 |
|        | 0.4993 | 0.3969 |        | 0.5059 | 0.4062 |        | 0.5118 | 0.4061 |        | 0.5050 | 0.3967 |

## CREE'S STANDARD CHROMATICITY REGIONS PLOTTED ON THE 1931 CIE CURVE



## STANDARD ORDER CODES AND BINS (MX-3 COOL WHITE)

The following tables list standard kit numbers and performance bins. Kit numbers completely describe an order code's chromaticity regions and luminous flux range.

| XLamp MX-3 LED Standard Order Codes - Cool White |           |                                                  |                                                                                     |                        |        |
|--------------------------------------------------|-----------|--------------------------------------------------|-------------------------------------------------------------------------------------|------------------------|--------|
| Min. Luminous Flux (lm)<br>@ 350 mA*             |           | Calculated Min. Luminous Flux (lm)<br>@ 300 mA** | Chromaticity Regions                                                                | Order Code             | CCT    |
| Group                                            | Flux (lm) | Flux (lm)                                        |                                                                                     |                        |        |
| Cool White (4,300 K – 8,300 K)                   |           |                                                  |                                                                                     |                        |        |
| Q2                                               | 87.4      | 77                                               | 2C,2D,2U,2T,3A,3B,3C,3D,3R,3S,3T,3U,4A,4B,4R,4S                                     | MX3AWT-A1-0000-000ADZ  | 5000 K |
|                                                  |           |                                                  | 3A,3B,3C,3D,4A,4B,4C,4D                                                             | MX3AWT-A1-0000- 000AB1 | 4750 K |
|                                                  |           |                                                  | 3A,3B,3C,3D                                                                         | MX3AWT-A1-0000- 000AE3 | 5000 K |
|                                                  |           |                                                  | 3C,3D,4A,4B                                                                         | MX3AWT-A1-0000- 000AF4 | 4750 K |
|                                                  |           |                                                  | 4A,4B,4C,4D                                                                         | MX3AWT-A1-0000- 000AE4 | 4500 K |
| Q3                                               | 93.9      | 82                                               | 0A,0B,0C,0D,0R,0S,0T,0U,1A,1B,1C,1D,1R,1S,1T,1U,2A,2B,2C,2D,2R,2S,2T,2U,3A,3B,3R,3S | MX3AWT-A1-0000- 000B51 | 6500 K |
|                                                  |           |                                                  | 1A,1B,1C,1D,1R,1S,1T,1U,2A,2B,2C,2D,2R,2S,2T,3A,3B,3S                               | MX3AWT-A1-0000- 000B53 | 6000 K |
|                                                  |           |                                                  | 1A,1B,1C,1D,2A,2B,2C,2D                                                             | MX3AWT-A1-0000- 000B50 | 6000 K |
|                                                  |           |                                                  | 2C,2D,2U,2T,3A,3B,3C,3D,3R,3S,3T,3U,4A,4B,4R,4S                                     | MX3AWT-A1-0000-000BDZ  | 5000 K |
|                                                  |           |                                                  | 3A,3B,3C,3D,4A,4B,4C,4D                                                             | MX3AWT-A1-0000-000BB1  | 4750 K |
|                                                  |           |                                                  | 3A,3B,3C,3D                                                                         | MX3AWT-A1-0000-000BE3  | 5000 K |
|                                                  |           |                                                  | 3C,3D,4A,4B                                                                         | MX3AWT-A1-0000-000BF4  | 4750 K |
|                                                  |           |                                                  | 4A,4B,4C,4D                                                                         | MX3AWT-A1-0000-000BE4  | 4500 K |
| Q4                                               | 100       | 87                                               | 0A,0B,0C,0D,0R,0S,0T,0U,1A,1B,1C,1D,1R,1S,1T,1U,2A,2B,2C,2D,2R,2S,2T,2U,3A,3B,3R,3S | MX3AWT-A1-0000-000C51  | 6500 K |
|                                                  |           |                                                  | 1A,1B,1C,1D,1R,1S,1T,1U,2A,2B,2C,2D,2R,2S,2T,3A,3B,3S                               | MX3AWT-A1-0000-000C53  | 6000 K |
|                                                  |           |                                                  | 1A,1B,1C,1D,2A,2B,2C,2D                                                             | MX3AWT-A1-0000-000C50  | 6000 K |
|                                                  |           |                                                  | 2C,2D,2U,2T,3A,3B,3C,3D,3R,3S,3T,3U,4A,4B,4R,4S                                     | MX3AWT-A1-0000-000CDZ  | 5000 K |
|                                                  |           |                                                  | 3A,3B,3C,3D                                                                         | MX3AWT-A1-0000-000CE3  | 5000 K |
|                                                  |           |                                                  | 3C,3D,4A,4B                                                                         | MX3AWT-A1-0000-000CF4  | 4750 K |
|                                                  |           |                                                  | 4A,4B,4C,4D                                                                         | MX3AWT-A1-0000-000CE4  | 4500 K |
| Q5                                               | 107       | 93.9                                             | 0A,0B,0C,0D,0R,0S,0T,0U,1A,1B,1C,1D,1R,1S,1T,1U,2A,2B,2C,2D,2R,2S,2T,2U,3A,3B,3R,3S | MX3AWT-A1-0000-000D51  | 6500 K |
|                                                  |           |                                                  | 1A,1B,1C,1D,1R,1S,1T,1U,2A,2B,2C,2D,2R,2S,2T,3A,3B,3S                               | MX3AWT-A1-0000-000D53  | 6000 K |
|                                                  |           |                                                  | 1A,1B,1C,1D,2A,2B,2C,2D                                                             | MX3AWT-A1-0000-000D50  | 6000 K |
|                                                  |           |                                                  | 3A,3B,3C,3D                                                                         | MX3AWT-A1-0000-000DE3  | 5000 K |
| R2                                               | 114       | 100                                              | 0A,0B,0C,0D,0R,0S,0T,0U,1A,1B,1C,1D,1R,1S,1T,1U,2A,2B,2C,2D,2R,2S,2T,2U,3A,3B,3R,3S | MX3AWT-A1-0000-000E51  | 6500 K |
|                                                  |           |                                                  | 1A,1B,1C,1D,1R,1S,1T,1U,2A,2B,2C,2D,2R,2S,2T,3A,3B,3S                               | MX3AWT-A1-0000-000E53  | 6000 K |
|                                                  |           |                                                  | 1A,1B,1C,1D,2A,2B,2C,2D                                                             | MX3AWT-A1-0000-000E50  | 6000 K |

For other flux and chromaticity combinations, contact Cree or an authorized distributor.

\* Cree XLamp MX-3 order codes specify only a minimum flux bin and not a maximum. Cree may ship reels in flux bins higher than the minimum specified by the order code without advance notice. Shipments will always adhere to the chromaticity or DWL bin restrictions specified by the order code.

\*\* Calculated values for reference purposes only.

## STANDARD ORDER CODES AND BINS (MX-3 WARM WHITE)

The following tables list standard kit numbers and performance bins. Kit numbers completely describe an order code's chromaticity regions and luminous flux range.

| XLamp MX-3 LED Standard Order Codes - Warm White |           |                                                        |                                                                 |                       |        |
|--------------------------------------------------|-----------|--------------------------------------------------------|-----------------------------------------------------------------|-----------------------|--------|
| Min. Luminous Flux (lm)<br>@ 350 mA*             |           | Calculated<br>Min. Luminous<br>Flux (lm)<br>@ 300 mA** | Chromaticity Regions                                            | Order Code            | CCT    |
| Group                                            | Flux (lm) | Flux (lm)                                              |                                                                 |                       |        |
| Warm White (2,600 K – 4,300 K)                   |           |                                                        |                                                                 |                       |        |
| P3                                               | 73.9      | 65                                                     | 6C1,6C2,6C3,6C4,6D1,6D2,6D3,6D4,7A1,7A2,7A3,7A4,7B1,7B2,7B3,7B4 | MX3AWT-A1-0000-0008F7 | 3200 K |
|                                                  |           |                                                        | 7A1,7A2,7A3,7A4,7B1,7B2,7B3,7B4,7C1,7C2,7C3,7C4,7D1,7D2,7D3,7D4 | MX3AWT-A1-0000-0008E7 | 3000 K |
|                                                  |           |                                                        | 7C1,7C2,7C3,7C4,7D1,7D2,7D3,7D4,8A1,8A2,8A3,8A4,8B1,8B2,8B3,8B4 | MX3AWT-A1-0000-0008F8 | 2900 K |
|                                                  |           |                                                        | 8A1,8A2,8A3,8A4,8B1,8B2,8B3,8B4,8C1,8C2,8C3,8C4,8D1,8D2,8D3,8D4 | MX3AWT-A1-0000-0008E8 | 2700 K |
| P4                                               | 80.6      | 70                                                     | 6A1,6A2,6A3,6A4,6B1,6B2,6B3,6B4,6C1,6C2,6C3,6C4,6D1,6D2,6D3,6D4 | MX3AWT-A1-0000-0009E6 | 3500 K |
|                                                  |           |                                                        | 6C1,6C2,6C3,6C4,6D1,6D2,6D3,6D4,7A1,7A2,7A3,7A4,7B1,7B2,7B3,7B4 | MX3AWT-A1-0000-0009F7 | 3200 K |
|                                                  |           |                                                        | 7A1,7A2,7A3,7A4,7B1,7B2,7B3,7B4,7C1,7C2,7C3,7C4,7D1,7D2,7D3,7D4 | MX3AWT-A1-0000-0009E7 | 3000 K |
|                                                  |           |                                                        | 7C1,7C2,7C3,7C4,7D1,7D2,7D3,7D4,8A1,8A2,8A3,8A4,8B1,8B2,8B3,8B4 | MX3AWT-A1-0000-0009F8 | 2900 K |
|                                                  |           |                                                        | 8A1,8A2,8A3,8A4,8B1,8B2,8B3,8B4,8C1,8C2,8C3,8C4,8D1,8D2,8D3,8D4 | MX3AWT-A1-0000-0009E8 | 2700 K |
| Q2                                               | 87.4      | 76                                                     | 5A1,5A2,5A3,5A4,5B1,5B2,5B3,5B4,5C1,5C2,5C3,5C4,5D1,5D2,5D3,5D4 | MX3AWT-A1-0000-000AE5 | 4000 K |
|                                                  |           |                                                        | 5C1,5C2,5C3,5C4,5D1,5D2,5D3,5D4,6A1,6A2,6A3,6A4,6B1,6B2,6B3,6B4 | MX3AWT-A1-0000-000AF6 | 3700 K |
|                                                  |           |                                                        | 6A1,6A2,6A3,6A4,6B1,6B2,6B3,6B4,6C1,6C2,6C3,6C4,6D1,6D2,6D3,6D4 | MX3AWT-A1-0000-000AE6 | 3500 K |
|                                                  |           |                                                        | 6C1,6C2,6C3,6C4,6D1,6D2,6D3,6D4,7A1,7A2,7A3,7A4,7B1,7B2,7B3,7B4 | MX3AWT-A1-0000-000AF7 | 3200 K |
|                                                  |           |                                                        | 7A1,7A2,7A3,7A4,7B1,7B2,7B3,7B4,7C1,7C2,7C3,7C4,7D1,7D2,7D3,7D4 | MX3AWT-A1-0000-000AE7 | 3000 K |
|                                                  |           |                                                        | 7C1,7C2,7C3,7C4,7D1,7D2,7D3,7D4,8A1,8A2,8A3,8A4,8B1,8B2,8B3,8B4 | MX3AWT-A1-0000-000AF8 | 2900 K |
|                                                  |           |                                                        | 8A1,8A2,8A3,8A4,8B1,8B2,8B3,8B4,8C1,8C2,8C3,8C4,8D1,8D2,8D3,8D4 | MX3AWT-A1-0000-000AE8 | 2700 K |
| Q3                                               | 93.9      | 82                                                     | 5A1,5A2,5A3,5A4,5B1,5B2,5B3,5B4,5C1,5C2,5C3,5C4,5D1,5D2,5D3,5D4 | MX3AWT-A1-0000-000BE5 | 4000 K |
|                                                  |           |                                                        | 5C1,5C2,5C3,5C4,5D1,5D2,5D3,5D4,6A1,6A2,6A3,6A4,6B1,6B2,6B3,6B4 | MX3AWT-A1-0000-000BF6 | 3700 K |
|                                                  |           |                                                        | 6A1,6A2,6A3,6A4,6B1,6B2,6B3,6B4,6C1,6C2,6C3,6C4,6D1,6D2,6D3,6D4 | MX3AWT-A1-0000-000BE6 | 3500 K |
|                                                  |           |                                                        | 6C1,6C2,6C3,6C4,6D1,6D2,6D3,6D4,7A1,7A2,7A3,7A4,7B1,7B2,7B3,7B4 | MX3AWT-A1-0000-000BF7 | 3200 K |
|                                                  |           |                                                        | 7A1,7A2,7A3,7A4,7B1,7B2,7B3,7B4,7C1,7C2,7C3,7C4,7D1,7D2,7D3,7D4 | MX3AWT-A1-0000-000BE7 | 3000 K |
| Q4                                               | 100       | 87                                                     | 5A1,5A2,5A3,5A4,5B1,5B2,5B3,5B4,5C1,5C2,5C3,5C4,5D1,5D2,5D3,5D4 | MX3AWT-A1-0000-000CE5 | 4000 K |

For other flux and chromaticity combinations, contact Cree or an authorized distributor.

\* Cree XLamp MX-3 order codes specify only a minimum flux bin and not a maximum. Cree may ship reels in flux bins higher than the minimum specified by the order code without advance notice. Shipments will always adhere to the chromaticity or DWL bin restrictions specified by the order code.

\*\* Calculated values for reference purposes only.

## STANDARD ORDER CODES AND BINS (MX-6 COOL WHITE)

The following tables list standard kit numbers and performance bins. Kit numbers completely describe an order code's chromaticity regions and luminous flux range.

| XLamp MX-6 LED Standard Order Codes - Cool White |           |                                                     |                                                                                     |                       |        |
|--------------------------------------------------|-----------|-----------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------|--------|
| Min. Luminous Flux (lm)<br>@ 300 mA*             |           | Calculated<br>Min. Luminous Flux (lm)<br>@ 350 mA** | Chromaticity Regions                                                                | Order Code            | CCT    |
| Group                                            | Flux (lm) | Flux (lm)                                           |                                                                                     |                       |        |
| Cool White (4,300 K – 8,300 K)                   |           |                                                     |                                                                                     |                       |        |
| Q2                                               | 87.4      | 100                                                 | 2C,2D,2U,2T,3A,3B,3C,3D,3R,3S,3T,3U,4A,4B,4R,4S                                     | MX6AWT-A1-0000-000ADZ | 5000 K |
|                                                  |           |                                                     | 3A,3B,3C,3D                                                                         | MX6AWT-A1-0000-000AE3 | 5000 K |
|                                                  |           |                                                     | 3C,3D,4A,4B                                                                         | MX6AWT-A1-0000-000AF4 | 4750 K |
|                                                  |           |                                                     | 4A,4B,4C,4D                                                                         | MX6AWT-A1-0000-000AE4 | 4500 K |
| Q3                                               | 93.9      | 107                                                 | 0A,0B,0C,0D,0R,0S,0T,0U,1A,1B,1C,1D,1R,1S,1T,1U,2A,2B,2C,2D,2R,2S,2T,2U,3A,3B,3R,3S | MX6AWT-A1-0000-000B51 | 6500 K |
|                                                  |           |                                                     | 1A,1B,1C,1D,1R,1S,1T,1U,2A,2B,2C,2D,2R,2S,2T,3A,3B,3S                               | MX6AWT-A1-0000-000B53 | 6000 K |
|                                                  |           |                                                     | 1A,1B,1C,1D,2A,2B,2C,2D                                                             | MX6AWT-A1-0000-000B50 | 6000 K |
|                                                  |           |                                                     | 2C,2D,2U,2T,3A,3B,3C,3D,3R,3S,3T,3U,4A,4B,4R,4S                                     | MX6AWT-A1-0000-000BDZ | 5000 K |
|                                                  |           |                                                     | 3A,3B,3C,3D                                                                         | MX6AWT-A1-0000-000BE3 | 5000 K |
|                                                  |           |                                                     | 3C,3D,4A,4B                                                                         | MX6AWT-A1-0000-000BF4 | 4750 K |
| Q4                                               | 100       | 114                                                 | 4A,4B,4C,4D                                                                         | MX6AWT-A1-0000-000BE4 | 4500 K |
|                                                  |           |                                                     | 0A,0B,0C,0D,0R,0S,0T,0U,1A,1B,1C,1D,1R,1S,1T,1U,2A,2B,2C,2D,2R,2S,2T,2U,3A,3B,3R,3S | MX6AWT-A1-0000-000C51 | 6500 K |
|                                                  |           |                                                     | 1A,1B,1C,1D,1R,1S,1T,1U,2A,2B,2C,2D,2R,2S,2T,3A,3B,3S                               | MX6AWT-A1-0000-000C53 | 6000 K |
|                                                  |           |                                                     | 1A,1B,1C,1D,2A,2B,2C,2D                                                             | MX6AWT-A1-0000-000C50 | 6000 K |
|                                                  |           |                                                     | 2C,2D,2U,2T,3A,3B,3C,3D,3R,3S,3T,3U,4A,4B,4R,4S                                     | MX6AWT-A1-0000-000CDZ | 5000 K |
|                                                  |           |                                                     | 3A,3B,3C,3D                                                                         | MX6AWT-A1-0000-000CE3 | 5000 K |
| Q5                                               | 107       | 122                                                 | 3C,3D,4A,4B                                                                         | MX6AWT-A1-0000-000CF4 | 4750 K |
|                                                  |           |                                                     | 4A,4B,4C,4D                                                                         | MX6AWT-A1-0000-000CE4 | 4500 K |
|                                                  |           |                                                     | 0A,0B,0C,0D,0R,0S,0T,0U,1A,1B,1C,1D,1R,1S,1T,1U,2A,2B,2C,2D,2R,2S,2T,2U,3A,3B,3R,3S | MX6AWT-A1-0000-000D51 | 6500 K |
|                                                  |           |                                                     | 1A,1B,1C,1D,1R,1S,1T,1U,2A,2B,2C,2D,2R,2S,2T,3A,3B,3S                               | MX6AWT-A1-0000-000D53 | 6000 K |
|                                                  |           |                                                     | 1A,1B,1C,1D,2A,2B,2C,2D                                                             | MX6AWT-A1-0000-000D50 | 6000 K |
|                                                  |           |                                                     | 2C,2D,2U,2T,3A,3B,3C,3D,3R,3S,3T,3U,4A,4B,4R,4S                                     | MX6AWT-A1-0000-000DDZ | 5000 K |
| R2                                               | 114       | 130                                                 | 3A,3B,3C,3D                                                                         | MX6AWT-A1-0000-000DE3 | 5000 K |
|                                                  |           |                                                     | 3C,3D,4A,4B                                                                         | MX6AWT-A1-0000-000DF4 | 4750 K |
|                                                  |           |                                                     | 4A,4B,4C,4D                                                                         | MX6AWT-A1-0000-000DE4 | 4500 K |
| R2                                               | 114       | 130                                                 | 0A,0B,0C,0D,0R,0S,0T,0U,1A,1B,1C,1D,1R,1S,1T,1U,2A,2B,2C,2D,2R,2S,2T,2U,3A,3B,3R,3S | MX6AWT-A1-0000-000E51 | 6500 K |
|                                                  |           |                                                     | 1A,1B,1C,1D,1R,1S,1T,1U,2A,2B,2C,2D,2R,2S,2T,3A,3B,3S                               | MX6AWT-A1-0000-000E53 | 6000 K |
|                                                  |           |                                                     | 1A,1B,1C,1D,2A,2B,2C,2D                                                             | MX6AWT-A1-0000-000E50 | 6000 K |

For other flux and chromaticity combinations, contact Cree or an authorized distributor.

\* Cree XLamp MX-6 order codes specify only a minimum flux bin and not a maximum. Cree may ship reels in flux bins higher than the minimum specified by the order code without advance notice. Shipments will always adhere to the chromaticity or DWL bin restrictions specified by the order code.

\*\* Calculated values for reference purposes only.

## STANDARD ORDER CODES AND BINS (MX-6 80-CRI MINIMUM COOL WHITE)

The following tables list standard kit numbers and performance bins. Kit numbers completely describe an order code's chromaticity regions and luminous flux range.

| XLamp MX-6 LED Standard Order Codes - 80-CRI Minimum, Cool White |           |                                                        |                                                                                     |                       |        |
|------------------------------------------------------------------|-----------|--------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------|--------|
| Min. Luminous Flux (lm)<br>@ 300 mA*                             |           | Calculated<br>Min. Luminous<br>Flux (lm)<br>@ 350 mA** | Chromaticity Regions                                                                | Order Code            | CCT    |
| Group                                                            | Flux (lm) | Flux (lm)                                              |                                                                                     |                       |        |
| Cool White (4,300 K – 8,300 K)                                   |           |                                                        |                                                                                     |                       |        |
| Q2                                                               | 87.4      | 100                                                    | 2C,2D,2U,2T,3A,3B,3C,3D,3R,3S,3T,3U,4A,4B,4R,4S                                     | MX6AWT-H1-0000-000ADZ | 5000 K |
|                                                                  |           |                                                        | 3A,3B,3C,3D                                                                         | MX6AWT-H1-0000-000AE3 | 5000 K |
|                                                                  |           |                                                        | 3C,3D,4A,4B                                                                         | MX6AWT-H1-0000-000AF4 | 4750 K |
|                                                                  |           |                                                        | 4A,4B,4C,4D                                                                         | MX6AWT-H1-0000-000AE4 | 4500 K |
| Q3                                                               | 93.9      | 107                                                    | 0A,0B,0C,0D,0R,0S,0T,0U,1A,1B,1C,1D,1R,1S,1T,1U,2A,2B,2C,2D,2R,2S,2T,2U,3A,3B,3R,3S | MX6AWT-H1-0000-000B51 | 6500 K |
|                                                                  |           |                                                        | 1A,1B,1C,1D,1R,1S,1T,1U,2A,2B,2C,2D,2R,2S,2T,3A,3B,3S                               | MX6AWT-H1-0000-000B53 | 6000 K |
|                                                                  |           |                                                        | 1A,1B,1C,1D,2A,2B,2C,2D                                                             | MX6AWT-H1-0000-000B50 | 6000 K |
|                                                                  |           |                                                        | 2C,2D,2U,2T,3A,3B,3C,3D,3R,3S,3T,3U,4A,4B,4R,4S                                     | MX6AWT-H1-0000-000BDZ | 5000 K |
|                                                                  |           |                                                        | 3A,3B,3C,3D                                                                         | MX6AWT-H1-0000-000BE3 | 5000 K |
|                                                                  |           |                                                        | 3C,3D,4A,4B                                                                         | MX6AWT-H1-0000-000BF4 | 4750 K |
|                                                                  |           |                                                        | 4A,4B,4C,4D                                                                         | MX6AWT-H1-0000-000BE4 | 4500 K |
| Q4                                                               | 100       | 114                                                    | 0A,0B,0C,0D,0R,0S,0T,0U,1A,1B,1C,1D,1R,1S,1T,1U,2A,2B,2C,2D,2R,2S,2T,2U,3A,3B,3R,3S | MX6AWT-H1-0000-000C51 | 6500 K |
|                                                                  |           |                                                        | 1A,1B,1C,1D,1R,1S,1T,1U,2A,2B,2C,2D,2R,2S,2T,3A,3B,3S                               | MX6AWT-H1-0000-000C53 | 6000 K |
|                                                                  |           |                                                        | 1A,1B,1C,1D,2A,2B,2C,2D                                                             | MX6AWT-H1-0000-000C50 | 6000 K |
|                                                                  |           |                                                        | 2C,2D,2U,2T,3A,3B,3C,3D,3R,3S,3T,3U,4A,4B,4R,4S                                     | MX6AWT-H1-0000-000CDZ | 5000 K |
|                                                                  |           |                                                        | 3A,3B,3C,3D                                                                         | MX6AWT-H1-0000-000CE3 | 5000 K |
|                                                                  |           |                                                        | 3C,3D,4A,4B                                                                         | MX6AWT-H1-0000-000CF4 | 4750 K |
|                                                                  |           |                                                        | 4A,4B,4C,4D                                                                         | MX6AWT-H1-0000-000CE4 | 4500 K |
| Q5                                                               | 107       | 122                                                    | 0A,0B,0C,0D,0R,0S,0T,0U,1A,1B,1C,1D,1R,1S,1T,1U,2A,2B,2C,2D,2R,2S,2T,2U,3A,3B,3R,3S | MX6AWT-H1-0000-000D51 | 6500 K |
|                                                                  |           |                                                        | 1A,1B,1C,1D,1R,1S,1T,1U,2A,2B,2C,2D,2R,2S,2T,3A,3B,3S                               | MX6AWT-H1-0000-000D53 | 6000 K |
|                                                                  |           |                                                        | 1A,1B,1C,1D,2A,2B,2C,2D                                                             | MX6AWT-H1-0000-000D50 | 6000 K |
|                                                                  |           |                                                        | 2C,2D,2U,2T,3A,3B,3C,3D,3R,3S,3T,3U,4A,4B,4R,4S                                     | MX6AWT-H1-0000-000DDZ | 5000 K |
|                                                                  |           |                                                        | 3A,3B,3C,3D                                                                         | MX6AWT-H1-0000-000DE3 | 5000 K |
|                                                                  |           |                                                        | 3C,3D,4A,4B                                                                         | MX6AWT-H1-0000-000DF4 | 4750 K |
|                                                                  |           |                                                        | 4A,4B,4C,4D                                                                         | MX6AWT-H1-0000-000DE4 | 4500 K |

For other flux and chromaticity combinations, contact Cree or an authorized distributor.

\* Cree XLamp MX-6 order codes specify only a minimum flux bin and not a maximum. Cree may ship reels in flux bins higher than the minimum specified by the order code without advance notice. Shipments will always adhere to the chromaticity or DWL bin restrictions specified by the order code.

\*\* Calculated values for reference purposes only.

## STANDARD ORDER CODES AND BINS (MX-6 80-CRI MINIMUM, WHITE)

The following tables list standard kit numbers and performance bins. Kit numbers completely describe an order code's chromaticity regions and luminous flux range.

| XLamp MX-6 LED Standard Order Codes - 80-CRI Minimum, White |           |                                               |                                                                 |                       |        |
|-------------------------------------------------------------|-----------|-----------------------------------------------|-----------------------------------------------------------------|-----------------------|--------|
| Min. Luminous Flux (lm) @ 300 mA*                           |           | Calculated Min. Luminous Flux (lm) @ 350 mA** | Chromaticity Regions                                            | Order Code            | CCT    |
| Group                                                       | Flux (lm) | Flux (lm)                                     |                                                                 |                       |        |
| Warm White (2,600 K – 4,300 K)                              |           |                                               |                                                                 |                       |        |
| N4                                                          | 62        | 71                                            | 7C1,7C2,7C3,7C4,7D1,7D2,7D3,7D4,8A1,8A2,8A3,8A4,8B1,8B2,8B3,8B4 | MX6AWT-H1-0000-0006F8 | 2900 K |
|                                                             |           |                                               | 8A1,8A2,8A3,8A4,8B1,8B2,8B3,8B4,8C1,8C2,8C3,8C4,8D1,8D2,8D3,8D4 | MX6AWT-H1-0000-0006E8 | 2700 K |
| P2                                                          | 67.2      | 77                                            | 5C1,5C2,5C3,5C4,5D1,5D2,5D3,5D4,6A1,6A2,6A3,6A4,6B1,6B2,6B3,6B4 | MX6AWT-H1-0000-0007F6 | 3700 K |
|                                                             |           |                                               | 6A1,6A2,6A3,6A4,6B1,6B2,6B3,6B4,6C1,6C2,6C3,6C4,6D1,6D2,6D3,6D4 | MX6AWT-H1-0000-0007E6 | 3500 K |
|                                                             |           |                                               | 6C1,6C2,6C3,6C4,6D1,6D2,6D3,6D4,7A1,7A2,7A3,7A4,7B1,7B2,7B3,7B4 | MX6AWT-H1-0000-0007F7 | 3200 K |
|                                                             |           |                                               | 7A1,7A2,7A3,7A4,7B1,7B2,7B3,7B4,7C1,7C2,7C3,7C4,7D1,7D2,7D3,7D4 | MX6AWT-H1-0000-0007E7 | 3000 K |
|                                                             |           |                                               | 7C1,7C2,7C3,7C4,7D1,7D2,7D3,7D4,8A1,8A2,8A3,8A4,8B1,8B2,8B3,8B4 | MX6AWT-H1-0000-0007F8 | 2900 K |
|                                                             |           |                                               | 8A1,8A2,8A3,8A4,8B1,8B2,8B3,8B4,8C1,8C2,8C3,8C4,8D1,8D2,8D3,8D4 | MX6AWT-H1-0000-0007E8 | 2700 K |
| P3                                                          | 73.9      | 84                                            | 5C1,5C2,5C3,5C4,5D1,5D2,5D3,5D4,6A1,6A2,6A3,6A4,6B1,6B2,6B3,6B4 | MX6AWT-H1-0000-0008F6 | 3700 K |
|                                                             |           |                                               | 6A1,6A2,6A3,6A4,6B1,6B2,6B3,6B4,6C1,6C2,6C3,6C4,6D1,6D2,6D3,6D4 | MX6AWT-H1-0000-0008E6 | 3500 K |
|                                                             |           |                                               | 6C1,6C2,6C3,6C4,6D1,6D2,6D3,6D4,7A1,7A2,7A3,7A4,7B1,7B2,7B3,7B4 | MX6AWT-H1-0000-0008F7 | 3200 K |
|                                                             |           |                                               | 7A1,7A2,7A3,7A4,7B1,7B2,7B3,7B4,7C1,7C2,7C3,7C4,7D1,7D2,7D3,7D4 | MX6AWT-H1-0000-0008E7 | 3000 K |
|                                                             |           |                                               | 7C1,7C2,7C3,7C4,7D1,7D2,7D3,7D4,8A1,8A2,8A3,8A4,8B1,8B2,8B3,8B4 | MX6AWT-H1-0000-0008F8 | 2900 K |
|                                                             |           |                                               | 8A1,8A2,8A3,8A4,8B1,8B2,8B3,8B4,8C1,8C2,8C3,8C4,8D1,8D2,8D3,8D4 | MX6AWT-H1-0000-0008E8 | 2700 K |
| P4                                                          | 80.6      | 92                                            | 4C,4D,5A1,5A2,5A3,5A4,5B1,5B2,5B3,5B4                           | MX6AWT-H1-0000-0009F5 | 4300 K |
|                                                             |           |                                               | 5A1,5A2,5A3,5A4,5B1,5B2,5B3,5B4,5C1,5C2,5C3,5C4,5D1,5D2,5D3,5D4 | MX6AWT-H1-0000-0009E5 | 4000 K |
|                                                             |           |                                               | 5C1,5C2,5C3,5C4,5D1,5D2,5D3,5D4,6A1,6A2,6A3,6A4,6B1,6B2,6B3,6B4 | MX6AWT-H1-0000-0009F6 | 3700 K |
|                                                             |           |                                               | 6A1,6A2,6A3,6A4,6B1,6B2,6B3,6B4,6C1,6C2,6C3,6C4,6D1,6D2,6D3,6D4 | MX6AWT-H1-0000-0009E6 | 3500 K |
|                                                             |           |                                               | 6C1,6C2,6C3,6C4,6D1,6D2,6D3,6D4,7A1,7A2,7A3,7A4,7B1,7B2,7B3,7B4 | MX6AWT-H1-0000-0009F7 | 3200 K |
|                                                             |           |                                               | 7A1,7A2,7A3,7A4,7B1,7B2,7B3,7B4,7C1,7C2,7C3,7C4,7D1,7D2,7D3,7D4 | MX6AWT-H1-0000-0009E7 | 3000 K |
|                                                             |           |                                               | 7C1,7C2,7C3,7C4,7D1,7D2,7D3,7D4,8A1,8A2,8A3,8A4,8B1,8B2,8B3,8B4 | MX6AWT-H1-0000-0009F8 | 2900 K |
|                                                             |           |                                               | 8A1,8A2,8A3,8A4,8B1,8B2,8B3,8B4,8C1,8C2,8C3,8C4,8D1,8D2,8D3,8D4 | MX6AWT-H1-0000-0009E8 | 2700 K |
| Q2                                                          | 87.4      | 100                                           | 4C,4D,5A1,5A2,5A3,5A4,5B1,5B2,5B3,5B4                           | MX6AWT-H1-0000-000AF5 | 4300 K |
|                                                             |           |                                               | 5A1,5A2,5A3,5A4,5B1,5B2,5B3,5B4,5C1,5C2,5C3,5C4,5D1,5D2,5D3,5D4 | MX6AWT-H1-0000-000AE5 | 4000 K |
|                                                             |           |                                               | 5C1,5C2,5C3,5C4,5D1,5D2,5D3,5D4,6A1,6A2,6A3,6A4,6B1,6B2,6B3,6B4 | MX6AWT-H1-0000-000AF6 | 3700 K |
|                                                             |           |                                               | 6A1,6A2,6A3,6A4,6B1,6B2,6B3,6B4,6C1,6C2,6C3,6C4,6D1,6D2,6D3,6D4 | MX6AWT-H1-0000-000AE6 | 3500 K |
|                                                             |           |                                               | 6C1,6C2,6C3,6C4,6D1,6D2,6D3,6D4,7A1,7A2,7A3,7A4,7B1,7B2,7B3,7B4 | MX6AWT-H1-0000-000AF7 | 3200 K |
|                                                             |           |                                               | 7A1,7A2,7A3,7A4,7B1,7B2,7B3,7B4,7C1,7C2,7C3,7C4,7D1,7D2,7D3,7D4 | MX6AWT-H1-0000-000AE7 | 3000 K |
|                                                             |           |                                               | 7C1,7C2,7C3,7C4,7D1,7D2,7D3,7D4,8A1,8A2,8A3,8A4,8B1,8B2,8B3,8B4 | MX6AWT-H1-0000-000AF8 | 2900 K |
|                                                             |           |                                               | 8A1,8A2,8A3,8A4,8B1,8B2,8B3,8B4,8C1,8C2,8C3,8C4,8D1,8D2,8D3,8D4 | MX6AWT-H1-0000-000AE8 | 2700 K |

\* Cree XLamp MX-6 order codes specify only a minimum flux bin and not a maximum. Cree may ship reels in flux bins higher than the minimum specified by the order code without advance notice. Shipments will always adhere to the chromaticity or DWL bin restrictions specified by the order code.

\*\* Calculated values for reference purposes only.

**STANDARD ORDER CODES AND BINS (MX-6 80-CRI MINIMUM, WHITE) - CONTINUED**

| XLamp MX-6 LED Standard Order Codes - 80-CRI Minimum, White |           |                                                  |                                                                 |                       |        |
|-------------------------------------------------------------|-----------|--------------------------------------------------|-----------------------------------------------------------------|-----------------------|--------|
| Min. Luminous Flux (lm)<br>@ 300 mA*                        |           | Calculated Min. Luminous Flux (lm)<br>@ 350 mA** | Chromaticity Regions                                            | Order Code            | CCT    |
| Group                                                       | Flux (lm) | Flux (lm)                                        |                                                                 |                       |        |
| Warm White (2,600 K – 4,300 K)                              |           |                                                  |                                                                 |                       |        |
| Q3                                                          | 93.9      | 107                                              | 4C,4D,5A1,5A2,5A3,5A4,5B1,5B2,5B3,5B4                           | MX6AWT-H1-0000-000BF5 | 4300 K |
|                                                             |           |                                                  | 5A1,5A2,5A3,5A4,5B1,5B2,5B3,5B4,5C1,5C2,5C3,5C4,5D1,5D2,5D3,5D4 | MX6AWT-H1-0000-000BE5 | 4000 K |
|                                                             |           |                                                  | 5C1,5C2,5C3,5C4,5D1,5D2,5D3,5D4,6A1,6A2,6A3,6A4,6B1,6B2,6B3,6B4 | MX6AWT-H1-0000-000BF6 | 3700 K |
|                                                             |           |                                                  | 6A1,6A2,6A3,6A4,6B1,6B2,6B3,6B4,6C1,6C2,6C3,6C4,6D1,6D2,6D3,6D4 | MX6AWT-H1-0000-000BE6 | 3500 K |
|                                                             |           |                                                  | 6C1,6C2,6C3,6C4,6D1,6D2,6D3,6D4,7A1,7A2,7A3,7A4,7B1,7B2,7B3,7B4 | MX6AWT-H1-0000-000BF7 | 3200 K |
|                                                             |           |                                                  | 7A1,7A2,7A3,7A4,7B1,7B2,7B3,7B4,7C1,7C2,7C3,7C4,7D1,7D2,7D3,7D4 | MX6AWT-H1-0000-000BE7 | 3000 K |
| Q4                                                          | 100       | 114                                              | 4C,4D,5A1,5A2,5A3,5A4,5B1,5B2,5B3,5B4                           | MX6AWT-H1-0000-000CF5 | 4300 K |
|                                                             |           |                                                  | 5A1,5A2,5A3,5A4,5B1,5B2,5B3,5B4,5C1,5C2,5C3,5C4,5D1,5D2,5D3,5D4 | MX6AWT-H1-0000-000CE5 | 4000 K |

For other flux and chromaticity combinations, contact Cree or an authorized distributor.

**STANDARD ORDER CODES AND BINS (MX-6 OUTDOOR WARM WHITE)**

The following tables list standard kit numbers and performance bins. Kit numbers completely describe an order code's chromaticity regions and luminous flux range.

| XLamp MX-6 LED Standard Order Codes - Outdoor Warm White |           |                                                  |                                                                 |                       |        |
|----------------------------------------------------------|-----------|--------------------------------------------------|-----------------------------------------------------------------|-----------------------|--------|
| Min. Luminous Flux (lm)<br>@ 300 mA*                     |           | Calculated Min. Luminous Flux (lm)<br>@ 350 mA** | Chromaticity Regions                                            | Order Code            | CCT    |
| Group                                                    | Flux (lm) | Flux (lm)                                        |                                                                 |                       |        |
| Warm White (2,600 K – 4,300 K)                           |           |                                                  |                                                                 |                       |        |
| Q3                                                       | 93.9      | 107                                              | 7A1,7A2,7A3,7A4,7B1,7B2,7B3,7B4,7C1,7C2,7C3,7C4,7D1,7D2,7D3,7D4 | MX6AWT-01-0000-000BE7 | 3000 K |
| Q4                                                       | 100       | 114                                              | 7A1,7A2,7A3,7A4,7B1,7B2,7B3,7B4,7C1,7C2,7C3,7C4,7D1,7D2,7D3,7D4 | MX6AWT-01-0000-000CE7 | 3000 K |
| Q5                                                       | 107       | 122                                              | 7A1,7A2,7A3,7A4,7B1,7B2,7B3,7B4,7C1,7C2,7C3,7C4,7D1,7D2,7D3,7D4 | MX6AWT-01-0000-000DE7 | 3000 K |

For other flux and chromaticity combinations, contact Cree or an authorized distributor.

\* Cree XLamp MX-6 order codes specify only a minimum flux bin and not a maximum. Cree may ship reels in flux bins higher than the minimum specified by the order code without advance notice. Shipments will always adhere to the chromaticity or DWL bin restrictions specified by the order code.

\*\* Calculated values for reference purposes only.

## STANDARD ORDER CODES AND BINS (MX-6 WARM WHITE)

The following tables list standard kit numbers and performance bins. Kit numbers completely describe an order code's chromaticity regions and luminous flux range.

| XLamp MX-6 LED Standard Order Codes - Warm White |           |                                               |                                                                 |                       |        |
|--------------------------------------------------|-----------|-----------------------------------------------|-----------------------------------------------------------------|-----------------------|--------|
| Min. Luminous Flux (lm) @ 300 mA*                |           | Calculated Min. Luminous Flux (lm) @ 350 mA** | Chromaticity Regions                                            | Order Code            | CCT    |
| Group                                            | Flux (lm) | Flux (lm)                                     |                                                                 |                       |        |
| Warm White (2,600 K – 4,300 K)                   |           |                                               |                                                                 |                       |        |
| P2                                               | 67.2      | 77                                            | 7C1,7C2,7C3,7C4,7D1,7D2,7D3,7D4,8A1,8A2,8A3,8A4,8B1,8B2,8B3,8B4 | MX6AWT-A1-0000-0007F8 | 2900 K |
|                                                  |           |                                               | 8A1,8A2,8A3,8A4,8B1,8B2,8B3,8B4,8C1,8C2,8C3,8C4,8D1,8D2,8D3,8D4 | MX6AWT-A1-0000-0007E8 | 2700 K |
| P3                                               | 73.9      | 84                                            | 6C1,6C2,6C3,6C4,6D1,6D2,6D3,6D4,7A1,7A2,7A3,7A4,7B1,7B2,7B3,7B4 | MX6AWT-A1-0000-0008F7 | 3200 K |
|                                                  |           |                                               | 7A1,7A2,7A3,7A4,7B1,7B2,7B3,7B4,7C1,7C2,7C3,7C4,7D1,7D2,7D3,7D4 | MX6AWT-A1-0000-0008E7 | 3000 K |
|                                                  |           |                                               | 7C1,7C2,7C3,7C4,7D1,7D2,7D3,7D4,8A1,8A2,8A3,8A4,8B1,8B2,8B3,8B4 | MX6AWT-A1-0000-0008F8 | 2900 K |
|                                                  |           |                                               | 8A1,8A2,8A3,8A4,8B1,8B2,8B3,8B4,8C1,8C2,8C3,8C4,8D1,8D2,8D3,8D4 | MX6AWT-A1-0000-0008E8 | 2700 K |
|                                                  |           |                                               | 4C,4D,5A1,5A2,5A3,5A4,5B1,5B2,5B3,5B4                           | MX6AWT-A1-0000-0009F5 | 4300 K |
| P4                                               | 80.6      | 92                                            | 5A1,5A2,5A3,5A4,5B1,5B2,5B3,5B4,5C1,5C2,5C3,5C4,5D1,5D2,5D3,5D4 | MX6AWT-A1-0000-0009E5 | 4000 K |
|                                                  |           |                                               | 6A1,6A2,6A3,6A4,6B1,6B2,6B3,6B4,6C1,6C2,6C3,6C4,6D1,6D2,6D3,6D4 | MX6AWT-A1-0000-0009E6 | 3500 K |
|                                                  |           |                                               | 6C1,6C2,6C3,6C4,6D1,6D2,6D3,6D4,7A1,7A2,7A3,7A4,7B1,7B2,7B3,7B4 | MX6AWT-A1-0000-0009F7 | 3200 K |
|                                                  |           |                                               | 7A1,7A2,7A3,7A4,7B1,7B2,7B3,7B4,7C1,7C2,7C3,7C4,7D1,7D2,7D3,7D4 | MX6AWT-A1-0000-0009E7 | 3000 K |
|                                                  |           |                                               | 7C1,7C2,7C3,7C4,7D1,7D2,7D3,7D4,8A1,8A2,8A3,8A4,8B1,8B2,8B3,8B4 | MX6AWT-A1-0000-0009F8 | 2900 K |
|                                                  |           |                                               | 8A1,8A2,8A3,8A4,8B1,8B2,8B3,8B4,8C1,8C2,8C3,8C4,8D1,8D2,8D3,8D4 | MX6AWT-A1-0000-0009E8 | 2700 K |
|                                                  |           |                                               | 4C,4D,5A1,5A2,5A3,5A4,5B1,5B2,5B3,5B4                           | MX6AWT-A1-0000-000AF5 | 4300 K |
| Q2                                               | 87.4      | 100                                           | 5A1,5A2,5A3,5A4,5B1,5B2,5B3,5B4,5C1,5C2,5C3,5C4,5D1,5D2,5D3,5D4 | MX6AWT-A1-0000-000AE5 | 4000 K |
|                                                  |           |                                               | 5C1,5C2,5C3,5C4,5D1,5D2,5D3,5D4,6A1,6A2,6A3,6A4,6B1,6B2,6B3,6B4 | MX6AWT-A1-0000-000AF6 | 3700 K |
|                                                  |           |                                               | 6A1,6A2,6A3,6A4,6B1,6B2,6B3,6B4,6C1,6C2,6C3,6C4,6D1,6D2,6D3,6D4 | MX6AWT-A1-0000-000AE6 | 3500 K |
|                                                  |           |                                               | 6C1,6C2,6C3,6C4,6D1,6D2,6D3,6D4,7A1,7A2,7A3,7A4,7B1,7B2,7B3,7B4 | MX6AWT-A1-0000-000AF7 | 3200 K |
|                                                  |           |                                               | 7A1,7A2,7A3,7A4,7B1,7B2,7B3,7B4,7C1,7C2,7C3,7C4,7D1,7D2,7D3,7D4 | MX6AWT-A1-0000-000AE7 | 3000 K |
|                                                  |           |                                               | 7C1,7C2,7C3,7C4,7D1,7D2,7D3,7D4,8A1,8A2,8A3,8A4,8B1,8B2,8B3,8B4 | MX6AWT-A1-0000-000AF8 | 2900 K |
|                                                  |           |                                               | 8A1,8A2,8A3,8A4,8B1,8B2,8B3,8B4,8C1,8C2,8C3,8C4,8D1,8D2,8D3,8D4 | MX6AWT-A1-0000-000AE8 | 2700 K |
|                                                  |           |                                               | 4C,4D,5A1,5A2,5A3,5A4,5B1,5B2,5B3,5B4                           | MX6AWT-A1-0000-000BF5 | 4300 K |
| Q3                                               | 93.9      | 107                                           | 5A1,5A2,5A3,5A4,5B1,5B2,5B3,5B4,5C1,5C2,5C3,5C4,5D1,5D2,5D3,5D4 | MX6AWT-A1-0000-000BE5 | 4000 K |
|                                                  |           |                                               | 5C1,5C2,5C3,5C4,5D1,5D2,5D3,5D4,6A1,6A2,6A3,6A4,6B1,6B2,6B3,6B4 | MX6AWT-A1-0000-000BF6 | 3700 K |
|                                                  |           |                                               | 6A1,6A2,6A3,6A4,6B1,6B2,6B3,6B4,6C1,6C2,6C3,6C4,6D1,6D2,6D3,6D4 | MX6AWT-A1-0000-000BE6 | 3500 K |
|                                                  |           |                                               | 6C1,6C2,6C3,6C4,6D1,6D2,6D3,6D4,7A1,7A2,7A3,7A4,7B1,7B2,7B3,7B4 | MX6AWT-A1-0000-000BF7 | 3200 K |
|                                                  |           |                                               | 7A1,7A2,7A3,7A4,7B1,7B2,7B3,7B4,7C1,7C2,7C3,7C4,7D1,7D2,7D3,7D4 | MX6AWT-A1-0000-000BE7 | 3000 K |
|                                                  |           |                                               | 4C,4D,5A1,5A2,5A3,5A4,5B1,5B2,5B3,5B4                           | MX6AWT-A1-0000-000CF5 | 4300 K |
| Q4                                               | 100       | 114                                           | 5A1,5A2,5A3,5A4,5B1,5B2,5B3,5B4,5C1,5C2,5C3,5C4,5D1,5D2,5D3,5D4 | MX6AWT-A1-0000-000CE5 | 4000 K |

For other flux and chromaticity combinations, contact Cree or an authorized distributor.

\* Cree XLamp MX-6 order codes specify only a minimum flux bin and not a maximum. Cree may ship reels in flux bins higher than the minimum specified by the order code without advance notice. Shipments will always adhere to the chromaticity or DWL bin restrictions specified by the order code.

\*\* Calculated values for reference purposes only.

## STANDARD ORDER CODES AND BINS (MX-6 2200 K, WARM WHITE)

The following tables list standard kit numbers and performance bins. Kit numbers completely describe an order code's chromaticity regions and luminous flux range.

| XLamp MX-6 LED Standard Order Codes - Warm White |           |                                                  |                                                                 |                       |        |
|--------------------------------------------------|-----------|--------------------------------------------------|-----------------------------------------------------------------|-----------------------|--------|
| Min. Luminous Flux (lm)<br>@ 300 mA*             |           | Calculated Min. Luminous Flux (lm)<br>@ 350 mA** | Chromaticity Regions                                            | Order Code            | CCT    |
| Group                                            | Flux (lm) | Flux (lm)                                        |                                                                 |                       |        |
| Warm White (2,200 K)                             |           |                                                  |                                                                 |                       |        |
| P2                                               | 67.2      | 77                                               | AA1,AA2,AA3,AA4,AB1,AB2,AB3,AB4,AC1,AC2,AC3,AC4,AD1,AD2,AD3,AD4 | MX6AWT-A1-0000-0007EA | 2200 K |
| P3                                               | 73.9      | 84                                               | AA1,AA2,AA3,AA4,AB1,AB2,AB3,AB4,AC1,AC2,AC3,AC4,AD1,AD2,AD3,AD4 | MX6AWT-A1-0000-0008EA | 2200 K |
| P4                                               | 80.6      | 92                                               | AA1,AA2,AA3,AA4,AB1,AB2,AB3,AB4,AC1,AC2,AC3,AC4,AD1,AD2,AD3,AD4 | MX6AWT-A1-0000-0009EA | 2200 K |

For other flux and chromaticity combinations, contact Cree or an authorized distributor.

\* Cree XLamp MX-6 order codes specify only a minimum flux bin and not a maximum. Cree may ship reels in flux bins higher than the minimum specified by the order code without advance notice. Shipments will always adhere to the chromaticity or DWL bin restrictions specified by the order code.

\*\* Calculated values for reference purposes only.

## STANDARD ORDER CODES AND BINS (MX-3S COOL WHITE)

The following tables list standard kit numbers and performance bins. Kit numbers completely describe an order code's chromaticity regions and luminous flux range.

| XLamp MX-3S LED Standard Order Codes - Cool White |           |                                                                                     |                       |        |
|---------------------------------------------------|-----------|-------------------------------------------------------------------------------------|-----------------------|--------|
| Min. Luminous Flux (lm)<br>@ 115 mA*              |           | Chromaticity Regions                                                                | Order Code            | CCT    |
| Group                                             | Flux (lm) |                                                                                     |                       |        |
| Cool White (4,300 K – 8,300 K)                    |           |                                                                                     |                       |        |
| Q2                                                | 87.4      | 2C,2D,2U,2T,3A,3B,3C,3D,3R,3S,3T,3U,4A,4B,4R,4S                                     | MX3SWT-A1-0000-000ADZ | 5000 K |
|                                                   |           | 3A,3B,3C,3D                                                                         | MX3SWT-A1-0000-000AE3 | 5000 K |
|                                                   |           | 3C,3D,4A,4B                                                                         | MX3SWT-A1-0000-000AF4 | 4750 K |
|                                                   |           | 4A,4B,4C,4D                                                                         | MX3SWT-A1-0000-000AE4 | 4500 K |
| Q3                                                | 93.9      | 0A,0B,0C,0D,0R,0S,0T,0U,1A,1B,1C,1D,1R,1S,1T,1U,2A,2B,2C,2D,2R,2S,2T,2U,3A,3B,3R,3S | MX3SWT-A1-0000-000B51 | 6500 K |
|                                                   |           | 1A,1B,1C,1D,1R,1S,1T,1U,2A,2B,2C,2D,2R,2S,2T,3A,3B,3S                               | MX3SWT-A1-0000-000B53 | 6000 K |
|                                                   |           | 1A,1B,1C,1D,2A,2B,2C,2D                                                             | MX3SWT-A1-0000-000B50 | 6000 K |
|                                                   |           | 2C,2D,2U,2T,3A,3B,3C,3D,3R,3S,3T,3U,4A,4B,4R,4S                                     | MX3SWT-A1-0000-000BDZ | 5000 K |
|                                                   |           | 3A,3B,3C,3D                                                                         | MX3SWT-A1-0000-000BE3 | 5000 K |
|                                                   |           | 3C,3D,4A,4B                                                                         | MX3SWT-A1-0000-000BF4 | 4750 K |
|                                                   |           | 4A,4B,4C,4D                                                                         | MX3SWT-A1-0000-000BE4 | 4500 K |
| Q4                                                | 100       | 0A,0B,0C,0D,0R,0S,0T,0U,1A,1B,1C,1D,1R,1S,1T,1U,2A,2B,2C,2D,2R,2S,2T,2U,3A,3B,3R,3S | MX3SWT-A1-0000-000C51 | 6500 K |
|                                                   |           | 1A,1B,1C,1D,1R,1S,1T,1U,2A,2B,2C,2D,2R,2S,2T,3A,3B,3S                               | MX3SWT-A1-0000-000C53 | 6000 K |
|                                                   |           | 1A,1B,1C,1D,2A,2B,2C,2D                                                             | MX3SWT-A1-0000-000C50 | 6000 K |
|                                                   |           | 2C,2D,2U,2T,3A,3B,3C,3D,3R,3S,3T,3U,4A,4B,4R,4S                                     | MX3SWT-A1-0000-000CDZ | 5000 K |
|                                                   |           | 3A,3B,3C,3D                                                                         | MX3SWT-A1-0000-000CE3 | 5000 K |
|                                                   |           | 3C,3D,4A,4B                                                                         | MX3SWT-A1-0000-000CF4 | 4750 K |
|                                                   |           | 4A,4B,4C,4D                                                                         | MX3SWT-A1-0000-000CE4 | 4500 K |
| Q5                                                | 107       | 0A,0B,0C,0D,0R,0S,0T,0U,1A,1B,1C,1D,1R,1S,1T,1U,2A,2B,2C,2D,2R,2S,2T,2U,3A,3B,3R,3S | MX3SWT-A1-0000-000D51 | 6500 K |
|                                                   |           | 1A,1B,1C,1D,1R,1S,1T,1U,2A,2B,2C,2D,2R,2S,2T,3A,3B,3S                               | MX3SWT-A1-0000-000D53 | 6000 K |
|                                                   |           | 1A,1B,1C,1D,2A,2B,2C,2D                                                             | MX3SWT-A1-0000-000D50 | 6000 K |
|                                                   |           | 2C,2D,2U,2T,3A,3B,3C,3D,3R,3S,3T,3U,4A,4B,4R,4S                                     | MX3SWT-A1-0000-000DDZ | 5000 K |
|                                                   |           | 3A,3B,3C,3D                                                                         | MX3SWT-A1-0000-000DE3 | 5000 K |
|                                                   |           | 3C,3D,4A,4B                                                                         | MX3SWT-A1-0000-000DF4 | 4750 K |
|                                                   |           | 4A,4B,4C,4D                                                                         | MX3SWT-A1-0000-000DE4 | 4500 K |
| R2                                                | 114       | 0A,0B,0C,0D,0R,0S,0T,0U,1A,1B,1C,1D,1R,1S,1T,1U,2A,2B,2C,2D,2R,2S,2T,2U,3A,3B,3R,3S | MX3SWT-A1-0000-000E51 | 6500 K |
|                                                   |           | 1A,1B,1C,1D,1R,1S,1T,1U,2A,2B,2C,2D,2R,2S,2T,3A,3B,3S                               | MX3SWT-A1-0000-000E53 | 6000 K |
|                                                   |           | 1A,1B,1C,1D,2A,2B,2C,2D                                                             | MX3SWT-A1-0000-000E50 | 6000 K |

For other flux and chromaticity combinations, contact Cree or an authorized distributor.

\* Cree XLamp MX-3S order codes specify only a minimum flux bin and not a maximum. Cree may ship reels in flux bins higher than the minimum specified by the order code without advance notice. Shipments will always adhere to the chromaticity or DWL bin restrictions specified by the order code.

## STANDARD ORDER CODES AND BINS (MX-3S WARM WHITE)

The following tables list standard kit numbers and performance bins. Kit numbers completely describe an order code's chromaticity regions and luminous flux range.

| XLamp MX-3S LED Standard Order Codes - Warm White |           |                                                                 |                       |        |
|---------------------------------------------------|-----------|-----------------------------------------------------------------|-----------------------|--------|
| Min. Luminous Flux (lm) @ 115 mA*                 |           | Chromaticity Regions                                            | Order Code            | CCT    |
| Group                                             | Flux (lm) |                                                                 |                       |        |
| Warm White (2,600 K – 4,300 K)                    |           |                                                                 |                       |        |
| P2                                                | 67.2      | 7C1,7C2,7C3,7C4,7D1,7D2,7D3,7D4,8A1,8A2,8A3,8A4,8B1,8B2,8B3,8B4 | MX3SWT-A1-0000-0007F8 | 2900 K |
|                                                   |           | 8A1,8A2,8A3,8A4,8B1,8B2,8B3,8B4,8C1,8C2,8C3,8C4,8D1,8D2,8D3,8D4 | MX3SWT-A1-0000-0007E8 | 2700 K |
| P3                                                | 73.9      | 5C1,5C2,5C3,5C4,5D1,5D2,5D3,5D4,6A1,6A2,6A3,6A4,6B1,6B2,6B3,6B4 | MX3SWT-A1-0000-0008F6 | 3700 K |
|                                                   |           | 6A1,6A2,6A3,6A4,6B1,6B2,6B3,6B4,6C1,6C2,6C3,6C4,6D1,6D2,6D3,6D4 | MX3SWT-A1-0000-0008E6 | 3500 K |
|                                                   |           | 6C1,6C2,6C3,6C4,6D1,6D2,6D3,6D4,7A1,7A2,7A3,7A4,7B1,7B2,7B3,7B4 | MX3SWT-A1-0000-0008F7 | 3200 K |
|                                                   |           | 7A1,7A2,7A3,7A4,7B1,7B2,7B3,7B4,7C1,7C2,7C3,7C4,7D1,7D2,7D3,7D4 | MX3SWT-A1-0000-0008E7 | 3000 K |
|                                                   |           | 7C1,7C2,7C3,7C4,7D1,7D2,7D3,7D4,8A1,8A2,8A3,8A4,8B1,8B2,8B3,8B4 | MX3SWT-A1-0000-0008F8 | 2900 K |
|                                                   |           | 8A1,8A2,8A3,8A4,8B1,8B2,8B3,8B4,8C1,8C2,8C3,8C4,8D1,8D2,8D3,8D4 | MX3SWT-A1-0000-0008E8 | 2700 K |
| P4                                                | 80.6      | 5C1,5C2,5C3,5C4,5D1,5D2,5D3,5D4,6A1,6A2,6A3,6A4,6B1,6B2,6B3,6B4 | MX3SWT-A1-0000-0009F6 | 3700 K |
|                                                   |           | 6A1,6A2,6A3,6A4,6B1,6B2,6B3,6B4,6C1,6C2,6C3,6C4,6D1,6D2,6D3,6D4 | MX3SWT-A1-0000-0009E6 | 3500 K |
|                                                   |           | 6C1,6C2,6C3,6C4,6D1,6D2,6D3,6D4,7A1,7A2,7A3,7A4,7B1,7B2,7B3,7B4 | MX3SWT-A1-0000-0009F7 | 3200 K |
|                                                   |           | 7A1,7A2,7A3,7A4,7B1,7B2,7B3,7B4,7C1,7C2,7C3,7C4,7D1,7D2,7D3,7D4 | MX3SWT-A1-0000-0009E7 | 3000 K |
|                                                   |           | 7C1,7C2,7C3,7C4,7D1,7D2,7D3,7D4,8A1,8A2,8A3,8A4,8B1,8B2,8B3,8B4 | MX3SWT-A1-0000-0009F8 | 2900 K |
|                                                   |           | 8A1,8A2,8A3,8A4,8B1,8B2,8B3,8B4,8C1,8C2,8C3,8C4,8D1,8D2,8D3,8D4 | MX3SWT-A1-0000-0009E8 | 2700 K |
| Q2                                                | 87.4      | 5A1,5A2,5A3,5A4,5B1,5B2,5B3,5B4,5C1,5C2,5C3,5C4,5D1,5D2,5D3,5D4 | MX3SWT-A1-0000-000AE5 | 4000 K |
|                                                   |           | 5C1,5C2,5C3,5C4,5D1,5D2,5D3,5D4,6A1,6A2,6A3,6A4,6B1,6B2,6B3,6B4 | MX3SWT-A1-0000-000AF6 | 3700 K |
|                                                   |           | 6A1,6A2,6A3,6A4,6B1,6B2,6B3,6B4,6C1,6C2,6C3,6C4,6D1,6D2,6D3,6D4 | MX3SWT-A1-0000-000AE6 | 3500 K |
|                                                   |           | 6C1,6C2,6C3,6C4,6D1,6D2,6D3,6D4,7A1,7A2,7A3,7A4,7B1,7B2,7B3,7B4 | MX3SWT-A1-0000-000AF7 | 3200 K |
|                                                   |           | 7A1,7A2,7A3,7A4,7B1,7B2,7B3,7B4,7C1,7C2,7C3,7C4,7D1,7D2,7D3,7D4 | MX3SWT-A1-0000-000AE7 | 3000 K |
|                                                   |           | 7C1,7C2,7C3,7C4,7D1,7D2,7D3,7D4,8A1,8A2,8A3,8A4,8B1,8B2,8B3,8B4 | MX3SWT-A1-0000-000AF8 | 2900 K |
| Q3                                                | 93.9      | 8A1,8A2,8A3,8A4,8B1,8B2,8B3,8B4,8C1,8C2,8C3,8C4,8D1,8D2,8D3,8D4 | MX3SWT-A1-0000-000AE8 | 2700 K |
|                                                   |           | 5A1,5A2,5A3,5A4,5B1,5B2,5B3,5B4,5C1,5C2,5C3,5C4,5D1,5D2,5D3,5D4 | MX3SWT-A1-0000-000BE5 | 4000 K |
|                                                   |           | 5C1,5C2,5C3,5C4,5D1,5D2,5D3,5D4,6A1,6A2,6A3,6A4,6B1,6B2,6B3,6B4 | MX3SWT-A1-0000-000BF6 | 3700 K |
|                                                   |           | 6A1,6A2,6A3,6A4,6B1,6B2,6B3,6B4,6C1,6C2,6C3,6C4,6D1,6D2,6D3,6D4 | MX3SWT-A1-0000-000BE6 | 3500 K |
|                                                   |           | 6C1,6C2,6C3,6C4,6D1,6D2,6D3,6D4,7A1,7A2,7A3,7A4,7B1,7B2,7B3,7B4 | MX3SWT-A1-0000-000BF7 | 3200 K |
| Q4                                                | 100       | 7A1,7A2,7A3,7A4,7B1,7B2,7B3,7B4,7C1,7C2,7C3,7C4,7D1,7D2,7D3,7D4 | MX3SWT-A1-0000-000BE7 | 3000 K |
|                                                   |           | 4C,4D,5A1,5A2,5A3,5A4,5B1,5B2,5B3,5B4                           | MX3SWT-A1-0000-000CF5 | 4200 K |
|                                                   |           | 5A1,5A2,5A3,5A4,5B1,5B2,5B3,5B4,5C1,5C2,5C3,5C4,5D1,5D2,5D3,5D4 | MX3SWT-A1-0000-000CE5 | 4000 K |

For other flux and chromaticity combinations, contact Cree or an authorized distributor.

\* Cree XLamp MX-3S order codes specify only a minimum flux bin and not a maximum. Cree may ship reels in flux bins higher than the minimum specified by the order code without advance notice. Shipments will always adhere to the chromaticity or DWL bin restrictions specified by the order code.

## STANDARD ORDER CODES AND BINS (MX-6S COOL WHITE)

The following tables list standard kit numbers and performance bins. Kit numbers completely describe an order code's chromaticity regions and luminous flux range.

| XLamp MX-6S LED Standard Order Codes - Cool White |           |                                                                                     |                       |        |
|---------------------------------------------------|-----------|-------------------------------------------------------------------------------------|-----------------------|--------|
| Min. Luminous Flux (lm) @ 60 mA*                  |           | Chromaticity Region                                                                 | Order Code            | CCT    |
| Group                                             | Flux (lm) |                                                                                     |                       |        |
| Cool White (4,300 K – 8,300 K)                    |           |                                                                                     |                       |        |
| Q4                                                | 100       | 2C,2D,2U,2T,3A,3B,3C,3D,3R,3S,3T,3U,4A,4B,4R,4S                                     | MX6SWT-A1-0000-000CDZ | 5000 K |
|                                                   |           | 3A,3B,3C,3D                                                                         | MX6SWT-A1-0000-000CE3 | 5000 K |
|                                                   |           | 3C,3D,4A,4B                                                                         | MX6SWT-A1-0000-000CF4 | 4750 K |
|                                                   |           | 4A,4B,4C,4D                                                                         | MX6SWT-A1-0000-000CE4 | 4500 K |
| Q5                                                | 107       | 0A,0B,0C,0D,0R,0S,0T,0U,1A,1B,1C,1D,1R,1S,1T,1U,2A,2B,2C,2D,2R,2S,2T,2U,3A,3B,3R,3S | MX6SWT-A1-0000-000D51 | 6500 K |
|                                                   |           | 1A,1B,1C,1D,1R,1S,1T,1U,2A,2B,2C,2D,2R,2S,2T,3A,3B,3S                               | MX6SWT-A1-0000-000D53 | 6000 K |
|                                                   |           | 1A,1B,1C,1D,2A,2B,2C,2D                                                             | MX6SWT-A1-0000-000D50 | 6000 K |
|                                                   |           | 2C,2D,2U,2T,3A,3B,3C,3D,3R,3S,3T,3U,4A,4B,4R,4S                                     | MX6SWT-A1-0000-000DDZ | 5000 K |
|                                                   |           | 3A,3B,3C,3D                                                                         | MX6SWT-A1-0000-000DE3 | 5000 K |
|                                                   |           | 3C,3D,4A,4B                                                                         | MX6SWT-A1-0000-000DF4 | 4750 K |
|                                                   |           | 4A,4B,4C,4D                                                                         | MX6SWT-A1-0000-000DE4 | 4500 K |
| R2                                                | 114       | 0A,0B,0C,0D,0R,0S,0T,0U,1A,1B,1C,1D,1R,1S,1T,1U,2A,2B,2C,2D,2R,2S,2T,2U,3A,3B,3R,3S | MX6SWT-A1-0000-000E51 | 6500 K |
|                                                   |           | 1A,1B,1C,1D,1R,1S,1T,1U,2A,2B,2C,2D,2R,2S,2T,3A,3B,3S                               | MX6SWT-A1-0000-000E53 | 6000 K |
|                                                   |           | 1A,1B,1C,1D,2A,2B,2C,2D                                                             | MX6SWT-A1-0000-000E50 | 6000 K |
|                                                   |           | 2C,2D,2U,2T,3A,3B,3C,3D,3R,3S,3T,3U,4A,4B,4R,4S                                     | MX6SWT-A1-0000-000EDZ | 5000 K |
|                                                   |           | 3A,3B,3C,3D                                                                         | MX6SWT-A1-0000-000EE3 | 5000 K |
|                                                   |           | 3C,3D,4A,4B                                                                         | MX6SWT-A1-0000-000EF4 | 4750 K |
|                                                   |           | 4A,4B,4C,4D                                                                         | MX6SWT-A1-0000-000EE4 | 4500 K |
| R3                                                | 122       | 0A,0B,0C,0D,0R,0S,0T,0U,1A,1B,1C,1D,1R,1S,1T,1U,2A,2B,2C,2D,2R,2S,2T,2U,3A,3B,3R,3S | MX6SWT-A1-0000-000F51 | 6500 K |
|                                                   |           | 1A,1B,1C,1D,1R,1S,1T,1U,2A,2B,2C,2D,2R,2S,2T,3A,3B,3S                               | MX6SWT-A1-0000-000F53 | 6000 K |
|                                                   |           | 1A,1B,1C,1D,2A,2B,2C,2D                                                             | MX6SWT-A1-0000-000F50 | 6000 K |
|                                                   |           | 2C,2D,2U,2T,3A,3B,3C,3D,3R,3S,3T,3U,4A,4B,4R,4S                                     | MX6SWT-A1-0000-000FDZ | 5000 K |
|                                                   |           | 3A,3B,3C,3D                                                                         | MX6SWT-A1-0000-000FE3 | 5000 K |
|                                                   |           | 3C,3D,4A,4B                                                                         | MX6SWT-A1-0000-000FF4 | 4750 K |
|                                                   |           | 4A,4B,4C,4D                                                                         | MX6SWT-A1-0000-000FE4 | 4500 K |
| R4                                                | 130       | 0A,0B,0C,0D,0R,0S,0T,0U,1A,1B,1C,1D,1R,1S,1T,1U,2A,2B,2C,2D,2R,2S,2T,2U,3A,3B,3R,3S | MX6SWT-A1-0000-000G51 | 6500 K |
|                                                   |           | 1A,1B,1C,1D,1R,1S,1T,1U,2A,2B,2C,2D,2R,2S,2T,3A,3B,3S                               | MX6SWT-A1-0000-000G53 | 6000 K |
|                                                   |           | 1A,1B,1C,1D,2A,2B,2C,2D                                                             | MX6SWT-A1-0000-000G50 | 6000 K |

For other flux and chromaticity combinations, contact Cree or an authorized distributor.

\* Cree XLamp MX-6S order codes specify only a minimum flux bin and not a maximum. Cree may ship reels in flux bins higher than the minimum specified by the order code without advance notice. Shipments will always adhere to the chromaticity or DWL bin restrictions specified by the order code.

## STANDARD ORDER CODES AND BINS (MX-6S 80-CRI MINIMUM, COOL WHITE)

The following tables list standard kit numbers and performance bins. Kit numbers completely describe an order code's chromaticity regions and luminous flux range.

| XLamp MX-6S LED Standard Order Codes - 80-CRI Minimum, Cool White |           |                                                                                     |                       |        |
|-------------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------|-----------------------|--------|
| Min. Luminous Flux (lm)<br>@ 60 mA*                               |           | Chromaticity Region                                                                 | Order Code            | CCT    |
| Group                                                             | Flux (lm) |                                                                                     |                       |        |
| Cool White (4,300 K – 8,300 K)                                    |           |                                                                                     |                       |        |
| Q4                                                                | 100       | 2C,2D,2U,2T,3A,3B,3C,3D,3R,3S,3T,3U,4A,4B,4R,4S                                     | MX6SWT-H1-0000-000CDZ | 5000 K |
|                                                                   |           | 3A,3B,3C,3D                                                                         | MX6SWT-H1-0000-000CE3 | 5000 K |
|                                                                   |           | 3C,3D,4A,4B                                                                         | MX6SWT-H1-0000-000CF4 | 4750 K |
|                                                                   |           | 4A,4B,4C,4D                                                                         | MX6SWT-H1-0000-000CE4 | 4500 K |
| Q5                                                                | 107       | 0A,0B,0C,0D,0R,0S,0T,0U,1A,1B,1C,1D,1R,1S,1T,1U,2A,2B,2C,2D,2R,2S,2T,2U,3A,3B,3R,3S | MX6SWT-H1-0000-000D51 | 6500 K |
|                                                                   |           | 1A,1B,1C,1D,1R,1S,1T,1U,2A,2B,2C,2D,2R,2S,2T,3A,3B,3S                               | MX6SWT-H1-0000-000D53 | 6000 K |
|                                                                   |           | 1A,1B,1C,1D,2A,2B,2C,2D                                                             | MX6SWT-H1-0000-000D50 | 6000 K |
|                                                                   |           | 2C,2D,2U,2T,3A,3B,3C,3D,3R,3S,3T,3U,4A,4B,4R,4S                                     | MX6SWT-H1-0000-000DDZ | 5000 K |
|                                                                   |           | 3A,3B,3C,3D                                                                         | MX6SWT-H1-0000-000DE3 | 5000 K |
|                                                                   |           | 3C,3D,4A,4B                                                                         | MX6SWT-H1-0000-000DF4 | 4750 K |
|                                                                   |           | 4A,4B,4C,4D                                                                         | MX6SWT-H1-0000-000DE4 | 4500 K |
| R2                                                                | 114       | 0A,0B,0C,0D,0R,0S,0T,0U,1A,1B,1C,1D,1R,1S,1T,1U,2A,2B,2C,2D,2R,2S,2T,2U,3A,3B,3R,3S | MX6SWT-H1-0000-000E51 | 6500 K |
|                                                                   |           | 1A,1B,1C,1D,1R,1S,1T,1U,2A,2B,2C,2D,2R,2S,2T,3A,3B,3S                               | MX6SWT-H1-0000-000E53 | 6000 K |
|                                                                   |           | 1A,1B,1C,1D,2A,2B,2C,2D                                                             | MX6SWT-H1-0000-000E50 | 6000 K |
|                                                                   |           | 2C,2D,2U,2T,3A,3B,3C,3D,3R,3S,3T,3U,4A,4B,4R,4S                                     | MX6SWT-H1-0000-000EDZ | 5000 K |
|                                                                   |           | 3A,3B,3C,3D                                                                         | MX6SWT-H1-0000-000EE3 | 5000 K |
|                                                                   |           | 3C,3D,4A,4B                                                                         | MX6SWT-H1-0000-000EF4 | 4750 K |
|                                                                   |           | 4A,4B,4C,4D                                                                         | MX6SWT-H1-0000-000EE4 | 4500 K |
| R3                                                                | 122       | 0A,0B,0C,0D,0R,0S,0T,0U,1A,1B,1C,1D,1R,1S,1T,1U,2A,2B,2C,2D,2R,2S,2T,2U,3A,3B,3R,3S | MX6SWT-H1-0000-000F51 | 6500 K |
|                                                                   |           | 1A,1B,1C,1D,1R,1S,1T,1U,2A,2B,2C,2D,2R,2S,2T,3A,3B,3S                               | MX6SWT-H1-0000-000F53 | 6000 K |
|                                                                   |           | 1A,1B,1C,1D,2A,2B,2C,2D                                                             | MX6SWT-H1-0000-000F50 | 6000 K |
|                                                                   |           | 2C,2D,2U,2T,3A,3B,3C,3D,3R,3S,3T,3U,4A,4B,4R,4S                                     | MX6SWT-H1-0000-000FDZ | 5000 K |
|                                                                   |           | 3A,3B,3C,3D                                                                         | MX6SWT-H1-0000-000FE3 | 5000 K |
|                                                                   |           | 3C,3D,4A,4B                                                                         | MX6SWT-H1-0000-000FF4 | 4750 K |
|                                                                   |           | 4A,4B,4C,4D                                                                         | MX6SWT-H1-0000-000FE4 | 4500 K |

For other flux and chromaticity combinations, contact Cree or an authorized distributor.

\* Cree XLamp MX-6S order codes specify only a minimum flux bin and not a maximum. Cree may ship reels in flux bins higher than the minimum specified by the order code without advance notice. Shipments will always adhere to the chromaticity or DWL bin restrictions specified by the order code.

## STANDARD ORDER CODES AND BINS (MX-6S 80-CRI MINIMUM, WHITE)

The following tables list standard kit numbers and performance bins. Kit numbers completely describe an order code's chromaticity regions and luminous flux range.

| XLamp MX-6S LED Standard Order Codes - 80-CRI Minimum, White    |                       |                                                                 |                       |        |
|-----------------------------------------------------------------|-----------------------|-----------------------------------------------------------------|-----------------------|--------|
| Min. Luminous Flux (lm) @ 60 mA*                                |                       | Chromaticity Regions                                            | Order Code            | CCT    |
| Group                                                           | Flux (lm)             |                                                                 |                       |        |
| Warm White (2600 K – 4300 K)                                    |                       |                                                                 |                       |        |
| P3                                                              | 73.9                  | 7C1,7C2,7C3,7C4,7D1,7D2,7D3,7D4,8A1,8A2,8A3,8A4,8B1,8B2,8B3,8B4 | MX6SWT-H1-0000-0008F8 | 2900 K |
|                                                                 |                       | 8A1,8A2,8A3,8A4,8B1,8B2,8B3,8B4,8C1,8C2,8C3,8C4,8D1,8D2,8D3,8D4 | MX6SWT-H1-0000-0008E8 | 2700 K |
| P4                                                              | 80.6                  | 5C1,5C2,5C3,5C4,5D1,5D2,5D3,5D4,6A1,6A2,6A3,6A4,6B1,6B2,6B3,6B4 | MX6SWT-H1-0000-0009F6 | 3700 K |
|                                                                 |                       | 6A1,6A2,6A3,6A4,6B1,6B2,6B3,6B4,6C1,6C2,6C3,6C4,6D1,6D2,6D3,6D4 | MX6SWT-H1-0000-0009E6 | 3500 K |
|                                                                 |                       | 6C1,6C2,6C3,6C4,6D1,6D2,6D3,6D4,7A1,7A2,7A3,7A4,7B1,7B2,7B3,7B4 | MX6SWT-H1-0000-0009F7 | 3200 K |
|                                                                 |                       | 7A1,7A2,7A3,7A4,7B1,7B2,7B3,7B4,7C1,7C2,7C3,7C4,7D1,7D2,7D3,7D4 | MX6SWT-H1-0000-0009E7 | 3000 K |
|                                                                 |                       | 7C1,7C2,7C3,7C4,7D1,7D2,7D3,7D4,8A1,8A2,8A3,8A4,8B1,8B2,8B3,8B4 | MX6SWT-H1-0000-0009F8 | 2900 K |
|                                                                 |                       | 8A1,8A2,8A3,8A4,8B1,8B2,8B3,8B4,8C1,8C2,8C3,8C4,8D1,8D2,8D3,8D4 | MX6SWT-H1-0000-0009E8 | 2700 K |
|                                                                 |                       | 4C,4D,5A1,5A2,5A3,5A4,5B1,5B2,5B3,5B4                           | MX6SWT-H1-0000-000AF5 | 4200 K |
| Q2                                                              | 87.4                  | 5A1,5A2,5A3,5A4,5B1,5B2,5B3,5B4,5C1,5C2,5C3,5C4,5D1,5D2,5D3,5D4 | MX6SWT-H1-0000-000AE5 | 4000 K |
|                                                                 |                       | 5C1,5C2,5C3,5C4,5D1,5D2,5D3,5D4,6A1,6A2,6A3,6A4,6B1,6B2,6B3,6B4 | MX6SWT-H1-0000-000AF6 | 3700 K |
|                                                                 |                       | 6A1,6A2,6A3,6A4,6B1,6B2,6B3,6B4,6C1,6C2,6C3,6C4,6D1,6D2,6D3,6D4 | MX6SWT-H1-0000-000AE6 | 3500 K |
|                                                                 |                       | 6C1,6C2,6C3,6C4,6D1,6D2,6D3,6D4,7A1,7A2,7A3,7A4,7B1,7B2,7B3,7B4 | MX6SWT-H1-0000-000AF7 | 3200 K |
|                                                                 |                       | 7A1,7A2,7A3,7A4,7B1,7B2,7B3,7B4,7C1,7C2,7C3,7C4,7D1,7D2,7D3,7D4 | MX6SWT-H1-0000-000AE7 | 3000 K |
|                                                                 |                       | 7C1,7C2,7C3,7C4,7D1,7D2,7D3,7D4,8A1,8A2,8A3,8A4,8B1,8B2,8B3,8B4 | MX6SWT-H1-0000-000AF8 | 2900 K |
|                                                                 |                       | 8A1,8A2,8A3,8A4,8B1,8B2,8B3,8B4,8C1,8C2,8C3,8C4,8D1,8D2,8D3,8D4 | MX6SWT-H1-0000-000AE8 | 2700 K |
| Q3                                                              | 93.9                  | 4C,4D,5A1,5A2,5A3,5A4,5B1,5B2,5B3,5B4                           | MX6SWT-H1-0000-000BF5 | 4200 K |
|                                                                 |                       | 5A1,5A2,5A3,5A4,5B1,5B2,5B3,5B4,5C1,5C2,5C3,5C4,5D1,5D2,5D3,5D4 | MX6SWT-H1-0000-000BE5 | 4000 K |
|                                                                 |                       | 5C1,5C2,5C3,5C4,5D1,5D2,5D3,5D4,6A1,6A2,6A3,6A4,6B1,6B2,6B3,6B4 | MX6SWT-H1-0000-000BF6 | 3700 K |
|                                                                 |                       | 6A1,6A2,6A3,6A4,6B1,6B2,6B3,6B4,6C1,6C2,6C3,6C4,6D1,6D2,6D3,6D4 | MX6SWT-H1-0000-000BE6 | 3500 K |
|                                                                 |                       | 6C1,6C2,6C3,6C4,6D1,6D2,6D3,6D4,7A1,7A2,7A3,7A4,7B1,7B2,7B3,7B4 | MX6SWT-H1-0000-000BF7 | 3200 K |
|                                                                 |                       | 7A1,7A2,7A3,7A4,7B1,7B2,7B3,7B4,7C1,7C2,7C3,7C4,7D1,7D2,7D3,7D4 | MX6SWT-H1-0000-000BE7 | 3000 K |
|                                                                 |                       | 7C1,7C2,7C3,7C4,7D1,7D2,7D3,7D4,8A1,8A2,8A3,8A4,8B1,8B2,8B3,8B4 | MX6SWT-H1-0000-000BF8 | 2900 K |
| 8A1,8A2,8A3,8A4,8B1,8B2,8B3,8B4,8C1,8C2,8C3,8C4,8D1,8D2,8D3,8D4 | MX6SWT-H1-0000-000BE8 | 2700 K                                                          |                       |        |
| Q4                                                              | 100                   | 4C,4D,5A1,5A2,5A3,5A4,5B1,5B2,5B3,5B4                           | MX6SWT-H1-0000-000CF5 | 4200 K |
|                                                                 |                       | 5A1,5A2,5A3,5A4,5B1,5B2,5B3,5B4,5C1,5C2,5C3,5C4,5D1,5D2,5D3,5D4 | MX6SWT-H1-0000-000CE5 | 4000 K |
|                                                                 |                       | 5C1,5C2,5C3,5C4,5D1,5D2,5D3,5D4,6A1,6A2,6A3,6A4,6B1,6B2,6B3,6B4 | MX6SWT-H1-0000-000CF6 | 3700 K |
|                                                                 |                       | 6A1,6A2,6A3,6A4,6B1,6B2,6B3,6B4,6C1,6C2,6C3,6C4,6D1,6D2,6D3,6D4 | MX6SWT-H1-0000-000CE6 | 3500 K |
|                                                                 |                       | 6C1,6C2,6C3,6C4,6D1,6D2,6D3,6D4,7A1,7A2,7A3,7A4,7B1,7B2,7B3,7B4 | MX6SWT-H1-0000-000CF7 | 3200 K |
|                                                                 |                       | 7A1,7A2,7A3,7A4,7B1,7B2,7B3,7B4,7C1,7C2,7C3,7C4,7D1,7D2,7D3,7D4 | MX6SWT-H1-0000-000CE7 | 3000 K |
|                                                                 |                       | 7C1,7C2,7C3,7C4,7D1,7D2,7D3,7D4,8A1,8A2,8A3,8A4,8B1,8B2,8B3,8B4 | MX6AWT-H1-0000-000CF8 | 2900 K |
| 8A1,8A2,8A3,8A4,8B1,8B2,8B3,8B4,8C1,8C2,8C3,8C4,8D1,8D2,8D3,8D4 | MX6AWT-H1-0000-000CE8 | 2700 K                                                          |                       |        |

\* Cree XLamp MX-6S order codes specify only a minimum flux bin and not a maximum. Cree may ship reels in flux bins higher than the minimum specified by the order code without advance notice. Shipments will always adhere to the chromaticity or DWL bin restrictions specified by the order code.

**STANDARD ORDER CODES AND BINS (MX-6S 80-CRI MINIMUM, WHITE) - CONTINUED**

| XLamp MX-6S LED Standard Order Codes - 80-CRI Minimum, White |           |                                                                 |                       |        |
|--------------------------------------------------------------|-----------|-----------------------------------------------------------------|-----------------------|--------|
| Min. Luminous Flux (lm)<br>@ 60 mA*                          |           | Chromaticity Regions                                            | Order Code            | CCT    |
| Group                                                        | Flux (lm) |                                                                 |                       |        |
| Warm White (2600 K – 4300 K)                                 |           |                                                                 |                       |        |
| Q5                                                           | 107       | 4C,4D,5A1,5A2,5A3,5A4,5B1,5B2,5B3,5B4                           | MX6SWT-H1-0000-000DF5 | 4200 K |
|                                                              |           | 5A1,5A2,5A3,5A4,5B1,5B2,5B3,5B4,5C1,5C2,5C3,5C4,5D1,5D2,5D3,5D4 | MX6SWT-H1-0000-000DE5 | 4000 K |
|                                                              |           | 5C1,5C2,5C3,5C4,5D1,5D2,5D3,5D4,6A1,6A2,6A3,6A4,6B1,6B2,6B3,6B4 | MX6SWT-H1-0000-000DF6 | 3700 K |
|                                                              |           | 6A1,6A2,6A3,6A4,6B1,6B2,6B3,6B4,6C1,6C2,6C3,6C4,6D1,6D2,6D3,6D4 | MX6SWT-H1-0000-000DE6 | 3500 K |
|                                                              |           | 6C1,6C2,6C3,6C4,6D1,6D2,6D3,6D4,7A1,7A2,7A3,7A4,7B1,7B2,7B3,7B4 | MX6SWT-H1-0000-000DF7 | 3200 K |
|                                                              |           | 7A1,7A2,7A3,7A4,7B1,7B2,7B3,7B4,7C1,7C2,7C3,7C4,7D1,7D2,7D3,7D4 | MX6SWT-H1-0000-000DE7 | 3000 K |
| R2                                                           | 114       | 4C,4D,5A1,5A2,5A3,5A4,5B1,5B2,5B3,5B4                           | MX6SWT-H1-0000-000EF5 | 4200 K |
|                                                              |           | 5A1,5A2,5A3,5A4,5B1,5B2,5B3,5B4,5C1,5C2,5C3,5C4,5D1,5D2,5D3,5D4 | MX6SWT-H1-0000-000EE5 | 4000 K |

For other flux and chromaticity combinations, contact Cree or an authorized distributor.

\* Cree XLamp MX-6S order codes specify only a minimum flux bin and not a maximum. Cree may ship reels in flux bins higher than the minimum specified by the order code without advance notice. Shipments will always adhere to the chromaticity or DWL bin restrictions specified by the order code.

## STANDARD ORDER CODES AND BINS (MX-6S WARM WHITE)

The following tables list standard kit numbers and performance bins. Kit numbers completely describe an order code's chromaticity regions and luminous flux range.

| XLamp MX-6S LED Standard Order Codes - Warm White |           |                                                                 |                       |        |
|---------------------------------------------------|-----------|-----------------------------------------------------------------|-----------------------|--------|
| Min. Luminous Flux (lm) @ 60 mA*                  |           | Chromaticity Regions                                            | Order Code            | CCT    |
| Group                                             | Flux (lm) |                                                                 |                       |        |
| Warm White (2600 K – 4300 K)                      |           |                                                                 |                       |        |
| P4                                                | 80.6      | 7C1,7C2,7C3,7C4,7D1,7D2,7D3,7D4,8A1,8A2,8A3,8A4,8B1,8B2,8B3,8B4 | MX6SWT-A1-0000-0009F8 | 2900 K |
|                                                   |           | 8A1,8A2,8A3,8A4,8B1,8B2,8B3,8B4,8C1,8C2,8C3,8C4,8D1,8D2,8D3,8D4 | MX6SWT-A1-0000-0009E8 | 2700 K |
| Q2                                                | 87.4      | 6C1,6C2,6C3,6C4,6D1,6D2,6D3,6D4,7A1,7A2,7A3,7A4,7B1,7B2,7B3,7B4 | MX6SWT-A1-0000-000AF7 | 3200 K |
|                                                   |           | 7A1,7A2,7A3,7A4,7B1,7B2,7B3,7B4,7C1,7C2,7C3,7C4,7D1,7D2,7D3,7D4 | MX6SWT-A1-0000-000AE7 | 3000 K |
|                                                   |           | 7C1,7C2,7C3,7C4,7D1,7D2,7D3,7D4,8A1,8A2,8A3,8A4,8B1,8B2,8B3,8B4 | MX6SWT-A1-0000-000AF8 | 2900 K |
|                                                   |           | 8A1,8A2,8A3,8A4,8B1,8B2,8B3,8B4,8C1,8C2,8C3,8C4,8D1,8D2,8D3,8D4 | MX6SWT-A1-0000-000AE8 | 2700 K |
| Q3                                                | 93.9      | 5A1,5A2,5A3,5A4,5B1,5B2,5B3,5B4,5C1,5C2,5C3,5C4,5D1,5D2,5D3,5D4 | MX6SWT-A1-0000-000BE5 | 4000 K |
|                                                   |           | 5C1,5C2,5C3,5C4,5D1,5D2,5D3,5D4,6A1,6A2,6A3,6A4,6B1,6B2,6B3,6B4 | MX6SWT-A1-0000-000BF6 | 3700 K |
|                                                   |           | 6A1,6A2,6A3,6A4,6B1,6B2,6B3,6B4,6C1,6C2,6C3,6C4,6D1,6D2,6D3,6D4 | MX6SWT-A1-0000-000BE6 | 3500 K |
|                                                   |           | 6C1,6C2,6C3,6C4,6D1,6D2,6D3,6D4,7A1,7A2,7A3,7A4,7B1,7B2,7B3,7B4 | MX6SWT-A1-0000-000BF7 | 3200 K |
|                                                   |           | 7A1,7A2,7A3,7A4,7B1,7B2,7B3,7B4,7C1,7C2,7C3,7C4,7D1,7D2,7D3,7D4 | MX6SWT-A1-0000-000BE7 | 3000 K |
|                                                   |           | 7C1,7C2,7C3,7C4,7D1,7D2,7D3,7D4,8A1,8A2,8A3,8A4,8B1,8B2,8B3,8B4 | MX6SWT-A1-0000-000BF8 | 2900 K |
| Q4                                                | 100       | 8A1,8A2,8A3,8A4,8B1,8B2,8B3,8B4,8C1,8C2,8C3,8C4,8D1,8D2,8D3,8D4 | MX6SWT-A1-0000-000BE8 | 2700 K |
|                                                   |           | 5A1,5A2,5A3,5A4,5B1,5B2,5B3,5B4,5C1,5C2,5C3,5C4,5D1,5D2,5D3,5D4 | MX6SWT-A1-0000-000CE5 | 4000 K |
|                                                   |           | 5C1,5C2,5C3,5C4,5D1,5D2,5D3,5D4,6A1,6A2,6A3,6A4,6B1,6B2,6B3,6B4 | MX6SWT-A1-0000-000CF6 | 3700 K |
|                                                   |           | 6A1,6A2,6A3,6A4,6B1,6B2,6B3,6B4,6C1,6C2,6C3,6C4,6D1,6D2,6D3,6D4 | MX6SWT-A1-0000-000CE6 | 3500 K |
|                                                   |           | 6C1,6C2,6C3,6C4,6D1,6D2,6D3,6D4,7A1,7A2,7A3,7A4,7B1,7B2,7B3,7B4 | MX6SWT-A1-0000-000CF7 | 3200 K |
|                                                   |           | 7A1,7A2,7A3,7A4,7B1,7B2,7B3,7B4,7C1,7C2,7C3,7C4,7D1,7D2,7D3,7D4 | MX6SWT-A1-0000-000CE7 | 3000 K |
| Q5                                                | 107       | 7C1,7C2,7C3,7C4,7D1,7D2,7D3,7D4,8A1,8A2,8A3,8A4,8B1,8B2,8B3,8B4 | MX6SWT-A1-0000-000CF8 | 2900 K |
|                                                   |           | 8A1,8A2,8A3,8A4,8B1,8B2,8B3,8B4,8C1,8C2,8C3,8C4,8D1,8D2,8D3,8D4 | MX6SWT-A1-0000-000CE8 | 2700 K |
|                                                   |           | 5A1,5A2,5A3,5A4,5B1,5B2,5B3,5B4,5C1,5C2,5C3,5C4,5D1,5D2,5D3,5D4 | MX6SWT-A1-0000-000DE5 | 4000 K |
|                                                   |           | 5C1,5C2,5C3,5C4,5D1,5D2,5D3,5D4,6A1,6A2,6A3,6A4,6B1,6B2,6B3,6B4 | MX6SWT-A1-0000-000DF6 | 3700 K |
|                                                   |           | 6A1,6A2,6A3,6A4,6B1,6B2,6B3,6B4,6C1,6C2,6C3,6C4,6D1,6D2,6D3,6D4 | MX6SWT-A1-0000-000DE6 | 3500 K |
| R2                                                | 114       | 6C1,6C2,6C3,6C4,6D1,6D2,6D3,6D4,7A1,7A2,7A3,7A4,7B1,7B2,7B3,7B4 | MX6SWT-A1-0000-000DF7 | 3200 K |
|                                                   |           | 7A1,7A2,7A3,7A4,7B1,7B2,7B3,7B4,7C1,7C2,7C3,7C4,7D1,7D2,7D3,7D4 | MX6SWT-A1-0000-000DE7 | 2900 K |
| R2                                                | 114       | 4C,4D,5A1,5A2,5A3,5A4,5B1,5B2,5B3,5B4                           | MX6SWT-A1-0000-000EF5 | 4200 K |
|                                                   |           | 5A1,5A2,5A3,5A4,5B1,5B2,5B3,5B4,5C1,5C2,5C3,5C4,5D1,5D2,5D3,5D4 | MX6SWT-A1-0000-000EE5 | 4000 K |

For other flux and chromaticity combinations, contact Cree or an authorized distributor.

\* Cree XLamp MX-6S order codes specify only a minimum flux bin and not a maximum. Cree may ship reels in flux bins higher than the minimum specified by the order code without advance notice. Shipments will always adhere to the chromaticity or DWL bin restrictions specified by the order code.