

EdiLine/EdiPower[®]/EdiStar Bin Group

This document describes the product bin group required to select EdiLine/EdiPower[®]/EdiStar LEDs. All LEDs are tested and sorted by brightness and color into a unique bin. Each bin contains LEDs from one brightness and color group and is uniquely identified by a bin group code.

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Product Bin Group Code

The following table describes the luminous flux group and color group.

< Table 1 Bin group >

W W2
X1 X2

Group	
X1	luminous flux group
X2	color group

Photometric Luminous Flux Ranks

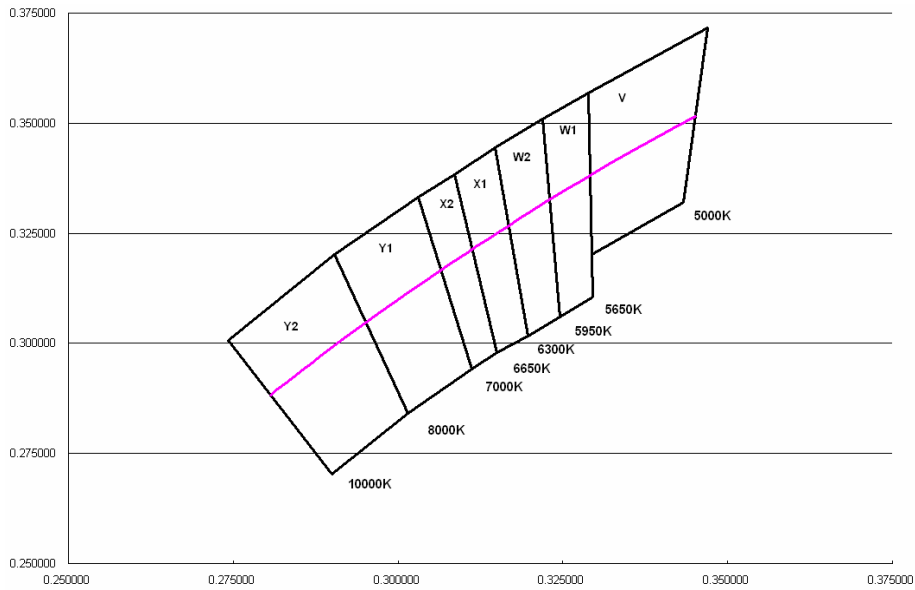
< Table 2 Photometric luminous flux group >

Group	Min.	Max.	Group	Min.	Max.
A	10	100	N	1790	2330
B	100	130	P	2330	3030
C	130	170	Q	3030	3940
D	170	220	R	3940	5120
E	220	290	S	5120	6650
F	290	370	T	6650	8650
G	370	480	U	8650	11250
H	480	630	V	11250	14620
J	630	820	W	14620	19000
K	820	1060	X	19000	24710
L	1060	1380	Y	24710	32120
M	1380	1790	Z	32120	41750

Note:
Units: lm

Color Ranks

Cool White Color Ranks

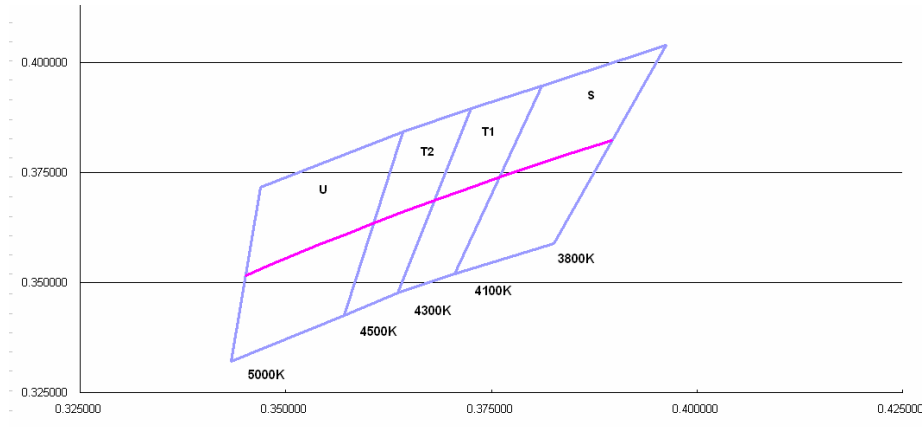


< Figure 1 CIE chromaticity diagram for white >

< Table 3 Color bin group for cool white >

Group	X	Y	Group	X	Y
Y2	0.274238	0.300667	W2	0.314792	0.344438
	0.290294	0.320122		0.321996	0.350954
	0.301542	0.284048		0.324598	0.305959
	0.289922	0.270316		0.319721	0.301703
Y1	0.290294	0.320122	W1	0.321996	0.350954
	0.303021	0.333108		0.328823	0.356817
	0.311163	0.294192		0.329544	0.310495
	0.301542	0.284048		0.324598	0.305959
X2	0.303021	0.333108	V	0.328823	0.356817
	0.308548	0.338308		0.346904	0.371742
	0.315034	0.297908		0.343352	0.332034
X1	0.311163	0.294192		0.329393	0.320211
	0.308548	0.338308			
	0.314792	0.344438			
	0.319721	0.301703			
	0.315034	0.297908			

Neutral White Color Ranks

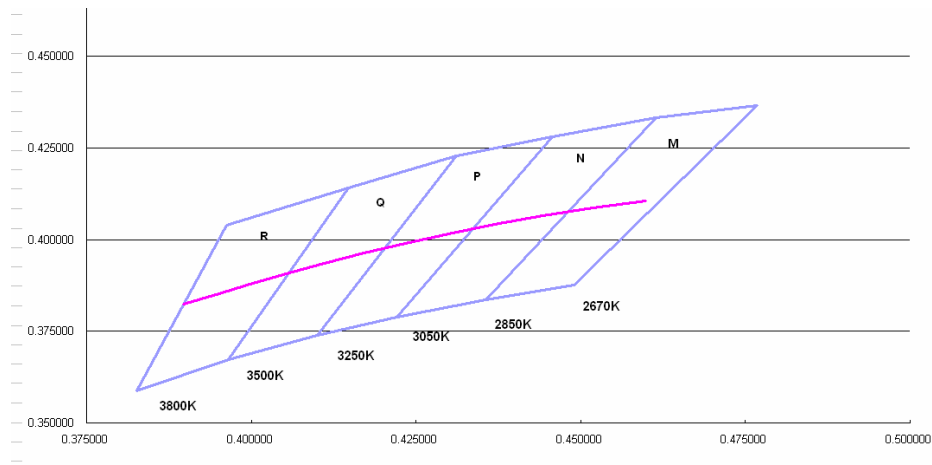


< Figure 2 CIE chromaticity diagram for neutral white >

< Table 4 Color bin group for neutral white >

Group	X	Y
U	0.346904	0.371742
	0.364212	0.384278
	0.357079	0.342581
	0.343352	0.332034
	0.364212	0.384278
T2	0.372545	0.389550
	0.363658	0.347650
	0.357079	0.342581
	0.372545	0.389550
T1	0.381106	0.394747
	0.370582	0.351953
	0.363658	0.347650
	0.381106	0.394747
S	0.396279	0.403908
	0.382598	0.358815
	0.370582	0.351953
	0.370582	0.351953

Warm White Color Ranks



< Figure 3 CIE chromaticity diagram for warm white >

< Table 5 Color bin group for warm white >

Group	X	Y
R	0.396279	0.403908
	0.414776	0.414097
	0.396564	0.367284
	0.382598	0.358815
	0.414776	0.414097
Q	0.431086	0.422986
	0.409996	0.373814
	0.396564	0.367284
P	0.431086	0.422986
	0.445639	0.428080
	0.422124	0.378952
	0.409996	0.373814
N	0.445639	0.428080
	0.461404	0.433334
	0.435591	0.383714
	0.422124	0.378952
M	0.461404	0.433334
	0.476733	0.436634
	0.448994	0.387515
	0.435591	0.383714