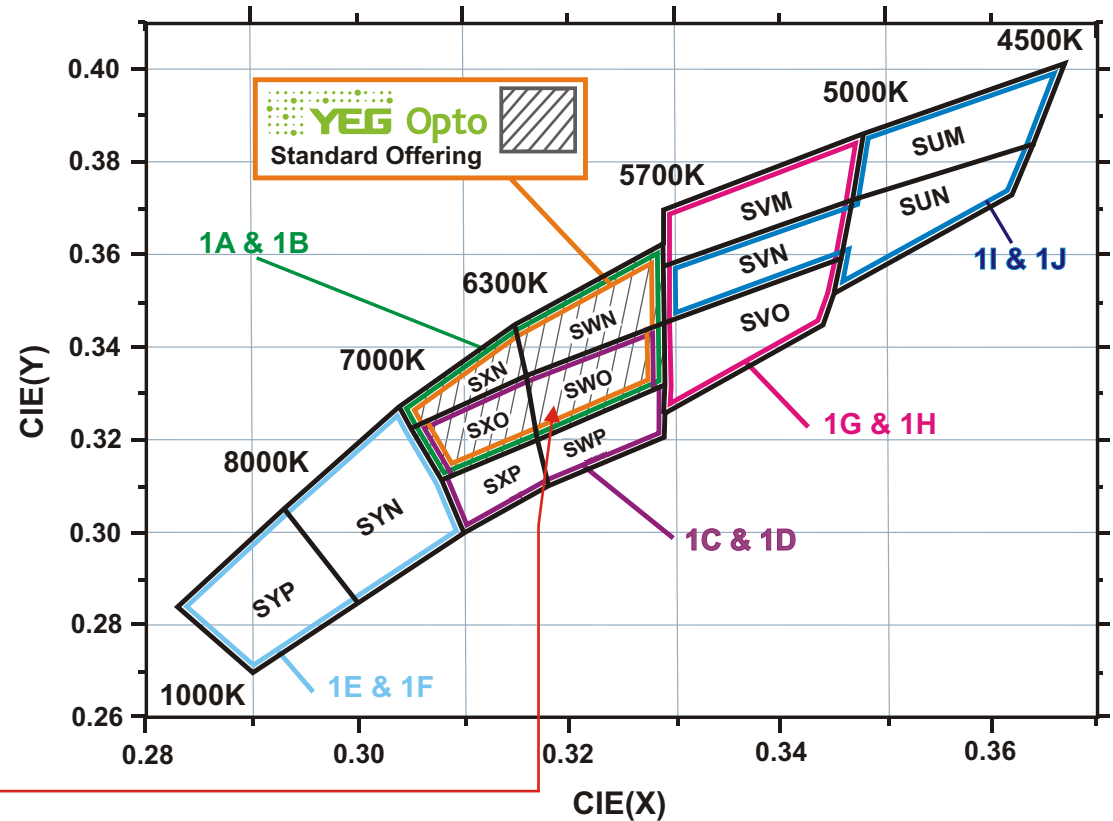


# Seoul Semiconductor Ranking and Bin Codes



| LUMINOUS FLUX |             |          |               |
|---------------|-------------|----------|---------------|
| Bin Code      | Flux Lm     | Bin Code | Flux Lm       |
| J             | 6.0 - 8.5   | T1       | 70.0 - 80.0   |
| K             | 8.5 - 11.0  | T2       | 80.0 - 91.0   |
| L             | 11.0 - 14.5 | U1       | 91.0 - 100.0  |
| M             | 14.5 - 19.0 | U2       | 100.0 - 110.0 |
| O             | 19.0 - 24.5 | V1       | 110.0 - 118.5 |
| P             | 25.5 - 32.0 | V2       | 118.5 - 154.0 |
| Q             | 32.0 - 41.5 | W        | 154.0 - 200.0 |
| R             | 41.5 - 54.0 | X        | 200.0 - 260.0 |
| S1            | 54.0 - 60.0 | Y        | 260.0 - 340.0 |
| S2            | 60.0 - 70.0 |          |               |

Pure white binning structure graphical representation



Ranking / Bin Code: U2 SWO G

| COLOUR WAVELENGTH (nm) |        |            |
|------------------------|--------|------------|
| Bin Code               | Colour | Wavelength |
| BB1                    | Blue   | 455 - 460  |
| BB2                    |        | 460 - 465  |
| BB3                    |        | 465 - 470  |
| BB4                    |        | 470 - 475  |
| GG1                    | Green  | 520 - 525  |
| GG2                    |        | 525 - 530  |
| GG3                    |        | 530 - 535  |
| RR1                    | Red    | 618 - 625  |
| RR2                    |        | 625 - 632  |

| FORWARD VOLTAGE |             |
|-----------------|-------------|
| Code            | Voltage     |
| D               | 2.00 - 2.25 |
| E               | 2.25 - 2.50 |
| F               | 2.50 - 2.75 |
| G               | 2.75 - 3.0  |
| H               | 3.00 - 3.25 |
| I               | 3.25 - 3.50 |
| J               | 3.50 - 3.75 |
| K               | 3.75 - 4.0  |
| L               | 4.00 - 4.25 |
| M               | 4.25 - 4.50 |

|                              |                                |                             |
|------------------------------|--------------------------------|-----------------------------|
| Pure White<br>4,500 - 10,000 | Natural White<br>3,500 - 4,500 | Warm White<br>2,650 - 3,500 |
| W                            | S                              | N                           |

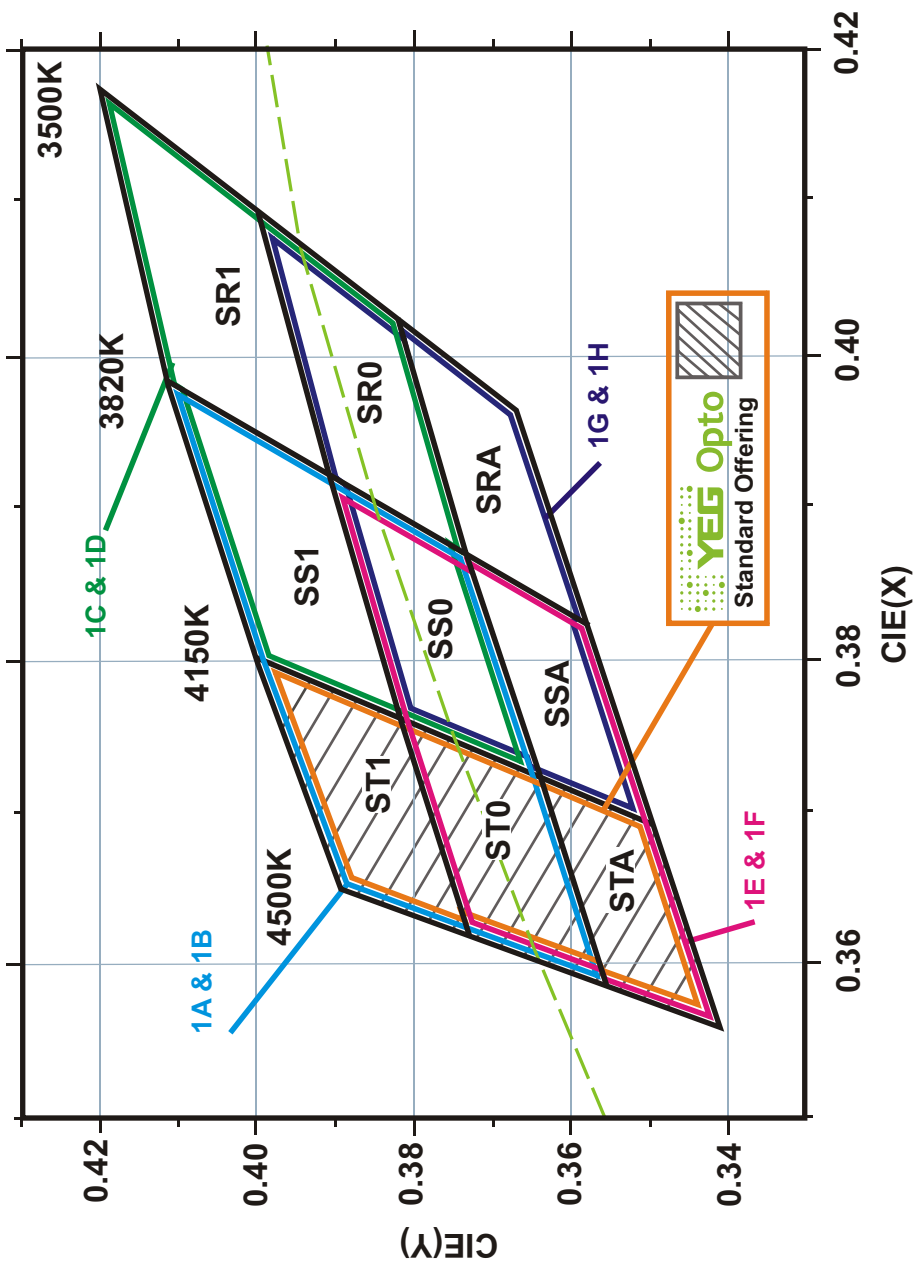
  

|     |       |       |      |             |
|-----|-------|-------|------|-------------|
| Red | Amber | Green | Blue | Full Colour |
| R   | A     | G     | B    | F           |

| X2 Series | X3 Lense Type    | X4 Chip Quality | X5 Package Size | X6 Package Type |
|-----------|------------------|-----------------|-----------------|-----------------|
| P3ii = S  | No Lens = 0      | 0.5W = 0        | 5mm = 5         | No PCB = 0      |
| P4 = 4    | 120 - 140° = 2   | 1W = 1          | +6mm = 6        | Star PCB = 2    |
| P5ii = 5  | Side Emitter = 3 | P5ii / Z2 = 3   | 8mm = 8         |                 |
| P7 = 7    | 93 = 9           | 10W = 4         | 12mm = C        |                 |
| P9 = 9    |                  |                 |                 |                 |
| Z1 = Z1   |                  |                 |                 |                 |
| Z2 = Z2   |                  |                 |                 |                 |

Code: W 4 2 1 8 0

Natural white binning structure graphical representation



Warm white binning structure graphical representation

