

Phosphor Converted Yellow LEDs




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Ideal for applications where higher temperature operating conditions may exist and help maximize warm lumen output for superior performance in demanding applications.



Phosphor Converted Yellow - LED Portfolio

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Part	Colors Available	Color Coordinates	Intensity Range (@ bin current)	Current - mA Bin / Max	Viewing Angle	Size - mm (L x W x H)
Advanced Power TOPLED®						
 LCY G6SP	CY	0.56, 0.42	3.55 - 7.1 cd	140 / 250	120°	3.3 x 3.0 x 1.9
OSLON® Black Flat						
 LCY H9PP	CY	0.57, 0.42	56 - 90 lm	350 / 700	120°	3.75 x 3.75 x 0.7
OSLON® Compact CL						
 LCY CEUP	CY	0.57, 0.42	125 - 224 lm	700 / 1000	120°	1.5 x 1.9 x 0.75
OSLON® Signal						
 LCY CLBP	CY	0.57, 0.42	82 - 150 lm	350 / 1000	125°	3.0 x 3.0 x 1.7
SYNIOS® P2720						
 KY DMLN31.FY KY DMLQ31.FY KY DMLS31.FY	Y (FY)	0.57, 0.42	22.4 - 40 lm 42.4 - 71 lm 94.9 - 159 lm	150 / 200 300 / 400 600 / 700	120°	2.75 x 2.0 x 0.6
TOPLED® Black Surface						
 LCY TWTG	CY	0.57, 0.42	970 - 1800 mcd	20 / 30	110°	3.2 x 2.8 x 1.83

Color Legend: CY=Converted Yellow, Y (FY)=Converted Yellow

Phosphor Converted (InGaN) vs. InGaAIP (example below)

- InGaN yellow chip technology**
 - Much less thermal roll-off at high temperatures
InGaN approx. –10% @ 80°C
InGaAIP approx. –55% @ 80°C
 - Reduced color shift
 - Potential of increased brightness from anticipated InGaN roadmap increases
 - Thermal performance, electrical characteristics will approximate white InGaN LEDs
- InGaAIP yellow chips have a strong dependency on temperature**
 - Higher thermal roll-off light reduction at higher operating temperatures
 - Greater color shift due to temperature shift
- InGaN yellow vs. InGaAIP yellow**
 - High temperature applications - InGaN yellow will likely be more effective
 - Low temperature / low power - InGaAIP yellow will likely be sufficient

