

# DATA SHEET

## GLV92C34341 Series

Part of the simpleLED® Program

## simpleLED GLV92C34341 SERIES

The light engine series consist of 12 mid-power LEDs. It is engineered to provide customers with the flexibility to select the optimal light source for their applications.

## FEATURES & BENEFIT

3 year manufacturer (GL-Lighting) warranty

High-reliability LED sources

Industry standard ANSI color binning

Color consistency targeting a 3-step MacAdam Ellipse

Multiple CCT's available

Wide operating drive current and temperature range

Short lead time

Boards are UL Recognized(PCB only) and CE certified

## TYPICAL APPLICATIONS

Down Lighting

Recessed Lighting

Flood Lighting

Track Lighting

Under-cabinet lighting

Note: All specifications are subject to change without notice.

## simpleLED GLV92C34341-GD12 WHITE SERIES

PARAMETER		CONDITIONS
PCB		MCPCB
Finish		White
Size		Dia 34mm
Source Type		Mid Power LED x 12
Connector	00	Solder Pad
	20	20cm UL1007 20Awg
Thermal Resistance (Junction to solder point)		Rth< 12 °C/W
Thermal Resistance (Tp to Ts)		0.227 °C/W
Thermal Resistance Of The Board (Tp to the bottom of Tp)		0.085 °C/W
CRI		Min. 80
Tp Maximum Temperature		80 °C

## PERFORMANCE SPECIFICATIONS (@ Ta=25 °C, Io=700mA)

CCT		3000K	3500K	4000K	5000K
Typical Light Output (lm)		750 lm	805lm	805 lm	820 lm
Efficacy (lm/w)	Min.	108	116	116	118
	Typ.	115	123	123	125
	Max.	124	133	133	136

## ELECTRICAL CHARACTERISTICS

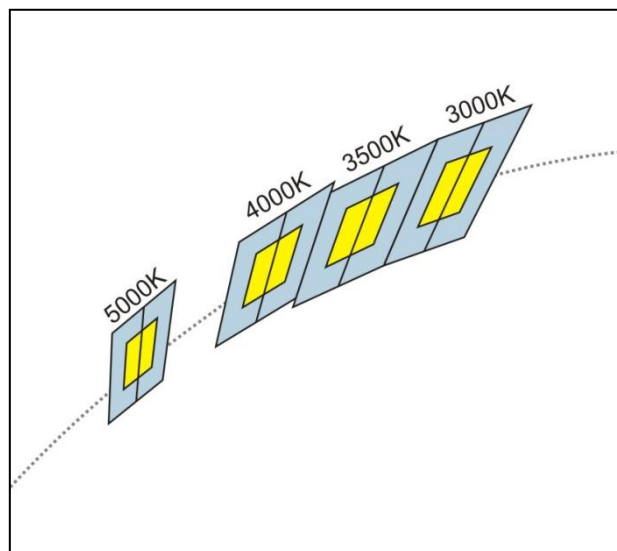
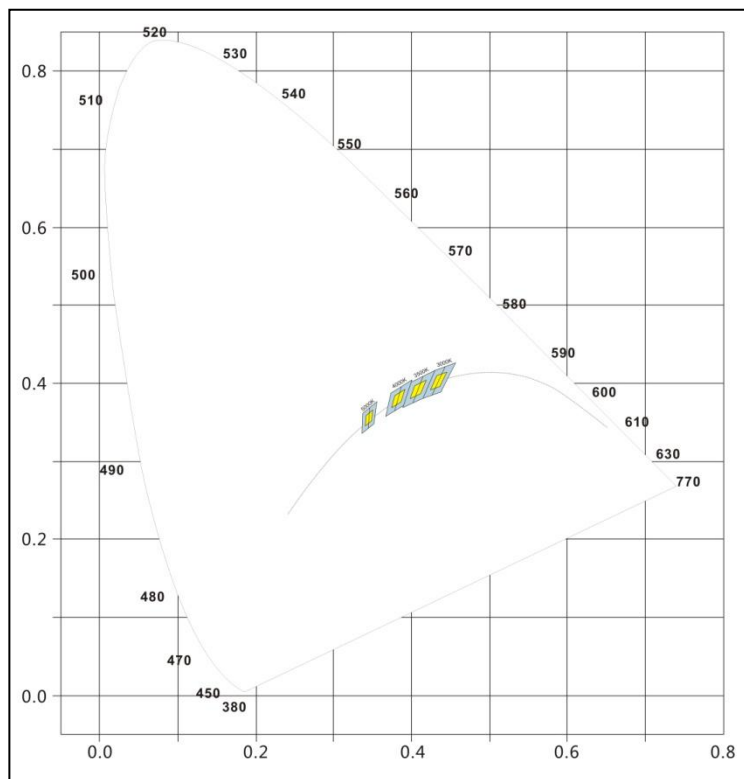
PARAMETER	MIN	TYPICAL	MAX
Forward Voltage (V) @700mA & Ta=25°C	8.6	9.3	9.9
Power Consumption @700mA (W)	6.02	6.51	6.93
Driving Current	<=700mA		



## ENVIRONMENTAL CHARACTERISTICS

PARAMETER	MIN	MAX
Storage Temperature (°C)	-40	+100
Tp Temperature (°C)	-30	+80

Note: All specifications are subject to change without notice.

## CHROMATICITY DIAGRAM



-  - ANSI Binning Area
-  - Color consistency targeting a 3-step MacAdam Ellipse

## CHROMATICITY COORDINATE – ANSI BINNING

3000K* ANSI		3500K* ANSI		4000K* ANSI		5000K* ANSI	
x	y	x	y	x	y	x	y
0.4299	0.4165	0.3996	0.4015	0.3736	0.3874	0.3376	0.3616
0.4562	0.4260	0.4299	0.4165	0.4006	0.4044	0.3551	0.3760
0.4147	0.3814	0.3889	0.3690	0.3670	0.3578	0.3366	0.3369
0.4373	0.3893	0.4147	0.3814	0.3898	0.3716	0.3515	0.3487

## Color consistency targeting a 3-step MacAdam Ellipse

3000K*		3500K*		4000K*		5000K*	
x	y	x	y	x	y	x	y
0.4323	0.4098	0.4041	0.3969	0.3785	0.3841	0.3416	0.3589
0.4450	0.4144	0.4187	0.4040	0.3915	0.3922	0.3500	0.3657
0.4243	0.3921	0.3982	0.3803	0.3746	0.3689	0.3407	0.3462
0.4360	0.3962	0.4117	0.3868	0.3866	0.3762	0.3485	0.3524

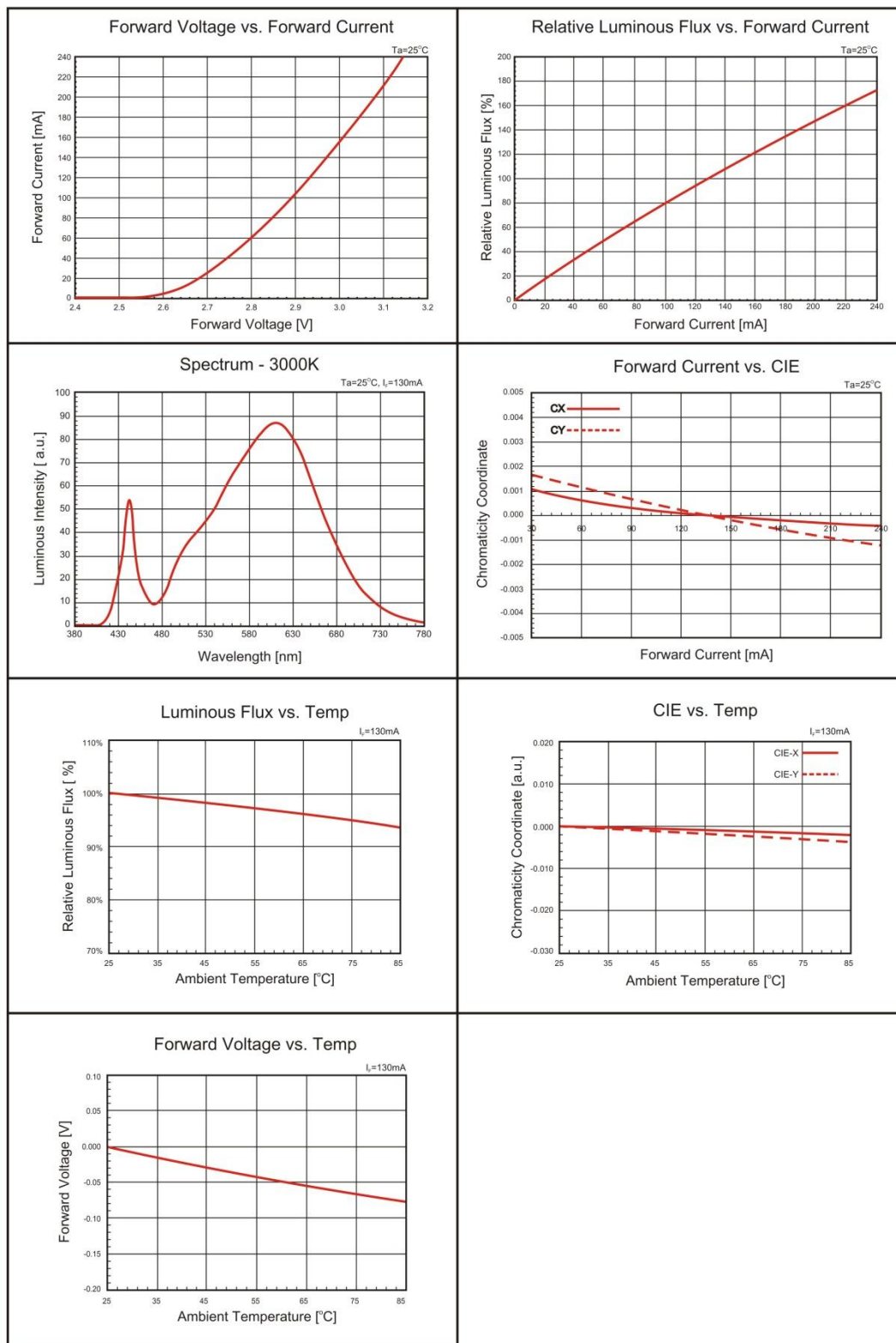
\* The tolerances of the x,y coordinates. +/- 0.01

Note: All specifications are subject to change without notice.

## TYPICAL CHARACTERISTICS GRAPH\_3000K

\*These graphs show typical values.

(Ts:25°C)

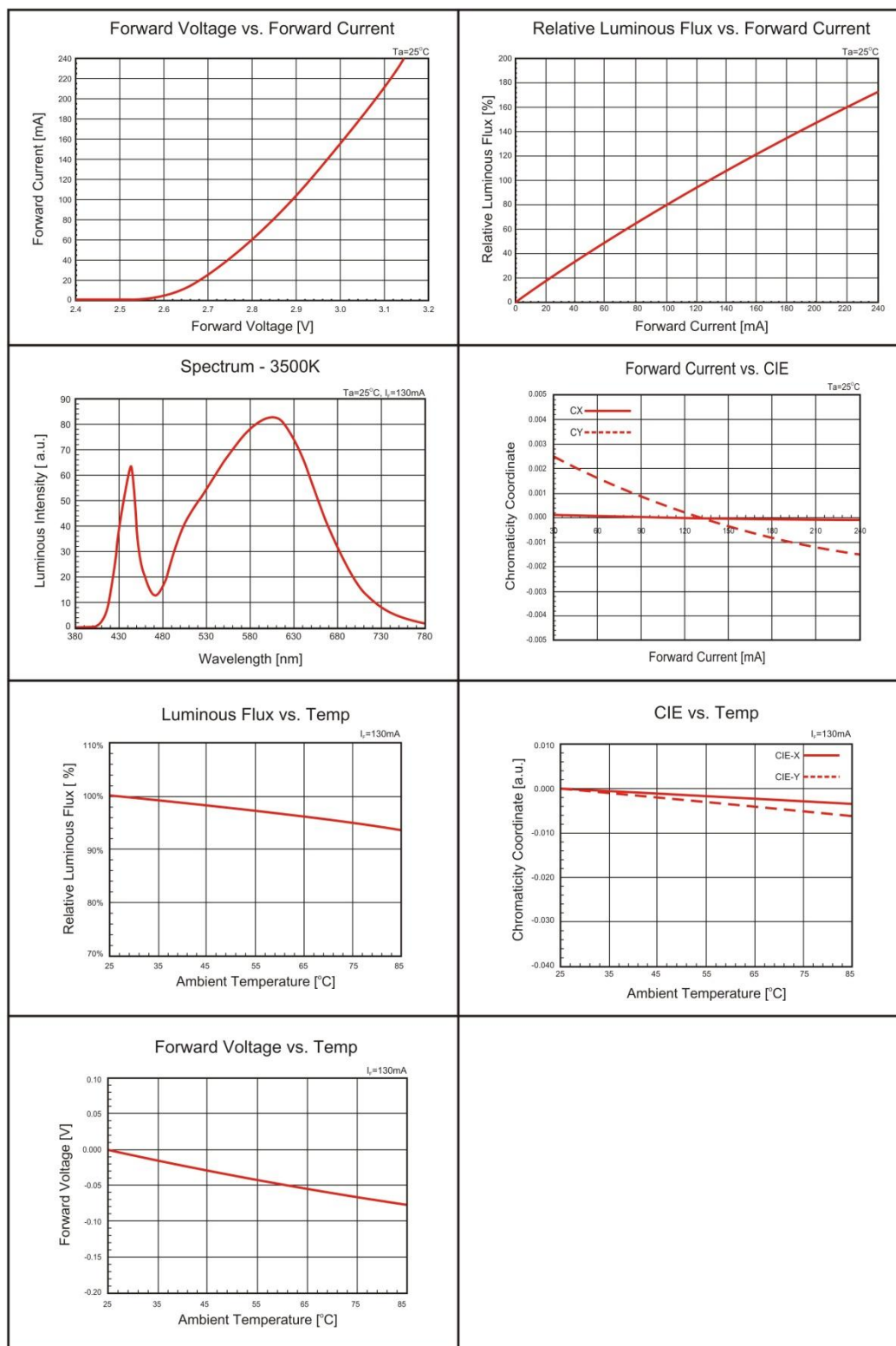


Note: All specifications are subject to change without notice.

## TYPICAL CHARACTERISTICS GRAPH\_3500K

\*These graphs show typical values.

(Ts:25°C)

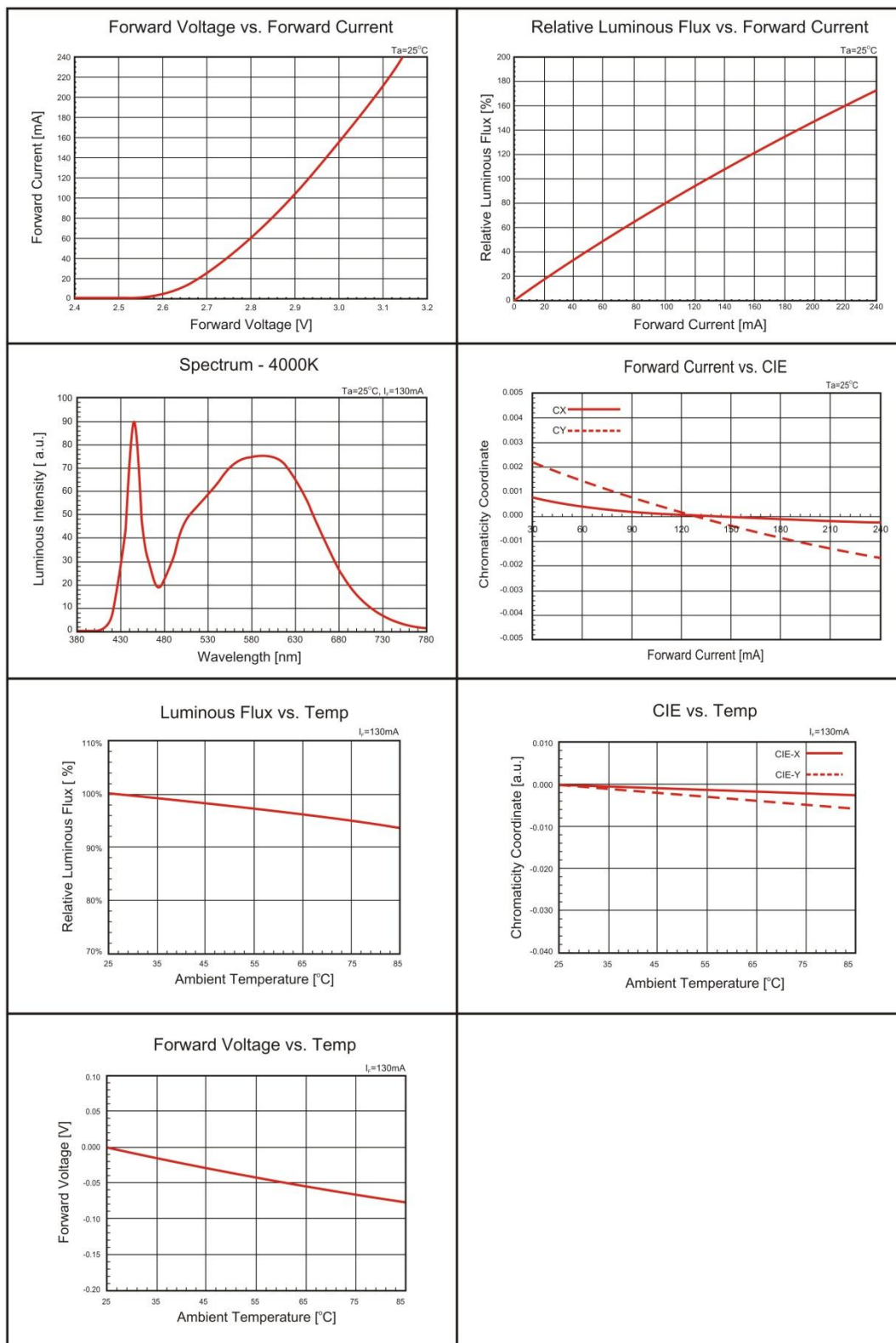


Note: All specifications are subject to change without notice.

## TYPICAL CHARACTERISTICS GRAPH\_4000K

\*These graphs show typical values.

(Ts:25°C)



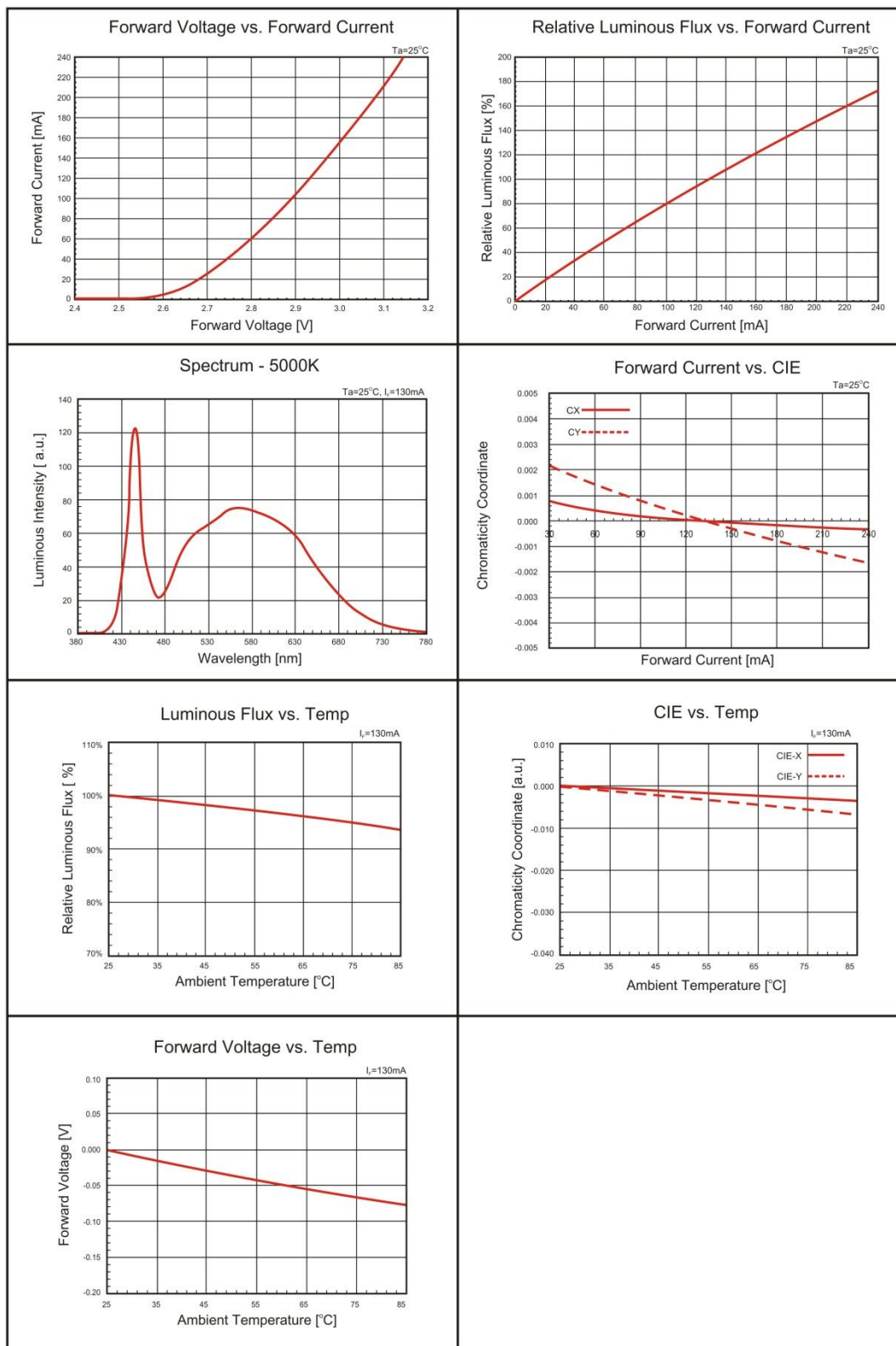
Note: All specifications are subject to change without notice.



## TYPICAL CHARACTERISTICS GRAPH\_5000K

\*These graphs show typical values.

(Ts:25°C)



Note: All specifications are subject to change without notice.

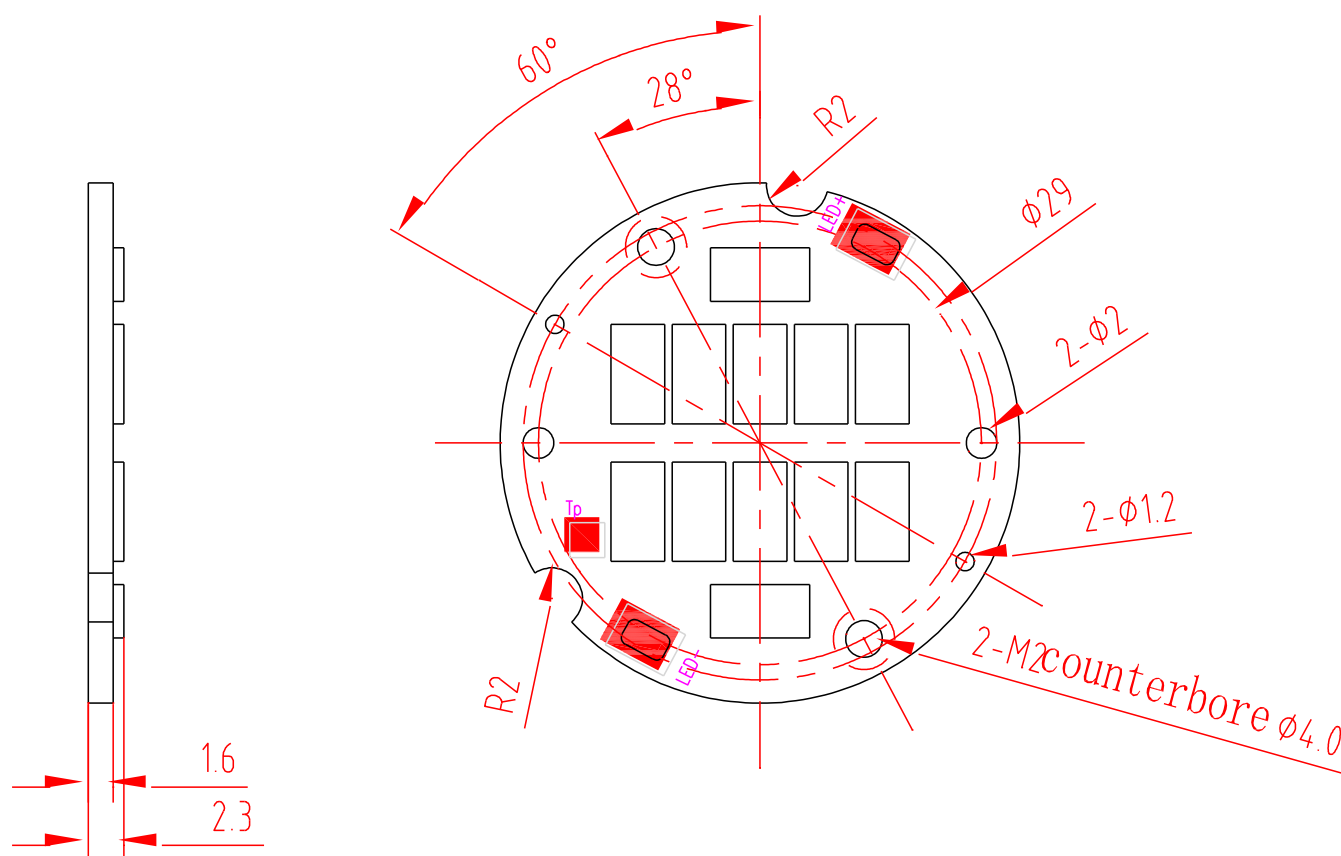


## MECHANICAL DRAWINGS (GLV92C34341/00-GD12 / MCPCB)

2D drawing with dimensions:

( Unit: mm)

Tolerance  $\pm 0.2\text{mm}$



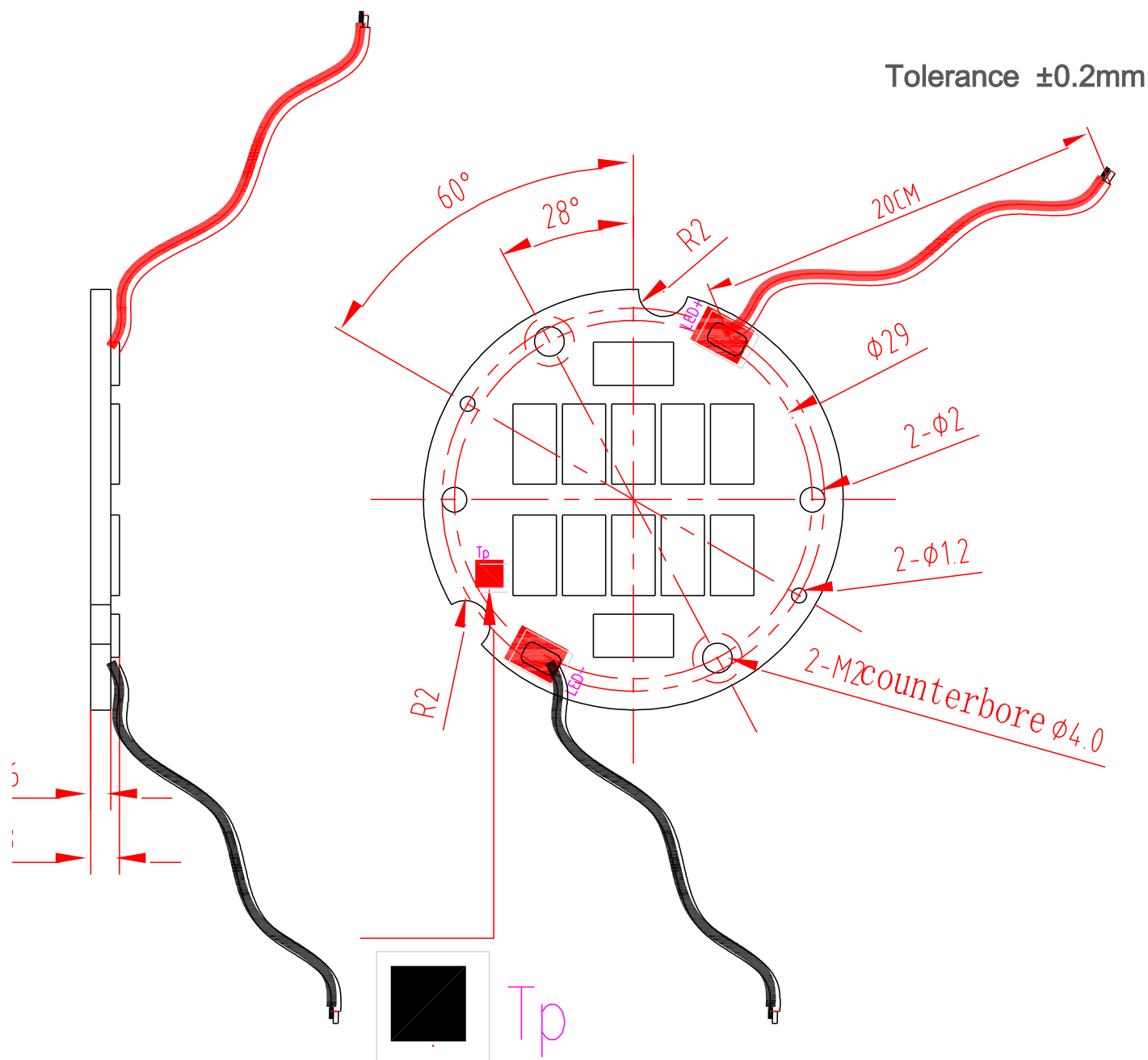
GLV92C34341/00-GD12

Note: All specifications are subject to change without notice.

## MECHANICAL DRAWINGS (GLV92C34341/20-GD12 / MCPCB)

2D drawing with dimensions:

( Unit: mm)



GLV92C34341/20-GD12

Note: All specifications are subject to change without notice.

## PART NUMBERING & ORDERING INFORMATION

<p>1. PRODUCT SERIES</p> <p>GLV92C34341</p> <p>Circular MCPCB with 12 mid power LEDs</p>	<p>3. LED TYPE</p> <p>GD - LG6030 Mid Power LED (4P)</p>	<p>6. FLUX BIN</p> <p>A - S0 Bin</p>
<p>2. CONNECTOR TYPE</p> <p>00 - Solder Pad</p> <p>20 - 20cm UL1007 20Awg</p>	<p>4. NUMBER OF LED</p> <p>12 - 12 LEDs</p>	
	<p>5. CCT</p> <p>S30 - 3000K ANSI</p> <p>S35 - 3500K ANSI</p> <p>S40 - 4000K ANSI</p> <p>S50 - 5000K ANSI</p>	

Part Number :

GLV92C34341 / AA - BB CC DDD E

1                      2                      3                      4                      5                      6

Note: All specifications are subject to change without notice.

## COMPANY INFORMATION

### About Future Lighting Solutions

Future Lighting Solutions ([www.futurelightingsolutions.com](http://www.futurelightingsolutions.com)) is a leading provider of LED lighting components and support services for solid-state lighting products and installations, including engineering expertise, concept development, full system solutions and online tools that accelerate quality application development. The company is a division of Future Electronics.

### About simpleLED®

Future Lighting Solutions simpleLED program has over 500 combinations of LED & Optic configurations, enabling you to select the right Light Engine for your application, eliminate prototyping delays and accelerating time to market. With a 3 year warranty. Visit our website and start innovating.

## CONTACT DETAILS

### In North America:

1-888-LUXEON2

[Americas@futurelightingsolutions.com](mailto:Americas@futurelightingsolutions.com)

### In Europe:

00-800-44FUTURE

[Europe@futurelightingsolutions.com](mailto:Europe@futurelightingsolutions.com)

### In Asia:

+800-LUMILEDS

[Asia@futurelightingsolutions.com](mailto:Asia@futurelightingsolutions.com)

### In Japan:

+81-0120-667-013

[Japan@futurelightingsolutions.com](mailto:Japan@futurelightingsolutions.com)

Note: All specifications are subject to change without notice. Warranty provided by the manufacturer, GL-Lighting.