



# DATA SHEET

## GLV9\_RS4151 Series

Part of the simpleLED® Program

## simpleLED GLV9\_RS4151 SERIES

The light engine series consist of 4 high power LUXEON Rebel LEDs. It is engineered to provide customers with the flexibility to select the optimal light source for their applications. Customers also have the option of modifying their light engine by selecting their preferred LUXEON Rebel LED, optic and/or connector that best suits the application.

## FEATURES & BENEFITS

- 3 year manufacture (GL-Lighting) warranty
- High-reliability LED sources
- Wide operational temperature range
- Multiple configurable options
- Multiple optic options
- Wide range of drive current
- Multiple CCT's available
- 4 LEDs in series
- Short lead time
- CE certified, UL recognized

## TYPICAL APPLICATIONS

- Directional lighting
- Track lighting
- Accent lighting
- Display lighting
- Recessed down lighting



GLV91RS4151



GLV92RS4151

Note: All specifications are subject to change without notice.

## simpleLED GLV9\_RS4151 WARM WHITE SERIES

PARAMETER		CONDITIONS
PCB		FR4 / MCPCB
Finish		White
Size		L 284mm x W 15mm
Source Type		LUXEON Rebel LXM8-PW30
Connector	00	Solder Pad
	20	20cm UL1007 20Awg
	CN	TYCO 1-2106003-2
Thermal Resistance (p-n junction to Tp)		Rth= 21 K/W (FR4) Rth= 14 K/W (MCPCB)
Rated Lumen Tp=25°C @350mA		>=320lm
CCT		3045k
CRI		Min. 80
Tp Maximum Temperature		80 °C

## ELECTRICAL CHARACTERISTICS

PARAMETER	MIN	TYPICAL	MAX
Forward Voltage (V) @350mA & Tp=25°C	10	12	13
Power Consumption @350mA (W)	3.5	4.2	4.55
Efficacy (lm/Watt) @350mA, Tp=25°C	>=70	>=76	>=91

Driving Current	100mA	350mA	700mA
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## ENVIRONMENTAL CHARACTERISTICS

PARAMETER	MIN	MAX
Storage Temperature (°C)	-40	+85
Tp Temperature (°C)	-40	+80

Note: All specifications are subject to change without notice.

## simpleLED GLV9\_RS4151 NEUTRAL WHITE SERIES

PARAMETER		CONDITIONS
PCB		FR4 / MCPCB
Finish		White
Size		L 284mm x W 15mm
Source Type		LUXEON Rebel LXML-PWN2
Connector	00	Solder Pad
	20	20cm UL1007 20Awg
	CN	TYCO 1-2106003-2
Thermal Resistance (p-n junction to Tp)		Rth= 17 K/W (FR4) Rth= 10 K/W (MCPCB)
Rated Lumen Tp=25°C @700mA		>=800lm
CCT		4100k
CRI		Min. 60
Tp Maximum Temperature		80 °C

## ELECTRICAL CHARACTERISTICS

PARAMETER	MIN	TYPICAL	MAX
Forward Voltage (V) @700mA & Tp=25°C	10	12	14
Power Consumption @700mA (W)	7	8.4	9.8
Efficacy (lm/Watt) @700mA, Tp=25°C	>=81	>=95	>=114

Driving Current	100mA	700mA	1000mA
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## ENVIRONMENTAL CHARACTERISTICS

PARAMETER	MIN	MAX
Storage Temperature (°C)	-40	+85
Tp Temperature (°C)	-40	+80

Note: All specifications are subject to change without notice.

## simpleLED GLV9\_RS4151 COOL WHITE SERIES

PARAMETER		CONDITIONS
PCB		FR4 / MCPCB
Finish		White
Size		L 284mm x W 15mm
Source Type		LUXEON Rebel LXML-PWC2
Connector	00	Solder Pad
	20	20cm UL1007 20Awg
	CN	TYCO 1-2106003-2
Thermal Resistance (p-n junction to Tp)		Rth= 17 K/W (FR4) Rth= 10 K/W (MCPCB)
Rated Lumen Tp=25°C @700mA		>=800lm
CCT		5650k
CRI		Min. 60
Tp Maximum Temperature		80 °C

## ELECTRICAL CHARACTERISTICS

PARAMETER	MIN	TYPICAL	MAX
Forward Voltage (V) @700mA & Tp=25°C	10	12	14
Power Consumption @700mA (W)	7	8.4	9.8
Efficacy (lm/Watt) @700mA, Tp=25°C	>=81	>=95	>=114
Driving Current	100mA	700mA	1000mA

## ENVIRONMENTAL CHARACTERISTICS

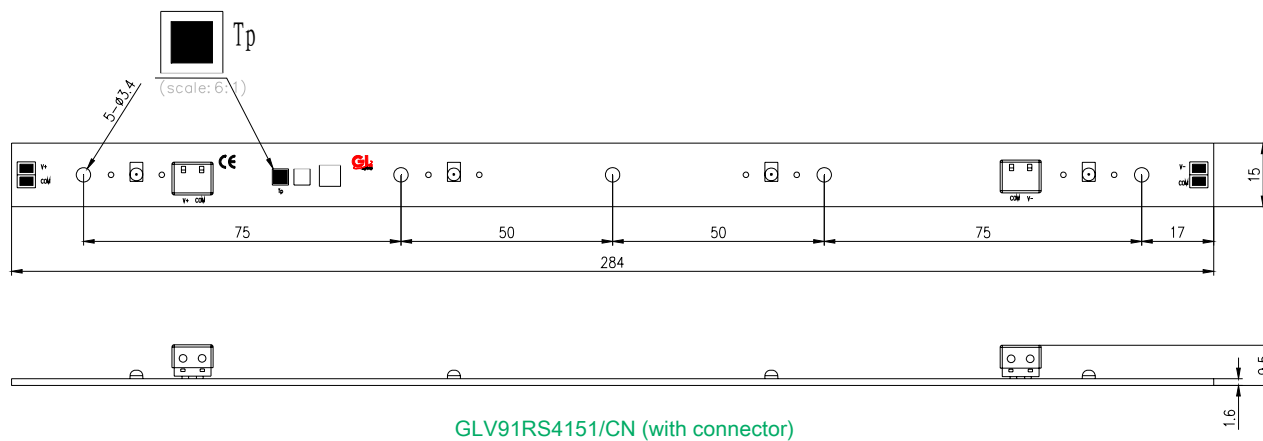
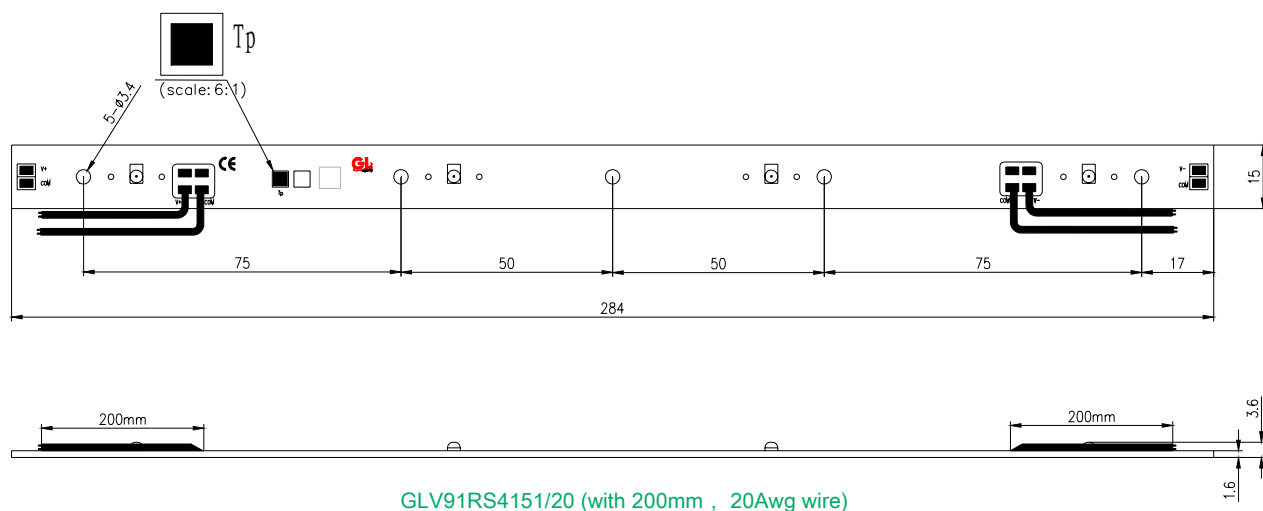
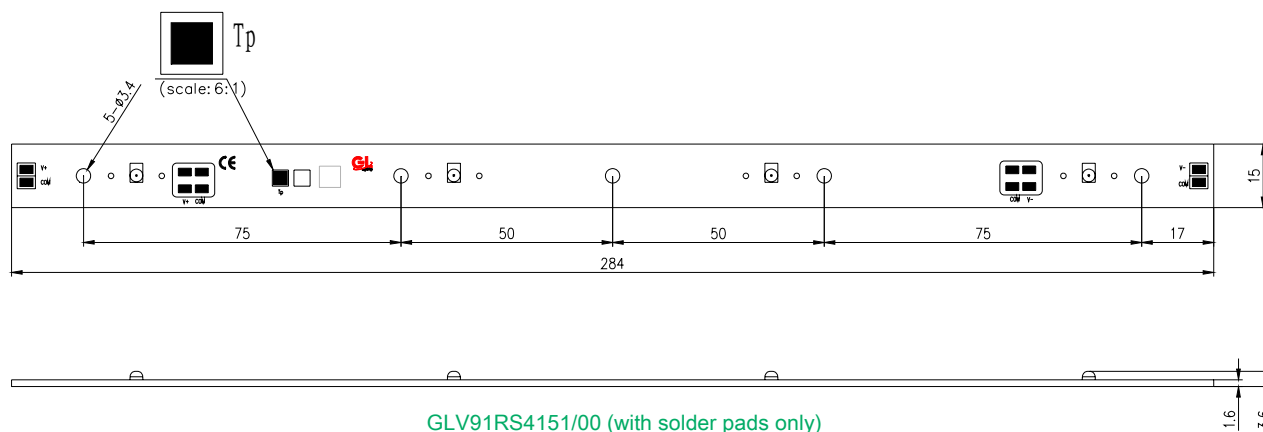
PARAMETER	MIN	MAX
Storage Temperature (°C)	-40	+85
Tp Temperature (°C)	-40	+80

Note: All specifications are subject to change without notice.

## MECHANICAL DRAWINGS (GLV91RS4151 / FR4)

2D drawing with dimensions:

( Unit: mm)

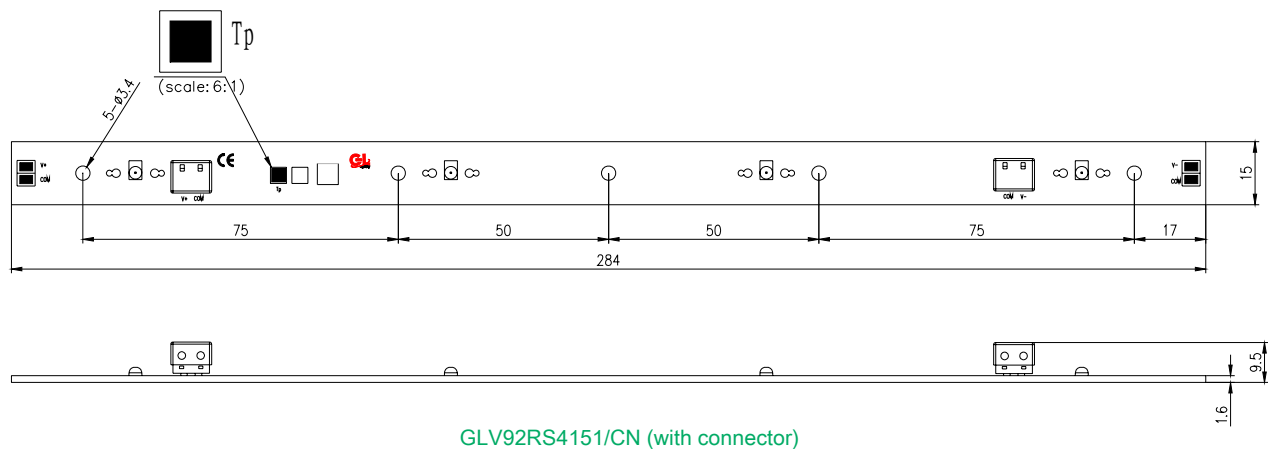
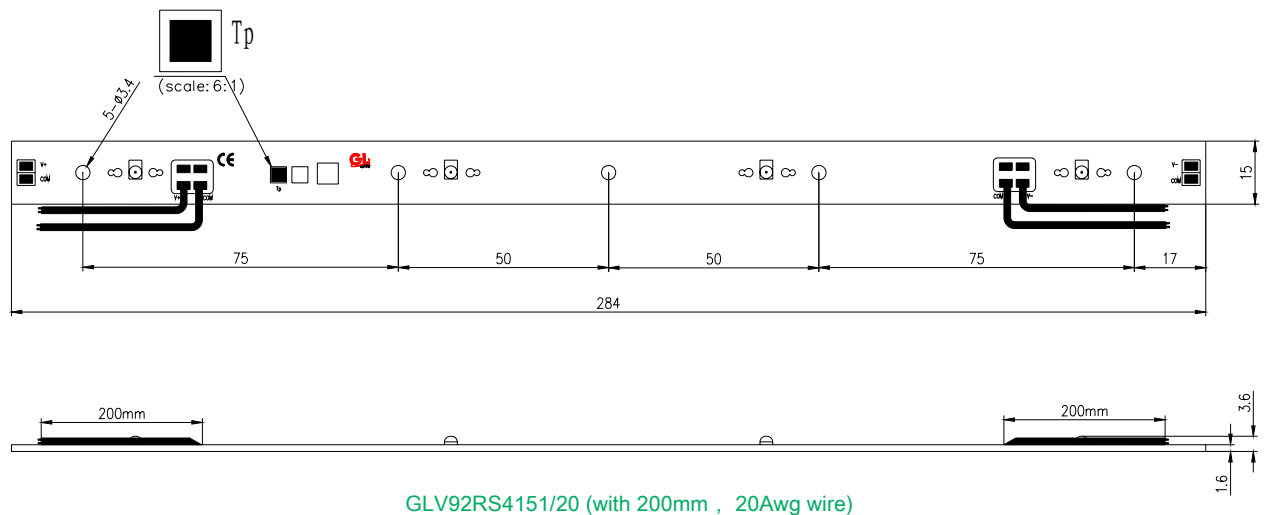
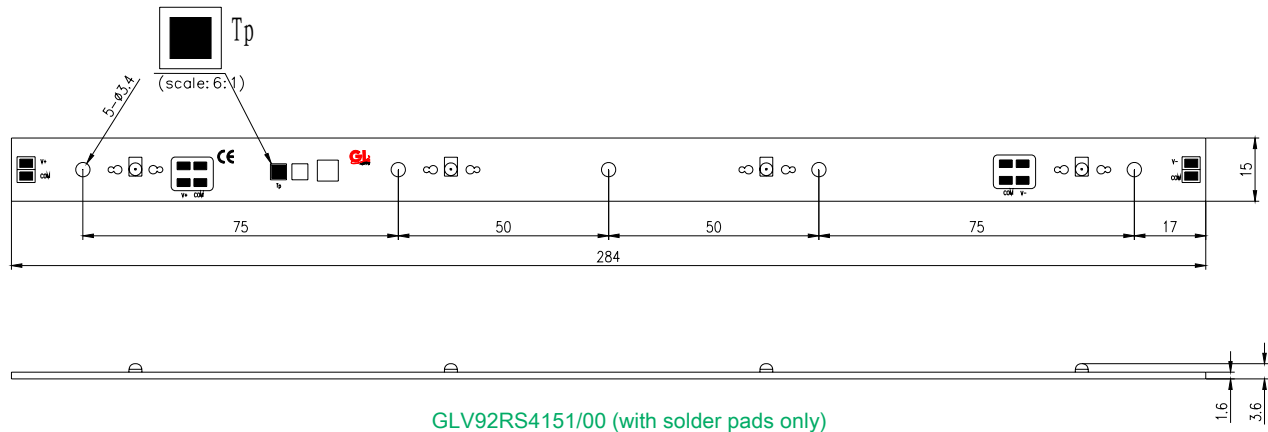


Note: All specifications are subject to change without notice.

## MECHANICAL DRAWINGS (GLV92RS4151 / MCPCB)

2D drawing with dimensions:

( Unit: mm)



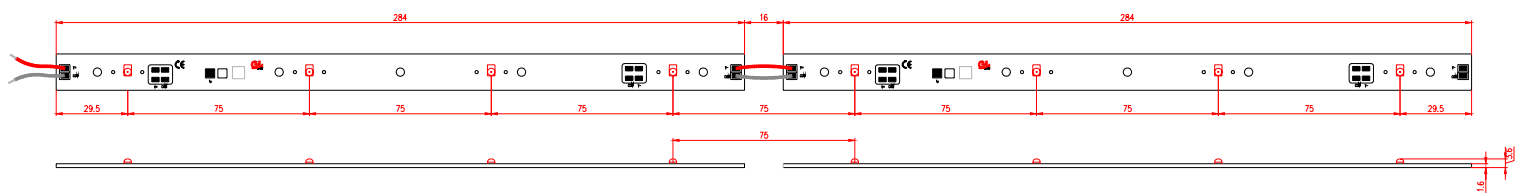
Note: All specifications are subject to change without notice.

## PCB SERIES DRAWINGS

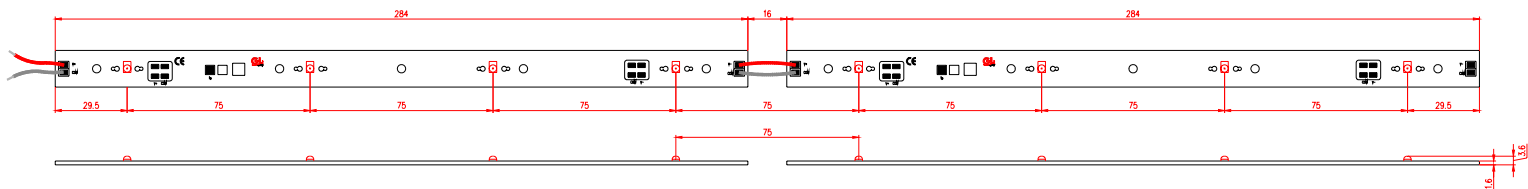
2D drawing with dimensions:

( Unit: mm)

Pic.1 FR4 (Example : GLV91RS4151/00)



Pic.2 MCPCB (Example : GLV92RS4151/00)



\* When the PCB connect in series, the spacing of LED will always be equal.

Note: All specifications are subject to change without notice.



## PART NUMBERING & ORDERING INFORMATION

### 1. PRODUCT SERIES

GLV91RS4151

Rectangle FR4 with 4 LEDs in series

GLV92RS4151

Rectangle MCPCB with 4 LEDs in series

### 2. CONNECTOR TYPE

00 – Solder Pad

20 – 20cm UL1007 20Awg

CN – TYCO 1- 2106003-2

### 3. LED TYPE

LL - LXML LUXEON REBEL

LB - LXM8 LUXEON REBEL

LG - LXML LUXEON REBEL ES

### 4. NUMBER OF LED

04 - 4 LEDs

### 5. CCT

S30 – 3000K ANSI

D40 – 4000K

S40 – 4000K ANSI

W00 – 5600K

S50 – 5000K ANSI

### 6. FLUX BIN

L – Min 80lm@350mA

N – Min 100lm@350mA

R – Min 160 Lumens@700mA

S – Min 180 Lumens@700mA

T – Min 200 Lumens@700mA

### 7. OPTICS

0BS – 15/22 Degree, single lens

0BN – 27 Degree, single lens

0BF – 38/43 Degree, single lens

Part Number :

GLV9<sup>\*</sup>RS4151 / AA – BB CC DDD E FFF

1                      2            3            4            5            6            7

Note: All specifications are subject to change without notice.

## ACCESSORIES FOR LENS

•Single Lens

No.	BRAND	MANUFACTURER PART #	SIZE	LUXEON REBEL	LUXEON REBEL ES	HOLDER
1	GL	GLVA1BS01Y	Ø13.5x7.3mm	15°	22°	Yes
2		GLVA1BN01Y	Ø13.5x7.3mm	27°	27°	Yes
3		GLVA1BF01Y	Ø13.5x7.3mm	38°	43°	Yes

Part Number :

<u>GLVA1</u>	<u>BS</u>	<u>01</u>	<u>Y</u>
1	2	3	4

1. ACCESSORIES CATEGORY NUMBER

GLVA1

Optics Number

3. LENS NUMBER

01 – Single Lens, With Holder

2. OPTICS ANGLE

BS – 15/22 Degree Lens

BN – 27 Degree Lens

BF – 38/43 Degree Lens

4. RING / HOLDER

Y – With Holder Only

Note: All specifications are subject to change without notice.

## PACKAGING INFORMATION

INNER PACKING	SIZE	TRAY	QTY
TYPE	345*295*11mm	1	9



Manuf Part Number(1P): GL91R3130P/CN-LXE3		GL Lighting
Lot#(1T):	Qty(Q): 9	
Date Code(9D): 1113	Country of Origin (4L): CN	

INNER PACKING	SIZE	TRAY	QTY
TYPE 1	350*300*30mm	1	9
TYPE 2	350*300*250mm	18	162



Package ID(3S): FA45+1113GL110323P		GL Lighting
Manuf Part Number(1P): GL91R3130P/CN-LXE3		
QTY(Q): 20	Date Code(9D): 1113	
Trans ID(K): ZPA102	Country of Origin (4L): CN	



FROM: General Luminaire (Shanghai) Co.,LTD. 7F NO.1128 Jindu Road Minhang District Shanghai, China 201108		GL Lighting
TO: Future Electronics Asia Pacific Distribution Center(APDC) 19 Jiyang Way, #01-08/ 09 /10 Changi Logistics Centre Singapore 508724 Tel+65 6594 5000		
Package ID(4S): FA45+1113GL110323P		
Manuf Part Number(1P): GL91R3130P/CN-LXE3		
QTY(Q): 360		175
Trans ID(K): ZPA102		
Package Count: 1 OF 1		
Weight: KGS		

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## 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 LUXEON® LED & Optic configurations, enabling you to select the right Light Engine for your application, eliminate prototyping delays and accelerating time to market. Additional benefits include UL recognized quality and a 3 year warranty. Visit our website and start innovating.

## CONTACT DETAILS

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