

LED

HIGH-LUMINOSITY LED LAMP

☆New product

> Chip LED / LED Lamp Data Sheet

■ HIGH-LUMINOSITY (AlGaInP) LED SERIES

(Ta = 25°C)

Radiation color	Green	Yellow-green	Amber	Sunset orange	Orange	Red	
Series	ZG, JG	ZE, JE	ZV, JV, YV	ZS, JS, YS	ZJ, JJ, YJ	ZR, JR	JU
Dominant emission wavelength (nm)	560	572	588	605	618	630	638
Radiation material	AlGaInP on GaAs						

■ HIGH-LUMINOSITY (InGaN) LED SERIES

(Ta = 25°C)

Radiation color	Blue	Green
Series	BC	GC
Dominant emission wavelength (nm)	470	525
Radiation material	InGaN	

■ WHITE TYPE LED SERIES

(Ta = 25°C)

Radiation color	White	
Series	VA	BW
Color range (x, y)	(0.33, 0.33)	(0.31, 0.31)
Radiation material	InGaN + RGB fluorescent powder	InGaN + Fluorescent powder

■ LED SERIES

(Ta = 25°C)

Radiation color	Green	Yellow-green	Yellow-green (High-luminosity)	Yellow	Sunset orange	Red	Red	Red (High-luminosity)	Red (High-luminosity)	Red
Series	KG, K	EG, E, C*	FG, F	HY, H	HS, S	HD, D	HA, A	TR, T	UR, U	PR, P
Peak emission wavelength (nm)	555	565	565	585	610	635	650	660	660	695
Radiation material	GaP	GaP	GaP	GaAsP on GaP	GaAsP on GaP	GaAsP on GaP	GaAsP on GaP	GaAlAs on GaAs Single hetero	GaAlAs on GaAlAs Double hetero	GaP

* C is the opposite polarity of EG's.

■ HIGH-LUMINOSITY (AlGaInP) LED LAMPS

(If = 20 mA, Ta = 25°C)

Appearance	Resin type	High-luminosity												
		JG, ZG (Green)		JE, ZE (Yellow-green)		JV, ZV (Amber)		JS, ZS (Sunset orange)		ZJ, JJ (Orange)		ZR, JR, JU (Red)		
		Model No.	Luminous Intensity (mod) TYP.	Model No.	Luminous Intensity (mod) TYP.	Model No.	Luminous Intensity (mod) TYP.	Model No.	Luminous Intensity (mod) TYP.	Model No.	Luminous Intensity (mod) TYP.	Model No.	Luminous Intensity (mod) TYP.	
Cylinder	ø3	●					GL3ZV402B0SE	400	GL3ZS402B0SE	400	GL3ZJ402B0SE	400	GL3ZR402B0SE	250
		●	GL3JG402B0SE	85	GL3JE402B0SE	200							GL3JR402B0S3	200
		●											GL3JU402B0S	300
		●			GL3ZE602B0S	80	GL3ZV602B0SE	200	GL3ZS602B0SE	210	GL3ZJ602B0SE	230	GL3ZR602B0SE	150
		●					GL3JV404B0SE	280	GL3JS404B0SE	280	GL3JJ404B0SE	200		
		●					GL3JV604B0SE	110	GL3JS604B0SE	120	GL3JJ604B0SE	100		
Cylinder	ø5	●				GL5ZV152B0SE	2 700	GL5ZS152B0SE	3 000	GL5ZJ152B0SE	3 000	GL5ZR152B0SE	2 000	
		●				GL5ZV302B0SE	800	GL5ZS302B0SE	1 000	GL5ZJ302B0SE	900	GL5ZR302B0SE	600	
		●				GL5JV302B0SE	640	GL5JS302B0SE	680	GL5JJ302B0SE	570			
Cylinder	ø10	●				GL0ZV042B0S	18 800	GL0ZS042B0S	22 800	GL0ZJ042B0S	18 500			
		●				GL6ZV27	750	GL6ZS27	850	GL6ZJ27	750	GL6ZR27	360	
Oval	Long: 5.8 Short: 4.8	●				GL5JV7D2D0SE	210	GL5JS7D2D0SE	230	GL5JJ7D2D0SE	190			
		●												

Taped model is also available.

Notice

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LED



HIGH-LUMINOSITY LED LAMP

LED

☆New product

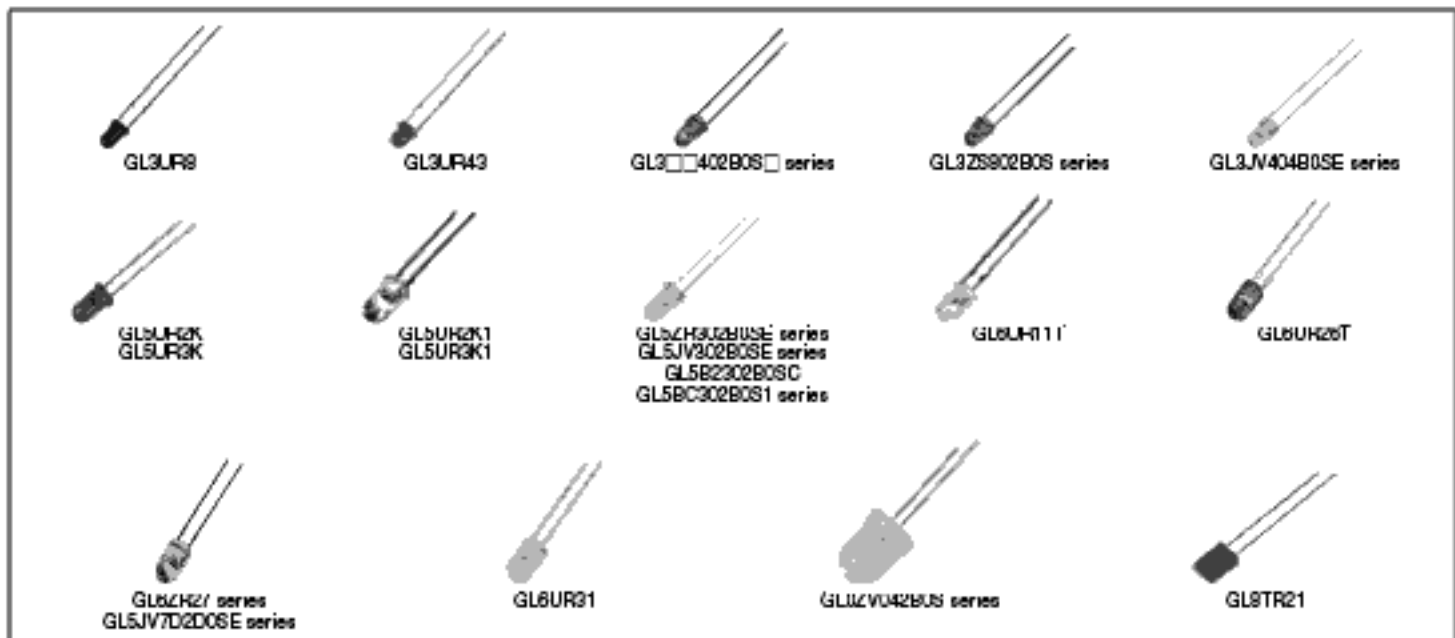
HIGH-LUMINOSITY LED LAMPS

(F = 20 mA, Ta = 25°C)

Appearance	Radiation shape (mm)	Resin type				High-luminosity								
		Colored diffusion	Colored transparency	Colorless transparency	Milky diffusion	BC (Blue)		GC (Green)		TR, T (Red)		UR, U (Red)		
						Model No.	Luminous Intensity (mcd) TYP.	Model No.	Luminous Intensity (mcd) TYP.	Model No.	Luminous Intensity (mcd) TYP.	Model No.	Luminous Intensity (mcd) TYP.	
Cylinder	ø3	●								GL3TR8	80	GL3UR8	300	
				●						GL3TR44	110	GL3UR44	250	
			●							GL3TR43	20	GL3UR43	100	
					●	☆ GL3BC302B0S2	900							
					●	GL3BC402B0SC	200	GL3GC402B0SC	810				GL3UR402B0S	350
					●	GL3BC402B0S1	450	GL3GC402B0S1	1 800					
				●	GL3B2402B0SC	650	GL3G2402B0SC	2 800						
		ø5	●							GL5TR8	80			
					●							GL5UR44	650	
				●								GL5UR2K	2 000	
				●								GL5UR3K	3 000	
											GL5TR43	500	GL5UR2K1	2 000
													GL5UR3K1	3 000
							GL5B2302B0SC	1 200						
						GL5BC302B0S1	700	GL5GC302B0S1	1 700					
											GL6UR11T ^{*1}	300		
											GL6UR31	950		
Oval	Long: 5.8 Short: 4.6		●									GL6UR26T ^{*1}	400	
Rectangle	2.0 × 5.0	●								GL8TR21	4	GL8UR21	16	
	1.8 × 3.9	●								GL8TR42	4			

*1 With tie-bar

Taped model is also available.



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Appearance	Radiation shape (mm)	Green		Yellow-green		Yellow-green (HL)		Yellow		Sunset orange		Red		Red				
		Colored diffusion	Colored transparency	Colorless transparency	Milky diffusion	(555 nm)	(565 nm)	(565 nm)	Luminous intensity (mcd) TYP.	(585 nm)	Luminous intensity (mcd) TYP.	(610 nm)	Luminous intensity (mcd) TYP.	(635 nm)	Luminous intensity (mcd) TYP.	(695 nm)	Luminous intensity (mcd) TYP.	
Cylinder	ø3	●			GL3KG8	30	GL3EG8	60		GL3HY8	55	GL3HS8	60	GL3HD8	40	GL3PR8	8	
		●			GL3KG44	60	GL3EG44	130		GL3HY44	100	GL3HS44	100	GL3HD44	110	GL3PR44	12	
		●			GL3KG43	20	GL3EG43	38		GL3HY43	25	GL3HS43	25	GL3HD43	25	GL3PR43	3	
		●			GL3KG62	22	GL3EG62	65		GL3HY62	40	GL3HS62	40	GL3HD62	50			
		●			GL3KG63	6	GL3EG63	18		GL3HY63	16	GL3HS63	15	GL3HD63	17	GL3PR63	2	
		●					LT3E31W ^{*2}	18		LT3H31W ^{*2}	15		LT3D31W ^{*2}	15	LT3P31W ^{*2}	1.5		
	ø4	●				GL4KG8	30	GL4EG8	100		GL4HY8	110	GL4HS8	80	GL4HD8	110	GL4PR8	15
		●																
		●				GL5KG8	60	GL5EG8	150		GL5HY8	120	GL5HS8	80	GL5HD8	80	GL5PR8	15
		●				GL5KG41	70	GL5EG41	160		GL5HY41	100	GL5HS41	100	GL5HD41	150	GL5PR41	15
		●				GL5KG44	70	GL5EG44	160		GL5HY44	100	GL5HS44	100	GL5HD44	100	GL5PR44	15
		●																
Oval	Long: 5.8 Short: 4.6	●			GL5KG43	120	GL5EG43	300	GL5FG43	600	GL5HY43	250	GL5HS43	250	GL5HD43	300		
		●																
		●																
		●																
		●																
		●																
	ø5 (inverted cone)	●																
		●																
		●																
		●																
		●																
		●																
Arch	2.0 × 3.1	●																
		●																
		●																
		●																
		●																
		●																
	1.8 × 3.9	●				GL8KG42	1.5	GL8EG42	5		GL8HY42	6		GL8HD42	5	GL8PR42	0.7	
		●																
		●																
		●																
		●																
		●																
Rectangle	2.0 × 3.2	●			GL8KG25	9	GL8EG25	12		GL8HY25	12	GL8HS25	10	GL8HD25	12	GL8PR25	1.5	
		●																
		●																
		●																
		●																
		●																
	2.0 × 4.5	●				GL8KG21	4	GL8EG21	8		GL8HY21	8	GL8HS21	8	GL8HD21	8	GL8PR21	0.7
		●																
		●																
		●																
		●																
		●																
Square	5.0 × 5.0	●			GL8KG26	4	GL8EG26	8		GL8HY26	8	GL8HS26	8	GL8HD26	8	GL8PR26	0.7	
		●			GL8KG22	3.5	GL8EG22	6		GL8HY22	5	GL8HS22	5	GL8HD22	8	GL8PR22	1.2	
Triangle	isosceles triangle	●																
		●																

*1. PR series (Red): IF = 5 mA (GL8PR25, GL8PR29; IF = 10 mA)

*2. Taped model

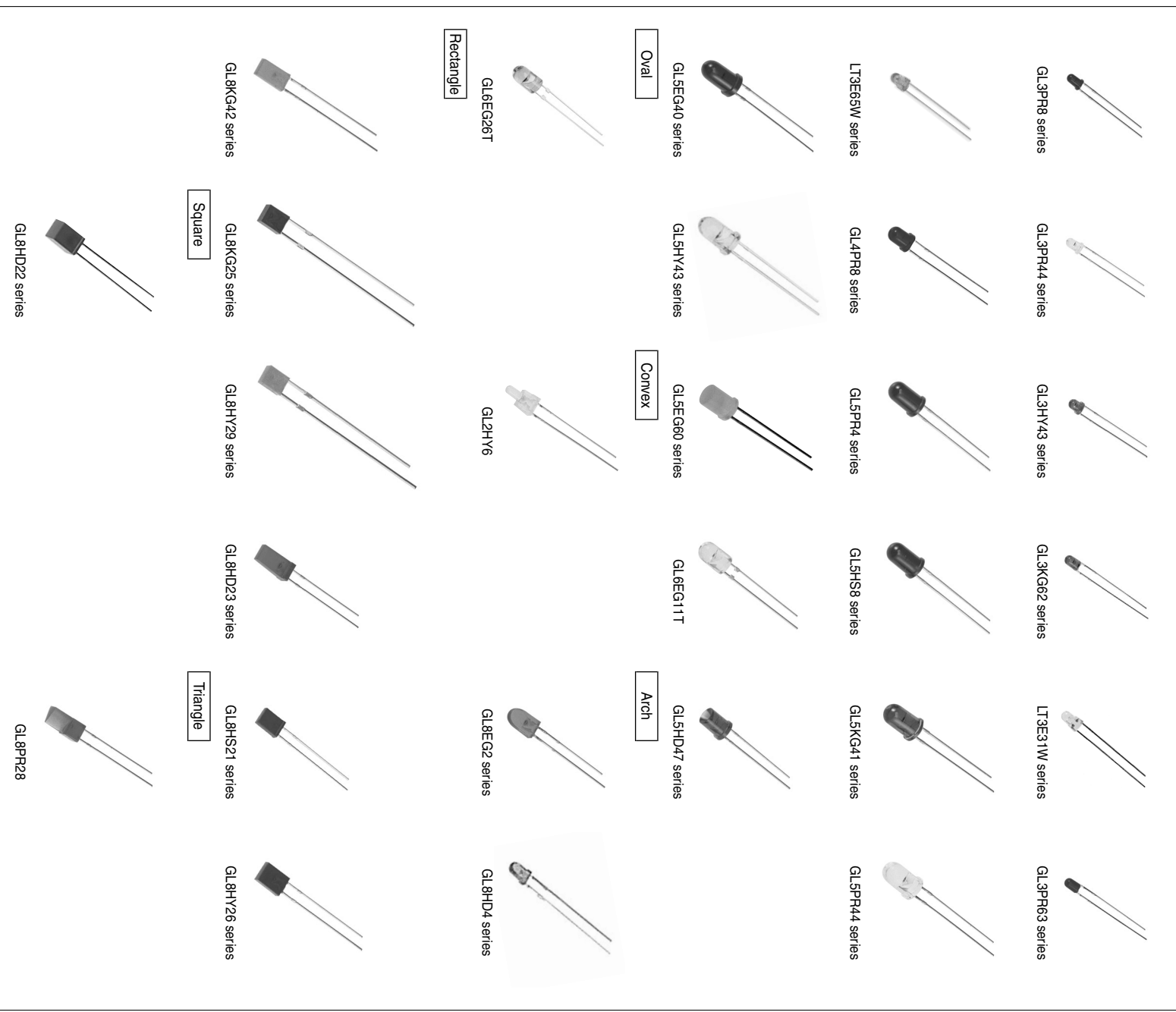
*3. With tie-bar

HL: High-luminosity

Taped model is also available.

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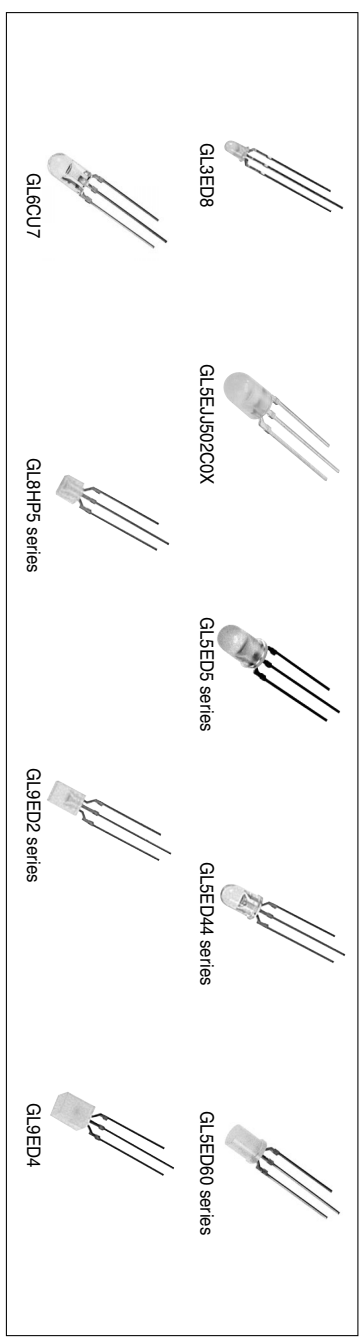


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Radiation shape (mm)	Appearance				Luminous intensity (mcd) TYP.	Luminous intensity (mcd) TYP.	Luminous intensity (mcd) TYP.	Luminous intensity (mcd) TYP.	Luminous intensity (mcd) TYP.	Luminous intensity (mcd) TYP.						
	Colored diffusion	Colored transparency	Colorless transparency	Milky diffusion												
ø3				●	GL5EUJ502C0X*2 110/170											
Cylinder ø5				●		GL5CU44 100/240										
				●		GL6CU7 120/230										
				●												
Rectangle 1.9 × 3.9				●												
2.0 × 5.0				●												
5.0 × 5.0				●												

* CU series: Common anode pin connection *1 P (Red) and H (yellow); If = 10 mA *2 Taped model H.L: High-luminosity



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Outline dimensions (mm)	Color				Green Luminous intensity (mcd) TYP.	Yellow-green Luminous intensity (mcd) TYP.	Amber Luminous intensity (mcd) TYP.	Sunset orange Luminous intensity (mcd) TYP.	Orange Luminous intensity (mcd) TYP.	Red Luminous intensity (mcd) TYP.
	Colored diffusion	Colored transparency	Colorless transparency	Milky diffusion						
1.6 × 0.8 (T: 0.35)			●			GM1JES200AE ^{*1} 13	GM1JV35200AE ^{*1} 18.8	GM1JS3200AE ^{*1} 19	GM1JBS200AE ^{*1} 19	GM1JRS200AE ^{*1} 13
1.6 × 0.8 (T: 0.59)			●			GM1JES200AE ^{*1} 13	GM1JV5200AE ^{*1} 16.8	GM1JS5200AE ^{*1} 20.9	GM1JBS200AE ^{*1} 19	
					●	LT1ZG67A 6.1	LT1ZV67A 78.7	LT1ZS67A 123.2	LT1ZL67A 123.3	LT1ZFR67A 73.9
1.6 × 0.8 (T: 0.8)			●				GM1ZJ80300AE 75	GM1ZS80300AE 75	GM1ZB0300AE 75	GM1ZFR0300AE 55
			●				LT1JV67A ^{*1} 16.5	LT1JS67A ^{*1} 14.1		
			●			LT1ZG40A 6.2	LT1ZV40A 92.7	LT1ZS40A 144.1	LT1ZL40A 127.8	LT1ZFR40A 78.7
2.0 × 1.25 (T: 0.8)			●				GM1ZV40300AE 60	GM1ZS40300AE 78	GM1ZL40300AE 60	GM1ZFR40300AE 55
			●				GM1JV40300AE 11	GM1JS40300AE 12	GM1JL40300AE 9.5	
3.2 × 2.8 (T: 1.9)			●			LT1ZG95A 15	LT1ZV95A 170	LT1ZS95A 290	LT1ZL95A 200	GM5ZFR95200AE 100
			●				GM5JV95200AE 80	GM5JS95200AE 90	GM5JL95200AE 70	
6.0 × 5.0 (T: 2.5)			●				GM5ZV01200A ^{*3} 500	GM5ZS01200A ^{*3} 700	GM5ZL01200A ^{*3} 500	GM5ZFR01200A ^{*3} 400
			●				GM5V01210A ^{*4} 1 300	GM5V01210A ^{*4} 1 700	GM5V01210A ^{*4} 1 500	
6.0 × 5.0 (T: 2.3) (board insertion type)			●				GM5ZV03200Z ^{*3} 500	GM5ZS03200Z ^{*3} 700	GM5ZL03200Z ^{*3} 500	GM5ZFR03200Z ^{*3} 400
1.6 × 1.15 (T: 0.8) (Side emitting)			●				GM4JV81200AE ^{*2} 35	GM4JS81200AE ^{*2} 40	GM4JL81200AE ^{*2} 40	GM4JFR81200AE ^{*2} 30
2.7 × 1.3 (T: 1.2) (Side emitting)			●				LT1JV45A ^{*1} 20	LT1JS45A ^{*1} 24	LT1JL45A ^{*1} 16	★ GM4JFR1250AE ^{*2} (45)

*1 LT1JS67A, LT1JV67A, GM1JV55200AE series, GM1JV35200AE series, GM1JV40300AE series, LT1JV45A series: If = 5 mA

*2 GM4JV81200AE series: If = 10 mA

*3 GM5ZFR01200A series, GM5ZR03200Z series: If = 60 mA

*4 GM5VY01210A series: If = 90 mA

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Outline dimensions (mm)	Resin type				Blue		Green	
	Colored diffusion	Colored transparency	Colorless transparency	Milky diffusion	Luminous intensity (mcd) TYP.		Luminous intensity (mcd) TYP.	
1.6 × 0.8 (T: 0.35)			●	●		GM1GC35200AC	54	
1.6 × 0.8 (T: 0.55)			●			GM1GC55200AC	47	
3.2 × 2.8 (T: 1.9)			●			GM5GC95200AC*2	311	
			●			★ GM5BC95250AC*2	500	
6.0 × 5.0 (T: 2.5)			●			★ GM5BC95270AC*2		
			●			GM5BC01200AC*3	200	
			●			★ GM5BC01250AC*3	300	
6.0 × 5.0 (T: 2.5) board insertion type			●			★ GM5BC01270AC*3	550	
			●			GM5BC03200Z*3	200	
1.6 × 1.15 × 0.8 (Side emitting)			●			★ GM4BC81250AC	170	
2.7 × 1.3 × 1.2 (Side emitting)			●			GM4BC13300AC	12	
						GM4GC13300AC	46	

*1 GM1BC35370AC, GM1BC55270AC: If = 5 mA

*2 GM5BC95200AC series, GM5BC95250AC series: If = 20 mA

*3 GM5BC01200AC series, GM5BC01250AC series, GM5BC03200Z series: If = 50 mA






































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Outline dimensions (mm)	Resin type			Green	Yellow-green	Yellow	P
	Colored diffusion	Colored transparency	Colorless transparency				
1.6 × 0.8 (T: 0.35)	●	●	●		GM1EG35200A		
1.6 × 0.8 (T: 0.55)			●		GM1EG65200A	GM1HY55200A	
1.6 × 0.8 (T: 0.6)			●		LT1E97A	LT1H97A	
1.6 × 0.8 (T: 0.8)			●		LT1K67A	LT1H67A	
2.0 × 1.25 (T: 0.8)			●		LT1K40A	LT1H40A	
3.2 × 2.8 (T: 1.9)			●		GM5EG95200A	GM5UR95200A	
1.6 × 1.15 × 0.8 (Side emitting)			●		GM4EG81200A		
2.7 × 1.3 × 1.2 (Side emitting)			●		LT1E45A		

Outline dimensions (mm)	Resin type	Sunset orange	Luminous intensity (mcd) TYP.	Red	Luminous intensity (mcd) TYP.	Red (HL)	Luminous intensity (mcd) TYP.	Red	Luminous intensity (mcd) TYP.		
										S	H
1.6 × 0.8 (T: 0.55)				GM1HSS5200A	11.4	GM1HD5200A	12.5	GM1UR55200A	29.7		
1.6 × 0.8 (T: 0.6)				LT1S97A	8.2	LT1D97A	11	LT1U97A	35.3	LT1P97A	1.6
1.6 × 0.8 (T: 0.8)				LT1S67A	6.9	LT1D67A	8.8	LT1U67A	29.7	LT1P67A	1.3
2.0 × 1.25 (T: 0.8)				LT1S40A	9.4	LT1D40A	11.9	LT1U40A	35.6	LT1P40A	1.3
3.2 × 2.8 (T: 1.9)			●			GM5HD95200A	13.8	GM5UR95200A	80		

* 1 P (Red) series: If = 5 mA

HL: High-luminosity

<p>LT1D67A series LT1Z867A series LT1JS67A series GM1ZY80300AE series</p>    	<p>LT1D97A series</p> 	<p>GM1EG55200A series GM1JV55200AE series GM1BC55250AC series</p>   	<p>LT1E40A series LT1ZE40A series GM1JV40300AE series GM1ZY40300AE series</p>    
<p>GM1JV35200AE series GM1EG35200A GM1BC35200AC series GM1BC35310AC</p>    	<p>LT1E45A series LT1JV45A series GM4BC13300AC series</p>   	<p>GM4JV81200AE series GM4EG81200A GM4BC81250AC series</p>   	<p>LT1ZR95A series GM5JV95200AE series, GM5EG95200A series GM5BC95200AC series, GM5BC95250AC series</p>    
<p>GM5ZR01200A series, GM5BC01200AC series GM5BC01250AC series, GM5VV01210A series</p>    	<p>GM5ZV03200Z series GM5BC03200Z series</p>  	<p>GM5ZV03200Z series GM5BC03200Z series</p>  	<p>Taped model</p> 

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Outline dimensions (mm)	Resin type			Luminous intensity (mcd) TYP.
	Colored diffusion	Colored transparency	Colorless transparency	
1.6 × 1.6 (T: 0.8)	Colored diffusion	Colored transparency	Colorless transparency	ZV BC Amber + Blue Luminous intensity (mcd) TYP. 43.8/14.4
			● Milky diffusion	
				ZS GC Sunset orange + Green Luminous intensity (mcd) TYP. 66/46.1

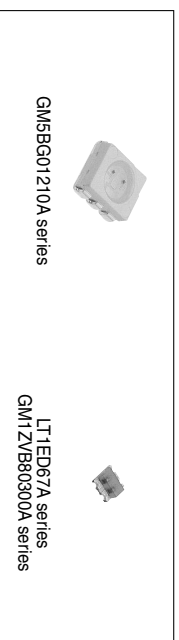
(If = 40 mA, Ta = 25°C)

Outline dimensions (mm)	Resin type			Luminous intensity (mcd) TYP.
	Colored diffusion	Colored transparency	Colorless transparency	
6.0 × 5.0 (T: 2.5)	Colored diffusion	Colored transparency	Colorless transparency	BC GC Blue + Green Luminous intensity (mcd) TYP. 300/860
			● Milky diffusion	
				BC ZR Blue + Red Luminous intensity (mcd) TYP. 300/580
				GC ZR Green + Red Luminous intensity (mcd) TYP. 860/580

■ DICHROMATIC TYPE CHIP LEADS (Taped models only)

(If = 20 mA, Ta = 25°C)

Outline dimensions (mm)	Resin type			Luminous intensity (mcd) TYP.
	Colored diffusion	Colored transparency	Colorless transparency	
1.6 × 1.6 (T: 0.8)	Colored diffusion	Colored transparency	Colorless transparency	EH Yellow-green + Yellow Luminous intensity (mcd) TYP. 19/8.3
			● Milky diffusion	
				ED Yellow-green + Red Luminous intensity (mcd) TYP. 19/8.3



■ HIGH-LUMINOSITY WHITE TYPE CHIP LEADS (with blue chip) (Taped models only)

(Ta = 25°C)

Outline dimensions (mm)	Color coordinates (x, y)	Radiation color	White BW	
			Luminous intensity (mcd) TYP.	Luminous intensity (mcd) TYP.
3.2 × 2.8 (T: 1.9)	(0.31, 0.3)	White	★ GM5BW95300A*1	1 100
6.0 × 5.0 (T: 1.5) 6-terminal leadless	(0.31, 0.31)	White	★ GM5BW01300A*3	4 200
6.0 × 5.0 (T: 2.5) 4-terminal leadless	(0.31, 0.31)	White	★ GM5BW01301A*2	1 800

*1 GM5BW95300A: If = 20 mA

*2 GM5BW01301A: If = 40 mA

*3 GM5BW01300A: If = 35 mA/chip



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Outline dimensions (mm)	Color coordinates (x, y)	Radiation color	VA	
				Luminous intensity (mcd) TYP. (900)
6.0 × 5.0 (T: 2.5) 4-terminal leadless	(0.33, 0.33)	White	GM5VA33331AC	450
	(0.34, 0.40)	Yellowish white	★ GM5VA34400AC	(700)
	(0.29, 0.27)	Purplish white	★ GM5VA29270AC	(350)
	(0.30, 0.50)	Greenish white	★ GM5VA30500AC	(900)

() indicates reference value.



GM5VA33331AC

■ HIGH-LUMINOSITY DICHROMATIC TYPE CHIP LEADS (RGB 3-color) (Taped models only)

(Ta = 25°C)

Outline dimensions (mm)	Resin type			Luminous intensity (mcd) TYP.
	Colored diffusion	Colored transparency	Colorless transparency	
1.6 × 1.6 (T: 0.55)			Milky diffusion	125/150/55
1.6 × 1.6 (T: 0.8)				80/92/30
6.0 × 5.0 (T: 2.5) 4-terminal leadless		●		850 [Mixed color]
6.0 × 5.0 (T: 2.5)* 6-terminal leadless		●		850 [Mixed color]
		●		250/400/350
		●		1 400 [Mixed color]
		●		1 725 [Mixed color]
		●		3 000 [Mixed color]
		●		850 [Mixed color]
		●		850 [Mixed color]
6.0 × 5.0 (T: 2.3 [resin part]) 6-terminal		●		1 400 [Mixed color]
6.0 × 5.0 (T: 1.5) 6-terminal leadless			★ GM5VA05360A*6	2 200 [Mixed color]

WA

Red + Green + Blue

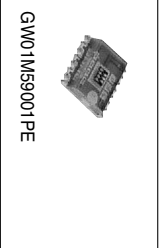
- *1 GM1WA55360A: If = 10 mA (Red, Green, Blue)
 *2 GM1WA80350A: If = 20 mA (Red), If = 10 mA (Green, Blue)
 *3 GM5WA02200A, GM5WA06203A, GM5WA06260A, GM5WA06200Z, GM5WA06203Z: If = 40 mA (Red, Green), If = 20 mA (Blue)
 *4 GMSWA06210A: If = 40 mA (Red, Green, Blue)
 *5 GMSWA06250A, GMSWA06250Z: If = 35 mA (Red, Green), If = 20 mA (Blue)
 *6 GMSWA06270A, GMSWA05360A: If = 35 mA (Red, Green, Blue)
 *7 GMSWA06270A: T: 2.4 mm

GM1WA55360A	GM1WA80350A	GMSWA02200A	GMSWA06203A	GMSWA06203Z	GMSWA06250A	GMSWA06250Z	GMSWA06270A	GMSWA05360A

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() indicates reference value.



GW01M59001PE

LED DRIVERS

Model No.	Description	Function	Supply voltage (V)	Package
★IR2D20N/U	24-dot LED panel driver with constant-current sink outputs	<ul style="list-style-type: none"> Output current (constant-current sink outputs) : 30 mA (MAX.) (setup by external resistor) Graduation function (clock cycle setting or external synchronization) Independent current control for three systems (for RGB LED) LED drive voltage : 15 V Rated output voltage : 20 V (MAX.) f_{CLK} : 20 MHz (MAX.) /16.6 MHz (MAX.) (at cascade connection) 	4.5 to 5.5	P-SQOP056-0600/ P-HQHN052-0707
★IR2D07N1	16-dot LED panel driver with constant-current sink outputs	<ul style="list-style-type: none"> Output current (constant-current sink outputs) : 60 mA (MAX.) (setup by external resistor) Rated output voltage : 7 V (MAX.) f_{CLK} : 20 MHz (MAX.) /16.6 MHz (MAX.) (at cascade connection) 	3.0 to 5.5	P-SQOP040-0300
★IR2E46U6/Y6	RGB LED driver for flash lights and illuminations	<ul style="list-style-type: none"> Output current : 155 mA/ch (MAX.) (3ch) (in flash mode) Control by I²C bus Illumination mode (64 levels/ch) Flash mode (32 levels/ch) Brightness adjustment 	2.7 to 4.5	P-VQFN032-0505/ WL-CSP*1
★IR2E47U6	White LED driver for back light	<ul style="list-style-type: none"> Output current : 20 mA (MAX.) (setup by external resistor) Independent current control for two systems (4 outputs and 2 outputs) LED non-connected judging function Brightness adjustment 	2.7 to 5.5	P-VQFN024-0404 (*2)
★IR2E48U6		<ul style="list-style-type: none"> Output current : 20 mA (MAX.) LED non-connected judging function Brightness adjustment 		P-VQFN024-0404

*1 WL-CSP : Wafer-level CSP

*2 Contact a SHARP sales office regarding a wafer-level CSP.

LED

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