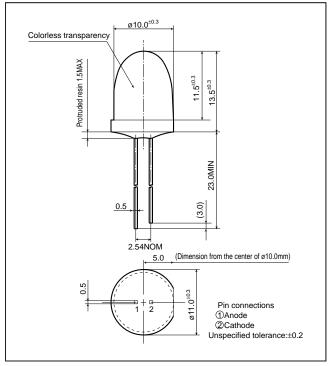
LT9560□ series

■ Outline Dimensions

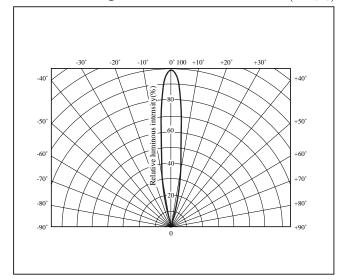




ø10mm, Cylinder Type, Colorless **Transparency, High-luminosity** Large LED lamps for Outdoor Use

■ Radiation Diagram

(Ta=25°C)



■ Absolute Maximum Ratings

 $(T_a=25^{\circ}C)$

$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$												(14-25 0)	
LT9560U Red(Super-luminosity) GaAlAs on GaAlAs 75 30 50 0.40 0.67 4 -25 to +85 -25 to +100 260 LT9560T Red(High-luminosity) GaAlAs on GaAs 110 50 300*2 0.67 4.00 5 -25 to +85 -25 to +100 260 LT9560D Red GaAsP on GaP 168 60 100 0.80 1.33 5 -25 to +85 -25 to +100 260 LT9560S Sunset orange GaAsP on GaP 168 60 100 0.80 1.33 5 -25 to +85 -25 to +100 260 LT9560H Yellow GaAsP on GaP 168 60 100 0.80 1.33 5 -25 to +85 -25 to +100 260 LT9560E Yellow-green GaP 168 60 100 0.80 1.33 5 -25 to +85 -25 to +100 260	Model No.	Radiation color		Power dissipation						1 0 1	C 1	Soldering temperature ${{\mathbf{T}_{\mathrm{sol}}}^{*3}}$	
LT9560T Red(High-luminosity) GaAlAs on GaAs 110 50 300*2 0.67 4.00 5 -25 to +85 -25 to +100 260 LT9560D Red GaAsP on GaP 168 60 100 0.80 1.33 5 -25 to +85 -25 to +100 260 LT9560S Sunset orange GaAsP on GaP 168 60 100 0.80 1.33 5 -25 to +85 -25 to +100 260 LT9560H Yellow GaAsP on GaP 168 60 100 0.80 1.33 5 -25 to +85 -25 to +100 260 LT9560E Yellow-green GaP 168 60 100 0.80 1.33 5 -25 to +85 -25 to +100 260				(mW)	(mA)	(mA)	DC	Pulse	(V)	(°C)	(°C)	(°C)	
LT9560D Red GaAsP on GaP 168 60 100 0.80 1.33 5 -25 to +85 -25 to +100 260 LT9560S Sunset orange GaAsP on GaP 168 60 100 0.80 1.33 5 -25 to +85 -25 to +100 260 LT9560H Yellow GaAsP on GaP 168 60 100 0.80 1.33 5 -25 to +85 -25 to +100 260 LT9560E Yellow-green GaP 168 60 100 0.80 1.33 5 -25 to +85 -25 to +100 260	LT9560U	Red(Super-luminosity)	GaAlAs on GaAlAs	75	30	50	0.40	0.67	4	-25 to +85	-25 to +100	260	
LT9560S Sunset orange GaAsP on GaP 168 60 100 0.80 1.33 5 -25 to +85 -25 to +100 260 LT9560H Yellow GaAsP on GaP 168 60 100 0.80 1.33 5 -25 to +85 -25 to +100 260 LT9560E Yellow-green GaP 168 60 100 0.80 1.33 5 -25 to +85 -25 to +100 260	LT9560T	Red(High-luminosity)	GaAlAs on GaAs	110	50	300*2	0.67	4.00	5	-25 to +85	-25 to +100	260	
LT9560H Yellow GaAsP on GaP 168 60 100 0.80 1.33 5 -25 to +85 -25 to +100 260 LT9560E Yellow-green GaP 168 60 100 0.80 1.33 5 -25 to +85 -25 to +100 260	LT9560D	Red	GaAsP on GaP	168	60	100	0.80	1.33	5	-25 to +85	-25 to +100	260	
LT9560E Yellow-green GaP 168 60 100 0.80 1.33 5 -25 to +85 -25 to +100 260	LT9560S	Sunset orange	GaAsP on GaP	168	60	100	0.80	1.33	5	-25 to +85	-25 to +100	260	
	LT9560H	Yellow	GaAsP on GaP	168	60	100	0.80	1.33	5	-25 to +85	-25 to +100	260	
T T9560, J Orange (Super-luminosity) AIGAINP 130 50 100 0.67 1.33 4.1 -25 to +85 -25 to +100 260	LT9560E	Yellow-green	GaP	168	60	100	0.80	1.33	5	-25 to +85	-25 to +100	260	
2:0000 (100) 100 (100) 110 (100) 110 (100) 110 (100) 110 (100) 110 (100) 110 (100) 110 (100) 110 (100)	LT9560J	Orange(Super-luminosity)	AlGaInP	130	50	100	0.67	1.33	4.1	-25 to +85	-25 to +100	260	
LT9560V Yellow(Super-luminosity) AlGaInP 130 50 100 0.67 1.33 4.1 -25 to +85 -25 to +100 260	LT9560V	Yellow(Super-luminosity)	AlGaInP	130	50	100	0.67	1.33	4.1	-25 to +85	-25 to +100	260	

^{*1} Duty ratio=1/10, Pulse width=0.1ms *2 Duty ratio=1/16, Pulse width≤1ms

■ Electro-optical Characteristics

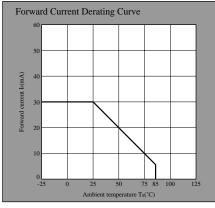
 $(T_a=25^{\circ}C)$

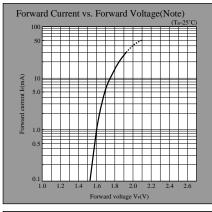
	Model No.	Forward voltage		Peak emission wavelength		Luminous intensity		Spectrum radiation bandwidth		Reverse current		Terminal capacitance		Page for
Lens type		V _F (V)						1 -						characteristics
		TYP	MAX	$\lambda_{P}(nm)$ TYP	(mA)	Iv(mcd) TYP	(mA)	Δλ(nm) TYP	(mA)	Ir(µA) MAX	(V)	C _t (pF)	(MHz)	diagrams
Colorless transparency	LT9560U	1.85	2.5	660	20	8 000	20	20	20	100	3	25	1	\rightarrow
	LT9560T	1.75	2.2	660	20	2 000	20	20	20	10	4	30	1	\rightarrow
	LT9560D	2.0	2.8	635	40	1 000	40	35	40	10	4	30	1	\rightarrow
	LT9560S	2.0	2.8	610	40	1 000	40	35	40	10	4	15	1	\rightarrow
	LT9560H	2.0	2.8	585	40	700	40	35	40	10	4	30	1	\rightarrow
	LT9560E	2.2	2.8	565	40	1 200	40	30	40	10	4	70	1	\rightarrow
	LT9560J	1.9	2.6	620	20	12 000	20	18	20	100	4	26	1	\rightarrow
	LT9560V	1.9	2.6	590	20	6 000	20	13	20	100	4	24	1	\rightarrow

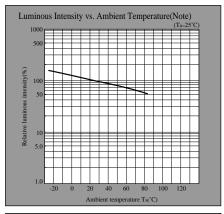
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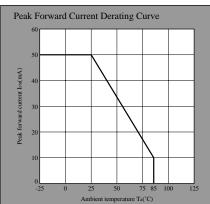
^{*3 5}s or less(At the position of 1.6mm or more from the bottom face of resin package)

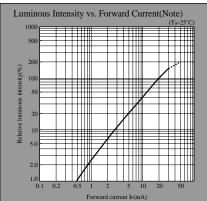
UR series

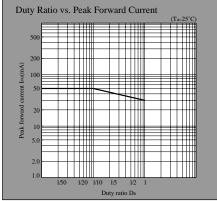




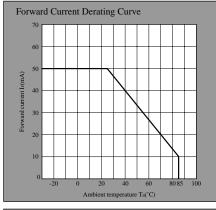


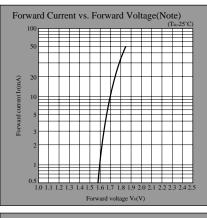


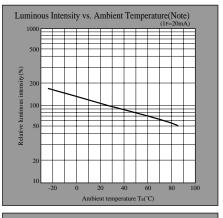


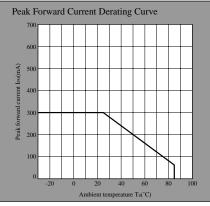


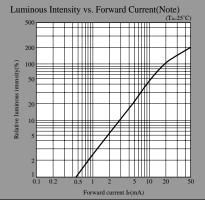
TR series

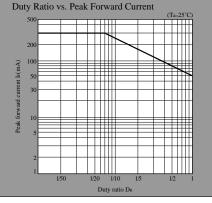








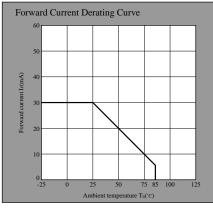


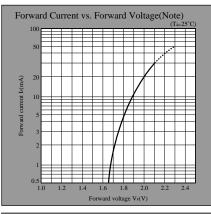


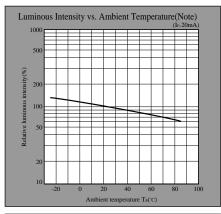
Note) Characteristics shown in diagrams are typical values. (not assurance value)

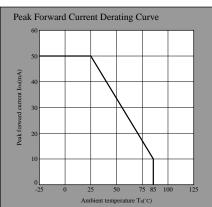
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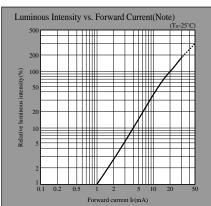
HS series

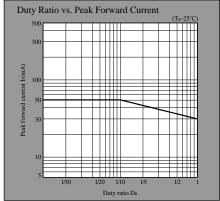




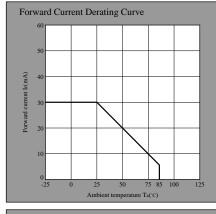


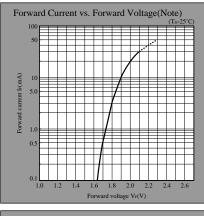


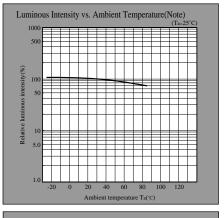


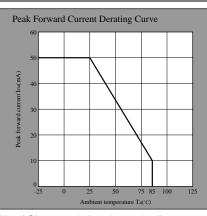


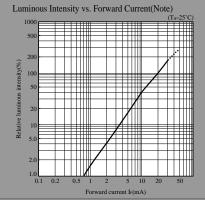
HY series

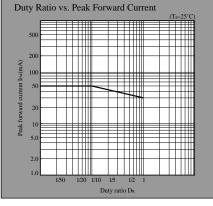








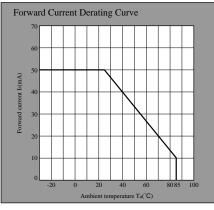


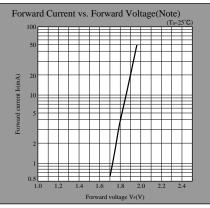


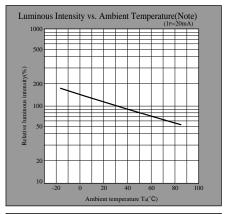
Note) Characteristics shown in diagrams are typical values. (not assurance value)

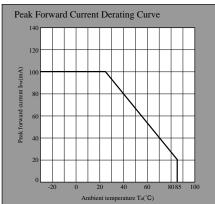
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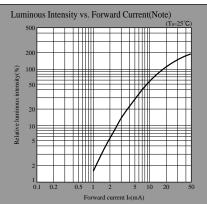
HV series

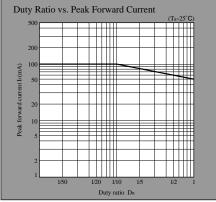




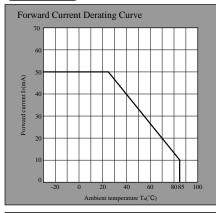


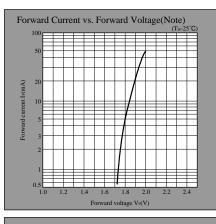


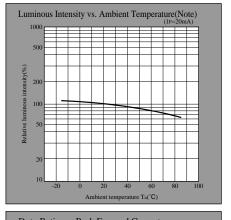


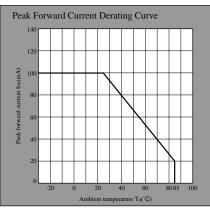


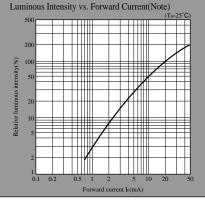
HJ series

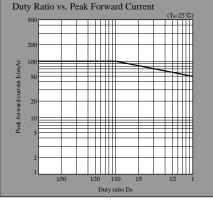








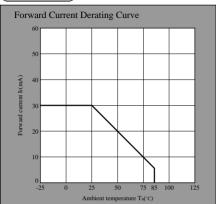


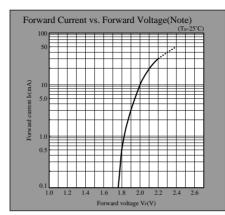


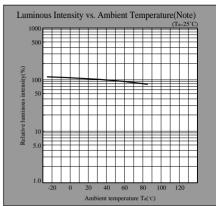
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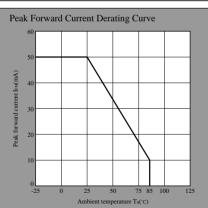
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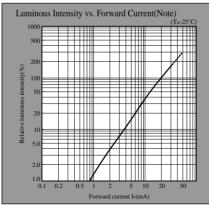
EG series

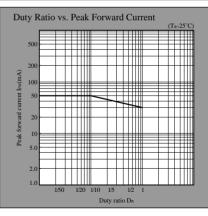






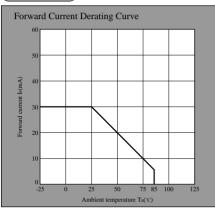


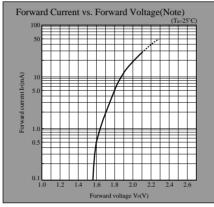


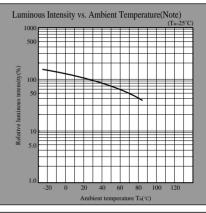


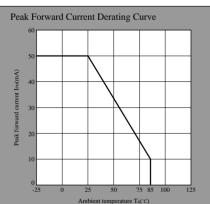
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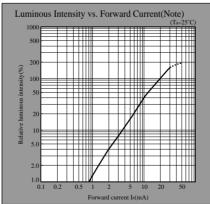
HD series

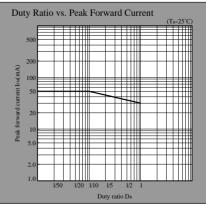












Note) Characteristics shown in diagrams are typical values. (not assurance value)