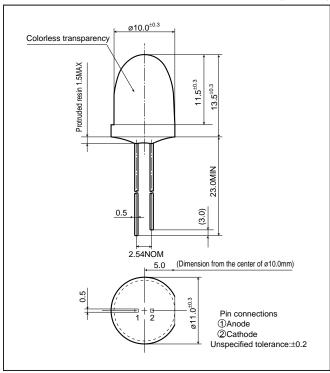
+50°

LT9560 □ series

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

■ Outline Dimensions

(Unit: mm)



(Ta=25°C) -50

■ Radiation Diagram

■ Absolute Maximum Ratings

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

											. ,
Model No.	Radiation color	Radiation material	Power dissipation P	Forward current IF	Peak forward current IFM*1	Derating factor (mA/°C)		Reverse voltage V _R	Operating temperature $\mathbf{T}_{\mathrm{opr}}$	Storage temperature $T_{\rm stg}$	Soldering temperature T_{sol}^{*3}
			(mW)	(mA)	(mA)	DC	Pulse	(V)	(°C)	(°C)	(°C)
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
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

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

■ Electro-optical Characteristics

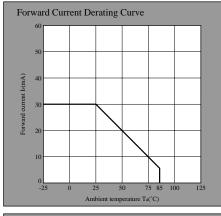
(T.-25°C)

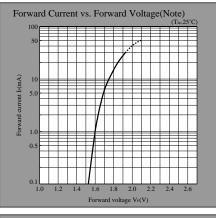
(1a=23 C														(1a-25 C)
Lens type	Model No.	Forward voltage V _F (V)		Peak emission wavelength		Luminous intensity		Spectrum radiation bandwidth		Reverse current		Terminal capacitance		Page for characteristics
		TYP	MAX	$\lambda_p(nm)$	I _F (mA)	Iv(mcd) TYP	I _F	Δλ(nm)	I _F (mA)	Ir(µA)	V _R (V)	C _t (pF)	(MHz)	diagrams
		IIP	MAA	TYP	(IIIA)	IIP	(mA)	TYP	(IIIA)	MAX	(v)	IIP	, ,	ulagiallis
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

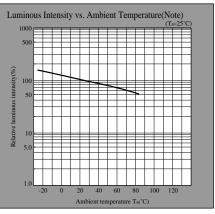
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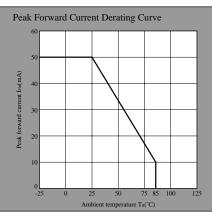
^{*3 5}s or less(At the position of 1.6mm or more from the bottom face of resin package)

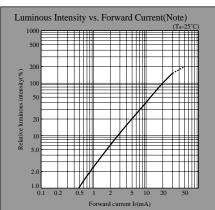
UR series

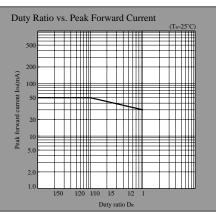




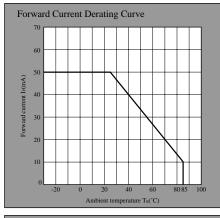


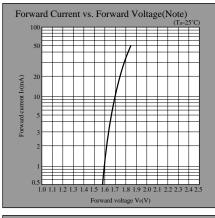


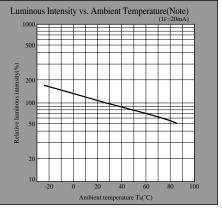


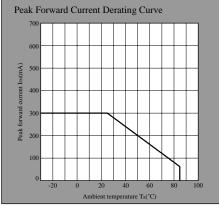


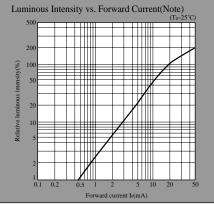
TR series

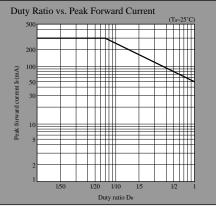








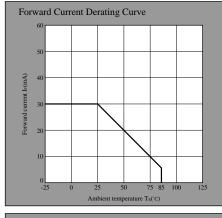


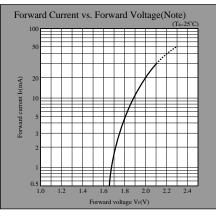


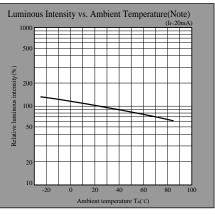
Note)Characteristics shown in diagrams are typical values. (not assurance value)

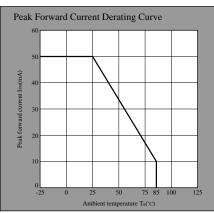
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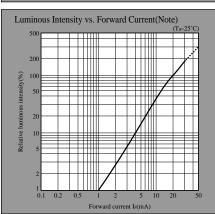
HS series

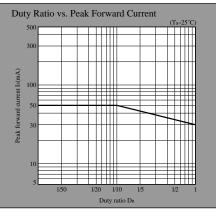




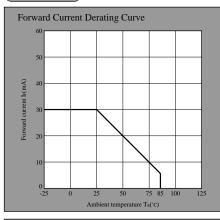


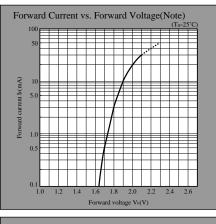


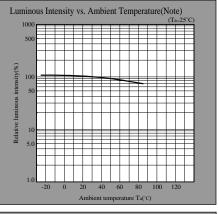


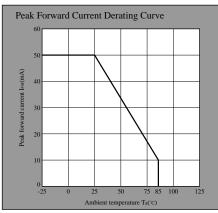


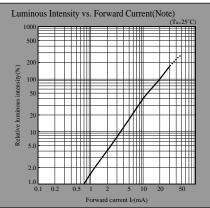
HY series

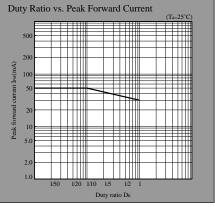








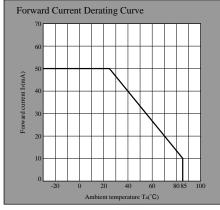


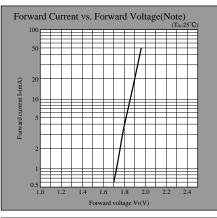


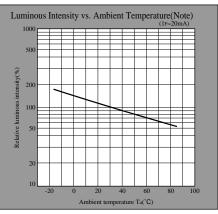
Note) Characteristics shown in diagrams are typical values. (not assurance value)

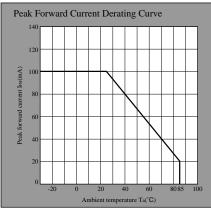
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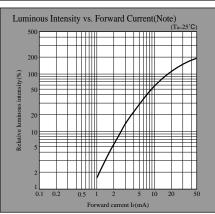
HV series

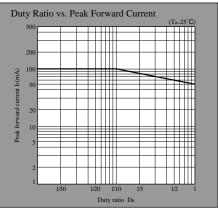




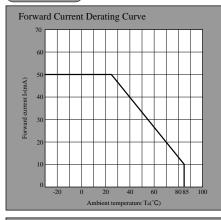


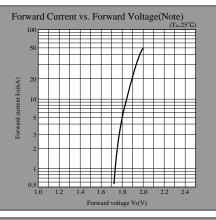


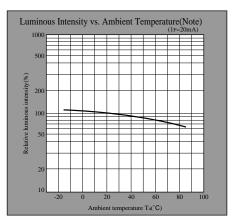


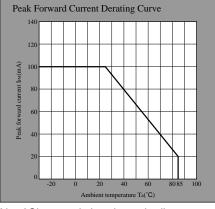


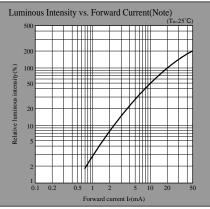
HJ series

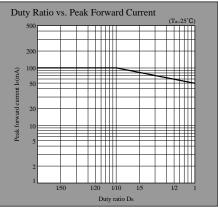










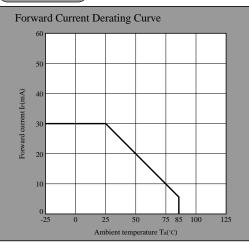


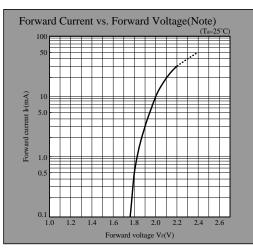
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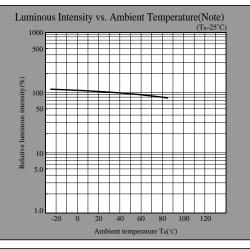
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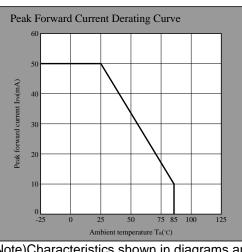
LED Lamp Characteristics Diagrams

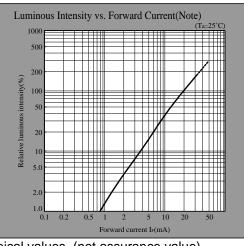
EG series

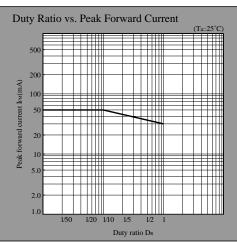






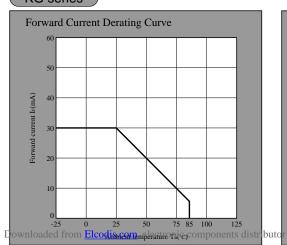


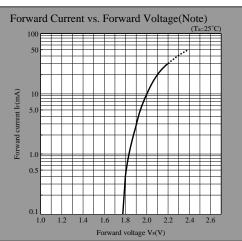


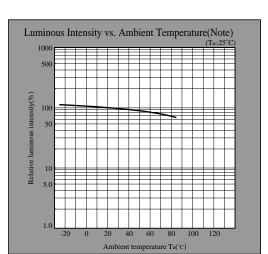


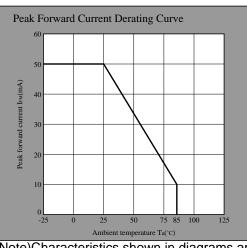
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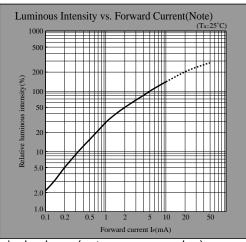
KG series

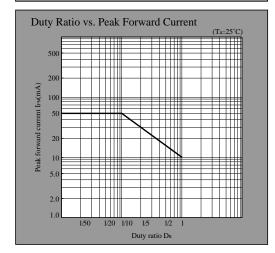






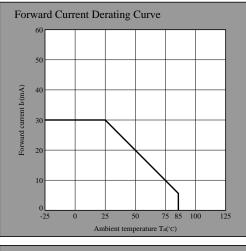


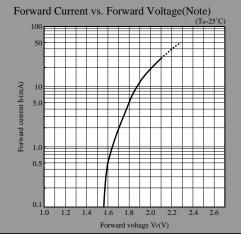


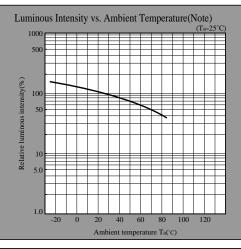


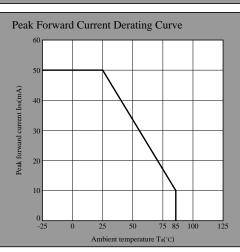
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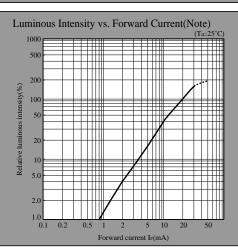
HD series

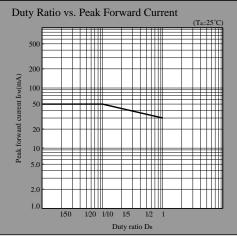












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(Notice)
(Internet)

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