

LED Lamps

φ 2, φ 3, φ 4 and φ 5, round frame type LEDs

Type No.	Wavelength		Plastic appearance	Absolute maximum ratings				Electro-optical characteristics (Ta = 25 °C)			
	nm/color	IF (mA)		VR (V)	Pd (mW)	T _{opr} (°C)	Typical Vf @ If		Typical luminous intensity @ If		Maximum IR (μA) †
							Vf (V)	If (mA)	Intensity (mcd)	If (mA)	
φ 2											
SLP-190B-51	700/R	Color diffused	25	3	70	-25 to 80	1.9	5	0.7	5	10
SLP-290B-51	565/G	Color diffused	25	3	70	-25 to 80	2.1	20	3	20	10
SLP-490B-51	585/Y	Color diffused	25	3	70	-25 to 80	2.1	20	6.5	20	10
φ 3											
SLP-135B-51	700/R	Color diffused	25	3	70	-25 to 80	1.9	5	1.2	5	10
SLP-235B-51	565/G	Color diffused	25	3	70	-25 to 80	2.1	20	4	20	10
SLP-435B-51	585/Y	Color diffused	25	3	70	-25 to 80	2.1	20	4.4	20	10
SLP-181B-51	700/R	Color diffused	25	3	70	-25 to 80	1.9	5	1	5	10
SLP-281B-51	565/G	Color diffused	25	3	70	-25 to 80	2.1	20	8	20	10
SLP-481B-51	585/Y	Color diffused	25	3	70	-25 to 80	2.1	20	10	20	10
SLP-181C-51	700/R	Colored clear	25	3	70	-25 to 80	1.9	5	2	5	10
SLP-381F-51	567/Y.G	Light colored clear	25	3	70	-25 to 80	2.1	20	20	20	10
SLP-481C-51	585/Y	Colored clear	25	3	70	-25 to 80	2.1	20	18	20	10
SLP-981A-51	630/U.R	Clear	25	3	70	-25 to 80	2.1	20	10	20	10
φ 4											
SLP-145B-51	700/R	Color diffused	25	3	70	-25 to 80	1.9	5	1.1	5	10
SLP-245B-51	565/G	Color diffused	25	3	70	-25 to 80	2.1	20	3.5	20	10
SLP-445B-51	585/Y	Color diffused	25	3	70	-25 to 80	2.1	20	5.6	20	10
φ 5											
SLP-136B-81	700/R	Color diffused	25	3	70	-25 to 80	1.9	5	2.7	5	10
SLP-236B-81	565/G	Color diffused	25	3	70	-25 to 80	2.1	20	10	20	10
SLP-136C-81	700/R	Colored clear	25	3	70	-25 to 80	1.9	5	11	5	10
SLP-236C-81	565/G	Colored clear	25	3	70	-25 to 80	2.1	20	50	20	10
SLP-138C-81	700/R	Colored clear	25	3	70	-25 to 80	1.9	5	7	5	10
SLP-238C-81	565/G	Colored clear	25	3	70	-25 to 80	2.1	20	20	20	10
SLP-938C-51	630/U.R	Colored clear	25	3	70	-25 to 80	2.1	20	60	20	10

† VR = 3 V

Triangular, square and microlamp type LEDs

Type No.	Wavelength		Plastic appearance	Absolute maximum ratings				Electro-optical characteristics (Ta = 25 °C)			
	nm/color	IF (mA)		VR (V)	Pd (mW)	T _{opr} (°C)	Typical Vf @ If		Typical luminous intensity @ If		Maximum IR (μA) †
							Vf (V)	If (mA)	Intensity (mcd)	If (mA)	
Square LEDs											
SLP-151B-51	700/R	Color diffused	25	3	70	-25 to 80	1.9	5	0.45	5	10
SLP-251B-51	565/G	Color diffused	25	3	70	-25 to 80	2.1	20	1.5	20	10
SLP-451B-51	585/Y	Color diffused	25	3	70	-25 to 80	2.1	20	2.8	20	10
SLP-153B-51	700/R	Color diffused	25	3	70	-25 to 80	1.9	5	0.55	5	10
SLP-253B-51	565/G	Color diffused	25	3	70	-25 to 80	2.1	20	15	20	10
SLP-453B-51	585/Y	Color diffused	25	3	70	-25 to 80	2.1	20	3.9	20	10
SLP-155B-81	700/R	Color diffused	25	3	70	-25 to 80	1.9	5	0.8	5	10
SLP-255B-81	565/G	Color diffused	25	3	70	-25 to 80	2.1	20	2.3	20	10
SLP-183B-81	700/R	Color diffused	25	3	70	-25 to 80	1.9	5	0.55	5	10
SLP-283B-81	565/G	Color diffused	25	3	70	-25 to 80	2.1	20	1.9	20	10
Triangular LEDs											
SLP-139B-51	700/R	Color diffused	25	3	70	-25 to 80	1.9	5	0.55	5	10
SLP-239B-51	565/G	Color diffused	25	3	70	-25 to 80	2.1	20	1.8	20	10
SLP-439B-51	585/Y	Color diffused	25	3	70	-25 to 80	2.1	20	2	20	10
SLP-176B-51	700/R	Color diffused	25	3	70	-25 to 80	1.9	5	0.58	5	10
SLP-276B-51	565/G	Color diffused	25	3	70	-25 to 80	2.1	20	1.8	20	10
SLP-476B-51	585/Y	Color diffused	25	3	70	-25 to 80	2.1	20	3.3	20	10
Microlamp LEDs											
SLP-103A	700/R	Clear	10	3	25	-20 to 60	1.8	5	0.2	5	10
SLP-203C	565/G	Colored clear	10	3	25	-20 to 60	1.9	5	0.25	5	10

*For package dimensions, see opto-device

† VR = 3 V