SLOAN
PRECISION OPTOELECTRONICS

Specifications 3mm LEDs
Spezifikationen 3mm LEDs
Spécifications 3mm LEDs

Yellow LEDs	**Electro-Optical-Characteristics Ta=25°C, IF=20mA**									
	Part-no.	Old part-no.	Peak Wavelenght (nm)	Luminous Intensity (mcd) min.	typ.	max.	Viewing angle 2Θ1/2	Forward Voltage VF (V) typ.	max.	Lens colour
	SLO-233Y-00011	**Y33U**	592	2'100	4'200	-	14°	2.25	2.60	waterclear
	SLO-233Y-00003	**Y30U**	592	600	1'200	-	40°	2.00	2.40	waterclear
	SLO-233Y-00005	**Y301**	585	-	30	-	35°	2.10	2.60	diffused
Amber LEDs	**Electro-Optical-Characteristics Ta=25°C, IF=20mA**									
	Part-no.	Old part-no.	Peak Wavelenght (nm)	Luminous Intensity (mcd) min.	typ.	max.	Viewing angle 2Θ1/2	Forward Voltage VF (V) typ.	max.	Lens colour
	SLO-233A-00003	**A301**	635	-	40	-	40°	2.00	2.60	diffused
Blue LEDs	**Electro-Optical-Characteristics Ta=25°C, IF=20mA**									
	Part-no.	Old part-no.	Peak Wavelenght (nm)	Luminous Intensity (mcd) min.	typ.	max.	Viewing angle 2Θ1/2	Forward Voltage VF (V) typ.	max.	Lens colour
	SLO-233B-00004	**B71G**	470	4'400	6'220	8'750	15°	3.20	3.50	waterclear
	SLO-233B-00003	**B41G**	462	1'380	2'500	2'760	30°	3.20	3.50	waterclear
Green LEDs	**Electro-Optical-Characteristics Ta=25°C, IF=20mA**									
	Part-no.	Old part-no.	Peak Wavelenght (nm)	Luminous Intensity (mcd) min.	typ.	max.	Viewing angle 2Θ1/2	Forward Voltage VF (V) typ.	max.	Lens colour
	SLO-233G-00014	**B41N**	522	17'600	26'000	34'800	15°	3.20	3.60	waterclear
	SLO-233G-00015	**B51N**	522	7'400	10'800	14'800	30°	3.20	3.50	waterclear
	SLO-233G-00006	**B301**	568	22	-	55	50°	2.20	2.60	diffused
Red LEDs	**Electro-Optical-Characteristics Ta=25°C, IF=20mA**									
	Part-no.	Old part-no.	Peak Wavelenght (nm)	Luminous Intensity (mcd) min.	typ.	max.	Viewing angle 2Θ1/2	Forward Voltage VF (V) typ.	max.	Lens colour
	SLO-233R-00004	**R30U**	635	2'800	5'500	-	40°	2.25	2.60	waterclear
	SLO-233R-00005	**R301**	700	-	8	-	35°	2.20	2.60	diffused
	SLO-233R-00015	**R33U**								
White LEDs	**Electro-Optical-Characteristics Ta=25°C, IF=20mA**									
	Part-no.	Old part-no.	Peak Wavelenght (nm)	Luminous Intensity (mcd) min.	typ.	max.	Viewing angle 2Θ1/2	Forward Voltage VF (V) typ.	max.	Lens colour
	SLO-233W-00004	**W37N**	5'500 - 9'000	9'480	12'900	18'960	20°	3.20	3.50	waterclear
	SLO-233W-00002	**W36N**	5'500 - 9'000	4'610	6'200	9'220	50°	3.20	3.50	waterclear
	SLO-233W-00001	**W32N**	5'500 - 9'000	2'520	3'400	5'040	60°	3.20	3.50	diffused

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Specifications are subject to change without notice – Änderungen die dem technischen Fortschritt dienen, sind vorbehalten – Réserve de modifications de toutes les données techniques

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Yellow LEDs	**Electro-Optical-Characteristics Ta=25°C, IF=20mA**									
	Part-no.	Old part-no.	Peak Wavelenght (nm)	Luminous Intensity (mcd) min.	typ.	max.	Viewing angle 2Θ1/2	Forward Voltage VF (V) typ.	max.	Lens colour
	SLO-234Y-00012	**Y54U**	593	12'000	-	27'300	15°	2.10	2.40	waterclear
	SLO-234Y-00005	**Y50U**	591	3'000	5'500	-	40°	2.10	2.50	waterclear
	SLO-234Y-00007	**Y501**	591	200	500	-	40°	1.90	2.40	diffused
Blue LEDs	**Electro-Optical-Characteristics Ta=25°C, IF=20mA**									
	Part-no.	Old part-no.	Peak Wavelenght (nm)	Luminous Intensity (mcd) min.	typ.	max.	Viewing angle 2Θ1/2	Forward Voltage VF (V) typ.	max.	Lens colour
	SLO-234B-00010	**B91G**	465	4'880	9'300	13'950	15°	3.20	3.50	waterclear
	SLO-234B-00005	**B21G**	475	3'010	4'700	6'020	30°	3.20	3.50	waterclear
	SLO-234B-00008	**B61G**	465	1'150	-	2'500	45°	3.20	3.60	waterclear
Green LEDs	**Electro-Optical-Characteristics Ta=25°C, IF=20mA**									
	Part-no.	Old part-no.	Peak Wavelenght (nm)	Luminous Intensity (mcd) min.	typ.	max.	Viewing angle 2Θ1/2	Forward Voltage VF (V) typ.	max.	Lens colour
	SLO-234G-00024	**G81N**	525	21'650	37'700	43'300	15°	3.20	3.50	waterclear
	SLO-234G-00021	**G71N**	523	3'320	6'500	9'200	45°	3.20	3.50	waterclear
	SLO-234G-00009	**G501**	574	80	250	-	44°	2.40	2.80	diffused
Red LEDs	**Electro-Optical-Characteristics Ta=25°C, IF=20mA**									
	Part-no.	Old part-no.	Peak Wavelenght (nm)	Luminous Intensity (mcd) min.	typ.	max.	Viewing angle 2Θ1/2	Forward Voltage VF (V) typ.	max.	Lens colour
	SLO-234R-00015	**R54U**	635	12'000	-	27'300	15°	2.10	2.40	waterclear
	SLO-234R-00006	**R50U**	627	2'500	3'200	5'500	30°	2.20	2.50	waterclear
	SLO-234R-00014	**R521**	635	50	80	-	22°	2.00	2.60	diffused
White LEDs	**Electro-Optical-Characteristics Ta=25°C, IF=20mA**									
	Part-no.	Old part-no.	Peak Wavelenght (nm)	Luminous Intensity (mcd) min.	typ.	max.	Viewing angle 2Θ1/2	Forward Voltage VF (V) typ.	max.	Lens colour
	SLO-234W-00006	**W55N**	5'500 - 9'000	22'000	27'000	44'000	20°	3.20	3.50	waterclear
	SLO-234W-00001	**W50N**	5'500 - 9'000	1'610	2'380	3'220	65°	3.20	3.50	diffused
Red/Green LEDs	**Electro-Optical-Characteristics Ta=25°C, IF=20mA**									
	Part-no.	Old part-no.	Peak Wavelenght (nm)	Luminous Intensity (mcd) min.	typ.	max.	Viewing angle 2Θ1/2	Forward Voltage VF (V) typ.	max.	Lens colour
	SLO-2360-00009	**RG5F**	627 (red)	6	13	-	60°	2.00	2.50	diffused
			565 (green)	12	29	-		2.20	2.50	
	Electro-Optical-Characteristics Ta=25°C, IF=20mA									
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	SLO-2360-00006	**RGKW** common cathode	645 (red)	80	198	-	60°	1.95	2.50	diffused
			674 (green)	80	178	-		2.10	2.50	
	SLO-2360-00007	**RGVW** common anode	660 (red)	600	1'195	-	24°	1.85	2.50	waterclear
			565 (green)	80	198	-		2.20	2.50	

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