

Infrared LED								
Model	Size (mm)	Lens Color	Chip Material	VF (V)	Ir(V=5V) (μA)	WLP (nm)	1/2θ (°)	Po (mW)
ESL-3TRCIR1C-UEI	3	Water clear	GaAlAs/GaAlAs	1.3	10	940	45	8
ESL-329EIR1C-UEI	3	Water clear	GaAlAs/GaAlAs	1.4	10	940	50	12
ESL-509EIR1C	5	Water clear	GaAlAs/GaAlAs	1.3	10	940	45	15
ESL-516CIR1C	5	Water clear	GaAlAs/GaAlAs	1.3	10	940	30	15
ESL-526CIR1B1C	5	Blue transparent	GaAlAs/GaAlAs	1.3	10	940	30	12
ESL-526EIR4C	5	Water clear	GaAlAs/GaAlAs	1.3	10	850	30	12

UV LED					
Model	VF (V)	Ir(V=5V) (μA)	WLP (nm)	1/2θ (°)	Po (mW)
ESS-3535UVC0-TH-UV1	3.9(4.4max)	2	365-370	150	19(10-30)
ESS-3535UVC0-TH-UV2		2	370-375	150	40(30-60)
ESS-3535UVC1-TH-UV1	4(4.6max)	2	375-380	150	95(80-140)
ESS-3535UVC1-TH-UV2		2	380-385	150	108(80-150)
ESS-3535UVC2-TH-UV1	4(4.6max)	2	385-395	150	150(100-280)
ESS-3535UVC2-TH-UV2		2	395-405	150	170(120-300)
ESS-5050UVC0-TH	3.5-4.4max	2	365-375	120	10-45
ESS-5050UVC1-TH	3.4-4.2	2	380-385	120	60-100

3mmRound LED							
Model	Color	Chip Material	VF (V)	Ir(V=5V) (μA)	WLD (nm)	1/2θ (°)	Iv (mcd)
ESL-R3A40ARCN100	Red	GaAsAlP & GaAsP	2.1	10	623	100	1200
ESL-R3C40SRDN179		GaP/GaP	2	10	640	120	10
ESL-R3040SRTN202		GaAsP/GaP	1.8	10	640	60	40
ESL-R3040HBDE034	Blue	GaInN/GaN	3.2	10	468	60	800
ESL-R3044HBWE045		GaInN/GaN	3.5	10	470	60	700
ESL-R3044UBCE200		GaInN/GaN	3.2	10	470	20	1500
ESL-R3240SGDP041	Green	GaP/GaP	2.2	10	570	60	18
ESL-R3045LPGCE086		GaInN/GaN	3.2	10	520	25	9000
ESL-R3C40HYDP082	Yellow	GaAsP/GaP	2	10	588	120	8
ESL-R3040AYCN099		GaAlInP/GaAs	2	10	589-594	40	3500
ESL-R3040HYTP097		GaAsP/GaP	2	10	588	30	60
ESL-R3040VOTP020	Orange	GaAlInP/GaAs	2.1	10	600-610	20	4000
ESL-R3046HRDP219-TBS2	RED DIFFUSED	GaAlInP/GaAs	2.00	10	620-630	60	100-250
ESL-R3046HRDP219-TBS2	RED DIFFUSED	GaAlInP/GaAs	2.00	10	620-630	60	100-250
ESL-R3046GDP145-TBS20	Green Diffused	GaP/GaP	1.8-2.4	10	570-575	80	100-250
ESL-R5032AYCN175	yellow water clear	GaAlInP/GaAs	2.0-2.3	10	588-593	35	4500
ESL-R3040GDP126-TBS18	Green Diffused	GaP/GaP	2.0-2.6	10	565-573	30	100

ESL-R3040HRDP310-TBS1	Red Diffused	GaAsP/GaP	1.8-2.4	10	635	30	250
ESL-R3040HRCPP310-TBS1	Red water clear	GaAsP/GaP	1.8-2.4	10	635	30	300
ESL-R3040GCP126-TBS185	Green water clear	GaP/GaP	2.0-2.6	10	565-573	30	200
ESL-R3040ARCN215	Red water clear	GaAlnP/GaAs	2.0-2.4	10	620-630	30	5500-7000
ESL-R3040LPGCE071	Green water clear	GaInN/GaN	2.9-3.6	10	520-530	30	9000-13000
ESL-R3040VBCE095	Blue water clear	GaInN/GaN	2.9-3.6	10	465-475	20	4000-5000
ESL-R3071HBW009-F	Blue	Blue DIFFUSED	2.8-5.0	10	465-475	60	80
ESL-R3071HRW007-F	Red	Red DIFFUSED	2.8-5.0	10	620-630	60	45
ESL-R3071HYW010-F	Yellow	Yellow DIFFUSED	2.8-5.0	10	585-593	60	60
ESL-R3071UGW008-F	Green	Green DIFFUSED	2.8-5.0	10	515-525	60	80
ESL-R3940HRCPP239	Red	Water Clear	1.9-2.1	10	630-640	40	1300-1800
ESL-R3044HBWE045	Blue	WHITE DIFFUSED	3.5-4	10	470	60	700
ESL-R3040GDP058	Green	Green DIFFUSED	2.0-2.6	10	565-573	60	20-40
ESL-R3044UBCE040	Blue	Water Clear	2.8-3.6	10	465-475	15	2000-5000
ESL-R3040SRDN174	Red	Red DIFFUSED	1.8-2.4	10	635-645	60	50-60
ESL-R3044UBCE040(Rev.1)	Blue	Water Clear	2.8-3.6	10	465-470	20	3000-5000
ESL-R3140HYCP158	Yellow	Water Clear	1.8-2.3	10	589-594	30	1000-2000
ESL-R3671SOSOD057	Orange	Orange DIFFUSED	1.8-2.4	10	600-610	60	20
ESL-R3044VRCP253	Red	Water Clear	2.00	10	620-628	25	2500
ESL-R3050HYCP168	Yellow	Water Clear	2.10	10	589	80	200
ESL-R3050SRCN357	Red	Water Clear	1.80	10	643	60	55
ESL-R3040GDP058	Green	Green diffused	2.0-2.6	10	565-573	60	20-30
ESL-R3040HYDP077	Yellow	Yellow DIFFUSED	2.0-2.6	10	584-593	60	15-25
ESL-R3040HRDP366	Ultra Red	Red Diffused	1.8-2.4	10	620	50	2000-5000mcd

Model	Color	Chip Material	VF (V)	Ir(V=5V) (μA)	CCT (K)	Iv (mcd)	1/2θ
ESL-R3044CWE103	White	GaInN/GaN	3.2	10	8000-10000	8000	
ESL-R3044TWCE026		GaInN/GaN	3.0-3.6	10	6000	8000	
ESL-R3044TWWE081		GaInN/GaN	3.0-3.6	10	6000-8000	6000	

ESL-R3044WWCE074	Warm White	GaInN/GaN	2.9-3.6	10	2800-3200	8000-10000	1/2θ=30°
ESL-R3044TWWE081	White	White DIFFUSED	3.0-3.6	10	6000-8000	6000	1/2θ=45°
ESL-R3044TWWE182	Ture White	White Diffused	2.8-3.4	5	6000-7000	2000-5000mcd	1/2θ=80°

5mmRound LED							
Model	Color	Chip Material	VF (V)	Ir(V=5V) (μA)	CCT (K)	Iv (mcd)	
ESL-R5A44NWCE038	White	GaInN/GaN	3.0-3.6	10	4000-4500	12000	
ESL-R5D44WWCE097		GaInN/GaN	3.2	10	2500-2800	1500	
ESL-R5044CWCE026		GaInN/GaN	3.0-3.6	10	9000-20000	18000-25000	

ESL-R5044WWCE070	Warm White	GaInN/GaN	2.9-3.6	10	2800-3200	10000-15000	1/2θ=30°
ESL-R5044TWCE071	Nature White	GaInN/GaN	2.9-3.6	10	4000-4500	10000-15000	
ESL-R5044WWCE073	Warm White	GaInN/GaN	2.9-3.6	10	2800-3200	12000-17000	
ESL-R5044WWCE074	Warm White	GaInN/GaN	2.9-3.6	10	2800-3200	6000-7000	
ESL-R5044TWCE073	Nature White	GaInN/GaN	2.9-3.6	10	4000-4500	12000-17000	
ESL-R2044WWCE075	Warm White	GaInN/GaN	2.9-3.6	10	2800-3200	6500-8500	1.8mm

ESL-R5044CWCE166	Cool White	Water Clear	2.8-3.4	10	7000-9000	6000-15000	1/2θ=35-50
ESL-R5044TWCE049	Cool White	Water Clear	3.0-3.6	10	6500	25000	1/2θ=15
ESL-R5044UWCE151	White	Water Clear	2.8-3.6	10	4000-5000	8000-12000	1/2θ=30°
ESL-R5044TWW-R	White	White DIFFUSED	12-14	10	6500	2000	1/2θ=30°
ESL-R5444UWCE019	White	Water Clear	3.0-3.5	10	6500	1800	1/2θ=120°
ESL-R5BUWT018	White	Water Clear	3.0-3.6		5500-6500	18000-25000	1/2θ=15°
ESL-R5044CWCE026	Cool White	Water Clear	3.0-3.6		9000-20000	18000-25000	1/2θ=15°

5mmRound LED

Model	Color	Chip Material	VF (V)	Ir(V=5V) (μA)	WLP (nm)	1/2θ (°)	Iv (mcd)
ESL-R5A32HRCP084	Red	GaAlInP/GaAs	2.1	10	625	18	2000-3000
ESL-R5A33HRDP100		GaAlInP/GaAs	2.1	10	632	30	400
ESL-R5032SRTN196	Blue	GaP/GaP	2	10	640	60	100
ESL-R5A44VBCE060		GaInN/GaN	3.2	10	468	15	4000
ESL-R5I44VBWE070		GaInN/GaN	3.2	10	470	90	100
ESL-R5032ODP025	Orange	GaAlInP/GaAs	2	10	606	30	1500
ESL-R5I32SODP019		GaAlInP/GaAs	2.1	10	605	60	150
ESL-R5A32HYCP095	Yellow	GaAsP/GaP	2	10	588	20	300
ESL-R5A32HYTP096		GaAsP/GaP	2	10	588	20	300
ESL-R5A32SYDP033		GaAsP/GaP	2	10	588	60	70
ESL-R5032HYD-R		GaAsInP/GaAsP	14	10	590	30	850
ESL-R5745HYCP063	Green	GaAlInP/GaAs	2.1	10	590	80	300
ESL-R5A44LPGCE059		GaInN/GaN	3.2	10	520	15	25000
ESL-R5B44LPGCE018		GaInN/GaN	2.8-4.0	10	520	15	13900
ESL-R5I44LPGWE057		GaInN/GaN	3.2	10	525	90	600
ESL-R5044LPGD-R		GaInN/GaN	14	10	525	30	2800
ESL-R5I21GCP020		GaP/GaP	2.2	10	570-573	30	400
ESL-R5I21GDP020		GaP/GaP	2.2	10	568-573	50	70
ESL-R5I21GTP020		GaAlInP/GaAs	2.3	10	565-573	50	230

ESL-R5A32LRCP212	Red Diiffused	GaAsP/GaP	1.9-2.4	10	620-630	30	8-15
ESL-R5A33GCP076	Green Diiffused	GaP/GaP	1.8-2.4	10	567-573	30	6-12
ESL-R5A32HYCP113	Yellow Diiffused	GaAsP/GaP	1.8-2.4	10	584-590	30	12-20
ESL-R5A44VBCE096	Blue Diiffused	InGaN/GaN	3.0-3.6	10	460-470	30	320-400
ESL-R5A32ARCN214	Red water clear	GaAlInP/GaInP	1.8-2.4	10	620-630	20	7000-9000
ESL-R5A44LPGCE070	U-Green water clear	GaInGN/GaN	2.9-3.6	10	520-530	30	18000-23000
ESL-R5A32AYCP112	U-Yellow water clear	GaAlInP/GaAlP	1.8-2.2	10	590-594	20	6500-8500
ESL-R5A44VBCE097	U-Blue water clear	InGaN/GaN	3.0-3.6	10	465-475	20	7500-8500
ESL-R5A32VOCP035	U-Orange water clear	GaAlInP/GaAlP	1.8-2.4	10	600-610	30	2000-2600
ESL-R5A44UPCE009	Purple water clear	InGaN/GaN	3.0-3.6	10	390-410	30	80-120
ESL-R5032HRDP384-TBS20	Red Diffused	GaAlInP/GaAs	1.8-2.4	10	620-625		200-400
ESL-R5032GDP154-TBS20	Yellow Green	Green Diffused	1.8-2.4	10	569-571		50-200
ESL-R5071HBWO13-F	Blue	Blue DIFFUSED	2.8-5.0		465-475	60	80
ESL-R5071HRW011-F	Red	Red DIFFUSED	2.8-5.0		620-630	60	45
ESL-R5071HYW014-F	Yellow	Yellow DIFFUSED	2.8-5.0		585-593	60	60
ESL-R5071UGW012-F	Green	Green DIFFUSED	2.8-5.0		515-525	60	80
ESL-R5A32HRW015-R	Red	Red DIFFUSED	12-14		625	30	800

ESL-R5A44HBW017-R	Blue	Blue DIFFUSED	12-14		470	30	800
ESL-R5A44UGW016-R	Green	Green DIFFUSED	12-14		525	30	2800
ESL-R5BLBC018	Blue	Water Clear	3.2-3.4		465-470	15	14000
ESL-R5BUPGC018	Green	Water Clear	3.2-3.4		520-525	20	10000
ESL-R5CHYC020	Yellow	Water Clear	2.0-2.4		590-595	20	10000
ESL-R5CLOC020	Orange	Water Clear	2.0-2.2		600-605	20	4000
ESL-R5A33ARCN114	Red	Water Clear	1.8-2.4		625	25	6000
ESL-R5044LPGD-R	Green	Green DIFFUSED	12-14		525	30	2800
ESL-R5032HYD-R	Yellow	Yellow DIFFUSED	12-14		590	30	850
ESL-R5032HRDP276	Red	Red DIFFUSED	1.8-2.4		620-630	60	15-30
ESL-R5032VRDP259	Red	Red DIFFUSED	1.8-2.4		620-630	30	700-1000
ESL-R5K32VRDP273	Red	Red DIFFUSED	1.8-2.4		625	60	400
ESL-R5K44LPGDE096	Green	Green DIFFUSED	2.8-3.4		522	60	1800
ESL-R5132ARCN302	Red	Water Clear	1.8-2.4		625	15	15000
ESL-R5032AYCN160	Yellow	Water Clear	2.0-2.6		587	20	10000
ESL-R5032HRCP332	Red	Water Clear	1.8-2.4		620-630	30	1000-2000
ESL-R5022GCP131	Yellow Green	Water Clear	2.0-2.6		569-575	15	450
ESL-R5022HYCP159	Yellow	Water Clear	1.8-2.4		588-594	30	1200
ESL-R5022HRCP333	Red	Water Clear	1.8-2.4		620-630	30	2000
ESL-R5032HYDP147	Yellow	Yellow DIFFUSED	2.20		589	40	50mcd@20mA ; 25mcd@10mA
ESL-R5032GDP121	Green	Green diffused	1.8-2.4		570-575	40	30mcd@10mA ; 50mcd@20mA
ESL-R5032UBDE154	Blue	Blue DIFFUSED	2.8-3.6		465-475	55	350
ESL-R5032HRDP360	Red	Red DIFFUSED	2.00		620-625	30	60mcd@20mA ; 30mcd@10mA
ESL-R5B33ARCP265	Red	Water clear	2.00	10	620-630nm	40	Typical4500mcd
ESL-R5B32ARCN330-A	Red	Water Clear	2.00	10	620-630nm	10	8500mcd
ESL-R5032HRCN350	Red	Water Clear	2.00	10	620-630nm	10	24000mcd
ESL-R5032ABCE149	Blue	Water Clear	2.00	10	470nm	40	1300mcd
ESL-R5032URDP304-TBSX	Red	Red diffUSED	1.8-2.4	10	635-640nm	60	20-100
ESL-R5032LPGDE135	Green	Green DIFFUSED	3.00	10	521	60	800-1000mcd
ESL-R5032HRDP367	Ultra Red	Red Diffused	2.10	10	623	60	200-500mcd
ESL-R5032HYDP174	Yellow	Yellow Diffused	2.10	10	587	60	100-400mcd
ESL-R5032HBCE151	Blue	Water Clear	3.0-3.4	10	465-470nm	30	1500-2500mcd

Flashing type

ESL-R50RGBCA-PYD	RGB flashing	2Bin,inside IC	Red. 1.5-2.5V	Flash frequency 1.7	645-650nm	140	800mcd
			Green 3-4.0V		520nm-530nm	120	1500mcd
			Blue 3-4.0V		465-475nm	120	1000mcd
ESL-R5022URC-FX-WH	Red	water clear	2.2-3V		620-630		1500-3200mcd
ESL-R5022HRC-FX-WH	Red	Red DIFFUSED	2.2-3V		620-630nm		320-750mcd,

8mm Round Dip

ESL-R8134LPGW062	Green	White DIFFUSED	2.8-3.5		515-525	60	1000
ESL-R819ESRWP375	Ultra Red	White DIFFUSED	1.8-2.3		620-630	50	450-700mcd
ESL-R8344UBCE110	Blue	Water clear	2.8-3.4		463-465	40	4000mcd

Square LED

Model	Color	Size (mm)	Chip Material	VF (V)	Ir(V=5V) (μA)	WLD (nm)	1/2θ (°)	Iv (mcd)
ESL-S6340VRDP168	Red	2.6*7.0*7.6	GaAsP/GaP	2.1	10	625	140	150
ESL-S6740SRDN175		2*5*7	GaAsP/GaP	1.8	10	640	140	20
ESL-S6540ODP080	Orange	2*5*7	GaAsP/GaP	2	10	604	120	6
ESL-S6340HYDP067	Yellow	2.6*7.0*7.6	GaAsP/GaP	2.1	10	590	140	80
ESL-S4540SGDP005	Green	2*3*4	GaP/GaP	2.2	10	569	160	45
ESL-S6340HGDP056		2.6*7.0*7.6	GaP/GaP	2.1	10	570	140	65
ESL-S6440UGCP035		2*5*7	GaP/GaP	2	10	568	110	90

ESL-S6440HRCP309-TBS16	red water clear	2.0*5.0*7.0mm	GaAsP/GaP	1.8-2.4	10	625	100	30
ESL-S6440GCP127-TBS185	Green DIFFUSED	2.0*5.0*7.0mm	GaP/GaP	2.0-2.6	10	565-573	100	30
ESL-S6440GDP138	Green	0*5.0*7.0mm SQUARE	Green DIFFUSED	2.00	10	565-575	120	50
ESL-S6440HYDP163	Yellow	0x7.0 mm RECTANG	Yellow Diffused	1.8-2.4	10	586-593	150	60
ESL-S6440LPGD129	Green	0x7.0 mm RECTANG	Green Diffused	2.8-3.6	10	515-525	180	50
ESL-S6440LPGDP129	Green	0*5.0*7.0mm SQUARE	Green DIFFUSED	2.8-3.2	10	520	60	1000
ESL-S6432HRDP314	Red	0*5.0*7.0mm SQUARE	Red DIFFUSED	2.0-2.4		630-640	100	200

Elliptical LED

Model	Color	Size (mm)	Chip Material	VF (V)	Ir(V=5V) (μA)	WLD (nm)	1/2θ (°)	Iv (mcd)
ESL-H346ARDE100-HCA	Red	3	GaAlInP/GaAs	2	10	625	110(x)50(y)	1000
ESL-H5423ARDN103		5	GaAlInP/GaAs	2	10	625	110(x)50(y)	800
ESL-H5432ARCN216		5	GaAlInP/GaAs	2	10	625	50(x)25(y)	3000(min)
ESL-H3532SOCP017	Orange	3	GaAlInP/GaAs	2	10	606	80(x)40(y)	800
ESL-H5425LPGDE031	Green	5	GaInN/GaN	3.2	10	525	110(x)50(y)	1600
ESL-H3532HBCE053	Blue	5	GaInN/GaN	3.2	10	470	80(x)40(y)	1000
ESL-H5425HBDE038		5	GaInN/GaN	3.2	10	470	110(x)50(y)	400

ESL-H3532SOCP017	Orange Water Clear	3		2.0-2.2	10	600-610	40	600-1000
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Model	Color	Size (mm)	Chip Material	VF (V)	Ir(V=5V) (μA)	CCT (K)	Iv (mcd)
ESL-H5444TWWE079	White	5	GaInN/GaN	3.2	10	10463	5000

Concave LED

Model	Color	Size (mm)	Chip Material	VF (V)	Ir(V=5V) (μA)	WLD (nm)	Iv (mcd)
ESL-V5044HBCE110	Blue	5	GaInN/GaN	3	10	470	120
ESL-V50RGC010-CC	RGB water clear	GaAlInP/GaAlP&GaInN/GaN&GaInN/GaN	1.8-3.4	5	623;517;468	30	2200; 6500; 1200
ESL-V50RGC010-CA	RGB water clear	GaAlInP/GaAlP&GaInN/GaN&GaInN/GaN	1.8-3.4	5	623;517;468	30	2200; 6500; 1200

Model	Color	Size (mm)	Chip Material	VF (V)	Ir(V=5V) (μA)	CCT (K)	Iv (mcd)
ESL-V3044WWCE098	Warm White	3	GaN/GaN	3.2	10	2200-2600	900
ESL-V5044CWCE101	Cold White	5	GaN/GaN	3	10	9883	300-500
ESL-V5044WWCE099	Warm White	5	GaN/GaN	3	10	2680	300-500

ESL-V5125WWCE118	Warm White	mm DIA LED (concave)		2.8-3.4		X:0.48 Y:0.45	800-1000
ESL-V3044TWCE108	White clear	3mm CONCAVE		3.0-3.4		6000-8000	1000

RGB Dip LED

Model	Size (mm)	Shape	Chip Material	VF (V)	Ir(V=5V) (μA)	WLD (nm)	1/2θ (°)	Iv (mcd)
ESL-R5ARGBC05-TF	5	Round	GaAlInP/GaAs	1.8-2.4	10	620-630	45	20-28
			GaN/GaN	3.0-3.6	10	510-525	45	120-150
			GaN/GaN	3.0-3.6	10	455-465	45	30-55
ESL-R50RGC01-MF	5	Round	GaAlInP/GaAs	1.8-2.4	10	620-630	45	900-1600
			GaN/GaN	3.0-3.6	10	517-525	45	4500-6500
			GaN/GaN	3.0-3.6	10	455-462	45	850-1500

Two Color LED

Model	Color	Size (mm)	Shape	Chip Material	VF (V)	Ir(V=5V) (μA)	WLD (nm)	1/2θ (°)	Iv (mcd)
ESL-R3A71UBUBD037	Blue & Blue	3	Round	GaN/GaN	3.2	10	465-475	110	200
ESL-R3A71UOUOD028	Orange & Orange	3		GaAlInP/GaAs	2.1	10	600-610	110	250
ESL-R3071HBURW019	Blue & Red	3		GaN/GaN	2.8-3.4	10	470	60	200
				GaAsInP/GaAsP	1.8-2.4	10	624	60	450
ESL-R3091GHRW024	Red & White	3		GaAlInP/GaAs	1.8-2.6	10	568-573	60	30
ESL-R3091URYGC056	Red & Green	3		GaAlInP/GaAs	1.8-2.4	10	620-630	60	150
				GaAsP/GaP	1.8-2.4	10	620-635	60	300
ESL-R3971LPGARDW049	Green & Red	3		GaP/GaP	1.8-2.6	10	565-570	60	550
				GaAsInP/GaAsP	2	10	624	60	1000
ESL-S6171GUOW027	Green & Orange	2*3*4		GaN/GaN	3.2	10	520	60	900
			GaAsP/GaP	2.0-2.4	10	605	150	8	
ESL-S6794RGW033W	Red & Green	2*5*7	GaP/GaP	2.0-2.4	10	569	150	15	
			GaAsP/GaP	1.8-2.4	10	568-573	140	25	
ESL-V50RBC007	Red & Blue	5	Concave	GaP/GaP	1.8-2.6	10	626	140	15
				GaAlInP/GaAs	1.8-2.4	10	620-630	120	20-28
GaN/GaN	3.0-3.6	10		455-465	120	30-55			
GaAlInP/GaAs	1.8-2.4	10		620-630	120	20-28			
ESL-V50RGC008	Red & Green	5	GaN/GaN	3.0-3.6	10	515-520	120	120-150	

ESL-V50RGC008	Green & Red (white)	5	Concave	GaAsP/GaAs &	1.8-2.6	10	567-573	60	15-25
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ESL-R5071RPGW072-CC	diffused lens)	5	Round	GaP/GaP	1.8-2.4	10	620-630	50	25-35
ESL-R5071RPGW072-CC	Green & Red (white diffused lens)	5	Round	GaAsP & GaP	Green 2.8-3.5	5mA	515-530	50	4-6LM
					Red 1.8-2.5	5mA	620-630		1.5-3.5LM

SMD

Type	Model	Size(mm*mm)	Color	VF (V)	IR	Iv	WLD (nm)	1/2θ (°)	Testing Condition
0603	ESS-0603CPGC-OMG	1.6x0.8	Pure Green	2.6-3.2	10	90-285mcd	515-520	120	IF=20mA
0805	ESS-0805HRC-MT	2.0x1.25	Red	1.8-2.4	10	100mcd	620-625	120	IF=20mA
1206	ESS-1206QAC-T7	1.2*0.6	Ultra Orange	1.8-2.4	10	100mcd	600-610	120	IF=20mA
	ESS-1206R6C-OMG		Red	1.8-2.1		92mcd	620-625	140	
3528	ESS-3528AYJP10-KDS	3.5*2.8	Yellow	1.8-2.4	10	1-3 lm	589-595	120	IF=20mA
5050	ESS-5050RGBC-T3	5.0*5.0	Red	2.4	10	750 mcd	620	120	IF=60mA
			Green	3.6		1700 mcd	525		
			Blue	3.6		400 mcd	469		

0603	ESS-0603W-C01-OMG	1.6x0.8	White	2.6-3.2	10	90-285mcd		120	IF=5mA
	ESS-0603B1C-C01-OMG	1.6x0.8	Blue	2.6-3.3	10	11.5-72mcd	455.5-475.5	120	IF=5mA
	ESS-0603Y3C-A01-OMG	1.6x0.8	Yellow	1.75-2.35	10	45-140mcd	585.5-594.5	120	IF=20mA
	ESS-0603LPG-C01-OMG	1.6x0.8	Pure Green	2.6-3.2	10	90-285mcd	520-535	120	IF=5mA
	ESS-0603HRC-C01-OMG	1.6x0.8	Red	1.75-2.35	10	7.1-45mcd	625.5-637.5	120	IF=5mA
	ESS-0603HGC-C01-OMG	1.6x0.8	yellow Green	1.75-2.35	10	7.2-28.5mcd	567.5-575.5	120	IF=5mA
805	ESS-0603LPGC-OMG	1.6x0.8	Green	2.6-3.2	10	95-285mcd	520-530	120	IF=5mA
	805	2.0x1.25	White	3.0-3.5	10	225-715mcd		150	IF=20mA
	ESS-0805HYC-A01-OMG	2.0x1.25	Yellow	1.75-2.35	10	28.5-112mcd	588.5-594.5	140	IF=20mA
	ESS-0805GHC-OMG	2.0x1.25	Pure Green	2.45-3.65	10	45-180mcd	520-535	140	IF=5mA
	ESS-0805HOC-A02-OMG	2.0x1.25	Orange	1.75-2.35	10	90-180mcd	600.5-609.5	140	IF=20mA
	ESS-0805HRC-A01-OMG	2.0x1.25	Red	1.75-2.35	10	45-112mcd	617.5-633.5	140	IF=20mA
	ESS-0805LPGC-OMG	2.0x1.25	Pure Green	2.7-3.1	10	112-285mcd	520-535	140	IF=20mA

2835	ESS-2835AMC-F12-WR	2.8x3.5	High Super Amber	2.6	10	>2500mcd	604	120	IF=50mA
	ESS-2835UBC-M82-WR	2.8x3.5	Ultra Super Blue	2.8-3.4	10	500-900mcd	452-462	120	IF=50mA
	ESS-2835HRC-F12-WR	2.8x3.5	High super red	2.5	10	2000mcd	620	120	IF=50mA
	ESS-2835UGC-M23-WR	2.8x3.5	Ultra super green	2.9-3.4	10	1100-2000mcd	520-528	120	IF=50mA
	ESS-2835UYC-M12-WR	2.8x3.5	High Super Yellow	2.5	10	1800mcd	593	120	IF=50mA
5050	ESS-5050RGBC-TE	5.0*5.0	Red	1.8-2.4	10	600-720	620-630	20	IF=20mA
			Green	3.0-3.6	10	1000-1300	520-530	35	
			Blue	3.0-3.6	10	300-450mcd	465-475	35	
	ESS-5050RGBC-T3	5.0*5.0	Red	1.9-2.3	10	200-400mcd	620-628	120	IF=20mA
Green	2.9-3.5	10	620-1300mcd	520-528	120				
3528	ESS-3528UYC-HK	3.5x2.8	Blue	2.9-3.4	10	1.5-2.0Lm	445-475	120	IF=20mA
			Pure Green	2.9-3.4	10	5-6LM	530nm	120	IF=20mA
			Ultra Red	1.8-2.3	10	2-2.5LM	622nm	120	IF=20mA
			Ultra Yellow	1.8-2.3	10	2-3LM	590nm	120	IF=20mA

1206	ESS-1206R6C-OMG	3.2x1.6	Red	1.8-2.3	10	57-180mcd	632nm	130	IF=20mA
	ESS-T1206HBC-MT1	3.2x1.6	High Blue	2.75-3.65	10	140-285mcd	460-475nm	130	IF=20mA
	ESS-T1206LPGC-MT1	3.2x1.6	Pure Green	2.7-3.7	10	225-565mcd	515-535nm	130	IF=20mA
	ESS-1206HGC-A01-OMG	3.2x1.6	High Green	1.75-2.35	10	28.5-72mcd	571.5-577.5nm	130	IF=20mA

Type	Model	Size (mm*mm)	Color	VF (V)	IR	Iv	CCT(K)	1/2θ (°)	Testing Condition
3528	ESS-3528AP3JX-KDS	3.5*2.8	White	2.9-3.5	10	6-8lm	7000	120	IF=20mA
	ESS-3528CWD-ZM	3.5*2.8		3.2-3.5	10	6lm	6000	120	IF=20mA
3014	ESS-3014TWW80-SA	3.0*1.4	White	3.2 (3.5max)	10	12-14lm	5500-6500	120	IF=30mA
2835	ESS-2835NWDT-R80-WR	2.8*3.5	White	3.0-3.4	10	22-26lm	3500-4700	120	IF=60mA
	ESS-2835UWDT-R80-WR						4700-7000		
	ESS-2835WWDT-R80-WR						2800-3500		
5730	ESS-5730NWDT-R80-WR	5.7*3.0	White	3.0-3.6	10	55-65lm	3500-4700	120	IF=150mA
	ESS-5730UWDT-R80-WR						4700-7000		
	ESS-5730WWDT-R80-WR						2600-3500		

2835, 5730 more type

LED Digital Display

Type	Model	Size (inch)	Drive Model	Color	Vf (V)	WLD (nm)	Iv (mcd)
Single digit	ESD-010LPGBW-FZ	1.0	C/A	Green	3.0-3.5	512.5-515	200-300
	ESD-010YGBW-FZ	1.0	C/A	Yellow Ggreen	2.0-2.5	568-573	8/10
	ESD-10URBW-CAS1	1.0	C/A	Red	1.9-2.5	630-637	23-28
	ESD-023SRBR-FZ	2.3	C/A	Red	7.6-10	630-637	23-28
	ESD-039SRBW-CCS1	0.39	C/C	Red	1.7-2.2	640-649	10/13
	ESD-056BGBW-CAS1	0.56	C/A	Green	3.0-3.5	512.5-515	200-300
	ESD-056HBBW-CAS1	0.56	C/A	Blue	3.0-3.5	460-463	70-100
	ESD-056URBW-CAS1	0.56	C/A	Red	1.9-2.5	630-637	23-28
	ESD-056UWBW-CAS5	0.56	C/A	White	9.0-10.5	460-467	70-100
	ESD-080SRBW-FZ	0.80	C/A	Red	1.9-2.5	630-637	23-28
	ESD-100BGBW-CAS1	1.0	C/A	Green	3-3.5	512.5-515	200-300
	ESD-100HBBW-CAS1	1.0	C/A	Blue	3-3.5	460-465	75-85
	ESD-100HYBW-CAS1	1.0	C/A	Yellow	1.9-2.5	585-592	70-100
Dual Digit	ESD-400SRBW-FZ	4.0	C/A	Red	7.6-10	630-637	23-28
	ESD-036UR2BW-CCS1	0.36	C/C	Red	1.9-2.5	630-637	23-28
	ESD-036BG2BW-CCS1	0.36	C/C	Green	3-3.5	512.5-515	200-300
	ESD-036HB2BW-CCS1	0.36	C/C	Blue	3-3.5	460-465	70-100

Three Digit	ESD-036UR3BW-CCS1	0.36	C/C	Red	1.9-2.5	630-637	23-28
	ESD-036HB3BW-CCS1	0.36	C/C	Blue	3-3.5	460-465	70-100
	ESD-036BG3BW-CCS1	0.36	C/C	Green	3-3.5	512.5-515	200-300
	ESD-036HB3BW-S2	0.36	C/A	Blue	3.0(3.4max)	465(467.5max)	180(190max)
	ESD-040YG3BW-FZ	0.4	C/A	Yellow Green	2.0-2.5	570-573	15-20
Four Digit	ESD-056UR4BW-CAS1	0.56	C/A	Red	1.9-2.5	630-637	23-28
	ESD-056HB4BW-CAS1	0.56	C/A	Blue	3-3.5	460-465	70-100
	ESD-056UW4BW-CAS1	0.56	C/A	White	3-3.5		70-100

Display (7segment) we have more type as per customised

Display SMT type we have more type

High Power LED									
Type	Model	Color	Luminous Flux Φv (lm)	WLD λd (nm)	Forward Voltage VF (V)	Power Dissipation PD (W)	1/2θ (°)	Thermal Resistance RθJ-B (°C/W)	Testing Condition
1W	ESH-1WABC-GT	Blue	15-25	460-470	3-3.6	1.05-1.26	120	12	IF=750mA
	ESH-1WARC-GT	Red	40-60	620-630	2-2.6	0.80-1.04			
	ESH-1WLPGC-GT	Pure Green	70-90	520-530	3-3.6	1.05-1.26			
3W	ESH-3WABC-GT	Blue	30-50	460-470	3.5-4.5	2.63-3.375			
	ESH-3WARC-GT	Red	60-80	620-630	2.2-2.8	1.76-2.24			
	ESH-3WAYC-GT	Yellow	60-80	588-593	2.2-2.8	1.76-2.24			
10W	ESH-3WLPGC-GT	Pure Green	120-140	520-530	3.5-4.5	2.63-3.38			
	ESH-10WABC-GT	Blue	150-250	460-470	30-36	10.5-12.6			
	ESH-10WARC-GT	Red	300-500	620-630	20-26	10.4			
	ESH-10WAYC-GT	Yellow	400-500	588-593	20-26	10			
20W	ESH-10WLPGC-GT	Pure Green	700-800	520-530	30-36	10.5			
	ESH-20WABC-GT	Blue	300-500	460-470	30-36	21			
	ESH-20WARC-GT	Red	800-1000	620-630	20-26	20			
	ESH-20WAYC-GT	Yellow	800-1000	588-593	20-26	20			
50W	ESH-20WLPGC-GT	Pure Green	1400-1600	520-530	30-36	21			
	ESH-50WABC-GT	Blue	750-1250	460-470	30-36	52.5			
	ESH-50WARC-GT	Red	2000-2500	620-630	20-26	50			
	ESH-50WAYC-GT	Yellow	2000-2500	588-593	20-26	50			
100W	ESH-50WLPGC-GT	Pure Green	3500-4000	520-530	30-36	52.5			
	ESH-100WABC-GT	Blue	1500-2500	460-470	30-36	105			
	ESH-100WARC-GT	Red	4000-5000	620-630	20-26	100			
	ESH-100WAYC-GT	Yellow	4000-5000	588-593	20-26	100			
300W	ESH-100WLPGC-GT	Pure Green	7000-8000	520-530	30-36	105			
	ESH-300WABC-GT	Blue	4500-7500	460-470	45-54	315			
	ESH-300WARC-GT	Red	12000-15000	620-630	30-39	300			
	ESH-300WAYC-GT	Yellow	12000-15000	588-593	30-39	300			
300W	ESH-300WLPGC-GT	Pure Green	21000-24000	520-530	45-54	300			
									IF=8000mA

3W	ESS-RGB-CC	Red clear	40-50	620-625	2.0-2.4	3W	120
		Green Clear	75-85	520-525	3.0-3.6	3W	120
		Blue Clear	12-18	460-465	3.0-3.6	3W	120

3W	ESS-RGB-CA	Red clear	40-50	620-625	2.0-2.4	3W	120
		Green Clear	75-85	520-525	3.0-3.6	3W	120
		Blue Clear	12-18	460-465	3.0-3.6	3W	120

Type	Model	Color	Luminous Flux Φ _v (lm)	CCT(K)	Forward Voltage VF (V)	CRI	1/2θ (°)	Thermal Resistance RθJ-B (°C/W)	Testing Condition
3W	ESH-700DWPC007	Warm White	190-210	2800-3200	3.0-3.6	80	120	10	IF=700mA
1W	ESH-350DWPC006	Warm White	10-110	2800-3200	3-3.4	80	120	10	IF=350mA

COB and High power (White)

Type	Model	Color	Luminous Flux Φ _v (lm)	CCT(K)	Forward Voltage VF (V)	CRI	1/2θ (°)	Thermal Resistance RθJ-B (°C/W)	Testing Condition
10W	0053-ESH-10WUWC-GT	Cool White	1000-1100	6000-6500	30-34	60-90	120	1.2	350mA
20W	0055-ESH-20WUWC-GT	Cool White	2000-2200	6000-6500	30-34	60-90	120	0.6	700mA
30W	0057-ESH-30WUWC-GT	Cool White	3000-3300	6000-6500	30-34	60-90	120	0.4	1050mA
50W	0059-ESH-50WUWC-GT	Cool White	5000-5500	6000-6500	30-34	60-90	120	0.24	1750mA
70W	0061-ESH-70WUWC-GT	Cool White	7000-7700	6000-6500	30-34	60-90	120	0.17	2450mA
10W	0052-ESH-10WWWWC-G1	Warm White	1000-1100	2700-3000	30-34	60-90	120	1.2	350mA
20W	0054-ESH-20WWWWC-G1	Warm White	2000-2200	2700-3000	30-34	60-90	120	0.6	700mA
30W	0056-ESH-30WWWWC-G1	Warm White	3000-3300	2700-3000	30-34	60-90	120	0.4	1050mA
50W	0058-ESH-50WWWWC-G1	Warm White	5000-5500	2700-3000	30-34	60-90	120	0.24	1750mA
70W	0060-ESH-70WWWWC-G1	Warm White	7000-7700	2700-3000	30-34	60-90	120	0.17	2450mA
3W with sink	ESH-700WWPC-P-S3	Warm White	>190	2800-3200	3.4-3.8	>80	120	10	350mA
3W	ESH-700WWPC-S3	Warm White	>190	2800-3200	3.4-3.8	>80	120	10	350mA
1W	ESH-350WWPC-S1	Warm White	>90	2800-3200	3.0-3.4	>80	120	10	350mA
1W with sink	ESH-350WWPC-P-S3	Warm White	>90	2800-3200	3.0-3.4	>80	120	10	350mA
10W	0038-ESH-10WTWC-GT	Nature White	1000-1100	4000-4500	30-34	60-90	120	1.2	350mA
20W	0039-ESH-20WTWC-GT	Nature White	2000-2200	4000-4500	30-34	60-90	120	0.6	700mA
30W	0040-ESH-30WTWC-GT	Nature White	3000-3300	4000-4500	30-34	60-90	120	0.4	1050mA
50W	0041-ESH-50WTWC-GT	Nature White	5000-5500	4000-4500	30-34	60-90	120	0.24	1750mA
70W	0042-ESH-70WTWC-GT	Nature White	7000-7700	4000-4500	30-34	60-90	120	0.17	2450mA
80W	0043-ESH-80WTWC-GT	Nature White	8000-8800	4000-4500	30-34	60-90	120	0.15	2800mA
100W	0044-ESH-100WTWC-G	Nature White	10000-11000	4000-4500	30-34	60-90	120	0.12	3500mA
150W	0045-ESH-150WTWC-G	Nature White	13500-15000	4000-4500	30-34	60-90	120	0.08	5250mA
1W with sink	ESH-350TWPC-P-S3	Nature White	>100	4000-4500	3.0-3.4	>80	120	10	350mA
1W	ESH-350TWPC-S1	Nature White	>100	4000-4500	3.0-3.4	>80	120	10	350mA
3W with sink	ESH-700TWPC-P-S3	Nature White	>100	4000-4500	3.0-3.4	>80	120	10	350mA
3W	ESH-700TWPC-S3	Nature White	>100	4000-4500	3.0-3.4	>80	120	10	350mA