



# QUELIGHTING

Sustainable Lighting Solution



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## SMD



Product Type	Power (Watt)	Quelighting Part number	Dimension (mm)	Brightness (lm/mcd)	View angle	Color	CCT	Drive current (mA)	Vf typ (V)	Max. Current (mA)
3014 side view	0.2	QLSP01WXF	3.0x1.4x1.38	20	120	White	2700K~6500K	60	3.0	60
3014 side view	0.2	QLSP01RF	3.0x1.4x1.38	600	120	Red	620-630	30	2.2	30
3014 side view	0.2	QLSP01YF	3.0x1.4x1.38	500	120	Amber	588-595	30	3.0	30
3014 side view	0.2	QLSP01ORF	3.0x1.4x1.38	700	120	Orange	600-610	30	3.0	30
3014 side view	0.2	QLSP01BF	3.0x1.4x1.38	500	120	Blue	460-470	30	3.0	30
3014 side view	0.2	QLSP01GF	3.0x1.4x1.38	1600	120	Green	520-530	30	3.0	30

Product Type	Power (Watt)	Quelighting Part number	Dimension (mm)	Brightness (lm)	View angle	Color	Wd (nm)	Drive current (mA)	Vf typ (V)	Max. Current (mA)
2835	1	QLSP19BH	2.8x3.5x0.7	20	120	Blue	470~480	150	3.2	300
2835	1	QLSP19GH	2.8x3.5x0.7	65	120	Green	515~535	150	3.2	300
2835	1	QLSP19CAH	2.8x3.5x0.7	65	120	PC Amber	NA(588~595)	150	3.2	300
2835	1	QLSP19RH	2.8x3.5x0.7	30	120	Red	615~630	150	2.2	300
2835	1	QLSP19WXU	2.8x3.5x0.7	80	120	White	2700~6500K	150	3	300
2835	1	QLSP19WC2PCAH	2.8x3.5x0.7	70/60	120	White/PC Amber	6500K/1800K	150	3	150

Product Type	Power (Watt)	Quelighting Part number	Dimension (mm)	Brightness (lm)	View angle	Color	Wd (nm)	Drive current (mA)	Vf typ (V)	Max. Current (mA)
3030	2.5	QLSP04RBU	3.0x3.0x0.6	25	120	Royal Blue	450~460	350	3.2	700
3030	2.5	QLSP04BU	3.0x3.0x0.6	40	120	Blue	465~480	350	3.2	700
3030	2.5	QLSP04CGU	3.0x3.0x0.6	70	120	Cyan Green	495~515	350	3.2	700
3030	2.5	QLSP04GU	3.0x3.0x0.6	100	120	Green	515~535	350	3.2	700
3030	2	QLSP04RU	3.0x3.0x0.6	50	120	Red	615~630	350	2.2	700
3030	2.5	QLSP04PCAU	3.0x3.0x0.6	100	120	PC Amber	588~595	350	3.2	700

## Highpower



Product Type	Power (Watt)	Quelighting Part number	Dimension (mm)	Brightness (lm)	View angle	Color	Wd (nm)	Drive current (mA)	Vf typ (V)	Max. Current (mA)
2020 Flat	4	QLSP20BEU	2.0x2.0x0.85	40	120	Blue	465~480	350	3.2	1050
2020 Flat	4	QLSP20GEU	2.0x2.0x0.85	110	120	Green	515~535	350	3.2	1050
2020 Flat	4	QLSP20PCEU	2.0x2.0x0.85	100	120	PC Amber	588~595	350	3.2	1050
2020 Flat	2.5	QLSP20REU	2.0x2.0x0.85	60	120	Red	615~630	350	2.2	1050
2020 Flat	4	QLSP20WCEU	2.0x2.0x0.85	150	120	White	5000~6500K	350	3.2	1050

Product Type	Power (Watt)	Quelighting Part number	Dimension (mm)	Brightness (lm)	View angle	Color	Wd (nm)	Drive current (mA)	Vf typ (V)	Max. Current (mA)
2020	4	QLSP20BAU	2.0x2.0x1.65	40	120	Blue	465~480	350	3.2	1000
2020	4	QLSP20GAU	2.0x2.0x1.65	125	120	Green	515~530	350	3.2	1000
2020	4	QLSP20PCAAU	2.0x2.0x1.65	100	120	PC Amber	588~595	350	3.2	1000
2020	2.5	QLSP20RAU	2.0x2.0x1.65	68	120	Red	615~630	350	2.2	1000
2020	4	QLSP20WCAU	2.0x2.0x1.65	140	120	White	5000~6500K	350	3.2	1000

Product Type	Power (Watt)	Quelighting Part number	Dimension (mm)	Brightness (lm)	View angle	Color	Wd (nm)	Drive current (mA)	Vf typ (V)	Max. Current (mA)
3535	4	QLSP07BAU	3.5x3.5x2.0	40	120	Blue	465~480	350	3	1200
3535	4	QLSP07GAU	3.5x3.5x2.0	100	120	Green	515~535	350	3	1200
3535	4	QLSP07PCAAU	3.5x3.5x2.0	110	120	PC Amber	588~595	350	3	1200
3535	2.5	QLSP07RAU	3.5x3.5x2.0	60	120	Red	615~630	350	2.2	1000
3535	5	QLSP07WCAU	3.5x3.5x2.0	170	120	White	5300K~6500K	350	3	1500



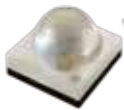
## UVA 3030

Product Type	type	Power (watt)	Quelighting Part number	Dimension (mm)	Radiant Power (mW)	View angle	Wd (nm)	Drive current (mA)	Vf typ (V)	Max. Curent (mA)
3030	Silicon	2	QLUV04J3U	3.0x3.0x0.6	310	120	405	350	3.2	700
3030	Silicon	2	QLUV04H3U	3.0x3.0x0.6	365	120	420	350	3.2	700



## UVA 3535

Product Type	type	Power (watt)	Quelighting Part number	Dimension (mm)	Radiant Power (mW)	View angle	Wd (nm)	Drive current (mA)	Vf typ (V)	Max. Curent (mA)
3535	Silicon	3	QLUV07M3SAM	3.5x3.5x2.0	750	120	365	500	3.5	700
3535	Silicon	3	QLUV07L3SAM	3.5x3.5x2.0	850	120	385	500	3.5	700
3535	Silicon	3	QLUV07K3SAM	3.5x3.5x2.0	850	120	395	500	3.2	700
3535	Silicon	3	QLUV07J3SAM	3.5x3.5x2.0	850	120	405	500	3.2	700
3535	Silicon	3	QLUV07H3SAM	3.5x3.5x2.0	850	120	420	500	3.2	700
3535	Quartz glass	3	QLUV07M3QCV	3.5x3.5x2.5	1050	60	365	700	3.7	1000
3535	Quartz glass	3	QLUV07L3QCV	3.5x3.5x2.5	1250	60	385	700	3.5	1000
3535	Quartz glass	3	QLUV07K3QCV	3.5x3.5x2.5	1250	60	395	700	3.5	1000
3535	Quartz glass	3	QLUV07J3QCV	3.5x3.5x2.5	1250	60	405	700	3.5	1000
3535	Quartz glass	4	QLUV07M5GEP	3.5x3.5x1.5	700	120	365	500	3.7	1000
3535	Quartz glass	5	QLUV07L5GEP	3.5x3.5x1.5	850	120	385	500	3.5	1500
3535	Quartz glass	5	QLUV07K5GEP	3.5x3.5x1.5	850	120	395	500	3.5	1500
3535	Quartz glass	5	QLUV07J5GEP	3.5x3.5x1.5	850	120	405	500	3.5	1500
3535	Quartz glass	4	QLUV07M5GCP	3.5x3.5x2.83	650	60	365	500	3.7	1000
3535	Quartz glass	5	QLUV07L5GCP	3.5x3.5x2.83	800	60	385	500	3.5	1500
3535	Quartz glass	5	QLUV07K5GCP	3.5x3.5x2.83	800	60	395	500	3.5	1500
3535	Quartz glass	5	QLUV07J5GCP	3.5x3.5x2.83	800	60	405	500	3.5	1500



## UVA 7070/6868

Product Type	type	Power (watt)	Quelighting Part number	Dimension (mm)	Radiant Power (mW)	View angle	Wd (nm)	Drive current (mA)	Vf typ (V)	Max. Curent (mA)
7070	Quartz glass	20	QLUV10M20GCW	7.0x7.0x4.5	3000	60	365	1000	8.4	2000
7070	Quartz glass	20	QLUV10L20GCW	7.0x7.0x4.5	3100	60	385	1000	7.6	3000
7070	Quartz glass	20	QLUV10K20GCW	7.0x7.0x4.5	3300	60	395	1000	7.6	3000
7070	Quartz glass	20	QLUV10J20GCW	7.0x7.0x4.5	3300	60	405	1000	7.6	3000
7070	Quartz glass	15	QLUV10M15GHW	7.0x7.0x5.7	3000	45	365	1000	8.4	2000
7070	Quartz glass	15	QLUV10L15GHW	7.0x7.0x5.7	3100	45	385	1000	7.6	2000
7070	Quartz glass	15	QLUV10K15GHW	7.0x7.0x5.7	3300	45	395	1000	7.6	2000
7070	Quartz glass	15	QLUV10J15GHW	7.0x7.0x5.7	3300	45	405	1000	7.6	2000
6868	Quartz glass	20	QLUV10M20GCP	6.5x6.5x4.95	3000	60	365	500	15	1000
6868	Quartz glass	20	QLUV10L20GCP	6.5x6.5x4.95	3400	60	385	500	14	1500
6868	Quartz glass	20	QLUV10K20GCP	6.5x6.5x4.95	3400	60	395	500	14	1500
6868	Quartz glass	20	QLUV10J20GCP	6.5x6.5x4.95	3400	60	405	500	14	1500

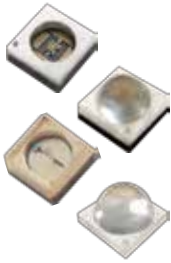


## UVB 3535

Product Type	type	Power (watt)	Quelighting Part number	Dimension (mm)	Radiant Power (mW)	View angle	Wd (nm)	Drive current (mA)	Vf typ (V)	Max. Curent (mA)
3535	Quartz glass	0.2	QLUV07EYGE	3.5x3.5x1.05	3.3	120	310	20	6	30
3535	Quartz glass	0.3	QLUV07DZGCD	3.8x3.8x3.15	7	60	300	50	6	80
3535	Quartz glass	1	QLUV07DZGCM	3.8x3.8x3.15	15	60	310	100	6	150



## UVC Series



Product Type	type	Power (watt)	Quelighting Part number	Dimension (mm)	Radiant Power (mW)	View angle	Wd (nm)	Drive current (mA)	Vf typ (V)	Max. Curent (mA)
3535	Quartz glass	1	QLUV07N2EM	3.5x3.5x1.05	11.5	120	275	100	6	150
3535	Quartz glass	1	QLUV07N2DM	3.5x3.5x3.15	11.5	35	275	100	6	150
3535	Quartz glass	3	QLUV07N3GEU	3.5x3.5x1.72	50	120	275	350	6	500
3838	Quartz glass	5	QLUV08N5GEQ	3.8x3.8x1.87	100	120	275	300	12.6	500
7070	Quartz glass	10	QLUV10N10GCN	7.0x7.0x4.6	130	60	275	400	18	600

## RGBW



Product Type	Power (Watt)	Quelighting Part number	Dimension (mm)	Brightness (lm)	View angle	Color	Wd (nm)	Drive current (mA)	Vf typ (V)	Max. Curent (mA)
1515 RGB	0.044	QLSP17RGBA (Black face)	1.5x1.5x1.0	80	120	Red	520~530	5	2.1	20
	0.06			350		Green				
	0.06			90		Blue				



Product Type	Power (Watt)	Quelighting Part number	Dimension (mm)	Brightness (lm)	View angle	Color	Wd (nm)	Drive current (mA)	Vf typ (V)	Max. Curent (mA)
2121 RGB	0.044	QLSP14RGB (Black face)	2.1x2.1x2.0	800 mcd	120	Red	520~530	20	2.1	20
	0.06			2000 mcd		Green				
	0.06			500 mcd		Blue				



Product Type	Power (Watt)	Quelighting Part number	Dimension (mm)	Brightness (lm)	View angle	Color	Wd (nm)	Drive current (mA)	Vf typ (V)	Max. Curent (mA)
3030 WRGB	0.78	QLSP06RGBXWAWJ	3.0x3.0x1.8	44	120	White	2700K~7000K	250	3.1	300
	0.55			37		Red				
	0.78			52		Green				
	0.78			10.4		Blue				



Product Type	Power (Watt)	Quelighting Part number	Dimension (mm)	Brightness (lm)	View angle	Color	Wd (nm)	Drive current (mA)	Vf typ (V)	Max. Curent (mA)
3535 WRGB	0.1	QLSP07RGBPW_B (Black face)	3.5x3.5x2.8	8 lm	120	White	2700K~7000K	60	3.1	30
	0.06			600 mcd		Red				
	0.06			1500 mcd		Green				
	0.06			500 mcd		Blue				
3535 RGB	0.05	QLSP07RGBF (Black face)	3.5x3.5x2.8	600	120	Red	620~630	20	2.2	25
	0.1			1500		Green				
	0.1			400		Blue				



Product Type	Power (Watt)	Quelighting Part number	Dimension (mm)	Brightness (lm)	View angle	Color	Wd (nm)	Drive current (mA)	Vf typ (V)	Max. Curent (mA)
5050 WRGB	0.2	QLSP08RGBXW	5.0x5.0x1.6	21 lm	120	White	2700K~7000K	60	3.1	60
	0.06			700 mcd		Red				
	0.06			1500 mcd		Green				
	0.06			500 mcd		Blue				
5050 RGB	0.04	QLSP08RGB_B (Black face)	5.0x5.0x1.7	700 mcd	120	Red	620~630	20	2.1	20
	0.06			1500 mcd		Green				
	0.06			500 mcd		Blue				



Product Type	Power (Watt)	Quelighting Part number	Dimension (mm)	Brightness (lm)	View angle	Color	Wd (nm)	Drive current (mA)	Vf typ (V)	Max. Curent (mA)
5050 RGB	0.044	QLSP29RGB	5.4x5.0x5.2	1300	30	Red	620~630	20	2.2	20
	0.06			2800		Green				
	0.06			400		Blue				

# Quality for Our Environment

## Lighting that sparkles your life

### Horticulture



Product Type	Power (Watt)	Quelighting Part number	Dimension (mm)	Brightness (lm/mW)	View angle	Color	CCT/Wd (nm)	CR1	Drive current (mA)	Vf typ (V)	Max. Curent (mA)
2835	0.5	QLSP19WWH	2.8x3.5x0.7	75 lm	120	White	4000K/5000K	80	150	3	180
2835	0.5	QLSP19UXH	2.8x3.5x0.7	65 lm	120	White	4000K/5000K	95	150	3	180

Product Type	Power (Watt)	Quelighting Part number	Dimension (mm)	Brightness (lm/mW)	View angle	Color	CCT/Wd (nm)	Drive current (mA)	Vf typ (V)	Max. Curent (mA)	Max. Watt
3030	0.5	QLSP04RBXH	3.0x3.0x0.6	9	120	Royal Blue	450~460	150	3.2	180	0.5
3030	0.5	QLSP04RXH	3.0x3.0x0.6	85mW	120	Crimson	650~670	150	2.1	300	0.6
3030	1~1.5	QLSP04PCRXU	3.0x3.0x0.6	27.5	120	PC RED	x=0.668 y=0.313	500	3.2	500	1.5
3535	3.5	QLSP07RBUC	3.5x3.5x2.0	25	120	Royal Blue	450~460	350	3.2	1000	3
3535	2	QLSP07CUC	3.5x3.5x2.0	470mW	120	Deep Red	650~670	350	2.2	1000	2.4
3535	2	QLSP07CRUC	3.5x3.5x2.0	410mW	120	Near IR Red	720~740	350	2	1000	2.4

### IR



Product Type	Power (Watt)	Quelighting Part number	Dimension (mm)	Radiant Power (mW)	Light Current	View angle	Wd (nm)	Drive current (mA)	Vf typ (V)	Resin color
4029 Side Look PHOTOTRANSISTOR	0.02	QLIR03DXJ	4.0x2.9x2.9	75		25	940	50	1.2	Clear
		QLPD03DXG	4.0x2.9x2.9		100 uA	20	940			Clear
3mm Emitter PHOTOTRANSISTOR	0.06	QLIR02DXDD	3	40		30	940	50	1.3	Clear
		QLPD02DXJB	3		18	25	940			Black
5mm Emitter PHOTODIODE	0.06	QLIR01DXGCD	5	90		20	940	50	1.3	Blue Clear
		QLPD01DXLB	5		44	35	940			Black
5mm DIP PHOTODIODE	0.06	QLIR01DXGD	5	105		20	940	50	1.3	Water Clear
		QLPD01DXMB	5		56	50	940			Black
5mm DIP PHOTODIODE	0.06	QLIR01DXGD1	5	90		20	940	50	1.3	Water Clear
		QLPD04DXBB	5.2x4.4x3.9		35	90	940			Balck

Product Type	Power (Watt)	Quelighting Part number	Dimension (mm)	Radiant Power (mW)	View angle	Wd (nm)	Drive current (mA)	Vf typ (V)	Max. Current (mA)	Resin color
3528'-4	0.16	QLIR05BYAM	3.5x2.8x1.9	18	120	850	100	1.6	100	water clear
3528'-4	0.16	QLIR05DYAM	3.5x2.8x1.9	16	120	940	100	1.6	100	water clear
3528'-4	0.16	QLIR05FYAM	3.5x2.8x1.9	3	120	1300	100	1.5	100	water clear

Product Type	Power (Watt)	Quelighting Part number	Dimension (mm)	Radiant Power (mW)	View angle	Wd (nm)	Drive current (mA)	Vf typ (V)	Max. Current (mA)	Resin color
3535	3.2	QLIR07B3FW	3.5x3.5x2.0	1560	120	850	1000	3.2	1000	water clear
3838	3.2	QLIR07B4CW	3.9x3.9x2.9	1400	60	850	1000	3.2	1000	water clear

Product Type	Power (Watt)	Quelighting Part number	Dimension (mm)	Radiant Power (mW)	View angle	Wd (nm)	Drive current (mA)	Vf typ (V)	Max. Current (mA)	Resin color
3216	0.16	QLIR06BXG	3.5x1.6x1.85	20	20	850	20	1.6	20	water clear

# Industrial



Product Type	Power (Watt)	Quelighting Part number	Dimension (mm)	Brightness (lm/mcd)	View angle	Color	CCT/Wd (nm)	Drive current (mA)	Vf typ (V)	Max. Curent (mA)
3528 PLCC 2	0.06	QLSP05WC	3.5x2.8x1.9	2600	120	White	6000K~7800K	20	3	30
3528 PLCC 2	0.06	QLSP05W (Black face)	3.5x2.8x1.9	2600	120	White	x=0.31,y=0.295	20	3	30
3528 PLCC 2	0.15	QLSP05PCAD (Black face)	3.5x2.8x1.9	3250	120	PC Amber	588~594	50	3.2	75
3528 PLCC 4	0.18	QLSP05WCD	3.5x2.8x1.9	22 lm	120	White	5000K~7000K	60	3.1	70
3528 PLCC 4	0.1	QLSP05YD (Black face)	3.5x2.8x1.9	1800	120	Amber	588~594	50	2.2	70
3528 PLCC 4	0.16	QLSP05PCAD	3.5x2.8x1.9	13.5 lm	120	PC Amber	588~592	50	3.1	70
3528 PLCC 4	0.1	QLSP05RD	3.5x2.8x1.9	2750	120	Red	612~624	50	2.25	70
3528 PLCC 6	0.18	QLSP05WXG	3.5x2.8x1.9	16000	120	White	5000K~8000K	140	3.1	250
3528 PLCC 6	0.45	QLSP05PCAG	3.5x2.8x1.9	15000	120	PC Amber	588~592	140	3.15	200
3528 PLCC 6	0.3	QLSP05RG	3.5x2.8x1.9	7300	120	Red	615~630	140	2.1	200



Product Type	Power (Watt)	Quelighting Part number	Dimension (mm)	Brightness (mcd)	View angle	Color	CCT/Wd (nm)	Drive current (mA)	Vf typ (V)	Max. Curent (mA)
3528 PLCC 2	0.18	QLSP27RD	3.5x2.8x3.5	6000	30	Red	620~630	50	2.2	50
3528 PLCC 2	0.18	QLSP27YD	3.5x2.8x3.5	5000	30	Amber	588~594	50	2.2	50



Product Type	Power (Watt)	Quelighting Part number	Dimension (mm)	Brightness (mcd)	View angle	Color	CCT/Wd (nm)	Drive current (mA)	Vf typ (V)	Max. Curent (mA)
3528 PLCC 4	0.18	QLSP28RD	3.5x2.8x3.5	8000	30	Red	620~630	50	2.2	50
3528 PLCC 4	0.18	QLSP28YD	3.5x2.8x3.5	6500	30	Amber	588~595	50	2.2	50



Product Type	Power (Watt)	Quelighting Part number	Dimension (mm)	Brightness (lm)	View angle	Color	CCT/Wd (nm)	Drive current (mA)	Vf typ (V)	Max. Curent (mA)
4040 side view	0.2	QLSP30BK	3.95x4.0x3.55	6	120	Blue	460~470	60	3.2	60
4040 side view	0.2	QLSP30GK	3.95x4.0x3.55	16	120	Green	520~530	60	3.2	60
4040 side view	0.14	QLSP30RK	3.95x4.0x3.55	12	120	Red	620~630	60	2.2	60
4040 side view	0.14	QLSP30YK	3.95x4.0x3.55	15	120	Amber	585~595	60	2.2	60



Product Type	Power (Watt)	Quelighting Part number	Dimension (mm)	Brightness (lm/mcd)	View angle	Color	Wd (nm)	Drive current (mA)	Vf typ (V)	Max. Curent (mA)
	0.5	QLSP29WXDH		60 lm	30	White	2700K~7000K	150	3.1	150
5050	0.2	QLSP29RDD	5.0x5.4x5.2	9000	30	Red	615~630	20	2.4	50
	0.2	QLSP29YDD		9000	30	Amber	588~594	20	2.4	50



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