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OSRAM Opto Semiconductors is one of the world's leading manufacturers of optoelectronic semiconductors and is considered an authority setting the highest international standards on innovative light technologies. Its products range from high-performance LEDs and infrared diodes to semiconductors and detectors.

OSRAM Opto Semiconductors je jedním z předních světových výrobců optoelektronických polovodičů a je považován za odborníka, který stanoví nejvyšší mezinárodní standardy pro inovativní světelné technologie. Osram nabízí od vysoce výkonných LED diod a infračervených diod až po polovodiče a detektory.

OSRAM Opto Semiconductors ist einer der weltweit führenden Hersteller von optoelektronischen Halbleiterbauelementen und wird als Spezialist angesehen, der höchste internationale Standards für innovative Beleuchtungstechnologien setzt. Das Angebot reicht von leistungsstarken LEDs und Infrarot-LEDs bis hin zu Halbleitern und Detektoren.

Az OSRAM Opto Semiconductors a világ opto elektronikai félvezetőinek egyik vezető gyártója. Az innovatív fénytechnológiák legmagasabb normáinak hivatalos beszállítójaként is számon tartják. Termékköre a nagytelejesítményű LED-ektől és infravörös diódáktól a félvezetőkig és detektorokig terjed.

OSRAM Opto Semiconductors jest jednym z światowych liderów w produkcji półprzewodników optoelektronicznych i uważany jest za instytucję ustanawiającą najwyższe standardy międzynarodowe w innowacyjnych technologiach świetlnych. Zakres produktów obejmuje od wysoko wydajnych LED oraz diod na podczerwień poprzez półprzewodniki aż po detektory.

OSRAM Opto Semiconductors este unul din producătorii cei mai importanți din lume de semiconductoare optoelectronice și este considerat o adevărată autoritate în stabilirea celor mai înalte standarde internaționale în materie de tehnologii inovatoare de lumină. Gama sa de produse cuprinde atât LED-uri de o înaltă performanță și diode cu infraroșu cât și semiconductoare și detectoare.

OSRAM Opto Semiconductors je jedným z popredných svetových výrobcov optoelektronických polovodičov a je považovaný za odborníka, ktorý stanovuje najvyššie medzinárodné štandardy na inovatívne svetelné technológie. Osram ponúka od vysoko výkonných LED diódy a infračervených diód až po polovodiče a detektory.

More than 30 years of experience in the development and manufacture of optoelectronic semiconductor components have made Osram Opto Semiconductors one of the most significant innovation and technology drivers. With its solid platform of experience and know-how, Osram Opto Semiconductors is not only a manufacturer of optoelectronic semiconductor components but also as a reliable partner for semiconductor technologies in a wide range of lighting applications. The extensive product portfolio of Osram Opto Semiconductors includes above all high-brightness high-power LEDs in the visible range. Osram produces high performance LED solutions. Osram Opto Semiconductors' LEDs, up to now well known only from automobile industry, are already available at commercial market too, in various performance classes such as standard, mid and high power packages, in various brightness levels and package sizes and in the complete color range including all shades of white, RGB, and color.

Why OSRAM?

- company specializing over 30 years on opto-semiconductors
- top quality products for a convenient price
- LEDs with highest levels of luminiosity and CRI
- extremely compact sizes for high power clusters

Golden DRAGON Plus:
Maximum Efficiency for Urban Lighting

Throwing Light on The Night

The lighting used in urban areas, such as roads, tunnels, bridges or squares, already often goes beyond the general function of illumination. After all, it has the ability to guide road traffic, present buildings and advertisements in the right light, or give pedestrians a safer feeling at night. However, efficiency and economy also play an increasingly important role when it comes to urban lighting.

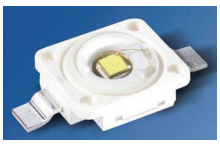
Efficiency and High Intensity

OSRAM Opto Semiconductors offers a new version of the Golden DRAGON Plus specifically for outdoor applications. From now on, roads, car parks, underground car parks and public parks can be illuminated even more effectively and energy-efficiently by light with a neutral-white colour appearance. Colour temperatures of 4,000 K, 4,500 K and 5,000 K are available. The new Golden DRAGON Plus combines maximum efficiency with slightly reduced colour rendering properties – i.e. typically 90 lm/W at 4,000 K and a CRI of 70.

With the new Golden DRAGON Plus, efficiency can hence be increased by more than 15 percent. Its colour appearance is very similar to that of conventional lighting technologies (e.g. HID, high-pressure discharge lamps), meaning that the light is perceived as comparable. The new LED also boasts a very long service life in excess of 50,000 hours (depending on the operating conditions) and contains no materials harmful to the environment. The radiation characteristics and footprint are compatible with the previous Golden DRAGON Plus LEDs, enabling the customer to switch to the required version easily at any time, without having to redesign the optical system.

The new LED supplements the established Golden DRAGON Plus with a CRI of 82 and a typical value of 75 lm/W.

Golden Dragon Plus



In praxis proved LEDs, which are used at street lighting all over the world. Except a high reliability they offer also wide possibilities of luminous flux concentration according to requirements of application.

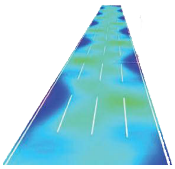
Series	Max. Current (mA)	Luminous Flux (lm) @350mA	Color (°K)	Viewing Angle
LCW W5AM	1000	90	2500-4800	170°
LW W5AM		107	5600	
LUW W5AM		116	6500	

Series	Max. Current (mA)	Luminous Flux (lm) @400mA	Color (nm)	Viewing Angle
LD W5AM	1000	453 mW	455	170°
LB W5AM		28*	467	
LV W5AM		62*	505	
LT W5AM		93*	528	
LH W5AM		320 mW	565	
LY W5AM		53	590	
LA W5AM		68	617	
LR W5AM		55	625	

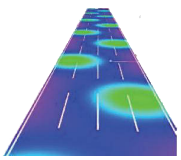
** @350mA*

Golden Dragon Oval Plus

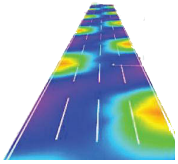
Represents an innovation in a street lighting segment. LEDs have an integrated optics lens, which concentrates luminous flux into a specially adapted oval shape for a homogenous lighting of flat surfaces, for example paths, streets, stocks and similar areas.



Osram LED Oval Plus



LED without optics



HPS with a reflector

Series	Max. Current (mA)	Luminous Flux (lm) @350mA	Color (°K)	Viewing Angle
LCW W5PM	1000	74-79	2700-4500	120°h, 80°v
LW W5PM		95	5000	
LUW W5PM		106	6500	

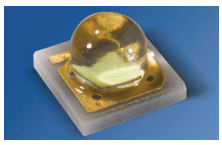
Advanced Power TOP LED Plus

Innovated LED series, which has a very wide and homogenous radiation pattern. LEDs are intended to use in advertising (displays backlighting, panels, shop windows) and position lighting (steps, exit routes). They are suitable also there, where a heat emission is unwanted, like in freezers.

Series	Max. Current (mA)	Luminous Flux (lm) @100mA	Color (°K)	Viewing Angle
LUW G5GP	200	26	6500	135°
LCW G5GP		19	2500 - 4800	

Series	Max. Current (mA)	Luminous Flux (lm) @100mA	Color (nm)	Viewing Angle
LD G5AP	200	24,2	457	135°
LT G5AP		24,2	527	
LR G5AP		13,8	623	

OSLON® SSL 80 a SSL 150



Extremely small LEDs with a1W power. Their dimensions are only 3x3mm! They will find application in portable lightings but they are also suitable for composing into LED modules, LED panels and habitable areas lighting. We supply them in versions with a radiation angle 80° and 150°.

Series	Max. Current (mA)	Luminous Flux (lm) @350mA	Color (°K)	Viewing Angle
LCW CQxP.CC	800	76 - 81	2700 - 4000	80° 150°
LCW CQxP.EC		91 - 96	2700 - 5000	
LCW CQxP.PC		110 - 117	4000 - 5000	
LUW CQxP	1000	119	6000	

Series	Max. Current (mA)	Luminous Flux (lm) @350mA	Color (nm)	Viewing Angle
LD CQxP	1000	515 mW	449 - 461	80° 150°
LB CPxP		28	446 - 476	
LT CPxP		92	513 - 537	
LY CPxP		55**	583 - 595	
LA CPxP		74**	612 - 624	
LR CPxP		53**	620 - 632	
LH CPxP		332 mW**	644 - 666	

x: SSL80 - 7, SSL150 - D
*** @400mA*

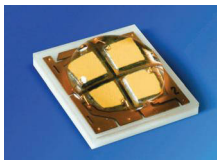
OSLON® Square

With the OSLON® Square, OSRAM Opto Semiconductors provides the most compact, high-power LED in its class. With a maximum driving current of 1.5 A and a broad range of color temperatures and color rendering indexes, the OSLON® Square product family is perfect for a large variety of indoor and outdoor applications. The exceptionally sturdy design makes the OSLON® Square resistant even under harshest conditions. The package doesn't contain any silver and maintains its reflectivity even in the most humid environment.

- Ultra-compact footprint for high-density arrays to save space and simplify circuit designs (only 3 mm x 3 mm)
- Full color temperature range
- Suitable for driving currents up to 1.5 A
- Highly reflective package
- Lifetime of more than 50,000 hours, depending on application conditions

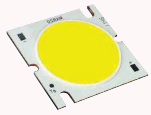
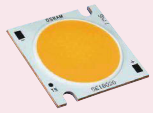
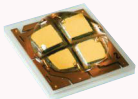
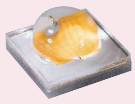
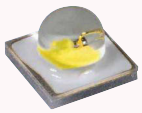
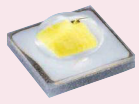
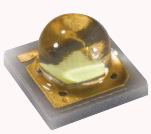
Series	Min. CRI	CCT/Wavelength	Typ. Brightness at 700 mA
LCW CQAR.EC	80	2700 K - 5000 K	200 lm @ 3000 K
LCW CQAR.PC	70	4000 K - 5000 K	240 lm @ 4000 K
LUW CQAR	65	5300 K - 6500 K	260 lm @ 6000 K
LD CQAR		449 nm - 461 nm	1100 mW

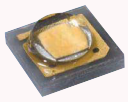
OSTAR Lighting Plus

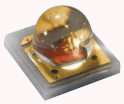
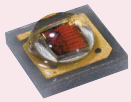


Technologically most advanced LEDs, which have on a carrying substrate integrated 4 LED chips with dimensions 1x1mm per chip. Result is a LED with extremely high luminous flux, which replaces 4 stand-alone LEDs. It significantly spares place and also solves a problem in applications, where extremely high luminous flux from 1 point is necessary.

Series	Max. Current (mA)	Luminous Flux (lm) @350mA	Color (°K)	Viewing Angle
LE CW S2LN	700	355 - 375	2700 - 4000	140°
LE UW S2LN		425	6500	

Family (L x W x H)	CCT Range (ANSI)	White Color Grouping	Typical CRI	Typical Luminous Flux (lm)	Typical Efficacy (lm/W)	Current (mA)	Viewing Angle (deg)	Part Number L[Color][Family]-[Flux]-[Color]
 **SOLERIQ E 45** (36mm x 36mm x 1.7mm)	6500K	ANSI	84	4620	100	880	120	GW KALRB3.EM-TUUQ-65H4
	5700K	ANSI	84	4640	100	880	120	GW KALRB3.EM-TUUQ-57H4
	5000K	ANSI	85	4560	100	880	120	GW KALRB3.EM-TUUQ-50H4
	4000K	ANSI	85	4500	100	880	120	GW KALRB3.EM-TUUQ-40H4
	3000K	ANSI	84	4160	100	880	120	GW KALRB3.EM-TSTU-30H4
	2700K	ANSI	82	3870	100	880	120	GW KALRB3.EM-TSTU-27H4
 **SOLERIQ E 30** (30mm x 30mm x 1.7mm)	6500K	ANSI	84	3080	100	600	120	GW KAJRB2.EM-TPTR-65H4
	5700K	ANSI	84	3090	100	600	120	GW KAJRB2.EM-TPTR-57H4
	5000K	ANSI	85	3040	100	600	120	GW KAJRB2.EM-TPTR-50H4
	4000K	ANSI	85	3000	100	600	120	GW KAJRB2.EM-TPTR-40H4
	3000K	ANSI	84	2770	100	600	120	GW KAJRB2.EM-SUTQ-30H4
	2700K	ANSI	82	2580	100	600	120	GW KAJRB2.EM-STTQ-27H4
 **OSRAM OSTAR Lighting Plus** (5.4mm x 5.1mm x 2.34mm)	6500K	ANSI	70	425	95	350	140	LE UW S2LN-NTPP-5C8E
	5700K	ANSI	70	425	95	350	140	LE UW S2LN-NTPP-5E8G
	5000K	ANSI	80	380	85	350	140	LE CW S2LN.EC-NRNT-5H7I
	4000K	ANSI	80	375	84	350	140	LE CW S2LN.EC-NRNT-5L7N
	3000K	ANSI	80	365	81	350	140	LE CW S2LN.EC-NQNS-5R8T
	2700K	ANSI	80	355	79	350	140	LE CW S2LN.EC-NPNR-5U8X
 **OSLON Square** (3.0mm x 3.0mm x 1.88mm)	6500K		65	270	125	700	120	LUW CQAR-MUNQ-HPJR
	5700K		65	270	125	700	120	LUW CQAR-MTNP-JPJR
	5300K		65	265	123	700	120	LUW CQAR-MSMU-KPLP
	5000K (PC)	ANSI	70	256	116	700	120	LCW CQAR.PC-MTNP-5H7I
	4500K (PC)	ANSI	70	240	110	700	120	LCW CQAR.PC-MSMU-5J7K
	4000K (PC)	ANSI	70	240	110	700	120	LCW CQAR.PC-MSMU-5L7N
	5000K (EC)	ANSI	82	255	117	700	120	LCW CQAR.EC-MRMT-5H7I
	4500K (EC)	ANSI	82	230	110	700	120	LCW CQAR.EC-MRMT-5J7K
	4000K (EC)	ANSI	82	210	110	700	120	LCW CQAR.EC-MRMT-5L7N
	3500K (EC)	ANSI	82	208	96	700	120	LCW CQAR.EC-MQMS-5O8Q
	3000K (EC)	ANSI	82	205	94	700	120	LCW CQAR.EC-MPMR-5R8T
	2700K (EC)	ANSI	82	188	86	700	120	LCW CQAR.EC-MPMR-5U8X
	2400K (EC)	ANSI	82	175	80	700	120	LCW CQAR.EC-LTMP-5YC8
NEW! improved efficacy!  **OSLON SSL 80** (3.0mm x 3.0mm x 2.35mm)	6000K		70	140	130	350	80	LUW CR7P-LQLS-HPJR
	5000K (PC)	ANSI	70	136	126	350	80	LCW CR7P.PC-LRLT-5H7I
	4500K (PC)	ANSI	70	132	122	350	80	LCW CR7P.PC-LQLS-5J7K
	4000K (PC)	ANSI	70	130	121	350	80	LCW CR7P.PC-LQLS-5L7N
	5000K (EC)	ANSI	82	120	112	350	80	LCW CR7P.EC-LPLR-5H7I
	4500K (EC)	ANSI	82	120	112	350	80	LCW CR7P.EC-LPLR-5J7K
	4000K (EC)	ANSI	82	115	107	350	80	LCW CR7P.EC-KULQ-5L7N
	3500K (EC)	ANSI	82	115	107	350	80	LCW CR7P.EC-KULQ-5O8Q
	3000K (EC)	ANSI	82	109	101	350	80	LCW CR7P.EC-KULQ-5R8T
	2700K (EC)	ANSI	82	104	97	350	80	LCW CR7P.EC-KTLP-5U8X
NEW! improved efficacy!  **OSLON SSL 150** (3.0mm x 3.0mm x 1.58mm)	6000K		70	140	130	350	150	LUW CRDP-LQLS-HPJR
	5000K (PC)	ANSI	70	136	126	350	150	LCW CRDP.PC-LRLT-5H7I
	4500K (PC)	ANSI	70	132	122	350	150	LCW CRDP.PC-LQLS-5J7K
	4000K (PC)	ANSI	70	130	121	350	150	LCW CRDP.PC-LPLR-5L7N
	5000K (EC)	ANSI	82	120	112	350	150	LCW CRDP.EC-LPLR-5H7I
	4500K (EC)	ANSI	82	120	112	350	150	LCW CRDP.EC-LPLR-5J7K
	4000K (EC)	ANSI	82	115	107	350	150	LCW CRDP.EC-KULP-5L7N
	3500K (EC)	ANSI	82	111	103	350	150	LCW CRDP.EC-KULQ-5O8Q
	3000K (EC)	ANSI	82	109	101	350	150	LCW CRDP.EC-KULQ-5R8T
	2700K (EC)	ANSI	82	104	97	350	150	LCW CRDP.EC-KTLP-5U8X
 **OSLON SSL 80** (3.0mm x 3.0mm x 2.35mm)	6500K	ANSI	70	120	107	350	80	LUW CQ7P-LPLR-5C8E
	6000K	ANSI	70	120	107	350	80	LUW CQ7P-LPLR-5D8F
	5700K	ANSI	70	120	107	350	80	LUW CQ7P-LPLR-5E8G
	5000K (PC)	ANSI	70	120	107	350	80	LCW CQ7P.PC-KULQ-5H7I
	4500K (PC)	ANSI	70	120	107	350	80	LCW CQ7P.PC-KULQ-5J7K
	4000K (PC)	ANSI	70	120	107	350	80	LCW CQ7P.PC-KULQ-5L7N
	5000K (EC)	ANSI	82	105	94	350	80	LCW CQ7P.EC-KTLP-5H7I
	4500K (EC)	ANSI	82	100	89	350	80	LCW CQ7P.EC-KTLP-5J7K
	4000K (EC)	ANSI	82	97	87	350	80	LCW CQ7P.EC-KSKU-5L7N
	3500K (EC)	ANSI	82	95	85	350	80	LCW CQ7P.EC-KSKU-5O8Q
	3000K (EC)	ANSI	82	95	85	350	80	LCW CQ7P.EC-KSKU-5R8T
	2700K (EC)	ANSI	82	90	80	350	80	LCW CQ7P.EC-KRKT-5U8X
	4000K (CC)	ANSI	95	82	76	350	80	LCW CQ7P.CC-KQKS-5L7N
	3500K (CC)	ANSI	95	76	68	350	80	LCW CQ7P.CC-KQKS-5O8Q
	3000K (CC)	ANSI	95	76	68	350	80	LCW CQ7P.CC-KPKR-5R8T
	2700K (CC)	ANSI	95	72	64	350	80	LCW CQ7P.CC-JUKQ-5U8X

Family (L x W x H)	CCT Range (ANSI)	White Color Grouping	Typical CRI	Typical Luminous Flux (lm)	Typical Efficacy (lm/W)	Current (mA)	Viewing Angle (deg)	Part Number L[Color][Family]-[Flux]-[Color]
 **OSLON SSL 150** (3.0mm x 3.0mm x 1.58mm)	6500K	ANSI	70	120	107	350	150	LUW CQDP-LPLR-5C8E
	6000K	ANSI	70	120	107	350	150	LUW CQDP-LPLR-5D8F
	5700K	ANSI	70	120	107	350	150	LUW CQDP-LPLR-5E8G
	5000K (PC)	ANSI	70	120	107	350	150	LCW CQDP.PC-KULQ-5H7I
	4500K (PC)	ANSI	70	120	107	350	150	LCW CQDP.PC-KULQ-5J7K
	4000K (PC)	ANSI	70	120	107	350	150	LCW CQDP.PC-KULQ-5L7N
	5000K (EC)	ANSI	82	105	94	350	150	LCW CQDP.EC-KTLP-5H7I
	4500K (EC)	ANSI	82	100	89	350	150	LCW CQDP.EC-KTLP-5J7K
	4000K (EC)	ANSI	82	97	87	350	150	LCW CQDP.EC-KSKU-5L7N
	3500K (EC)	ANSI	82	95	85	350	150	LCW CQDP.EC-KSKU-5O8Q
	3000K (EC)	ANSI	82	95	85	350	150	LCW CQDP.EC-KSKU-5R8T
	2700K (EC)	ANSI	82	90	80	350	150	LCW CQDP.EC-KRKT-5U8X
	4000K (CC)	ANSI	95	82	76	350	150	LCW CQDP.CC-KQKS-5L7N
	3500K (CC)	ANSI	95	76	68	350	150	LCW CQDP.CC-KQKS-5O8Q
	3000K (CC)	ANSI	95	76	68	350	150	LCW CQDP.CC-KPKR-5R8T
	2700K (CC)	ANSI	95	72	64	350	150	LCW CQDP.CC-JUKQ-5U8X
 **Golden DRAGON Plus** (6.2mm x 11.2mm x 3.1mm)	5300K – 7000K		70	118	105	350	170	LUW W5AM-LXLY-6P7R
	5300K – 7000K		70	112	100	350	170	LUW W5AM-KZLY-6P7R
	4500K – 5700K		80	95	85	350	170	LW W5AM-KYLX-7K8L
	6500K	ANSI	70	112	100	350	170	LUW W5AM-KYLX-4C8E
	5700K	ANSI	70	112	100	350	170	LUW W5AM-KYLX-5F8G
	4500K	ANSI	80	90	80	350	170	LCW W5AM-KYKZ-5J7K
	4000K	ANSI	80	90	80	350	170	LCW W5AM-KYKZ-5L7N
	3500K	ANSI	80	85	76	350	170	LCW W5AM-KXKZ-5O8Q
	3000K	ANSI	80	80	71	350	170	LCW W5AM-KXKY-5R8T
	2700K	ANSI	80	75	67	350	170	LCW W5AM-JZKY-5U8X
 **DURIS E 5** (5.6mm x 3.0mm x 0.87mm)	6500K(EC)	ANSI	85	45	118	120	120	LUW JDSH.EC-FRFT-5C8E
	5700K (EC)	ANSI	85	45	118	120	120	LUW JDSH.EC-FRFT-5E8G
	5000K (EC)	ANSI	85	45	118	120	120	LCW JDSH.EC-FRFT-5H7I
	4000K (EC)	ANSI	85	44	116	120	120	LCW JDSH.EC-FRFT-5L7N
	3500K (EC)	ANSI	85	41	108	120	120	LCW JDSH.EC-FPFR-5O8Q
	3000K (EC)	ANSI	85	41	108	120	120	LCW JDSH.EC-FQFS-5R8T
	2700K (EC)	ANSI	85	38	100	120	120	LCW JDSH.EC-FPFR-5U8X
 **DURIS P 5** (2.6mm x 2.2mm x 1.25mm)	5000K (EC)	ANSI	80	34	109	100	130	GW DASPA1.EC-HQHS-5H7I
	4000K (EC)	ANSI	80	33	105	100	130	GW DASPA1.EC-HPHR-5L7N
	3000K (EC)	ANSI	80	31	100	100	130	GW DASPA1.EC-HPHR-5R8T
 **Advanced Power TOPLED Plus** (6.0mm x 3.6mm x 2.27mm)	6500K	ANSI	70	26	81	100	135	LUW G5GP-GXHY-5C8E
	5700K	ANSI	70	26	81	100	135	LUW G5GP-GXHY-5E8G
	4500K	ANSI	80	22	69	100	135	LCW G5GP-FZHX-5J8K
	4000K	ANSI	80	22	69	100	135	LCW G5GP-FZHX-5L8N
	3500K	ANSI	80	19	59	100	135	LCW G5GP-FYHX-5O8Q
	3000K	ANSI	80	19	59	100	135	LCW G5GP-FYGY-5R8T
	2700K	ANSI	80	17	53	100	135	LCW G5GP-FYGY-5U8X
 **DURIS E 3** (3.0mm x 1.4mm x 0.825mm)	6500K (EC)	ANSI	85	7	115	20	120	LUW JNSH.EC-BRBT-5C8E
	5700K (EC)	ANSI	85	7	110	20	120	LUW JNSH.EC-BRBT-5E8G
	5000K (PC)	ANSI	72	7,4	121	20	120	LCW JNSH.PC-BRBT-5H7I
	4000K (PC)	ANSI	72	7,3	120	20	120	LCW JNSH.PC-BRBT-5L7N
	3000K (PC)	ANSI	72	6,8	112	20	120	LCW JNSH.PC-BQBT-5R8T
	5000K (EC)	ANSI	85	6,9	108	20	120	LCW JNSH.EC-BRBT-5H7I
	4000K (EC)	ANSI	85	6,5	107	20	120	LCW JNSH.EC-BRBT-5L7N
	3000K (EC)	ANSI	85	6,4	104	20	120	LCW JNSH.EC-BQBS-5R8T
	2700K (EC)	ANSI	85	6,2	101	20	120	LCW JNSH.EC-BQBS-5U8X
 **Power TOPLED** (3.7mm x 3.0mm x 2.1mm)	5300K – 14000K		70	6,7	70	30	120	LUW E6SG-BACA-4N7Q
	5300K – 14000K		70	6,7	70	30	120	LUW E6SG-BACA-4N7Q
	4700K – 10000K		80	5	50	30	120	LW E6SG-AABA-JKPL
	4500K	ANSI	80	4,2	38	30	120	LCW E6SG-V2BA-4J8K
	4000K	ANSI	80	4,1	38	30	120	LCW E6SG-V2BA-4L8N
	3500K	ANSI	80	3,8	38	30	120	LCW E6SG-V2BA-4O9Q
	3000K	ANSI	80	3,5	38	30	120	LCW E6SG-V1AB-4R9T
	2700K	ANSI	80	3,2	38	30	120	LCW E6SG-V1AB-4U9X

Family (L x W x H)	Color	Wavelength (nm)	Technology	Typical Luminous Flux (lm)/(mW)	Typical Efficacy (lm/W)	Current (mA)	Viewing Angle (deg)	Part Number L[Color][Family]-[Flux]--[Color]
 **OSLON SSL 80** (3.0mm x 3.0mm x 2.35mm)	Hyper Red	645	InGaAlP	355mW	48	350	80	LH CP7P-3T4T-1
	Red	625	InGaAlP	58	77	350	80	LR CP7P-JRJT-1
	Amber	617	InGaAlP	80	104	350	80	LA CP7P-KQKS-1
	Yellow	590	InGaAlP	56	71	350	80	LY CP7P-JSJU-1
	True Green	528	InGaN	95	85	350	80	LT CP7P-JYKZ-26
	Blue	470	InGaN	28	25	350	80	LB CP7P-GYHY-35
	Deep Blue	455	InGaN	515 mW	46	350	80	LD CQ7P-1U3U-W5
 **OSLON SSL 150** (3.0mm x 3.0mm x 1.58mm)	Hyper Red	645	InGaAlP	355mW	48	350	150	LH CPDP-3T4T-1
	Red	625	InGaAlP	58	77	350	150	LR CPDP-JRJT-1
	Amber	617	InGaAlP	80	104	350	150	LA CPDP-KQKS-W3
	Yellow	590	InGaAlP	56	71	350	150	LY CPDP-JSJU-1
	True Green	528	InGaN	95	85	350	150	LT CPDP-KXKZ-26
	Blue	470	InGaN	28	25	350	150	LB CPDP-GYHY-35
	Deep Blue	455	InGaN	515 mW	46	350	150	LD CQDP-1U3U-W5
 **Golden DRAGON Plus** (6.2mm x 11.2mm x 3.1mm)	Hyper Red	645	InGaAlP	320mW	38	400	170	LH W5AM-1T3T-1
	Red	625	InGaAlP	55	61	400	170	LR W5AM-JXJZ-1
	Amber	617	InGaAlP	65	73	400	170	LA W5AM-JYKX-23
	Yellow	590	InGaAlP	50	55	400	170	LY W5AM-HZJY-36
	Verde Green	505	InGaN	72	64	350	170	LV W5AM-JYKY-25
	True Green	528	InGaN	90	80	350	170	LT W5AM-KXKY-26
	Blue	470	InGaN	27	23	350	170	LB W5AM-GYHY-25
	Deep Blue	455	InGaN	450 mW	40	350	170	LD W5AM-3T3U-35
 **Advanced Power TOPLED Plus** (6.0mm x 3.6mm x 2.27mm)	Red	623	InGaAlP	13	60	100	145	LR G5AP-BZCZ-1-1
	True Green	527	InGaN	21	62	100	145	LT G5AP-CZEX-36-1
	Deep Blue	457	InGaN	120 mW	40	100	145	LD G5AP-2M2N-35-1
 **Power TOPLED** (3.7mm x 3.0mm x 2.1mm)	Super-red	633	InGaAlP	4,6	38	50	120	LS E6SF-V2BA-1-1
	Red	625	InGaAlP	5,8	49	50	120	LR E6SF-AABB-1-1
	Amber	617	InGaAlP	8	69	50	120	LA E6SF-BACA-24-1
	Orange	606	InGaAlP	8,8	69	50	120	LO E6SF-ABCB-24-1
	Yellow	590	InGaAlP	5	44	50	120	LY E6SF-AABA-46-1
	True Green	525	InGaN	5	51	30	120	LT E6SG-AABA-36-1
	Blue	469	InGaN	1,5	20	30	120	LB E6SG-T1U2-35-1
 **MultiLED** (3.6mm x 3.5mm x 2.0mm)	R / T /B (white binned)	625 / 528 / 465	InGaAlP / InGaN	600 / 980 / 250	33	20	120	LRTB G6SF-V2BA-3E7F
	R / T / B	625/528/458	InGaAlP/InGaN	600/925/335	43/36/11	20	120	LRTB G6SG-T1V1-1+ U1AA--25+R1U1-68
	R / T / B	625/528/470	InGaAlP/InGaN	1078/1570/378	45/50/11	20	120	LRTB GFTG-T7AW-1+ V7A7--29+R5T9-49-S