LUMILEDS

ILLUMINATION

LUXEON CS CoB Gen 2

High efficacy, superior quality of light and ease for design footprints

LUXEON CS extends Lumileds CoB leadership for performance and reliability to an entirely new board footprint that enables easy design-in for new luminaire progams and as a cost-effective replacement for existing solutions where an upgrade is desired. State-of-the-art LUXEON CoB technology delivers unmatched performance, quality of light, and uncompromising product quality.

FEATURES AND BENEFITS

- Widely used square footprints for easy design-in
- High performance with superior color stability
- Low thermal resistance enables smaller heatsinks and extends the operating life span
- Supported by a comprehensive optical, mechanical, and electrical ecosystem

PRIMARY APPLICATIONS

- Track Lights
- Downlights
- Spotlights
- High Bay
- Low Bay
- More...

DS563 LUXEON CS CoB Gen 2 Product Datasheet ©2025 Lumileds Holding B.V. All rights reserved.

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General Product Information

Product Test Conditions

LUXEON CS CoB LEDs are tested and binned with a DC drive current specified below at a junction temperature, T_j of 85°C:

180mA – L2C6-AABBCL02C0600
180mA – L2C6-AABBCL02C0900
270mA – L2C6-AABBCL03C0900
360mA – L2C6-AABBCL04C0900
450mA – L2C6-AABBCL05C1300
540mA – L2C6-AABBCL06C1300
720mA – L2C6-AABBCL08C1500
900mA – L2C6-AABBCL10C1500
150mA – L2C6-AABBCL04D090K
225mA – L2C6-AABBCL06D130K
300mA – L2C6-AABBCL08D150K
375mA – L2C6-AABBCL10D150K
600mA – L2C6-AABBCL16D220K

Part Number Nomenclature

Part numbers for LUXEON CS CoB follow the convention below:

L 2 C 6 – **A A B B C D D D E F F G G**

Where:

A A – designates nominal CCT (27=2700K, 30=3000K, 35=3500K, 40=4000K, 50=5000K)
B B – designates minimum CRI (90=90CRI)
C – designates SDCM (2=2-step MacAdam)
D D D – designates product configuration (example: L08=1208)
E – designates options for product specification
F F – designates light emitting surface (LES) size (06=6.3mm, 09=9.8mm, 13=13mm, 15=14.5mm)
G G – designates options for product specification

Therefore, the following part number is used for a LUXEON CS CoB 1208, 3000K 90CRI, 2 SDCM with a 14.5mm LES:

L 2 C 6 – **3 0 9 0 2 L 0 8 C 1 5 0 0**

Lumen Maintenance

Please contact your local Sales Representative or Lumileds Technical Solutions Manager for more information about the long-term performance of this product.

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Environmental Compliance

Lumileds LLC is committed to providing environmentally friendly products to the solid-state lighting market. LUXEON CS CoB is compliant to the European Union directives on the restriction of hazardous substances in electronic equipment, namely the RoHS Directive 2011/65/EU and REACH Regulation (EC) 1907/2006. Lumileds LLC will not intentionally add the following restricted materials to its products: lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB) or polybrominated diphenyl ethers (PBDE).

Performance Characteristics

Product Selection Guide

Table 1a. Product performance of LUXEON CS CoB G2 at specified test current, T_j=85°C

LES [4] (mm)	NOMINAL CCT	MINIMUM CRI [1, 2, 3]	LUMINOUS FLUX [1] (lm)		TYPICAL LUMINOUS EFFICACY (lm/W)	TEST CURRENT (mA)	ENERGY EFFICIENCY CLASS [5]	PART NUMBER
			MINIMUM	TYPICAL				
6.3	2700K	90	827	919	151	180	D	L2C6-2790xL02C0600
6.3	3000K	90	859	954	156	180	D	L2C6-3090xL02C0600
6.3	3500K	90	889	988	162	180	D	L2C6-3590xL02C0600
6.3	4000K	90	890	989	162	180	D	L2C6-4090xL02C0600
6.3	5000K	90	893	992	163	180	D	L2C6-5090xL02C0600
9.8	2700K	90	875	972	159	180	D	L2C6-2790xL02C0900
9.8	3000K	90	879	977	160	180	D	L2C6-3090xL02C0900
9.8	3500K	90	907	1008	165	180	D	L2C6-3590xL02C0900
9.8	4000K	90	908	1008	165	180	D	L2C6-4090xL02C0900
9.8	5000K	90	910	1011	166	180	D	L2C6-5090xL02C0900
9.8	2700K	90	1332	1480	162	270	D	L2C6-2790xL03C0900
9.8	3000K	90	1350	1500	164	270	D	L2C6-3090xL03C0900
9.8	3500K	90	1400	1555	170	270	D	L2C6-3590xL03C0900
9.8	4000K	90	1393	1548	169	270	D	L2C6-4090xL03C0900
9.8	5000K	90	1398	1554	170	270	D	L2C6-5090xL03C0900
9.8	2700K	90	1801	2001	164	360	D	L2C6-2790xL04C0900
9.8	3000K	90	1782	1980	162	360	D	L2C6-3090xL04C0900
9.8	3500K	90	1877	2086	171	360	D	L2C6-3590xL04C0900
9.8	4000K	90	1865	2072	170	360	D	L2C6-4090xL04C0900
9.8	5000K	90	1871	2079	170	360	D	L2C6-5090xL04C0900
13	2700K	90	2209	2454	161	450	D	L2C6-2790xL05C1300
13	3000K	90	2263	2515	165	450	D	L2C6-3090xL05C1300
13	3500K	90	2306	2563	168	450	D	L2C6-3590xL05C1300
13	4000K	90	2313	2570	168	450	D	L2C6-4090xL05C1300
13	5000K	90	2321	2578	169	450	D	L2C6-5090xL05C1300
13	2700K	90	2646	2940	161	540	D	L2C6-2790xL06C1300
13	3000K	90	2705	3006	164	540	D	L2C6-3090xL06C1300
13	3500K	90	2792	3103	169	540	D	L2C6-3590xL06C1300
13	4000K	90	2799	3110	170	540	D	L2C6-4090xL06C1300
13	5000K	90	2810	3122	171	540	D	L2C6-5090xL06C1300
14.5	2700K	90	3510	3900	160	720	D	L2C6-2790xL08C1500
14.5	3000K	90	3569	3965	162	720	D	L2C6-3090xL08C1500
14.5	3500K	90	3683	4093	168	720	D	L2C6-3590xL08C1500
14.5	4000K	90	3710	4122	169	720	D	L2C6-4090xL08C1500
14.5	5000K	90	3721	4134	169	720	D	L2C6-5090xL08C1500
14.5	2700K	90	4404	4893	160	900	D	L2C6-2790xL10C1500
14.5	3000K	90	4459	4954	162	900	D	L2C6-3090xL10C1500
14.5	3500K	90	4538	5042	165	900	D	L2C6-3590xL10C1500
14.5	4000K	90	4583	5092	167	900	D	L2C6-4090xL10C1500
14.5	5000K	90	4597	5108	167	900	D	L2C6-5090xL10C1500

Notes for Table 1a:
1. Lumileds maintains a tolerance of ±2 on CRI and ±6.5% on luminous flux measurements.
2. Typical CRI is approximately 2 points higher than the minimum CRI specified, but this is not guaranteed.
3. R9 value of 90CRI products is >50.
4. Light Emitting Surface (LES) is the inner diameter (phosphor area) inside the dam.
5. Energy efficiency class as specified in Commission Delegated Regulation (EU) 2019/2015. The available range of energy efficiency classes is A-G.

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Table 2a. Product performance of LUXEON CS CoB G2 HE at specified test current, T_j=50ºC

LES [4] (mm)	NOMINAL CCT	MINIMUM CRI [1, 2, 3]	LUMINOUS FLUX [1] (lm)		TYPICAL LUMINOUS EFFICACY (lm/W)	TEST CURRENT (mA)	ENERGY EFFICIENCY CLASS [5]	PART NUMBER
			MINIMUM	TYPICAL				
10.2	2700K	90	844	938	192	150	C	L2C6-2790xL04D090K
10.2	3000K	90	876	973	200	150	B	L2C6-3090xL04D090K
10.2	3500K	90	885	983	202	150	B	L2C6-3590xL04D090K
10.2	4000K	90	891	990	203	150	B	L2C6-4090xL04D090K
10.2	5000K	90	891	990	203	150	B	L2C6-5090xL04D090K
14.5	2700K	90	1292	1436	196	225	C	L2C6-2790xL06D130K
14.5	3000K	90	1328	1475	202	225	B	L2C6-3090xL06D130K
14.5	3500K	90	1355	1505	206	225	B	L2C6-3590xL06D130K
14.5	4000K	90	1364	1516	207	225	B	L2C6-4090xL06D130K
14.5	5000K	90	1364	1516	207	225	B	L2C6-5090xL06D130K
16.2	2700K	90	1710	1900	195	300	C	L2C6-2790xL08D150K
16.2	3000K	90	1762	1958	201	300	B	L2C6-3090xL08D150K
16.2	3500K	90	1787	1985	204	300	B	L2C6-3590xL08D150K
16.2	4000K	90	1800	2000	205	300	B	L2C6-4090xL08D150K
16.2	5000K	90	1800	2000	205	300	B	L2C6-5090xL08D150K
16.2	2700K	90	2102	2335	192	375	C	L2C6-2790xL10D150K
16.2	3000K	90	2192	2435	200	375	B	L2C6-3090xL10D150K
16.2	3500K	90	2219	2465	202	375	B	L2C6-3590xL10D150K
16.2	4000K	90	2232	2480	203	375	B	L2C6-4090xL10D150K
16.2	5000K	90	2232	2480	203	375	B	L2C6-5090xL10D150K
23.5	2700K	90	3456	3840	197	600	C	L2C6-2790xL16D220K
23.5	3000K	90	3553	3948	202	600	B	L2C6-3090xL16D220K
23.5	3500K	90	3609	4010	206	600	B	L2C6-3590xL16D220K
23.5	4000K	90	3627	4030	207	600	B	L2C6-4090xL16D220K
23.5	5000K	90	3627	4030	207	600	B	L2C6-5090xL16D220K

Notes for Table 2a:
1. Lumileds maintains a tolerance of ±2 on CRI and ±6.5% on luminous flux measurements.
2. Typical CRI is approximately 2 points higher than the minimum CRI specified, but this is not guaranteed.
3. R9 value of 90CRI products is >50.
4. Light Emitting Surface (LES) is the inner diameter (phosphor area) inside the dam.
5. Energy efficiency class as specified in Commission Delegated Regulation (EU) 2019/2015. The available range of energy efficiency classes is A-G.

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Table 2b. Product performance of LUXEON CS CoB G2 HE PW at specified test current, T_j=50ºC

LES [4] (mm)	NOMINAL CCT	MINIMUM CRI [1, 2, 3]	LUMINOUS FLUX [1] (lm)		TYPICAL LUMINOUS EFFICACY (lm/W)	TEST CURRENT (mA)	ENERGY EFFICIENCY CLASS [5]	PART NUMBER
			MINIMUM	TYPICAL				
10.2	3000K	90	859	954	196	150	C	L2C6-3090xL04D09PK
10.2	3500K	90	868	964	198	150	C	L2C6-3590xL04D09PK
10.2	4000K	90	878	975	200	150	B	L2C6-4090xL04D09PK
14.5	3000K	90	1314	1460	200	225	B	L2C6-3090xL06D13PK
14.5	3500K	90	1328	1475	202	225	B	L2C6-3590xL06D13PK
14.5	4000K	90	1337	1485	203	225	B	L2C6-4090xL06D13PK
16.2	3000K	90	1751	1946	200	300	B	L2C6-3090xL08D15PK
16.2	3500K	90	1761	1957	201	300	B	L2C6-3590xL08D15PK
16.2	4000K	90	1778	1975	203	300	B	L2C6-4090xL08D15PK
16.2	3000K	90	2145	2383	196	375	C	L2C6-3090xL10D15PK
16.2	3500K	90	2169	2410	198	375	C	L2C6-3590xL10D15PK
16.2	4000K	90	2192	2435	200	375	B	L2C6-4090xL10D15PK
23.5	3000K	90	3510	3900	200	600	B	L2C6-3090xL16D22PK
23.5	3500K	90	3541	3934	202	600	B	L2C6-3590xL16D22PK
23.5	4000K	90	3564	3960	203	600	B	L2C6-4090xL16D22PK

Notes for Table 2b:
1. Lumileds maintains a tolerance of ±2 on CRI and ±6.5% on luminous flux measurements.
2. Typical CRI is approximately 2 points higher than the minimum CRI specified, but this is not guaranteed.
3. R9 value of 90CRI products is >50.
4. Light Emitting Surface (LES) is the inner diameter (phosphor area) inside the dam.
5. Energy efficiency class as specified in Commission Delegated Regulation (EU) 2019/2015. The available range of energy efficiency classes is A-G.

Optical Characteristics

Table 3. Optical characteristics for LUXEON CS CoB at specified test current, T_j=85°C

PART NUMBER	TYPICAL TOTAL INCLUDED ANGLE [1]	TYPICAL VIEWING ANGLE [2]
L2C6-xxxxxxxxCxx00	135°	115°

Notes for Table 3:
1. Total angle at which 90% of total luminous flux is captured.
2. Viewing angle is the off axis angle from the LED centerline where the luminous intensity is ½ of the peak value.

Electrical and Thermal Characteristics

Table 4. Electrical and thermal characteristics for LUXEON CS CoB at specified test current, T_j=85°C

PART NUMBER	FORWARD VOLTAGE [1] (V_f)			TYPICAL TEMPERATURE COEFFICIENT OF FORWARD VOLTAGE [2] (mV/°C)	TYPICAL THERMAL RESISTANCE—JUNCTION TO CASE [3] (°C/W)
	MINIMUM	TYPICAL	MAXIMUM		
L2C6-xxxxxL02C0600	32.5	33.9	35.5	10	0.78
L2C6-xxxxxL02C0900	32.5	33.9	35.5	10	0.78
L2C6-xxxxxL03C0900	32.5	33.9	35.5	10	0.60
L2C6-xxxxxL04C0900	32.5	33.9	35.5	10	0.43
L2C6-xxxxxL05C1300	32.5	33.9	35.5	10	0.26
L2C6-xxxxxL06C1300	32.5	33.9	35.5	10	0.24
L2C6-xxxxxL08C1500	32.5	33.9	35.5	10	0.20
L2C6-xxxxxL10C1500	32.5	33.9	35.5	10	0.18
L2C6-xxxxxL04D09xK	31.0	32.5	34.1	10	0.23
L2C6-xxxxxL06D13xK	31.0	32.5	34.1	10	0.18
L2C6-xxxxxL08D15xK	31.0	32.5	34.1	10	0.15
L2C6-xxxxxL10D15xK	31.0	32.5	34.1	10	0.12
L2C6-xxxxxL16D22xK	31.0	32.5	34.1	10	0.07

Notes for Table 4:
1. Lumileds maintains a tolerance of ±0.06V on forward voltage measurements.
2. Measured between 25°C and 85°C.
3. Thermal resistance is measured between junction and the bottom of the LUXEON CoB substrate.

Absolute Maximum Ratings

Table 5. Absolute maximum ratings for LUXEON CS CoB

PARAMETER	MAXIMUM PERFORMANCE	
DC Forward Current [1, 2, 3]	L2C6-xxxxxLxxCxxxx	2.5x test current
	L2C6-xxxxxLxxDxxxK	4.8x test current
LED Junction Temperature [1] (DC & Pulse)	125°C	
ESD Sensitivity (ANSI/ESDA/JEDEC JS-001-2012)	Class 3B	
Operating Case Temperature [1]	-40°C to 105°C	
LED Storage Temperature	-40°C to 120°C	
Reverse Voltage ($V_{reverse}$)	LUXEON LEDs are not designed to be driven in reverse bias	

Notes for Table 5:
1. Proper current derating must be observed to maintain the junction temperature below the maximum allowable junction temperature.
2. Residual periodic variations due to power conversion from alternating current (AC) to direct current (DC), also called "ripple," are acceptable if the following conditions are met:
   – The frequency of the ripple current is 100Hz or higher
   – The average current for each cycle does not exceed the maximum allowable DC forward current
   – The maximum amplitude of the ripple does not exceed the maximum peak pulsed forward current
3. Exception: LUXEON CS CoB 1812 and 1818 have maximum DC forward current of 2.2x of test current.

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Characteristic Curves

Spectral Power Distribution Characteristics

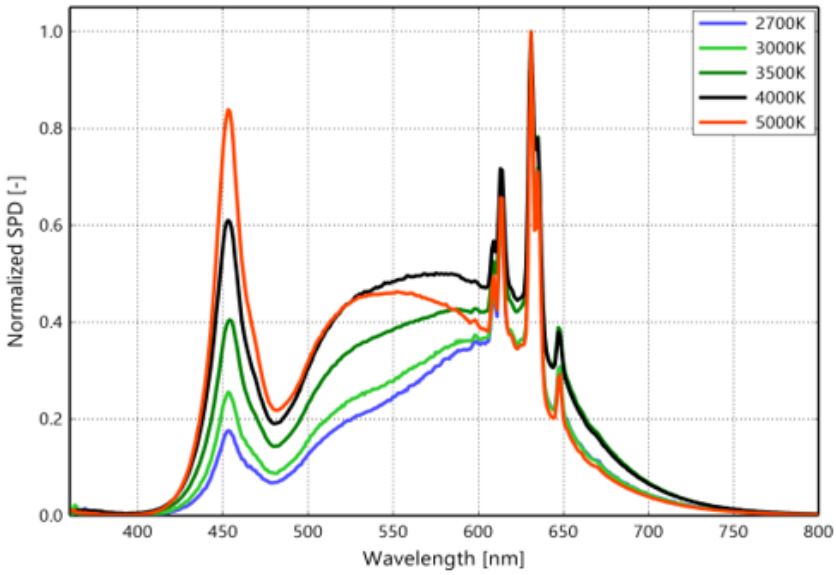

Figure 1a. Typical normalized power vs. wavelength for L2C6-xx90xxxxCxxxx at specified test current, T_j=85°C

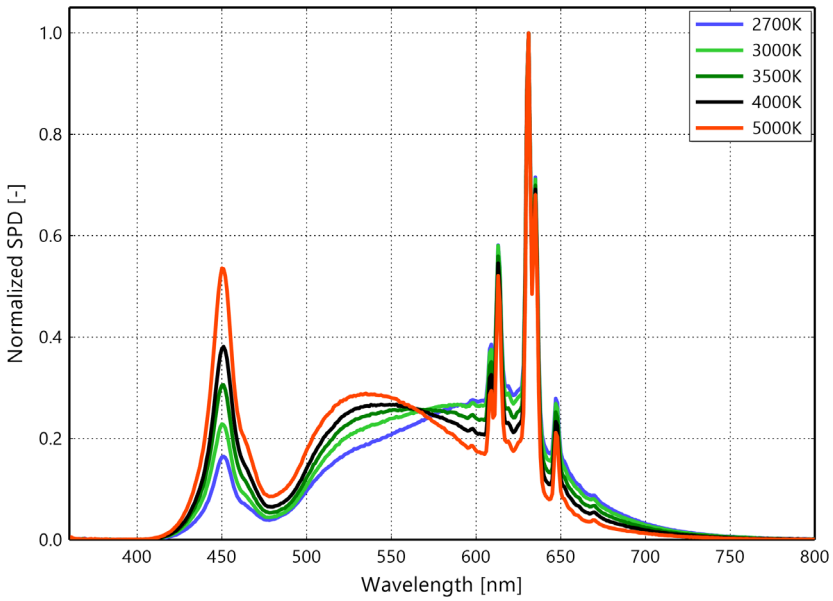

Figure 1b. Typical normalized power vs. wavelength for L2C6-xx90xxxxDxxxx at specified test current, Tj=85°C

Light Output Characteristics

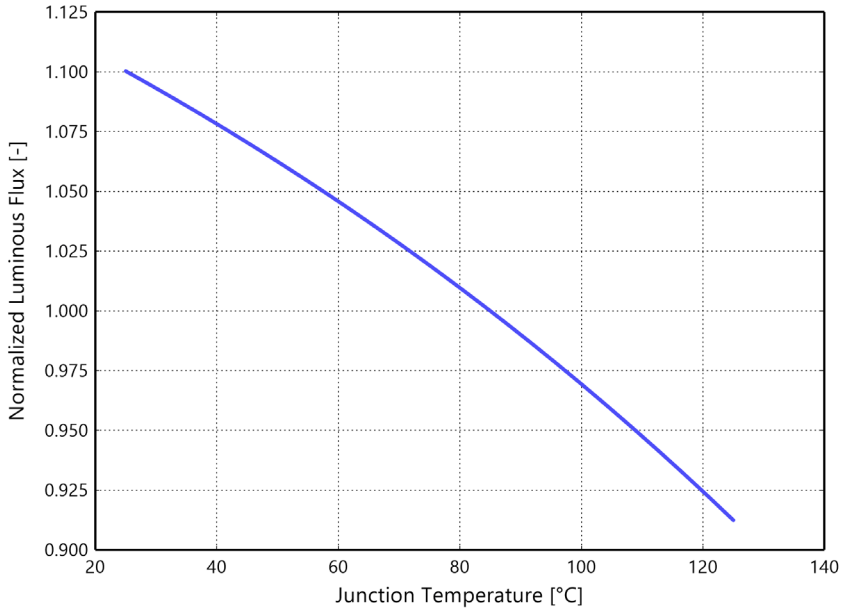

Figure 2a. Typical normalized light output vs. junction temperature for L2C6-xxxxxLxxCxxxx at specified test current

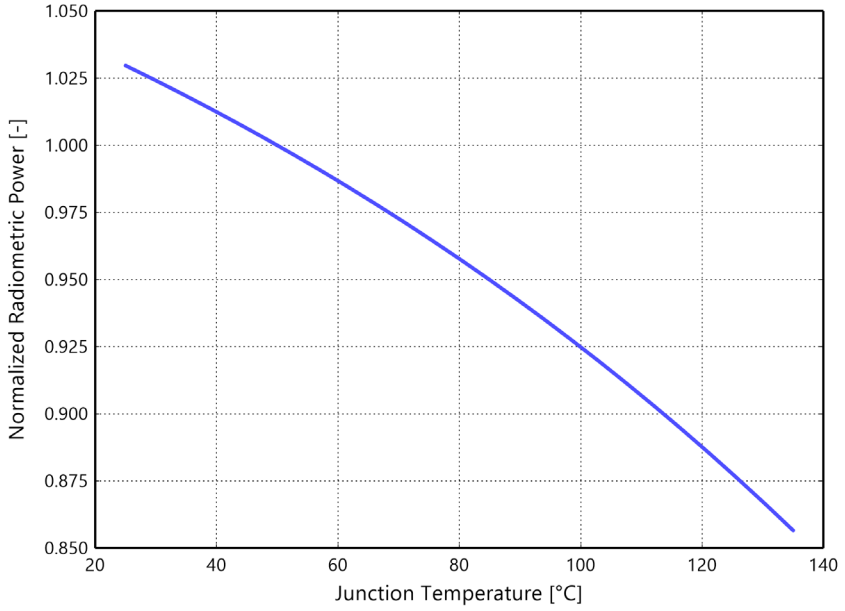

Figure 2b. Typical normalized light output vs. junction temperature for L2C6-xxxxxLxxDxxxx at specified test current

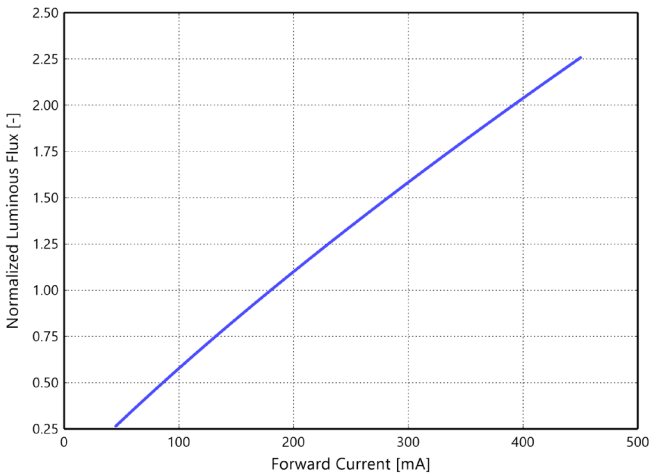

Figure 3a. Typical normalized light output vs. forward current for L2C6-xxxxxL02C0600 at T_j=85°C

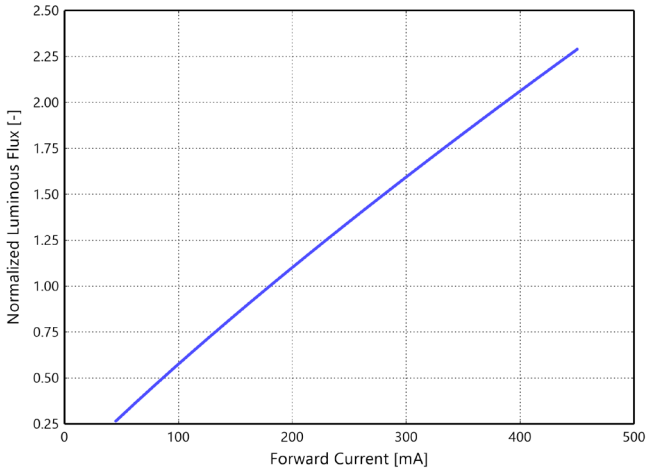

Figure 3b. Typical normalized light output vs. forward current for L2C6-xxxxxL02C0900 at T_j=85°C

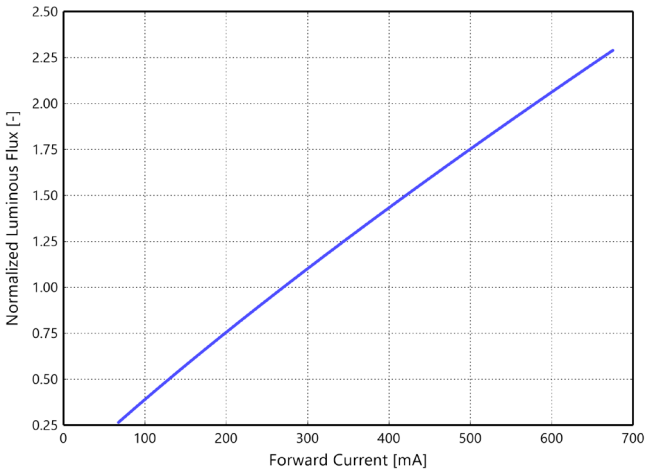

Figure 3c. Typical normalized light output vs. forward current for L2C6-xxxxxL03C0900 at T_j=85°C

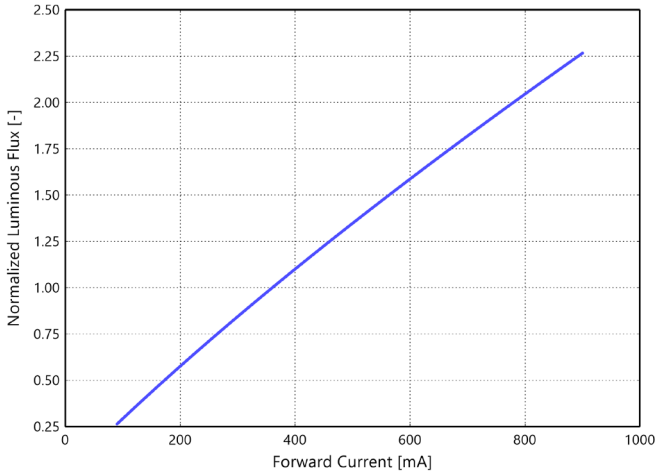

Figure 3d. Typical normalized light output vs. forward current for L2C6-xxxxxL04C0900 at T_j=85°C

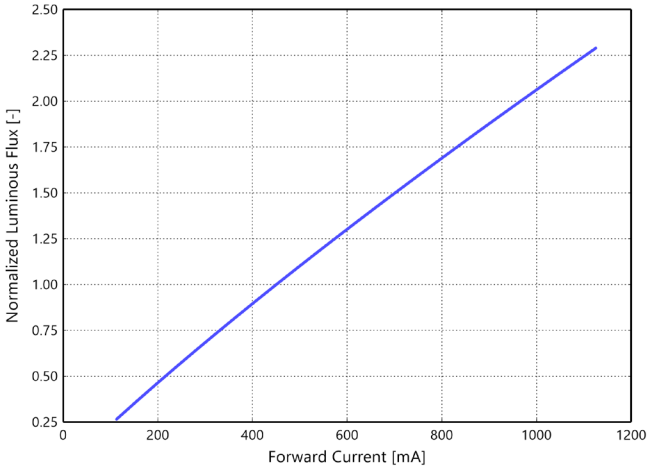

Figure 3e. Typical normalized light output vs. forward current for L2C6-xxxxxL05C1300 at T_j=85°C

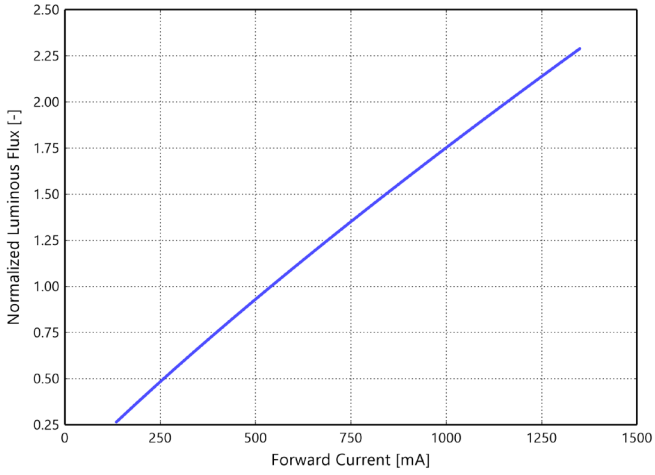

Figure 3f. Typical normalized light output vs. forward current for L2C6-xxxxxL06C1300 at T_j=85°C

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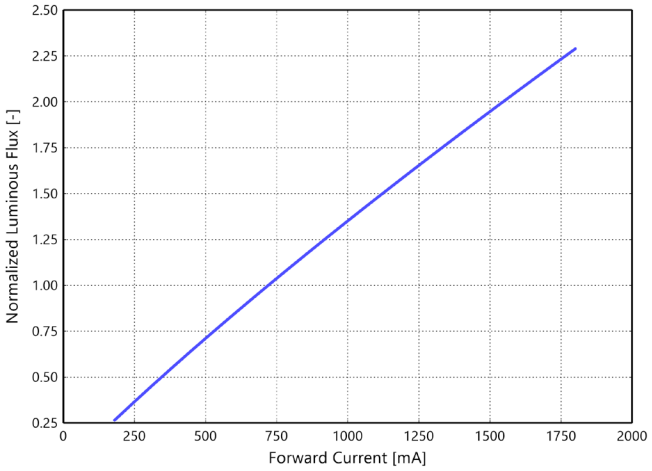

Figure 3g. Typical normalized light output vs. forward current for L2C6-xxxxxL08C1500 at T_j=85°C

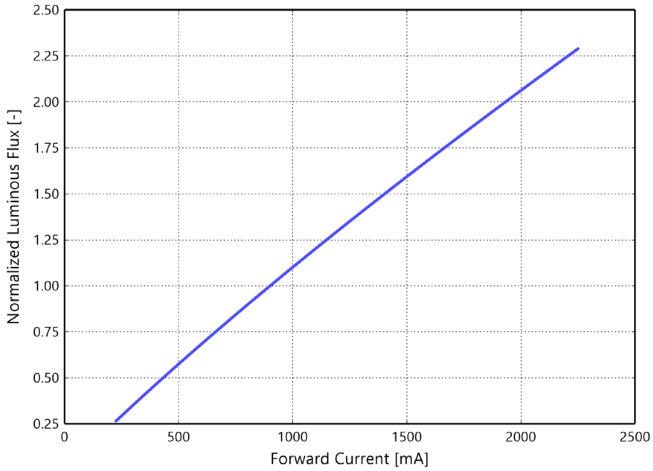

Figure 3h. Typical normalized light output vs. forward current for L2C6-xxxxxL10C1500 at T_j=85°C

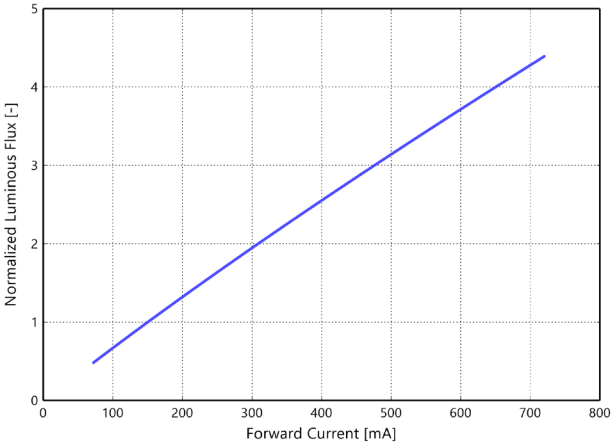

Figure 3i. Typical normalized light output vs. forward current for L2C6-xxxxxL04D09xx at Tj=85°C

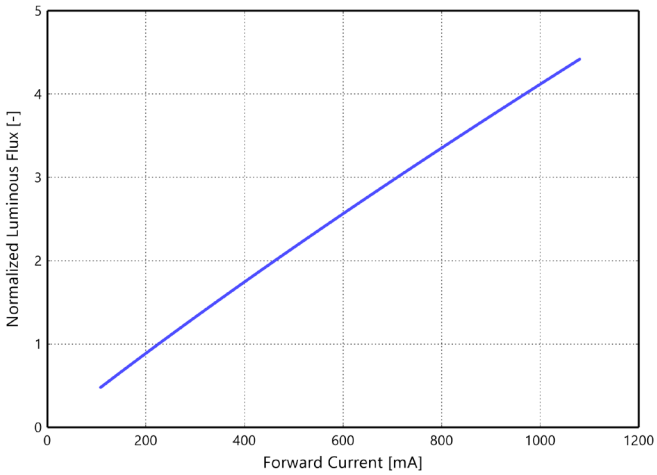

Figure 3j. Typical normalized light output vs. forward current for L2C6-xxxxxL06D13xx at Tj=85°C

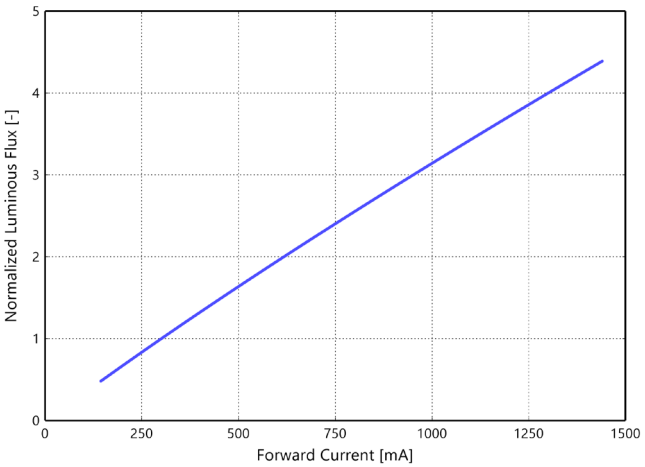

Figure 3k. Typical normalized light output vs. forward current for L2C6-xxxxxL08D15xx at Tj=85°C

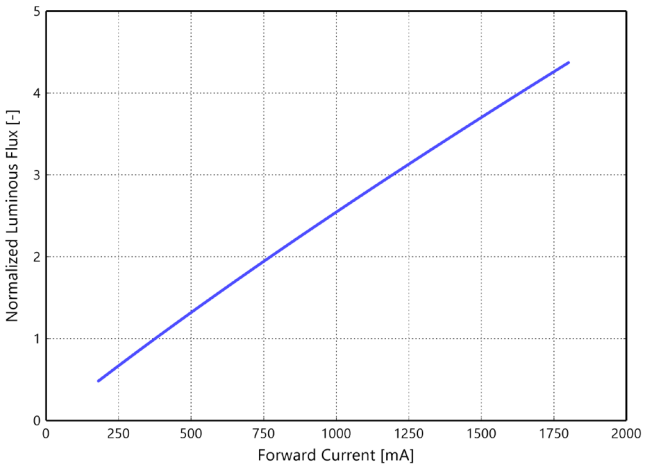

Figure 3l. Typical normalized light output vs. forward current for L2C6-xxxxxL10D15xx at Tj=85°C

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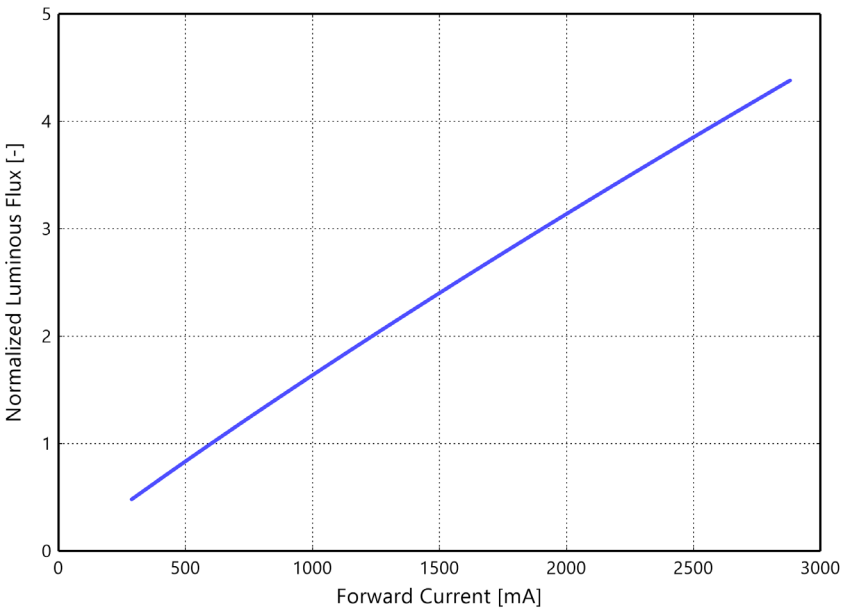

Figure 3m. Typical normalized light output vs. forward current for L2C6-xxxxxL16D22xx at T_j=85°C

Forward Current Characteristics

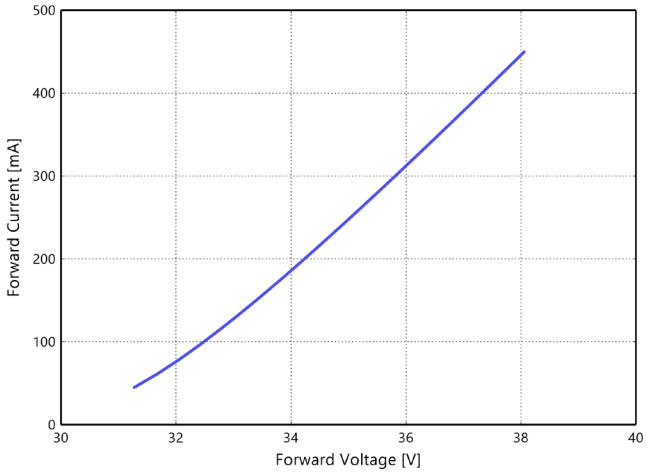

Figure 4a. Typical forward current vs. forward voltage for L2C6-xxxxxL02C0600 at T_j=85°C

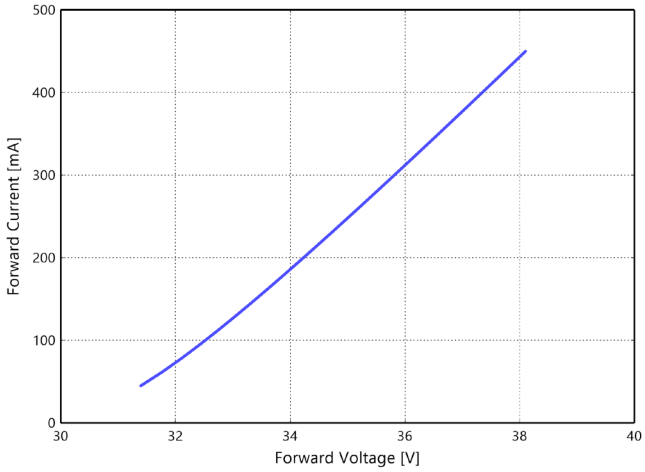

Figure 4b. Typical forward current vs. forward voltage for L2C6-xxxxxL02C0900 at T_j=85°C

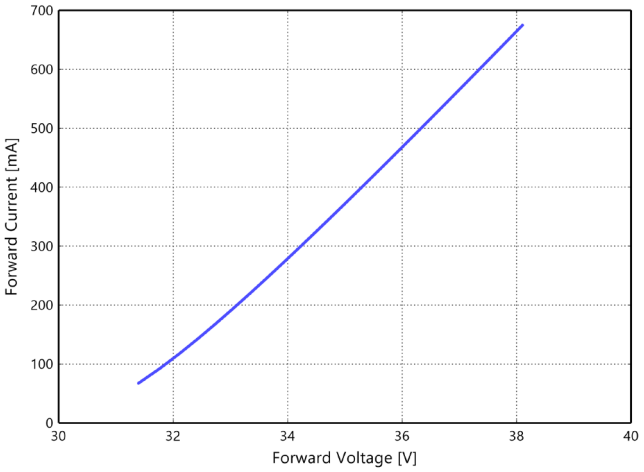

Figure 4c. Typical forward current vs. forward voltage for L2C6-xxxxxL03C0900 at T_j=85°C

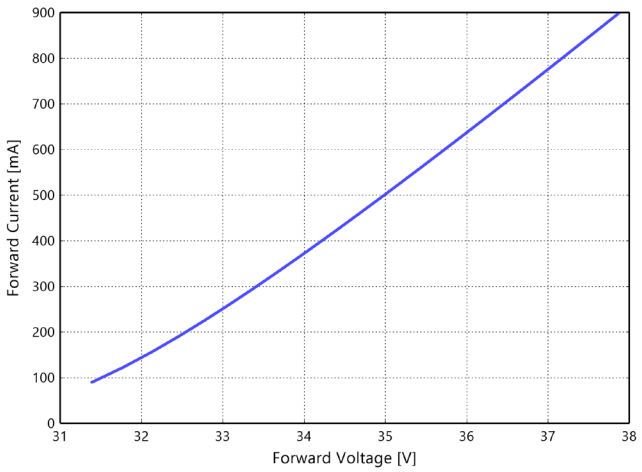

Figure 4d. Typical forward current vs. forward voltage for L2C6-xxxxxL04C0900 at T_j=85°C

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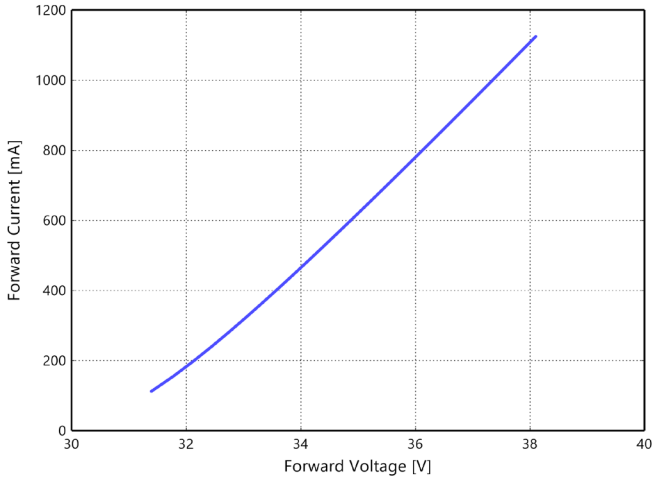

Figure 4e. Typical forward current vs. forward voltage for L2C6-xxxxxL05C1300 at T_j=85°C

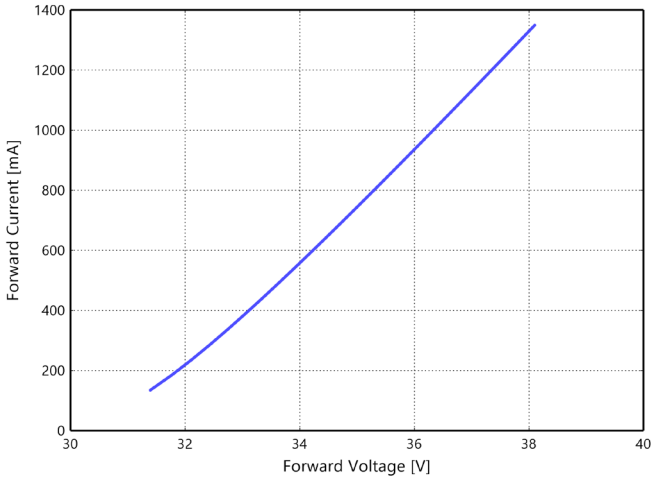

Figure 4f. Typical forward current vs. forward voltage for L2C6-xxxxxL06C1500 at T_j=85°C

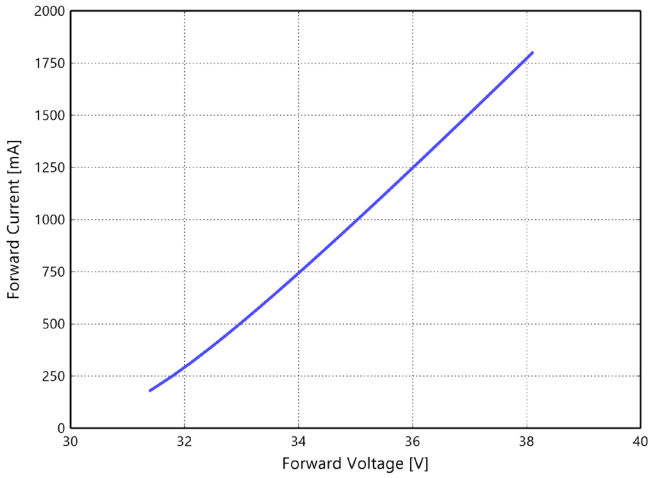

Figure 4g. Typical forward current vs. forward voltage for L2C6-xxxxxL08C1500 at T_j=85°C

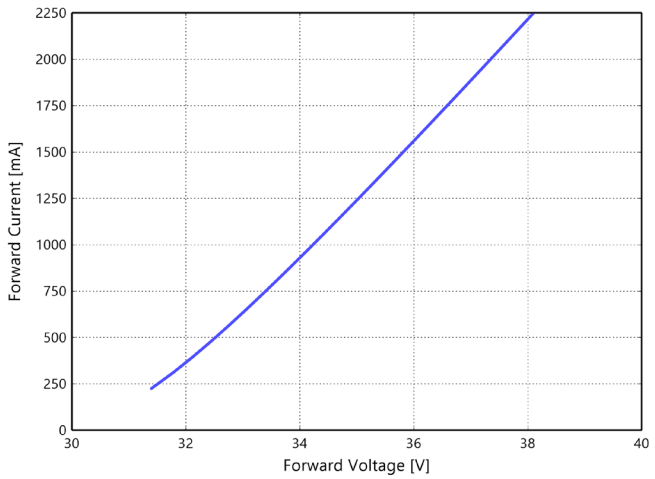

Figure 4h. Typical forward current vs. forward voltage for L2C6-xxxxxL10C1500 at T_j=85°C

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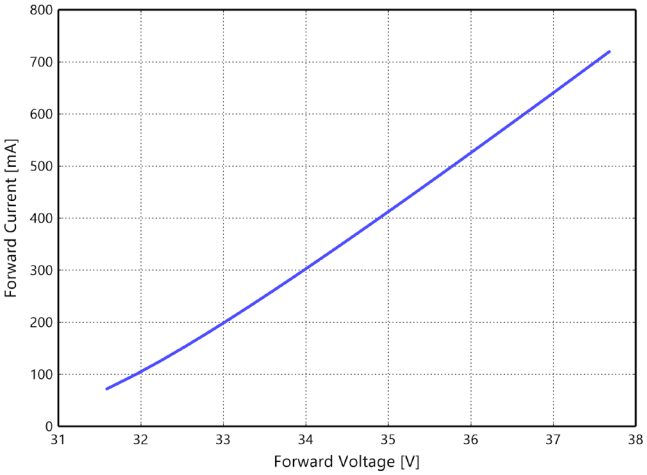

Figure 4i. Typical forward current vs. forward voltage for L2C6-xxxxxL04D09xx at T_j=85°C

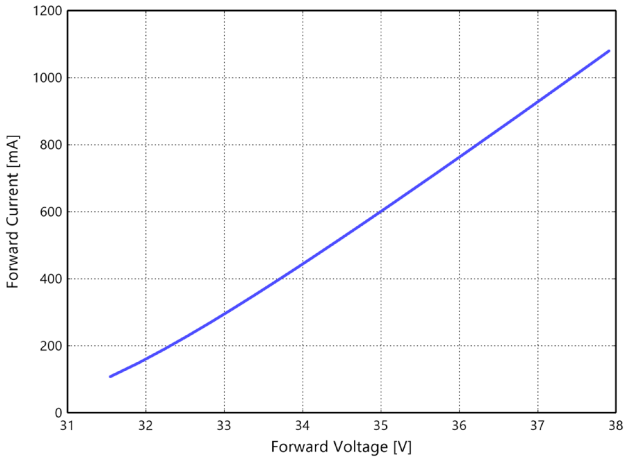

Figure 4j. Typical forward current vs. forward voltage for L2C6-xxxxxL06D15xx at T_j=85°C

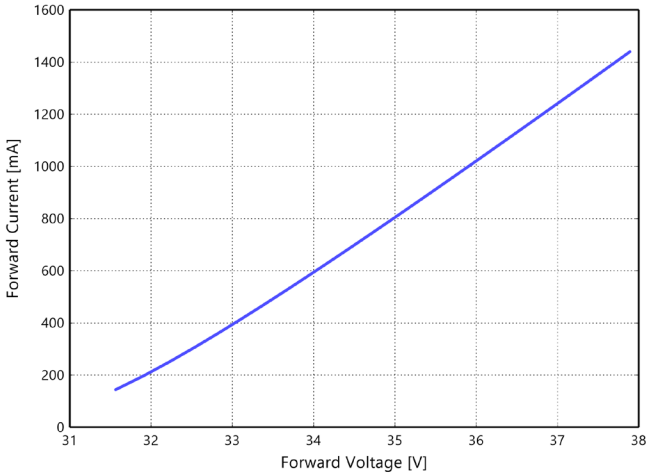

Figure 4k. Typical forward current vs. forward voltage for L2C6-xxxxxL08D15xx at T_j=85°C

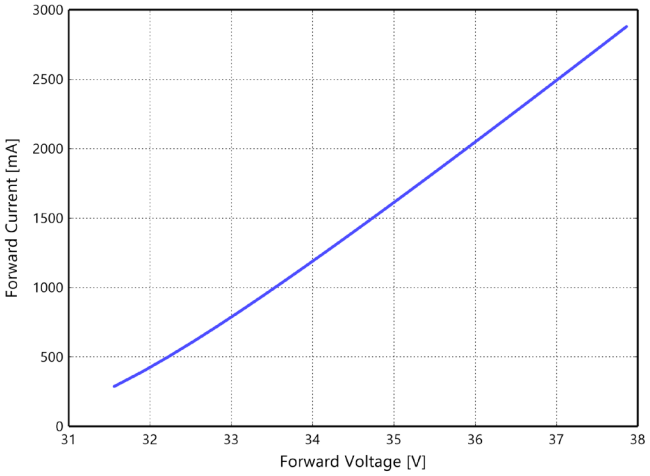

Figure 4l. Typical forward current vs. forward voltage for L2C6-xxxxxL10D15xx at T_j=85°C

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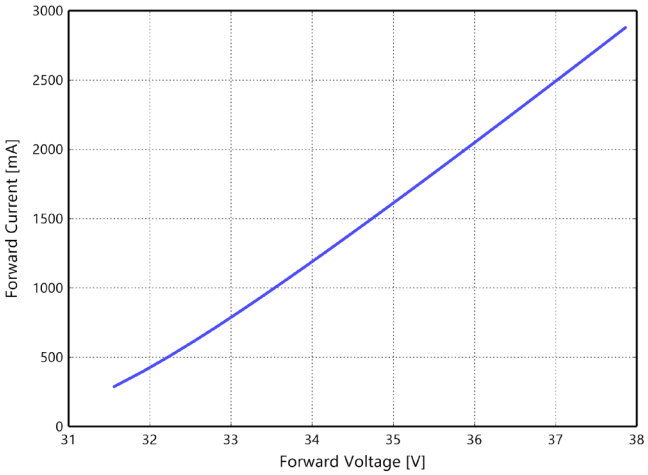

Figure 4m. Typical forward current vs. forward voltage for L2C6-xxxxxL16D22xx at T_j=85°C

Radiation Pattern Characteristics

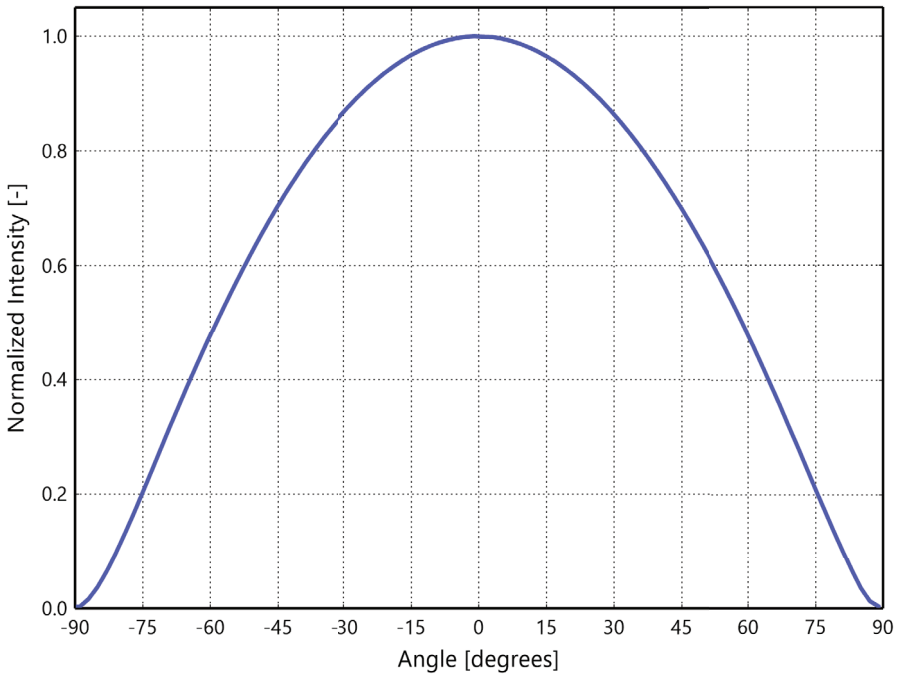

Figure 5. Typical radiation pattern for LUXEON CS CoB at specified test current, T_j=85°C

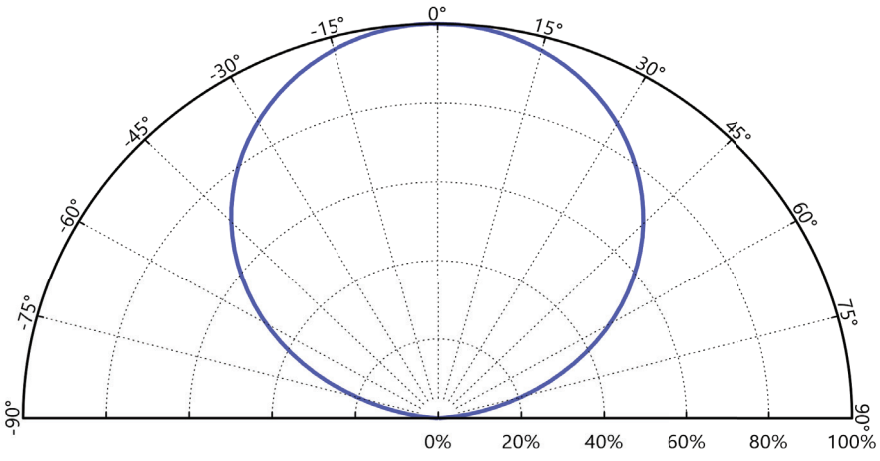

Figure 6. Typical polar radiation pattern for LUXEON CS CoB at specified test current, T_j =85°C

Color Bin Definitions

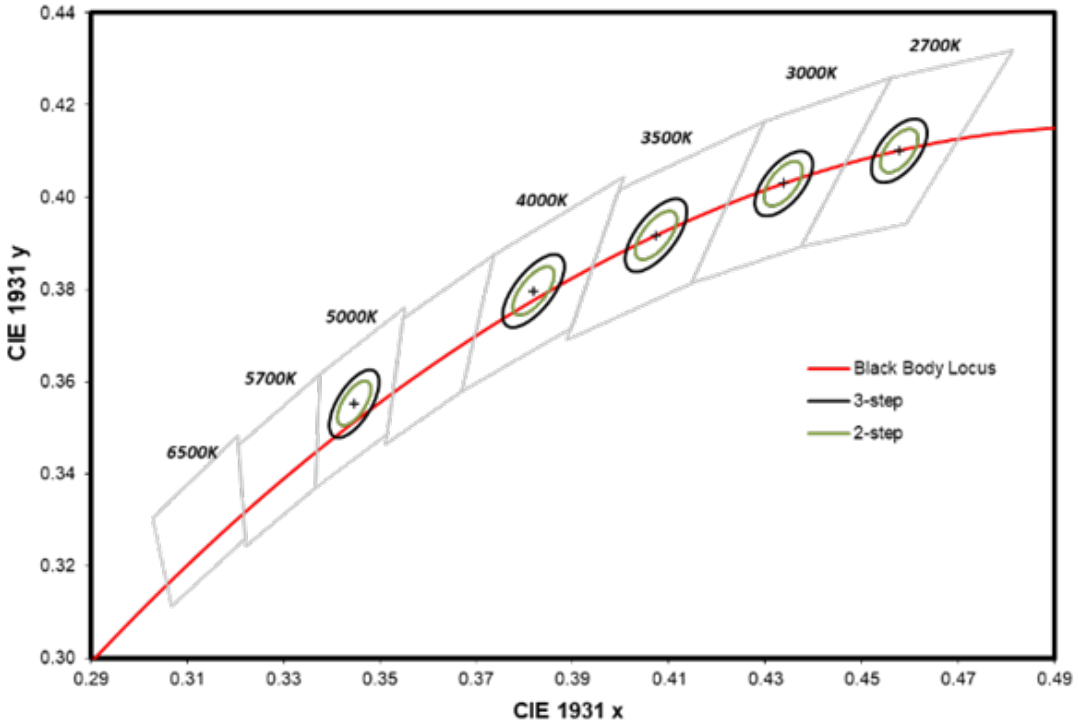

Figure 7. 2-step and 3-step MacAdam ellipse illustration for Table 5

Table 6. 2-step MacAdam ellipse color bin definitions for LUXEON CS CoB

NOMINAL CCT	COLOR SPACE	CENTER POINT [1] (cx, cy)	MAJOR AXIS, a		MINOR AXIS, b		ELLIPSE ROTATION ANGLE, θ
			2-step	3-step	2-step	3-step	
2700K	2-step, 3-step MacAdam ellipse	(0.4578, 0.4101)	0.00540	0.00810	0.00280	0.00420	53.70°
3000K	2-step, 3-step MacAdam ellipse	(0.4338, 0.4030)	0.00556	0.00834	0.00272	0.00408	53.22°
3500K	2-step, 3-step MacAdam ellipse	(0.4073, 0.3917)	0.00618	0.00927	0.00276	0.00414	54.00°
4000K	2-step, 3-step MacAdam ellipse	(0.3818, 0.3797)	0.00626	0.00939	0.00268	0.00402	53.72°
5000K	2-step, 3-step MacAdam ellipse	(0.3447, 0.3553)	0.00548	0.00822	0.00236	0.00354	59.62°

Notes for Table 6:
1. Lumileds maintains a tolerance of ±0.005 on x and y coordinates in the CIE 1931 color space.

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Mechanical Dimensions

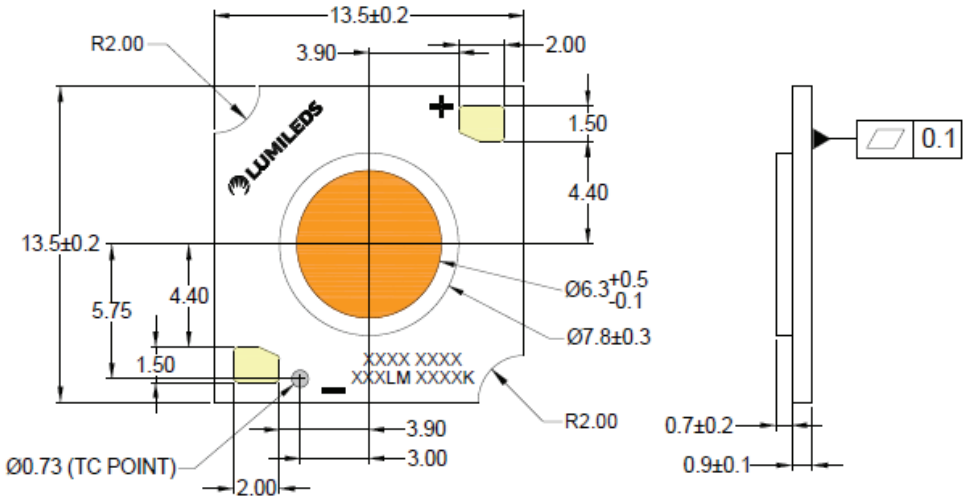

Figure 8a. Mechanical dimensions for L2C6-xxxxxL02C06xx

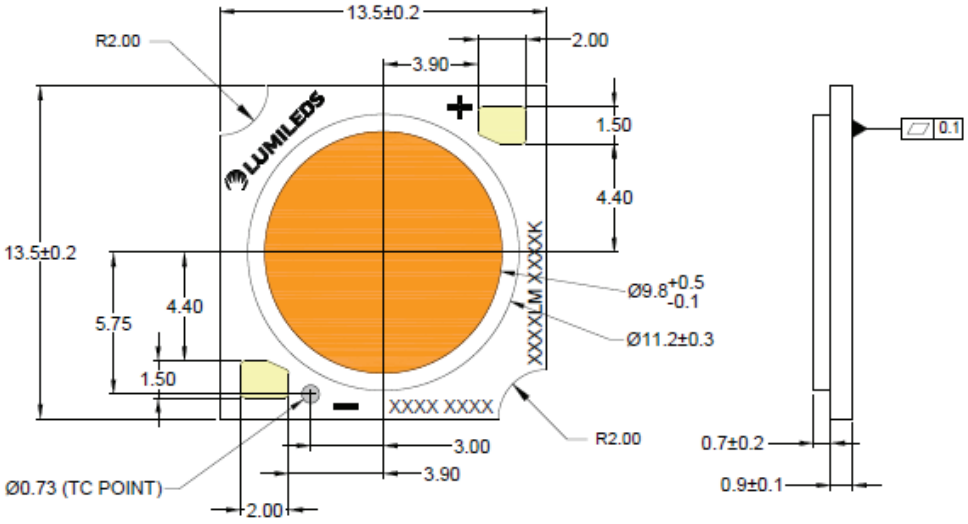

Figure 8b. Mechanical dimensions for L2C6-xxxxxL02C09xx, L2C6-xxxxxL03C09xx and L2C6-xxxxxL04C09xx

Notes for Figures 8a and 8b:
1. Drawings are not to scale.
2. All dimensions are in millimeters.
3. Dam heights: 0.7mm is applicable to L2C6-xx90xxxxxxxxx.

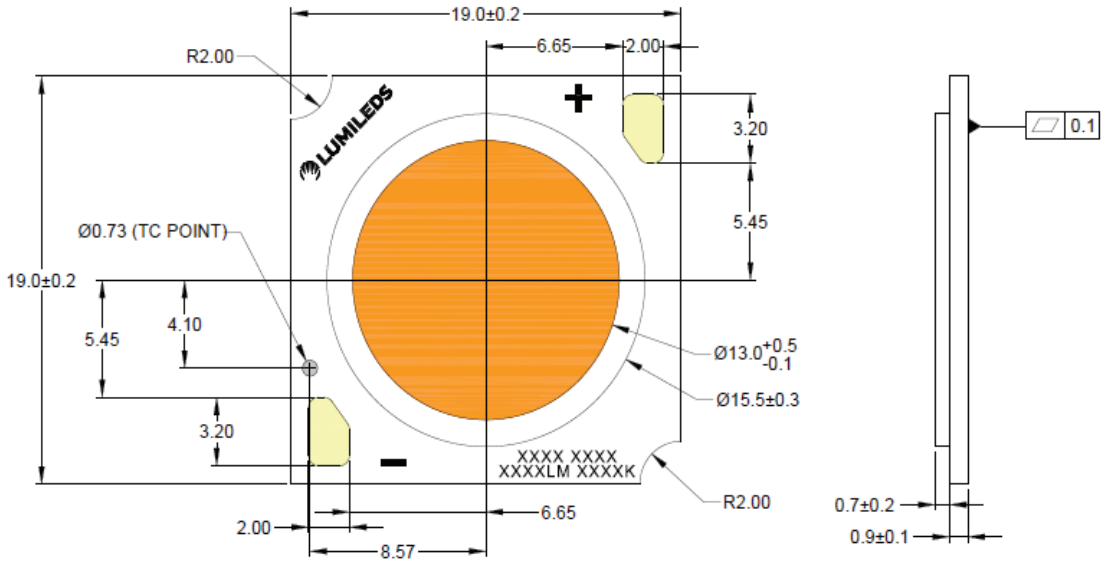

Figure 8c. Mechanical dimensions for L2C6-xxxxxL05C13xx and L2C6-xxxxxL06C13xx

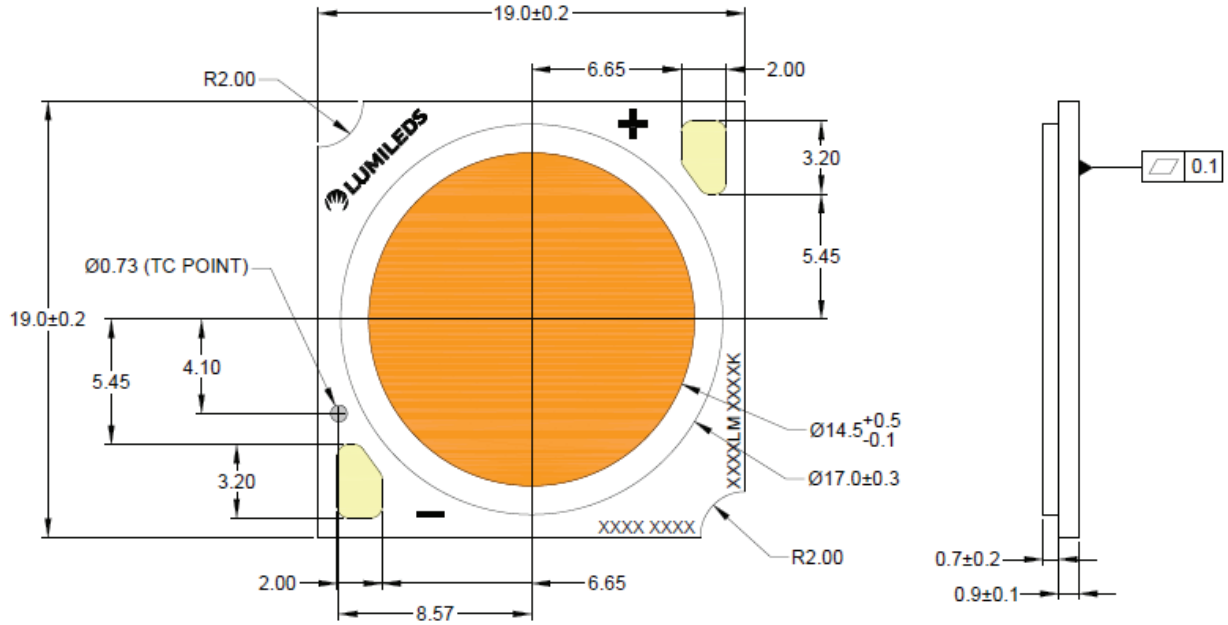

Figure 8d. Mechanical dimensions for L2C6-xxxxxL08C15xx and L2C6-xxxxxL10C15xx

Notes for Figures 8c and 8d:
1. Drawings are not to scale.
2. All dimensions are in millimeters.
3. Dam heights: 0.7mm is applicable to L2C6-xx90xxxxxxxxx.

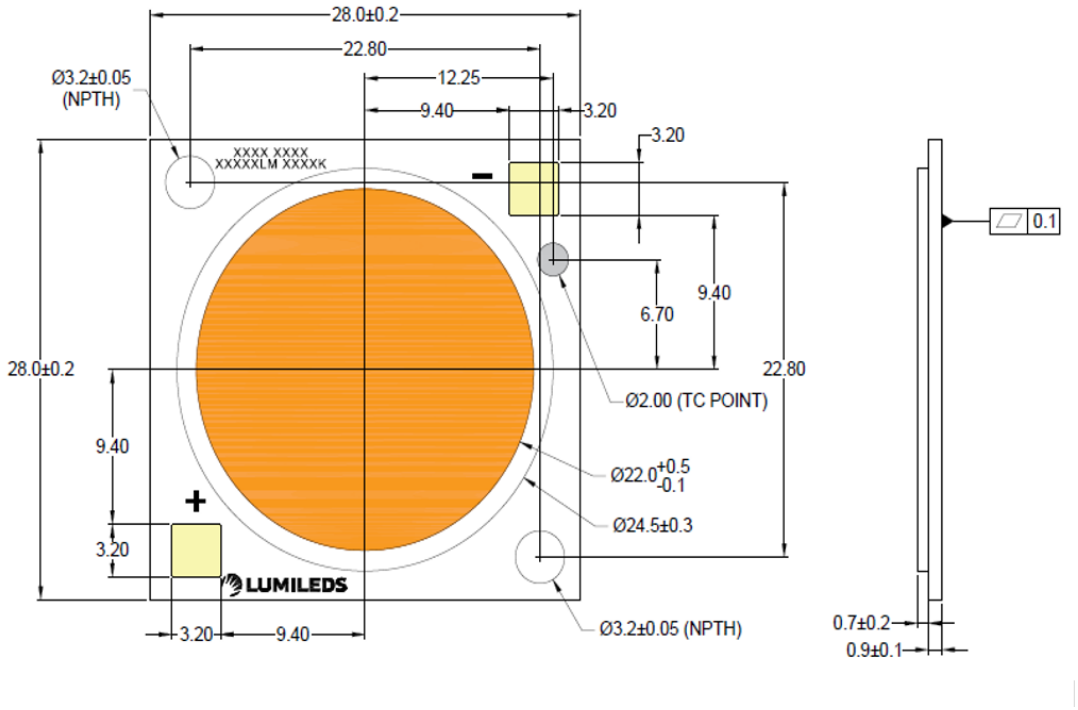

Figure 8e. Mechanical dimensions for L2C6-xxxxxL16C22xx

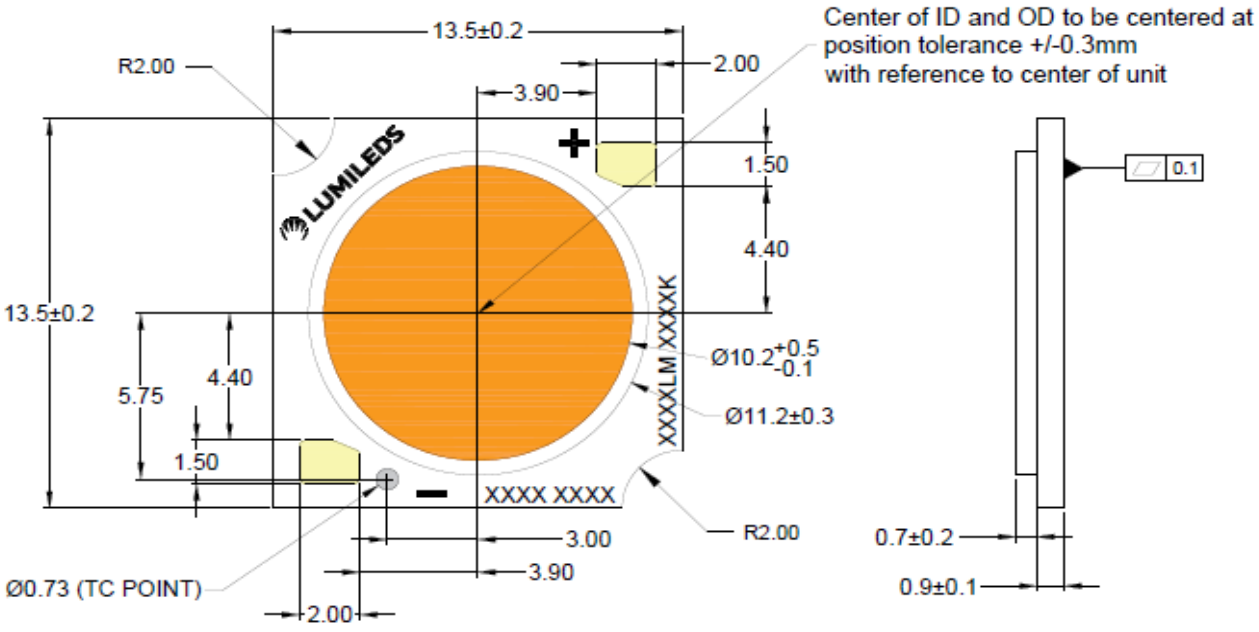

Figure 8f. Mechanical dimensions for L2C6-xxxxxL04D09xx

Notes for Figures 8e and 8f:
1. Drawings are not to scale.
2. All dimensions are in millimeters.
3. Dam heights: 0.7mm is applicable to L2C6-xx90xxxxxxxxx.

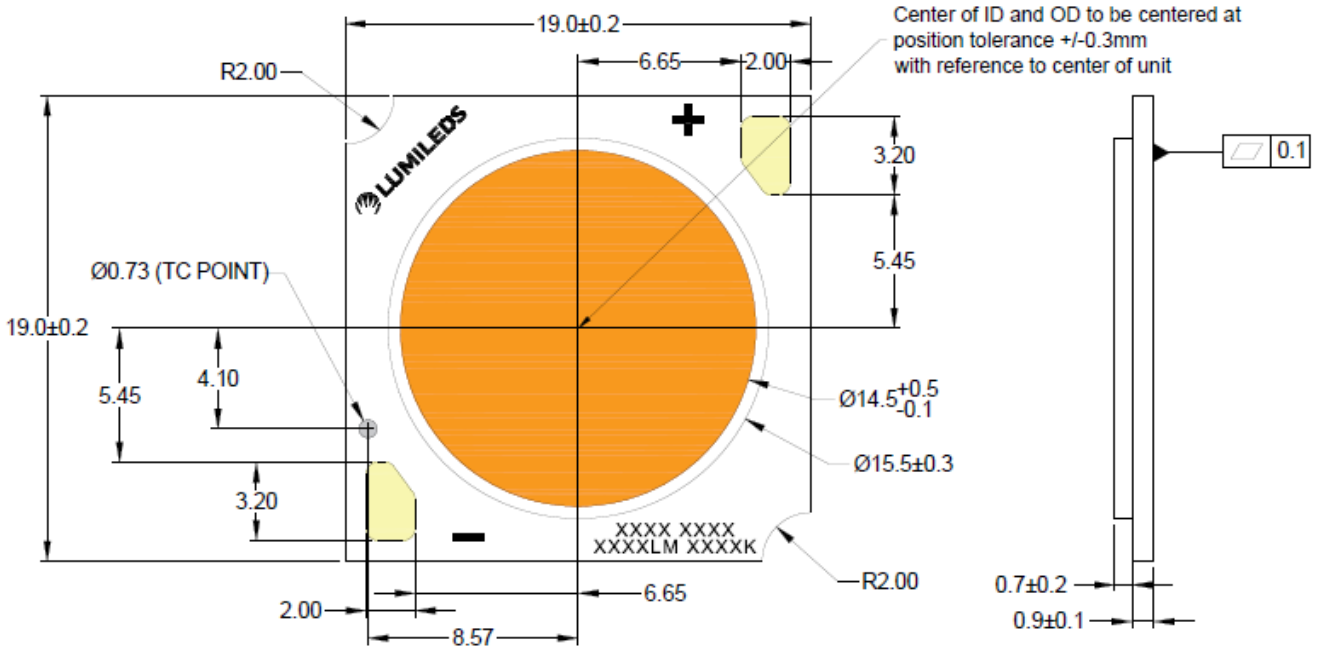

Figure 8g. Mechanical dimensions for L2C6-xxxxxL06D13xx

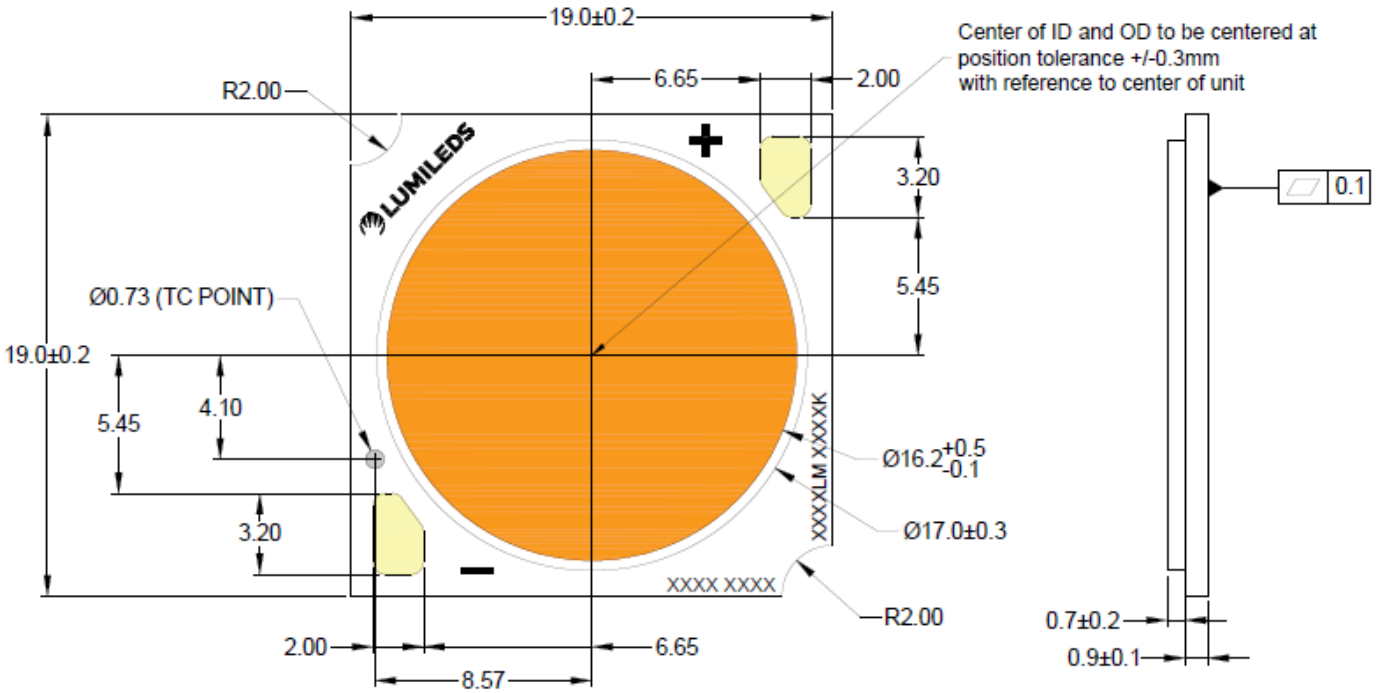

Figure 8h. Mechanical dimensions forL2C6-xxxxxL08D15xx and L2C6-xxxxxL10D15xx

Notes for Figures 8g and 8h:
1. Drawings are not to scale.
2. All dimensions are in millimeters.
3. Dam heights: 0.7mm is applicable to L2C6-xx90xxxxxxxxx.

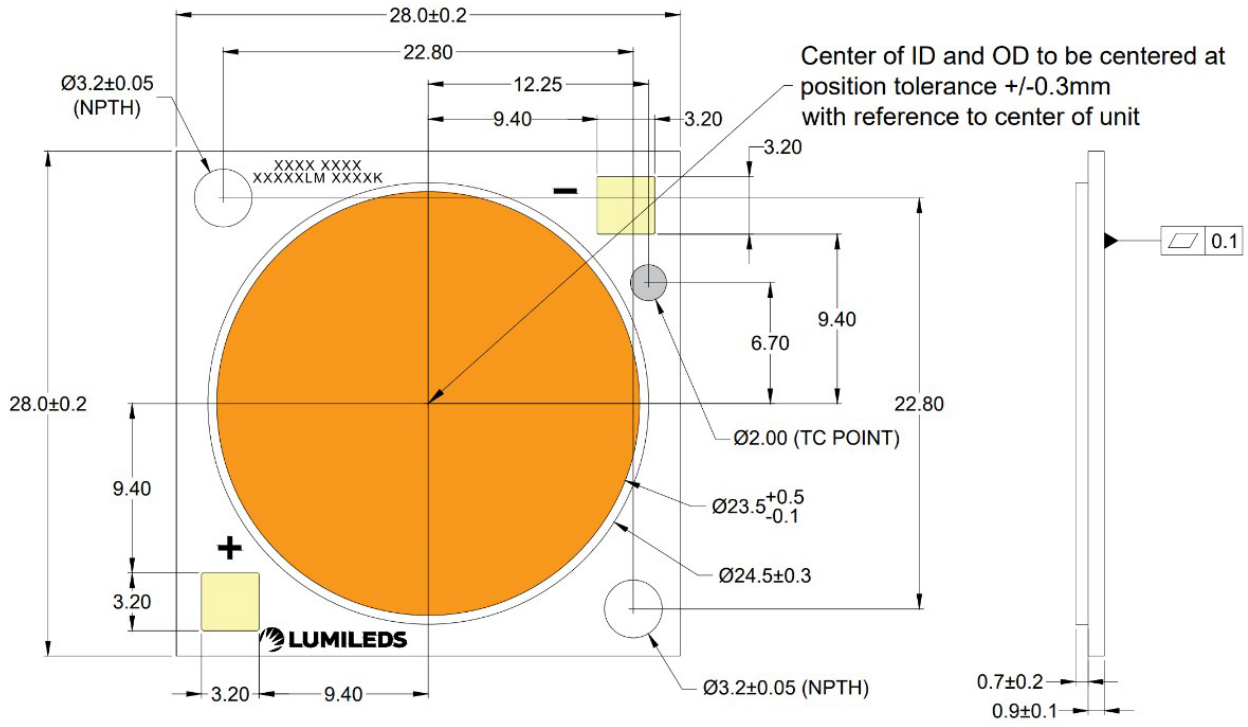

Figure 8i. Mechanical dimensions for L2C6-xxxxxL16D22xx

Notes for Figures 8i:
1. Drawings are not to scale.
2. All dimensions are in millimeters.
3. Dam heights: 0.7mm is applicable to L2C6-xx90xxxxxxxxx.

Packaging Information

LUXEON CS CoB LEDs are packaged in trays then in a carton box. Each tray contains a specified number of LEDs. The LEDs in each tray come from a single category code, ensuring they are all well-matched for light output, color, and forward voltage. Each tray contains a rubber stopper at one end. The tray label has both alphanumeric and bar code information. The carton boxes have printed information providing part numbers with CAT codes that indicate luminous flux, color and forward voltage bins.

Total Units per Tray

Table 7. Number of LEDs per tray for LUXEON CS CoB

PART NUMBER	TOTAL UNITS PER TRAY	TOTAL TRAYS PER INNER BOX	TOTAL UNITS PER INNER BOX
L2C6-xxxxxL02x0600	80	2	160
L2C6-xxxxxL02x0900	80	2	160
L2C6-xxxxxL03x0900	80	2	160
L2C6-xxxxxL04x0900	80	2	160
L2C6-xxxxxL05x1300	36	2	72
L2C6-xxxxxL06x1300	36	2	72
L2C6-xxxxxL08x1500	36	2	72
L2C6-xxxxxL10x1500	36	2	72
L2C6-xxxxxL16x22xx	30	2	60

Tray Dimensions

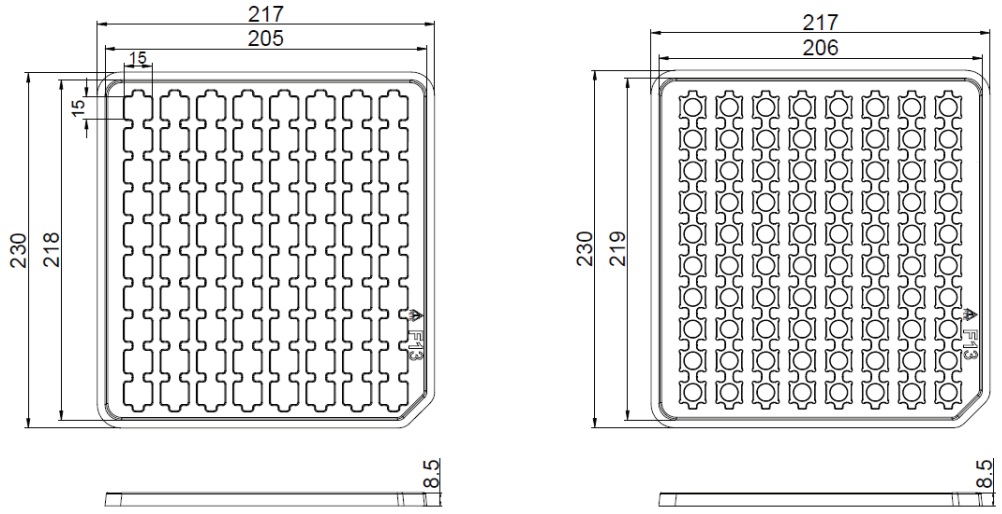

Figure 9a. Tray dimensions for L2C6-xxxxxL02x0600, L2C6-xxxxxL02x0900, L2C6-xxxxxL04x0900

Notes for Figure 9a:
1. Drawings not to scale.
2. All dimensions are in millimeters.

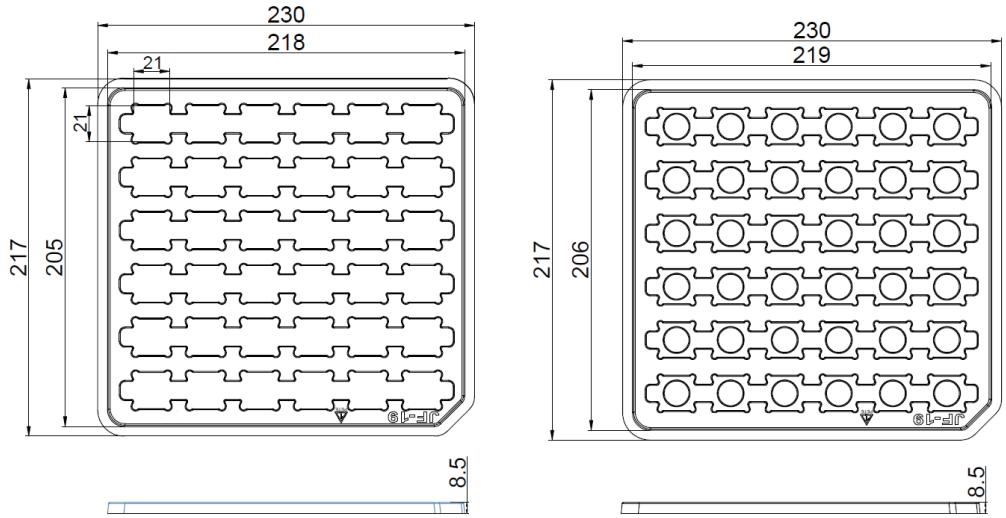

Figure 9b. Tray dimensions for L2C6-xxxxxL06x1300, L2C6-xxxxxL08x1500, L2C6-xxxxxL10x1500

Notes for Figure 9b:
1. Drawings not to scale.
2. All dimensions are in millimeters.

Inner Box

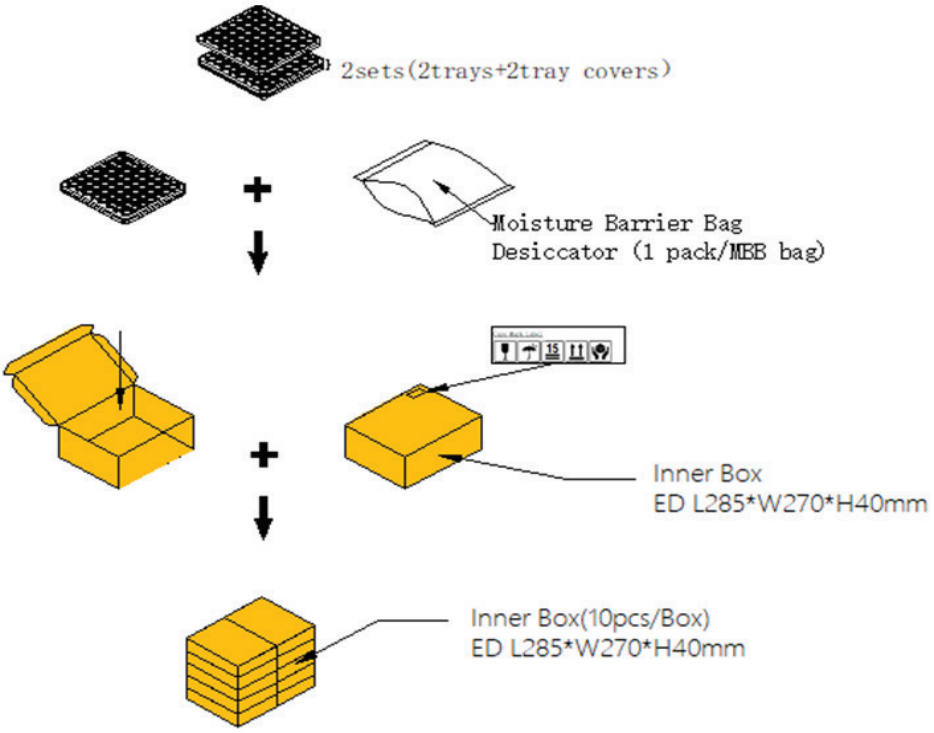

Figure 10. Dimensions for inner box and outer box packaging for LUXEON CS CoB

Table 8. Inner box information for LUXEON CS CoB

BOX TYPE	DIMENSIONS (mm)			AVERAGE WEIGHT (160pcs/box)
	H	L	W	
Inner Box	40	285	270	0.376Kg

Figure 11. Example of inner box label and tray label for LUXEON CS CoB

Notes for Figure 11 – Inner Box Label descriptions for customer use:
Field labels not described are for Lumileds internal use only.

1. Lumileds part number.
2. Number of LED emitters in a box.
3. LED test date in YYWW format.
4. Customer part number for custom requests only.
5. Unique production lot identification number. This number is required for traceability purpose.
6. Product category code.
7. EU regulatory address.

Outer Box

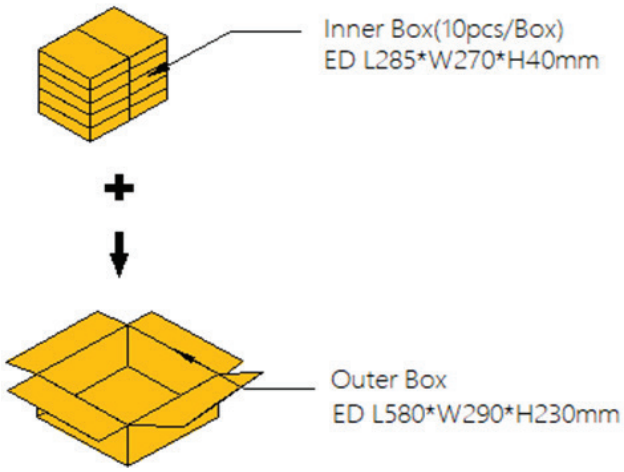

Figure 12. Dimensions for outer box packaging for LUXEON CS CoB

Table 9. Outer box information for LUXEON CS CoB

BOX TYPE	DIMENSIONS (mm)			MAXIMUM INNER BOXES PER OUTER BOX	MAXIMUM QUANTITY PER OUTER BOX	AVERAGE WEIGHT (1600pcs/box)
	H	L	W			
Outer Box	230	580	290	10	1600	4.412Kg

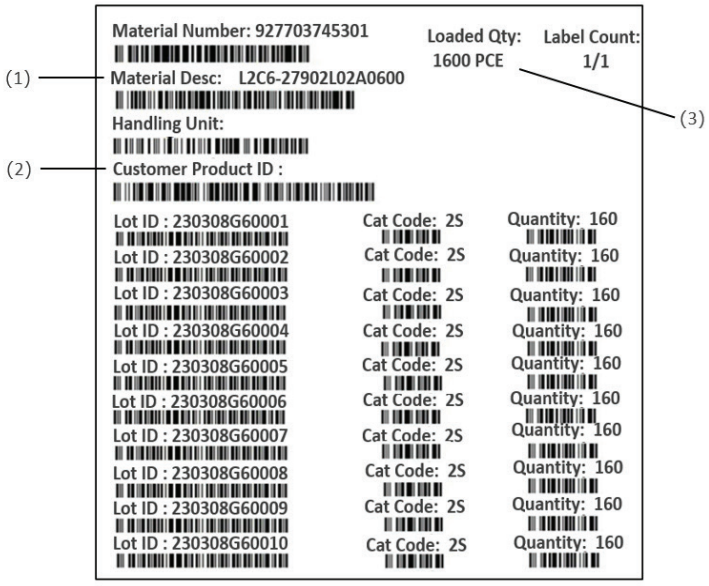

Figure 13. Example of outer box label for LUXEON CS CoB

Notes for Figure 13 – Outer Box Label descriptions for customer use:
Field labels not described are for Lumileds internal use only.
1. Lumileds part number.
2. Customer part number for custom requests only.
3. Total number of LED emitters in a shipment box.

About Lumileds

Lumileds is a global leader in LED and microLED technology, innovation, and solutions for the automotive, display, illumination, mobile, and other markets where light sources are essential. Our approximately 3,500 employees operate in over 15 countries and partner with our customers to deliver never before possible solutions for lighting, safety, and well-being.

To learn more about our lighting solutions, visit lumileds.com.

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