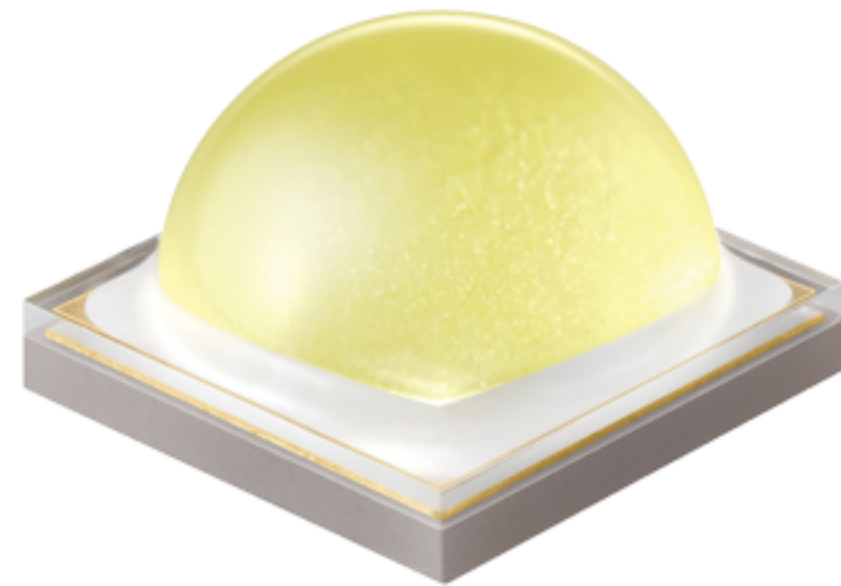




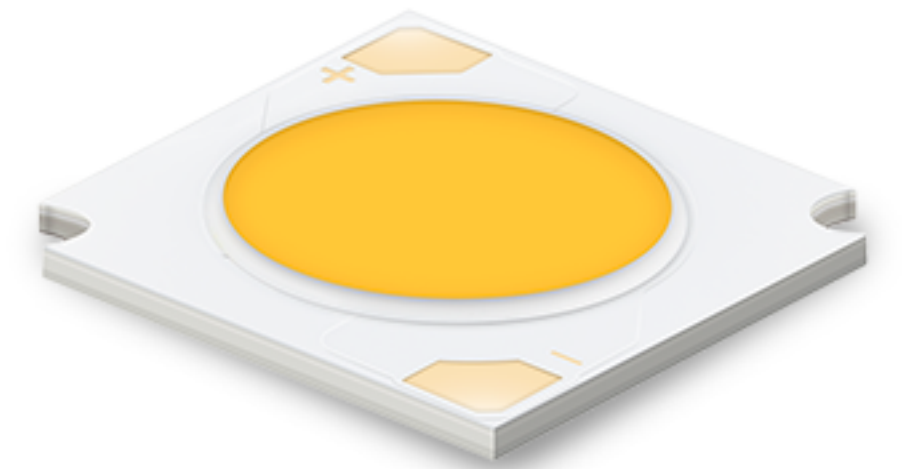
**Middle
Power**
LEDs



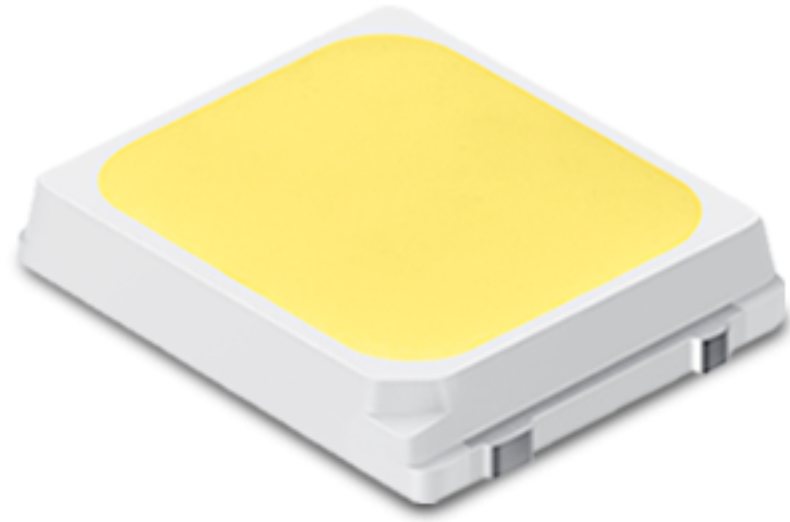
**High
Power**
LEDs



CSP
LEDs



COB
LEDs



2835

Highly Cost-Effective
Universal Mid Power LEDs

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3030

Top Performance
in Mid Power LEDs

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5630

Guaranteed Performance
from the Original Creator

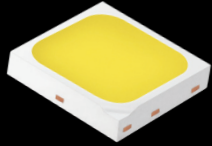
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(Typ.)

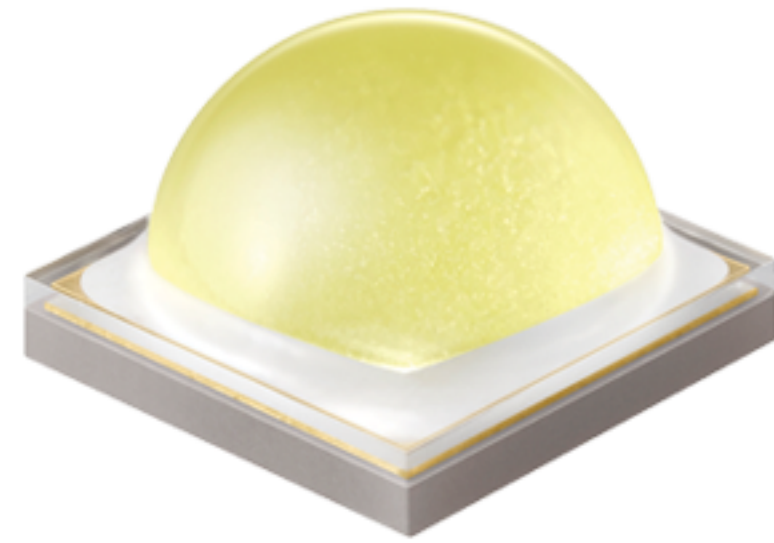
		Wattage (W)	Forward Voltage (V)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Condition
LM281BA+		0.2	3.0	29.5	164	5000K, 60 mA, 25°C
LM281B+ Pro		0.5	2.7	37.5	213	5000K, 65 mA, 25°C
LM281B+		0.5	2.75	36.5	204	5000K, 65 mA, 25°C
LM282B+		0.9	6.2	126	135	2700K, 150 mA, 25°C
LM283B+		0.9	9.1	127	139	2700K, 100 mA, 25°C
LM284B+		0.9	12.0	125	139	2700K, 75 mA, 25°C
LM286B+		0.9	18.0	131	145	2700K, 50 mA, 25°C

(Typ.)

		Wattage (W)	Forward Voltage (V)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Condition
LM301B EVO		0.2	2.69	39.8	228	4000K, 65mA, 25°C
LM301B		0.2	2.73	39	220	4000K, 65mA, 25°C
LM301D		0.2	2.69	36.2	207	4000K, 65mA, 25°C
LM302D		0.9	6.1	152	166	4000K, 150mA, 25°C
LM301Z+		0.2	2.73	35	197	4000K, 65mA, 25°C
LM302Z+		0.9	6.15	144	156	4000K, 150mA, 25°C

(Typ.)

		Wattage (W)	Forward Voltage (V)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Condition
LM561B+		0.2	2.9	36	192	5000K, 65mA, 25°C
LM561C		0.2	2.8	38	210	5000K, 65mA, 25°C



3535

Stress-Free Upgrades
with Flexible Designs

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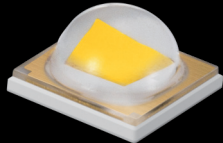
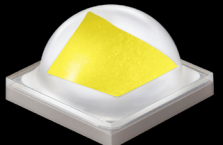
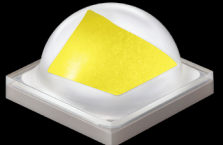
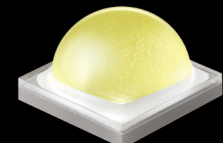
5050

Intense yet Economical

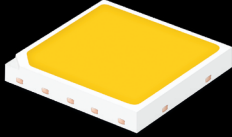
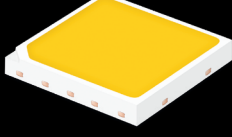
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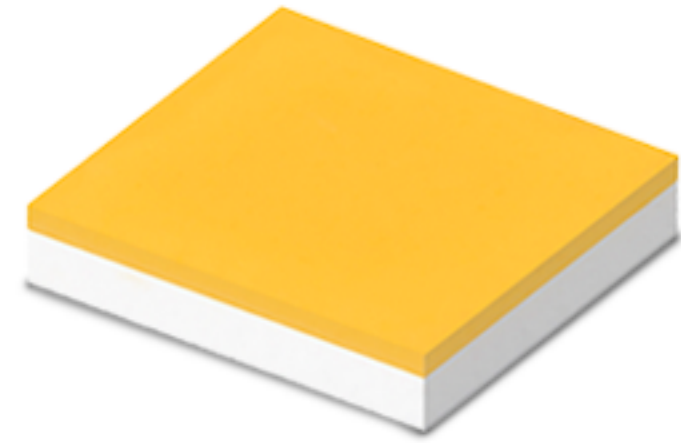


(Typ.)

		Wattage (W)	Forward Voltage (V)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Condition
LH351B		0.95	2.7	180	189	4000K, 350mA, 85°C
LH351C		1.96	2.8	357	182	4000K, 700mA, 85°C
LH351C+		1.96	2.8	370	191	4000K, 700mA, 85°C
LH351D		3.01	2.87	515	171	4000K, 1050mA, 85°C

(Typ.)

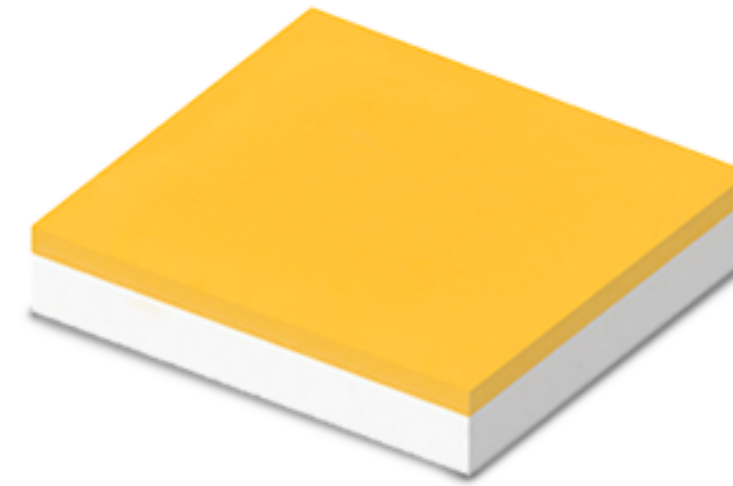
		Wattage (W)	Forward Voltage (V)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Condition
LH502C		3.9	6.1	700	179	4000K, 640mA, 25°C
LH502C ECO		3.9	6.1	700	179	4000K, 640mA, 25°C
LH502D		3.9	6.08	720	185	4000K, 640mA, 25°C
LH508C		3.9	24.4	700	179	4000K, 160mA, 25°C



Middle Power CSP

Qualified for Mainstream
Market Offering Exceptional
Satisfaction

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High Power CSP

Assertive Outdoor Lighting
with Economic Benefits

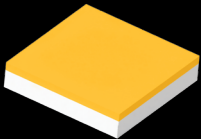
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(Typ.)

		Wattage (W)	Forward Voltage (V)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Condition
LM101B		0.4	2.83	74	174	4000K, 150mA, 85°C

(Typ.)

		Wattage (W)	Forward Voltage (V)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Condition
LH151B		1.0	2.8	161	164	4000K, 350mA, 85°C
LH181B		1.0	2.74	181	189	4000K, 350mA, 85°C
LH231B		2.0	2.8	350	179	4000K, 700mA, 85°C



D-series

Flawless Lighting,
Anywhere

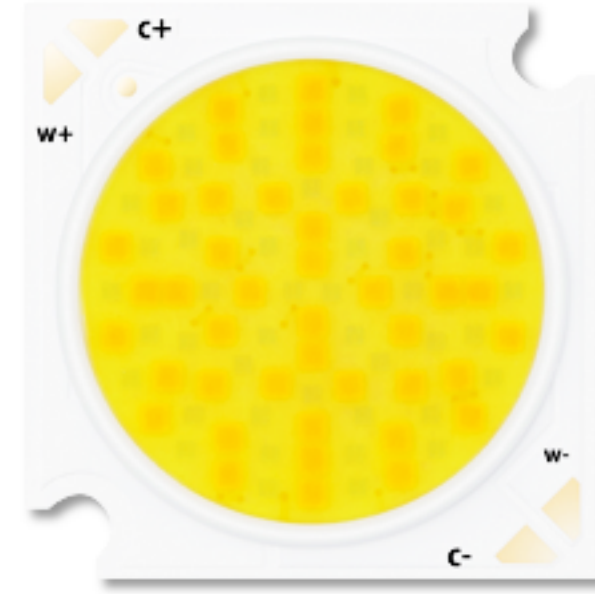
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R-series

Enriched Colors
for Displaying

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T-series

Perfect Ambience
Created by Light

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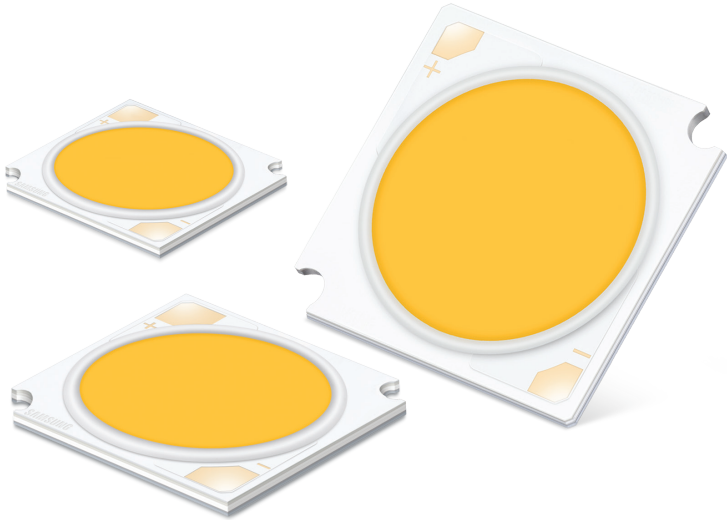


C-series

Make Your
Business Shine

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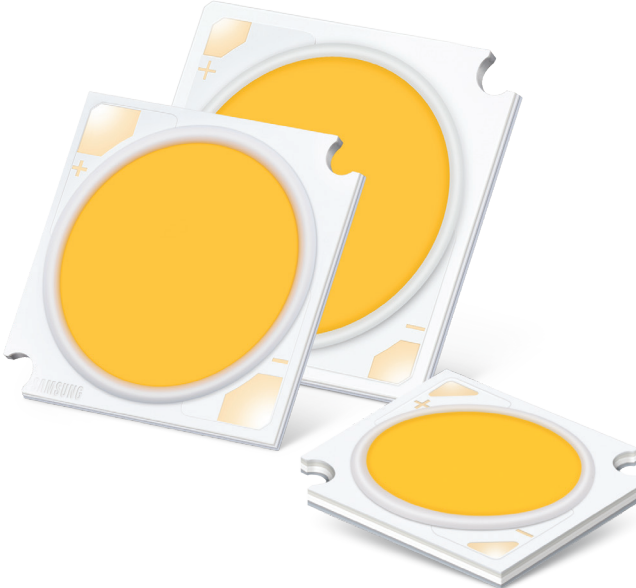
Gen 4

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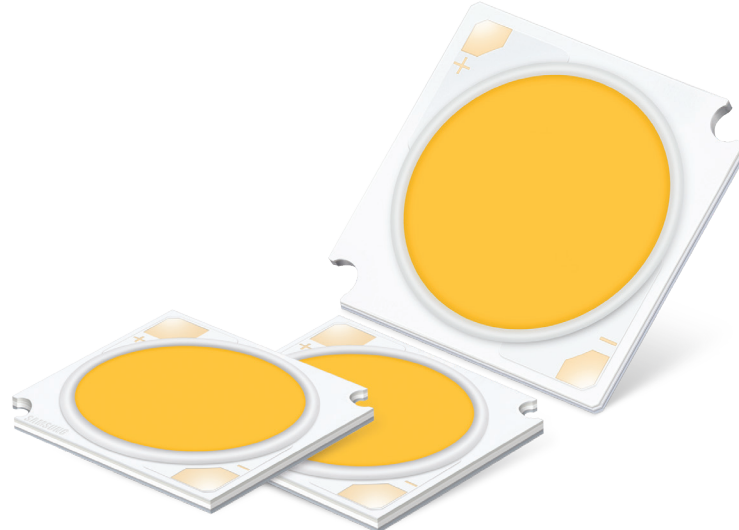
Gen 3

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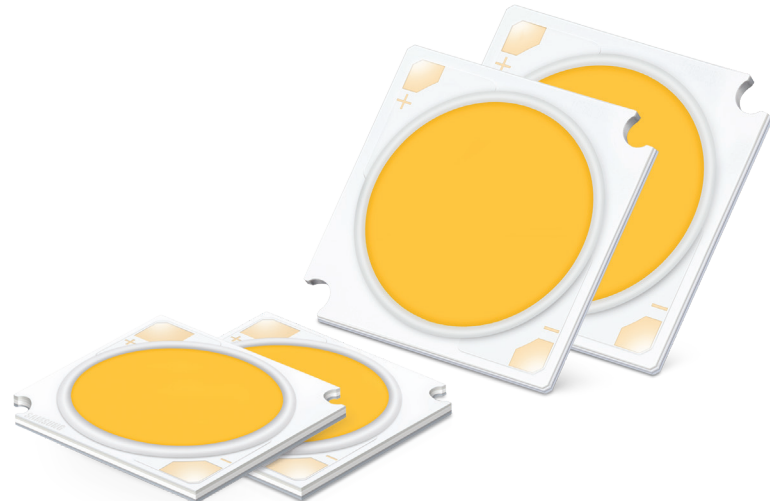
Gen 3+

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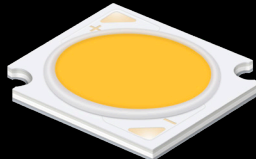
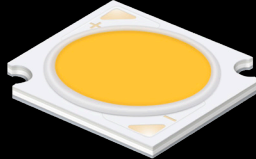
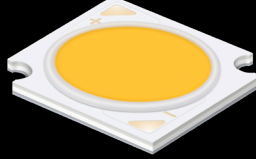
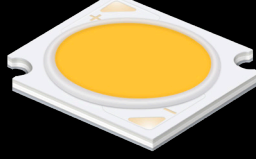
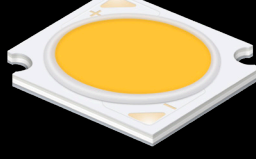
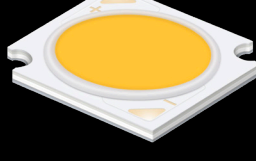
Gen 2

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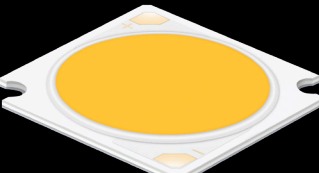


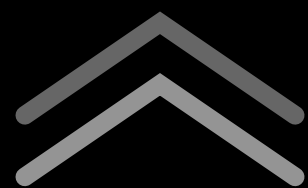
Gen 2+

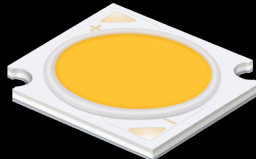
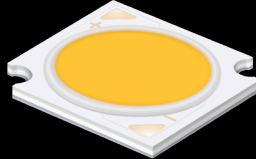
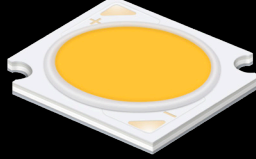
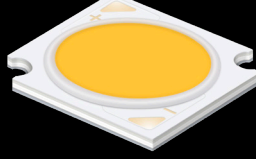
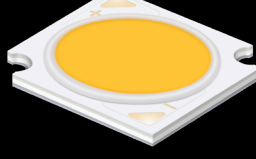
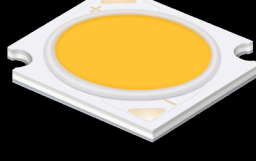
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(Typ.)								
		Wattage (W)	Forward Voltage (V)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Condition	Size (mm)	LES (mm)
LC003D		3.0	33.6	508	168	90mA, 85°C, 3000K, CRI 80+	13.5 x 13.5	9.8
LC006D		6.0	33.6	1018	168	180mA, 85°C, 3000K, CRI 80+	13.5 x 13.5	9.8
LC009D		9.1	33.6	1499	165	270mA, 85°C, 3000K, CRI 80+	13.5 x 13.5	9.8
LC013D		12.1	33.6	1972	163	360mA, 85°C, 3000K, CRI 80+	13.5 x 13.5	9.8
LC016D		15.1	33.6	2552	169	450mA, 85°C, 3000K, CRI 80+	19.0 x 19.0	14.5
LC019D		18.1	33.6	3061	169	540mA, 85°C, 3000K, CRI 80+	19.0 x 19.0	14.5

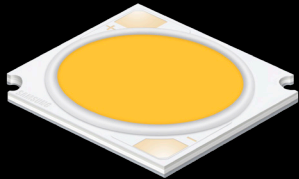
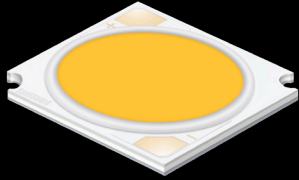
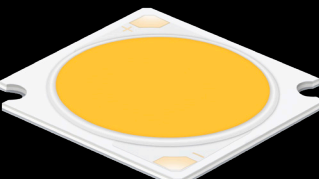
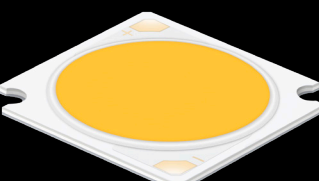


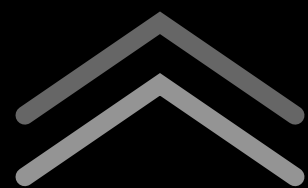
(Typ.)								
		Wattage (W)	Forward Voltage (V)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Condition	Size (mm)	LES (mm)
LC026D		24.1	33.6	4105	170	720mA, 85°C, 3000K, CRI 80+	19.0 x 19.0	14.5
LC033D		30.1	33.6	5044	167	900mA, 85°C, 3000K, CRI 80+	19.0 x 19.0	14.5
LC040D		36.3	33.6	6122	169	1080mA, 85°C, 3000K, CRI 80+	28.0 x 28.0	22.0
LC060D		54.5	50.5	9234	169	1080mA, 85°C, 3000K, CRI 80+	28.0 x 28.0	22.0
LC080D		81.8	50.5	13392	164	1620mA, 85°C, 3000K, CRI 80+	28.0 x 28.0	22.0

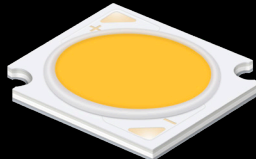
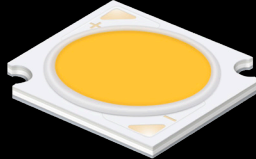
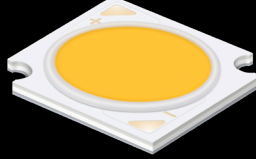
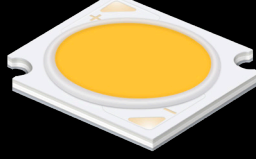
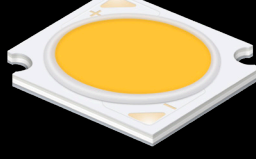
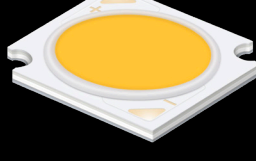


(Typ.)								
		Wattage (W)	Forward Voltage (V)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Condition	Size (mm)	LES (mm)
LC003D		3.0	33.8	499	164	90mA, 85°C, 3000K, CRI80+	13.5 x 13.5	9.8
LC006D		6.1	33.8	994	163	180mA, 85°C, 3000K, CRI80+	13.5 x 13.5	9.8
LC009D		9.1	33.8	1476	162	270mA, 85°C, 3000K, CRI80+	13.5 x 13.5	9.8
LC013D		12.2	33.8	1939	159	360mA, 85°C, 3000K, CRI80+	13.5 x 13.5	9.8
LC016D		15.2	33.8	2497	164	450mA, 85°C, 3000K, CRI80+	19.0 x 19.0	14.5
LC019D		18.3	33.8	2982	163	540mA, 85°C, 3000K, CRI80+	19.0x19.0	14.5

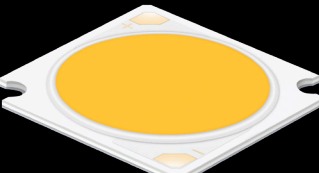


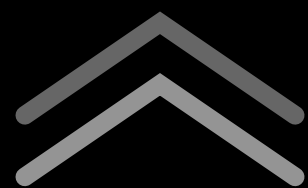
(Typ.)								
		Wattage (W)	Forward Voltage (V)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Condition	Size (mm)	LES (mm)
LC026D		24.3	33.8	3917	161	720mA, 85°C, 3000K, CRI80+	19.0 x 19.0	14.5
LC033D		30.4	33.8	4847	159	900mA, 85°C, 3000K, CRI80+	19.0 x 19.0	14.5
LC040D		36.5	33.8	5963	163	1080mA, 85°C, 3000K, CRI80+	28.0 x 28.0	22.0
LC060D		54.8	50.7	8813	161	1080mA, 85°C, 3000K, CRI80+	28.0 x 28.0	22.0
LC080D		82.1	50.7	13069	159	1620mA, 85°C, 3000K, CRI80+	28.0 x 28.0	22.0

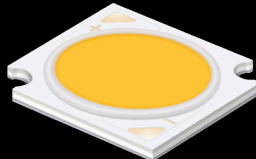
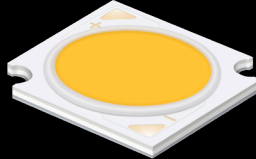
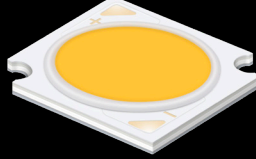
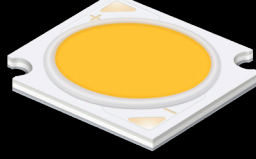
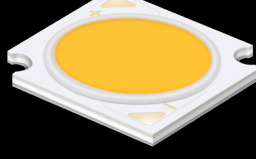
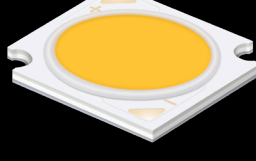


(Typ.)								
		Wattage (W)	Forward Voltage (V)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Condition	Size (mm)	LES (mm)
LC003D		3.0	33.7	498	164	90mA, 85°C, 3000K, CRI80+	13.5 x 13.5	9.8
LC006D		6.1	33.7	983	162	180mA, 85°C, 3000K, CRI80+	13.5 x 13.5	9.8
LC009D		9.1	33.7	1463	161	270mA, 85°C, 3000K, CRI80+	13.5 x 13.5	9.8
LC013D		12.1	33.7	1945	160	360mA, 85°C, 3000K, CRI80+	13.5 x 13.5	9.8
LC016D		15.2	33.7	2524	166	450mA, 85°C, 3000K, CRI80+	19.0 x 19.0	14.5
LC019D		18.2	33.7	3044	167	540mA, 85°C, 3000K, CRI80+	19.0 x 19.0	14.5

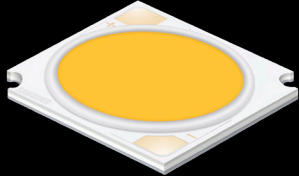
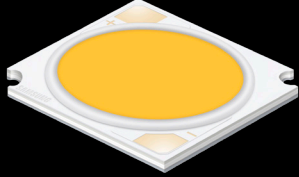


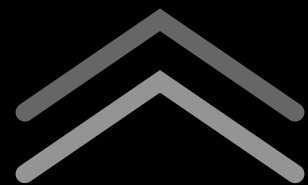
(Typ.)								
		Wattage (W)	Forward Voltage (V)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Condition	Size (mm)	LES (mm)
LC026D		24.3	33.7	3971	164	720mA, 85°C, 3000K, CRI80+	19.0 x 19.0	14.5
LC033D		30.3	33.7	4875	161	900mA, 85°C, 3000K, CRI80+	19.0 x 19.0	14.5
LC040D		36.4	33.7	5968	164	1080mA, 85°C, 3000K, CRI80+	28.0 x 28.0	22.0
LC060D		54.6	50.6	8882	163	1080mA, 85°C, 3000K, CRI80+	28.0 x 28.0	22.0
LC080D		82.0	50.6	12990	158	1620mA, 85°C, 3000K, CRI80+	28.0 x 28.0	22.0

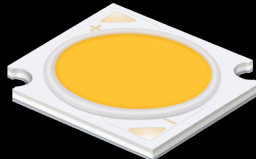
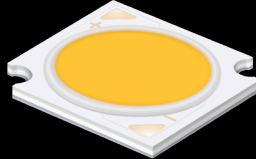
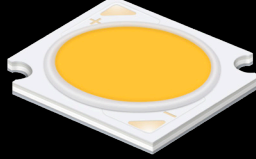
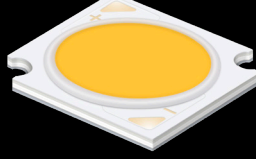
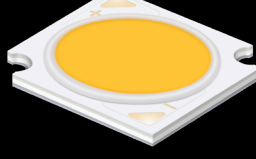
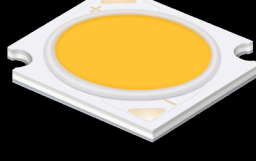


(Typ.)								
		Wattage (W)	Forward Voltage (V)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Condition	Size (mm)	LES (mm)
LC003D		3.1	34.6	483	155	90mA, 85°C, 3000K, CRI80+	13.5 x 13.5	9.8
LC006D		6.2	34.6	971	156	180mA, 85°C, 3000K, CRI80+	13.5 x 13.5	9.8
LC009D		9.4	34.6	1418	152	270mA, 85°C, 3000K, CRI80+	13.5 x 13.5	9.8
LC013D		12.5	34.6	1857	149	360mA, 85°C, 3000K, CRI80+	13.5 x 13.5	9.8
LC016D		15.6	34.6	2423	156	450mA, 85°C, 3000K, CRI80+	19.0 x 19.0	14.5
LC019D		18.7	34.6	2877	154	540mA, 85°C, 3000K, CRI80+	19.0 x 19.0	14.5

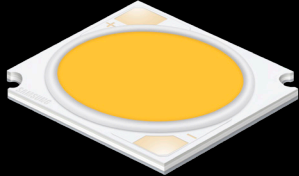
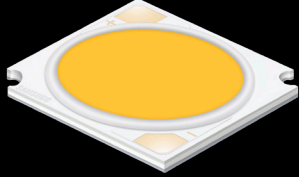


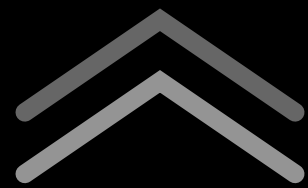
(Typ.)								
		Wattage (W)	Forward Voltage (V)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Condition	Size (mm)	LES (mm)
LC026D		24.9	34.6	3762	151	720mA, 85°C, 3000K, CRI80+	19.0 x 19.0	14.5
LC033D		31.1	34.6	4643	149	900mA, 85°C, 3000K, CRI80+	19.0 x 19.0	14.5
LC040D		37.4	34.6	5837	156	1080mA, 85°C, 3000K, CRI80+	28.0 x 28.0	22.0
LC060D		56.1	52.0	8542	152	1080mA, 85°C, 3000K, CRI80+	28.0 x 28.0	22.0
LC080D		84.2	52.0	12468	148	1620mA, 85°C, 3000K, CRI80+	28.0 x 28.0	22.0



(Typ.)								
		Wattage (W)	Forward Voltage (V)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Condition	Size (mm)	LES (mm)
LC003D		3.1	34.0	485	158	90mA, 85°C, 3000K, CRI80+	13.5 x 13.5	9.8
LC006D		6.1	34.0	971	159	180mA, 85°C, 3000K, CRI80+	13.5 x 13.5	9.8
LC009D		9.2	34.0	1425	155	270mA, 85°C, 3000K, CRI80+	13.5 x 13.5	9.8
LC013D		12.2	34.0	1857	152	360mA, 85°C, 3000K, CRI80+	13.5 x 13.5	9.8
LC016D		15.3	34.0	2399	157	450mA, 85°C, 3000K, CRI80+	19.0 x 19.0	14.5
LC019D		18.4	34.0	2877	157	540mA, 85°C, 3000K, CRI80+	19.0 x 19.0	14.5



(Typ.)								
		Wattage (W)	Forward Voltage (V)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Condition	Size (mm)	LES (mm)
LC026D		24.5	34.0	3762	154	720mA, 85°C, 3000K, CRI80+	19.0 x 19.0	14.5
LC033D		30.6	34.0	4643	152	900mA, 85°C, 3000K, CRI80+	19.0 x 19.0	14.5
LC040D		36.7	34.0	5837	159	1080mA, 85°C, 3000K, CRI80+	28.0 x 28.0	22.0
LC060D		55.2	51.1	8499	154	1080mA, 85°C, 3000K, CRI80+	28.0 x 28.0	22.0
LC080D		82.8	51.1	12468	151	1620mA, 85°C, 3000K, CRI80+	28.0 x 28.0	22.0



Fashion Vivid White



Emphasizing whiteness
by adjusting color point below
blackbody locus

LEARN MORE

Fashion Vivid Color



Enhanced whiteness and vividness
by diminishing of yellowish

LEARN MORE

Meat



Enhanced whiteness and
reddish color by using longer
650nm red phosphors

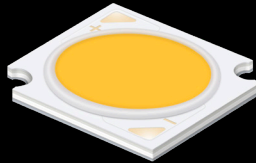
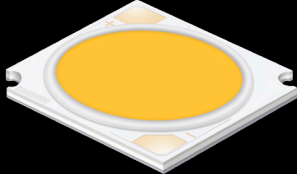
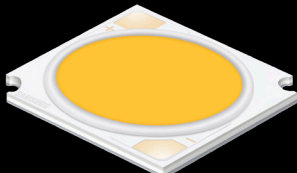
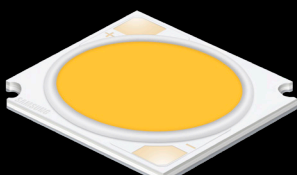
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Vegetable

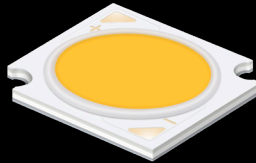
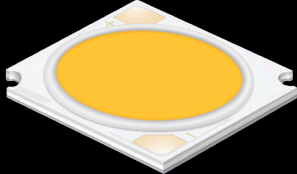
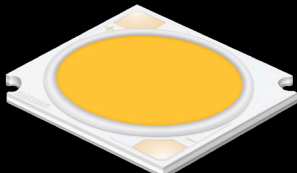
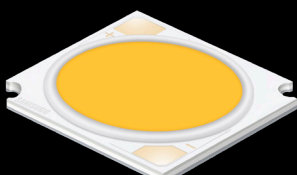


Fresh greenish color based on
preference survey of 300 persons

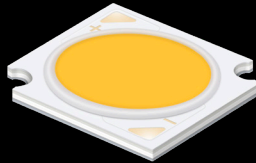
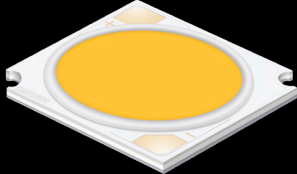
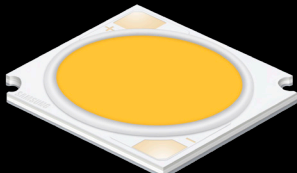
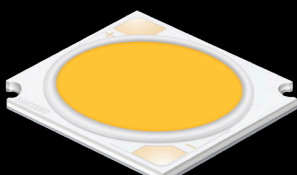
LEARN MORE

(Typ.)								
		Wattage (W)	Forward Voltage (V)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Condition	Size (mm)	LES (mm)
LC013R Fashion Vivid White		12.5	34.6	1435	115	360mA, 85°C, 3000K, CRI90+	13.5 x 13.5	9.8
LC016R Fashion Vivid White		15.6	34.6	1837	118	450mA, 85°C, 3000K, CRI90+	19.0 x 19.0	14.5
LC019R Fashion Vivid White		18.7	34.6	2195	117	540mA, 85°C, 3000K, CRI90+	19.0 x 19.0	14.5
LC026R Fashion Vivid White		24.9	34.6	2917	117	720mA, 85°C, 3000K, CRI90+	19.0 x 19.0	14.5
LC033R Fashion Vivid White		31.1	34.6	3589	115	900mA, 85°C, 3000K, CRI90+	19.0 x 19.0	14.5
LC040R Fashion Vivid White		37.4	34.6	4428	118	1080mA, 85°C, 3000K, CRI90+	28.0 x 28.0	22.0

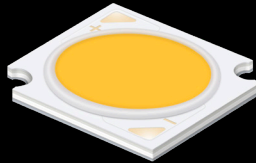
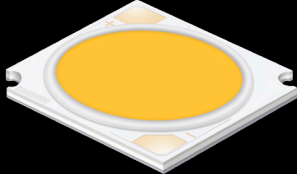
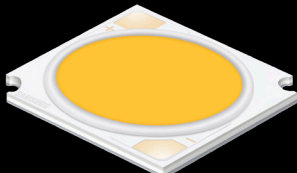
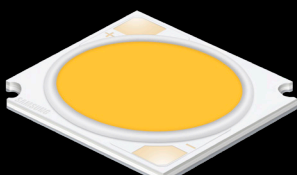


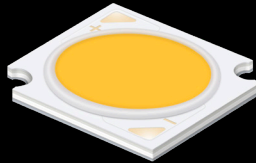
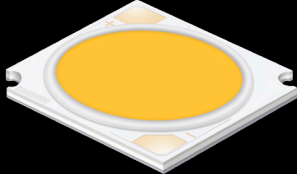
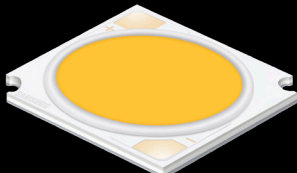
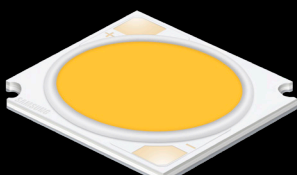
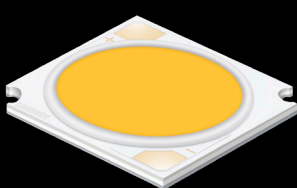
(Typ.)								
		Wattage (W)	Forward Voltage (V)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Condition	Size (mm)	LES (mm)
LC013R Fashion Vivid White		12.5	34.0	1511	123	360mA, 85°C, 3000K, CRI90+	13.5 x 13.5	9.8
LC016R Fashion Vivid White		15.6	34.0	1934	126	450mA, 85°C, 3000K, CRI90+	19.0 x 19.0	14.5
LC019R Fashion Vivid White		18.7	34.0	2310	126	540mA, 85°C, 3000K, CRI90+	19.0 x 19.0	14.5
LC026R Fashion Vivid White		24.9	34.0	3071	125	720mA, 85°C, 3000K, CRI90+	19.0 x 19.0	14.5
LC033R Fashion Vivid White		31.1	34.0	3778	123	900mA, 85°C, 3000K, CRI90+	19.0 x 19.0	14.5
LC040R Fashion Vivid White		37.4	34.0	4590	125	1080mA, 85°C, 3000K, CRI90+	28.0 x 28.0	22.0

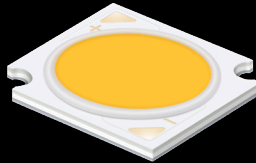
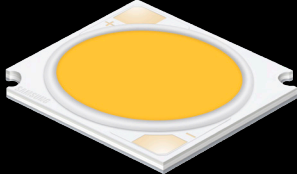
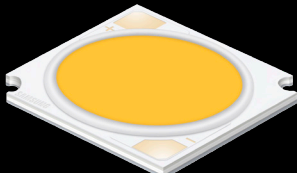
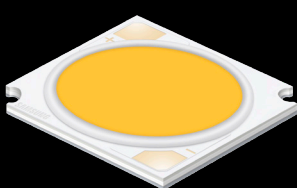


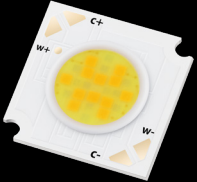
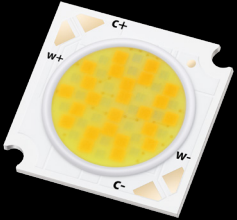
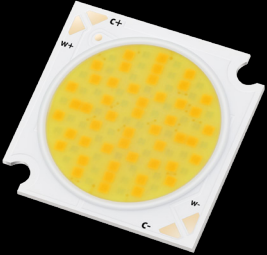
(Typ.)								
		Wattage (W)	Forward Voltage (V)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Condition	Size (mm)	LES (mm)
LC013R Fashion Vivid White		12.5	33.7	1541	127	360mA, 85°C, 3000K, CRI90+	13.5 x 13.5	9.8
LC016R Fashion Vivid White		15.6	33.7	1973	130	450mA, 85°C, 3000K, CRI90+	19.0 x 19.0	14.5
LC019R Fashion Vivid White		18.7	33.7	2356	129	540mA, 85°C, 3000K, CRI90+	19.0 x 19.0	14.5
LC026R Fashion Vivid White		24.9	33.7	3132	129	720mA, 85°C, 3000K, CRI90+	19.0 x 19.0	14.5
LC033R Fashion Vivid White		31.1	33.7	3800	125	900mA, 85°C, 3000K, CRI90+	19.0 x 19.0	14.5
LC040R Fashion Vivid White		37.4	33.7	4755	131	1080mA, 85°C, 3000K, CRI90+	28.0 x 28.0	22.0

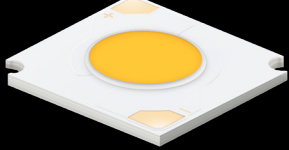
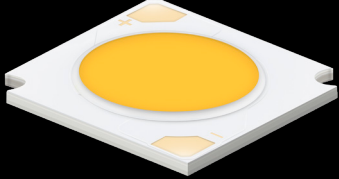
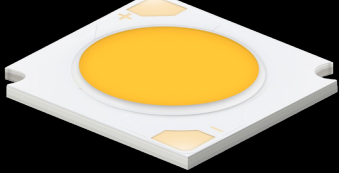


(Typ.)								
		Wattage (W)	Forward Voltage (V)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Condition	Size (mm)	LES (mm)
LC013R Fashion Vivid Color		12.5	34.6	1334	107	360mA, 85°C, 3000K	13.5 x 13.5	9.8
LC016R Fashion Vivid Color		15.6	34.6	1745	112	450mA, 85°C, 3000K	19.0 x 19.0	14.5
LC019R Fashion Vivid Color		18.7	34.6	2068	111	540mA, 85°C, 3000K	19.0 x 19.0	14.5
LC026R Fashion Vivid Color		24.9	34.6	2706	109	720mA, 85°C, 3000K	19.0 x 19.0	14.5
LC033R Fashion Vivid Color		31.1	34.6	3339	107	900mA, 85°C, 3000K	19.0 x 19.0	14.5
LC040R Fashion Vivid Color		37.4	34.6	4150	111	1080mA, 85°C, 3000K	28.0 x 28.0	22.0

									(Typ.)
		Wattage (W)	Forward Voltage (V)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Condition	Size (mm)	LES (mm)	
LC013R Meat		12.5	34.6	914	73	360mA, 85°C	13.5 x 13.5	9.8	
LC016R Meat		15.6	34.6	1188	76	450mA, 85°C	19.0 x 19.0	14.5	
LC019R Meat		18.7	34.6	1412	76	540mA, 85°C	19.0 x 19.0	14.5	
LC026R Meat		24.9	34.6	1845	74	720mA, 85°C	19.0 x 19.0	14.5	
LC033R Meat		31.1	34.6	2284	73	900mA, 85°C	19.0 x 19.0	14.5	

									(Typ.)
		Wattage (W)	Forward Voltage (V)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Condition	Size (mm)	LES (mm)	
LC013R Vegetable		12.5	34.6	1188	95	360mA, 85°C	13.5 x 13.5	9.8	
LC016R Vegetable		15.6	34.6	1544	99	450mA, 85°C	19.0 x 19.0	14.5	
LC019R Vegetable		18.7	34.6	1835	98	540mA, 85°C	19.0 x 19.0	14.5	
LC026R Vegetable		24.9	34.6	2399	96	720mA, 85°C	19.0 x 19.0	14.5	
LC033R Vegetable		31.1	34.6	2969	95	900mA, 85°C	19.0 x 19.0	14.5	

(Typ.)								
		Wattage (W)	Forward Voltage (V)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Condition	Size (mm)	LES (mm)
LC010T		9.8	35.0	1352	136	280mA, 85°C, 6500K, CRI80+	19.0 x 19.0	9.8
LC020T		19.6	35.0	2676	135	560mA, 85°C, 6500K, CRI80+	19.0 x 19.0	13.0
LC035T		34.3	35.0	5006	144	980mA, 85°C, 6500K, CRI80+	28.0 x 28.0	22.0

(Typ.)								
		Wattage (W)	Forward Voltage (V)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Condition	Size (mm)	LES (mm)
LC010C Gen 2		10.5	35.0	1274	121	300mA, 85°C, 3000K, CRI80+	13.5 x 13.5	6.0
LC020C Gen 2		21.0	35.0	2625	125	600mA, 85°C, 3000K, CRI80+	19.0 x 19.0	8.5
LC030C Gen 2		31.5	35.0	3956	126	900mA, 85°C, 3000K, CRI80+	19.0 x 19.0	11.5
LC040C Gen 2		36.8	35.0	4524	123	1050mA, 85°C, 3000K, CRI80+	19.0 x 19.0	11.5