



LUXEON 3535L Line

High efficacy in a 3535 package with full range of CCTs and CRIs

The LUXEON 3535L Line boasts the efficacy and reliability required by the indoor and outdoor illumination markets. It delivers optimized performance in combination with the Quality of Light needed for distributed light source applications in three performance levels.



In addition to offering specified correlated color temperature and color rendering combinations, LUXEON 3535L Line is available in three products:

- | | |
|----------------------|----------------------------------|
| LUXEON 3535L | – Entry Flux and Efficacy |
| LUXEON 3535L HE | – Medium Flux and Efficacy |
| LUXEON 3535L HE Plus | – High Flux and Highest Efficacy |

FEATURES AND BENEFITS

Supports ENERGY STAR® lumen maintenance certification requirements

Meets DLC Premium requirements

Maximum drive current of 300mA delivers superior lumens for reduced LED count for LUXEON 3535L HE and LUXEON 3535L HE Plus

1/7th ANSI color binning delivers tight color control

Enables T_s points of 105°C which allows for higher board temperature

Full range of CCTs and CRI configurations for design flexibility

UL-recognized component [E352519]

PRIMARY APPLICATIONS

Architectural

Downlights

High Bay & Low Bay

Indoor Area Lighting

Lamps

Outdoor



LUXEON 3535L Line product performance at 100mA and 65mA, T_j=25°C.

PRODUCT	NOMINAL CCT ^[1]	MINIMUM CRI ^[2, 3]	LUMINOUS FLUX ^[3] (lm)		TYPICAL LUMINOUS EFFICACY (lm/W)	TYPICAL LUMINOUS FLUX (lm)	TYPICAL LUMINOUS EFFICACY (lm/W)	PART NUMBER
			MINIMUM	TYPICAL				
			100mA			65mA		
LUXEON 3535L	4000K	70	40	49	161	33	176	MXA7-PW40-0000
	5000K	70	40	49	161	33	176	MXA7-PW50-0000
	5700K	70	40	49	161	33	176	MXA7-PW57-0000
	6500K	70	40	47	155	32	168	MXA7-PW65-0000
	2200K	80	28	33	109	22	117	MXA8-PW22-0000
	2500K	80	28	34	112	23	121	MXA8-PW25-0000
	2700K	80	36	44	145	30	156	MXA8-PW27-0000
	3000K	80	34	44	145	30	156	MXA8-PW30-0000
	3500K	80	34	44	145	30	156	MXA8-PW35-0000
	4000K	80	36	46	151	31	163	MXA8-PW40-0000
	5000K	80	36	47	155	32	167	MXA8-PW50-0000
	5700K	80	36	45	148	30	160	MXA8-PW57-0000
	6500K	80	36	45	148	30	160	MXA8-PW65-0000
	2700K	90	31	36	119	24	128	MXA9-PW27-9000
	3000K	90	31	36	119	24	128	MXA9-PW30-0000
4000K	90	34	40	132	27	142	MXA9-PW40-0000	
LUXEON 3535L HE	4000K	70	42	51	176	34	186	MXA7-PW40-H001
	5000K	70	42	51	176	34	186	MXA7-PW50-H001
	5700K	70	42	51	176	34	186	MXA7-PW57-H001
	6500K	70	42	51	176	34	186	MXA7-PW65-H001
	2200K	80	30	35	121	23	128	MXA8-PW22-H001
	2500K	80	30	36	125	24	132	MXA8-PW25-H001
	2700K	80	38	46	164	32	172	MXA8-PW27-H001
	3000K	80	38	46	164	32	172	MXA8-PW30-H001
	3500K	80	40	46	164	32	172	MXA8-PW35-H001
	4000K	80	42	52	183	33	190	MXA8-PW40-H001
	5000K	80	42	51	183	33	190	MXA8-PW50-H001
	5700K	80	42	51	183	33	190	MXA8-PW57-H001
	6500K	80	42	51	183	33	190	MXA8-PW65-H001
	2700K	90	32	37	128	25	135	MXA9-PW27-H001
	3000K	90	32	37	128	25	135	MXA9-PW30-H001
	3500K	90	32	40	138	27	146	MXA9-PW35-H001
	4000K	90	32	41	142	27	150	MXA9-PW40-H001
	5000K	90	32	41	142	27	150	MXA9-PW50-H001
5700K	90	32	40	138	27	146	MXA9-PW57-H001	
6500K	90	32	40	138	27	146	MXA9-PW65-H001	

Notes:

1. Correlated color temperature is based upon mounted die on highly reflective surface at T_j=25°C.
2. Typical CRI is approximately 2 points higher than the minimum CRI specified, but this is not guaranteed.
3. Lumileds maintains a tolerance of ±2 on CRI and ±6.5% on luminous flux measurements.

LUXEON 3535L Line product performance at 100mA and 65mA, T_j=25°C (continued).

PRODUCT	NOMINAL CCT ^[1]	MINIMUM CRI ^[2, 3]	LUMINOUS FLUX ^[3] (lm)		TYPICAL LUMINOUS EFFICACY (lm/W)	TYPICAL LUMINOUS FLUX (lm)	TYPICAL LUMINOUS EFFICACY (lm/W)	PART NUMBER
			MINIMUM	TYPICAL				
			100mA			65mA		
LUXEON 3535L HE Plus (Round LES)	2700K	80	44	47	165	30	172	L135-2780CA35000P1
	3000K	80	44	47	165	30	172	L135-3080CA35000P1
	3500K	80	44	47	165	30	172	L135-3580CA35000P1
	4000K	80	48	53	186	34	194	L135-4080CA35000P1
	5000K	80	48	52	186	34	194	L135-5080CA35000P1
	5700K	80	48	52	186	34	194	L135-5780CA35000P1
	6500K	80	48	52	186	34	194	L135-6580CA35000P1
LUXEON 3535L HE Plus (Square LES)	2700K	70	45	52	183	34	191	L135-2770SA35000P1
	3000K	70	47	53	190	35	197	L135-3070SA35000P1
	3500K	70	48	54	193	36	203	L135-3570SA35000P1
	4000K	70	50	56	200	37	208	L135-4070SA35000P1
	5000K	70	50	56	200	37	208	L135-5070SA35000P1
	5700K	70	49	55	197	36	203	L135-5770SA35000P1
	6500K	70	49	55	197	36	203	L135-6570SA35000P1
LUXEON 3535L HE Plus (Square LES)	2700K	80	45	50	183	34	191	L135-2780SA35000P1
	3000K	80	46	52	186	34	191	L135-3080SA35000P1
	3500K	80	47	53	190	35	197	L135-3580SA35000P1
	4000K	80	48	54	193	36	203	L135-4080SA35000P1
	5000K	80	48	54	193	36	203	L135-5080SA35000P1
	5700K	80	48	54	193	36	203	L135-5780SA35000P1
	6500K	80	47	53	190	35	197	L135-6580SA35000P1
LUXEON 3535L HE Plus (Square LES)	2700K	90	38	43	154	28	158	L135-2790SA35000P1
	3000K	90	39	44	158	29	163	L135-3090SA35000P1
	3500K	90	40	45	161	30	169	L135-3590SA35000P1
	4000K	90	41	46	165	30	169	L135-4090SA35000P1
	5000K	90	41	46	165	30	169	L135-5090SA35000P1
	5700K	90	41	46	165	30	169	L135-5790SA35000P1
	6500K	90	40	45	161	30	169	L135-6590SA35000P1

Notes (continued):

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