



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 [E507562]

PRIMARY APPLICATIONS

- Architectural
- Downlights
- High Bay & Low Bay
- Indoor Area Lighting
- Lamps
- Outdoor



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

PRODUCT	NOMINAL CCT ^[1]	MINIMUM CRI ^[2, 3]	LUMINOUS FLUX ^[3] (lm)		TYPICAL LUMINOUS EFFICACY (lm/W)	PART NUMBER	
			MINIMUM	TYPICAL			
			100mA				
LUXEON 3535L	4000K	70	40.0	54.0	187	MXA7-PW40-0000	
	5000K	70	40.0	54.0	187	MXA7-PW50-0000	
	5700K	70	40.0	54.0	187	MXA7-PW57-0000	
	6500K	70	40.0	52.0	180	MXA7-PW65-0000	
	2200K	80	28.0	40.0	138	MXA8-PW22-0000	
	2500K	80	28.0	42.0	145	MXA8-PW25-0000	
	2700K	80	36.0	46.0	159	MXA8-PW27-0000	
	3000K	80	34.0	48.0	166	MXA8-PW30-0000	
	3500K	80	34.0	50.0	173	MXA8-PW35-0000	
	4000K	80	36.0	52.0	180	MXA8-PW40-0000	
	5000K	80	36.0	52.0	180	MXA8-PW50-0000	
	5700K	80	36.0	52.0	180	MXA8-PW57-0000	
	6500K	80	36.0	50.0	173	MXA8-PW65-0000	
	2700K	90	31.0	39.0	135	MXA9-PW27-9000	
	3000K	90	31.0	40.0	138	MXA9-PW30-0000	
	4000K	90	34.0	44.0	152	MXA9-PW40-0000	
	LUXEON 3535L HE	4000K	70	42.0	55.0	190	MXA7-PW40-H001
		5000K	70	42.0	55.0	190	MXA7-PW50-H001
		5700K	70	42.0	55.0	190	MXA7-PW57-H001
		6500K	70	42.0	55.0	190	MXA7-PW65-H001
2200K		80	30.0	40.0	138	MXA8-PW22-H001	
2500K		80	30.0	45.0	156	MXA8-PW25-H001	
2700K		80	38.0	48.0	166	MXA8-PW27-H001	
3000K		80	38.0	49.0	169	MXA8-PW30-H001	
3500K		80	40.0	51.0	176	MXA8-PW35-H001	
4000K		80	42.0	53.0	183	MXA8-PW40-H001	
5000K		80	42.0	53.0	183	MXA8-PW50-H001	
5700K		80	42.0	53.0	183	MXA8-PW57-H001	
6500K		80	42.0	52.0	180	MXA8-PW65-H001	
2700K		90	32.0	39.0	135	MXA9-PW27-H001	
3000K		90	32.0	41.0	142	MXA9-PW30-H001	
3500K		90	32.0	43.0	149	MXA9-PW35-H001	
4000K		90	32.0	44.0	152	MXA9-PW40-H001	
5000K		90	32.0	45.0	156	MXA9-PW50-H001	
5700K		90	32.0	45.0	156	MXA9-PW57-H001	
6500K		90	32.0	45.0	156	MXA9-PW65-H001	

Table continued on next page.

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, T_j=25°C (continued).

PRODUCT	NOMINAL CCT [1]	MINIMUM CRI [2, 3]	LUMINOUS FLUX [3] (lm)		TYPICAL LUMINOUS EFFICACY (lm/W)	PART NUMBER
			MINIMUM	TYPICAL		
			100mA			
LUXEON 3535L HE Plus (Round LES)	2700K	70	44.5	49.5	177	L135-2770CA35000P1
	3000K	70	45.5	50.5	181	L135-3070CA35000P1
	3500K	70	47.5	52.5	188	L135-3570CA35000P1
	4000K	70	50.0	54.5	195	L135-4070CA35000P1
	5000K	70	50.0	54.5	195	L135-5070CA35000P1
	5700K	70	50.0	54.5	195	L135-5770CA35000P1
	6500K	70	48.0	53.0	190	L135-6570CA35000P1
	2700K	80	44.0	47.0	168	L135-2780CA35000P1
	3000K	80	44.0	48.0	172	L135-3080CA35000P1
	3500K	80	44.0	50.0	179	L135-3580CA35000P1
	4000K	80	48.0	52.0	186	L135-4080CA35000P1
	5000K	80	48.0	52.0	186	L135-5080CA35000P1
	5700K	80	48.0	52.0	186	L135-5780CA35000P1
	6500K	80	48.0	50.0	179	L135-6580CA35000P1
	2700K	90	36.0	40.0	143	L135-2790CA35000P1
	3000K	90	37.0	41.0	147	L135-3090CA35000P1
	3500K	90	38.0	42.5	152	L135-3590CA35000P1
	4000K	90	40.0	44.0	158	L135-4090CA35000P1
	5000K	90	40.0	44.0	158	L135-5090CA35000P1
	5700K	90	40.0	44.0	158	L135-5790CA35000P1
	6500K	90	39.0	42.5	152	L135-6590CA35000P1
LUXEON 3535L HE Plus (Square LES)	2700K	70	45.0	53.0	190	L135-2770SA35000P1
	3000K	70	48.0	54.0	193	L135-3070SA35000P1
	3500K	70	49.0	55.0	197	L135-3570SA35000P1
	4000K	70	51.0	57.0	204	L135-4070SA35000P1
	5000K	70	51.0	57.0	204	L135-5070SA35000P1
	5700K	70	51.0	57.0	204	L135-5770SA35000P1
	6500K	70	49.0	55.0	197	L135-6570SA35000P1
	2700K	80	45.0	50.0	179	L135-2780SA35000P1
	3000K	80	46.0	52.0	186	L135-3080SA35000P1
	3500K	80	47.0	53.0	190	L135-3580SA35000P1
	4000K	80	48.0	54.0	193	L135-4080SA35000P1
	5000K	80	48.0	54.0	193	L135-5080SA35000P1
	5700K	80	48.0	54.0	193	L135-5780SA35000P1
	6500K	80	47.0	53.0	190	L135-6580SA35000P1
	2700K	90	38.0	43.0	154	L135-2790SA35000P1
	3000K	90	39.0	44.0	158	L135-3090SA35000P1
	3500K	90	40.0	45.0	161	L135-3590SA35000P1
	4000K	90	41.0	46.0	165	L135-4090SA35000P1
	5000K	90	41.0	46.0	165	L135-5090SA35000P1
	5700K	90	41.0	46.0	165	L135-5790SA35000P1
	6500K	90	40.0	45.0	161	L135-6590SA35000P1

Notes (continued):

1. Correlated color temperature is based upon mounted die on highly reflective surface at T=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.

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