



LUXEON XF-3535L

Turnkey solution on a flexible substrate with optimized performance and uniform light distribution



LUXEON XF-3535L is a fully integrated solution optimized for lighting applications requiring flexible linear LED arrays that can easily fit into any luminaire housing form factor. The turnkey solution minimizes time to market and simplifies supply chain by reducing optical and mechanical design efforts. Combined with LUXEON 3535L, LUXEON XF-3535L provides the same powerful optical performance guaranteed by LUXEON LEDs.

FEATURES AND BENEFITS

1000–5000 lumen strips enabling efficacies of up to 157 lm/W

A full range of CCT/CRI offerings: 2200–5700K with 70–90CRI minimums

Complete integrated solution guarantees simplified supply chain and faster time to market

Backside adhesive for attachment to heat sink allows for ease of mounting and assembly

Available with solder terminals or push-in wire connectors for easy electrical connection

UL-recognized component [E335118]

5 year limited warranty

PRIMARY APPLICATIONS

Downlights

Indoor Area Lighting

Specialty Lighting

LUXEON XF-3535L product performance at 100mA/LED, T_j=25°C.

NOMINAL CCT	MINIMUM CRI	LUMINOUS FLUX ⁽¹⁾ (lm)		TYPICAL LUMINOUS EFFICACY (lm/W)	TYPICAL FORWARD VOLTAGE (V _f)	TEST CURRENT (mA)	PART NUMBER ⁽²⁾
		MINIMUM	TYPICAL				
2200K	80	1080	1206	112	18	600	L235-2280AHLxByACO
		1680	1876	112	21	800	L235-2280AMLf5WAD0
		3240	3618	112	36	900	L235-2280AULM5JAIO
2700K	80	1368	1476	137	18	600	L235-2780AHLxByACO
		2128	2296	137	21	800	L235-2780AMLf5WAD0
		4104	4428	137	36	900	L235-2780AULM5JAIO
	85	1080	1224	113	18	600	L235-2790AHLxByACO
		1680	1904	113	21	800	L235-2790AMLf5WAD0
		3240	3672	113	36	900	L235-2790AULM5JAIO
3000K	80	1368	1512	140	18	600	L235-3080AHLxByACO
		2128	2352	140	21	800	L235-3080AMLf5WAD0
		4104	4536	140	36	900	L235-3080AULM5JAIO
3500K	80	1512	1548	143	18	600	L235-3580AHLxByACO
		2352	2408	143	21	800	L235-3580AMLf5WAD0
		4536	4644	143	36	900	L235-3580AULM5JAIO
4000K	80	1512	1584	147	18	600	L235-4080AHLxByACO
		2352	2464	147	21	800	L235-4080AMLf5WAD0
		4536	4752	147	36	900	L235-4080AULM5JAIO
	85	1224	1368	127	18	600	L235-4090AHLxByACO
		1904	2128	127	21	800	L235-4090AMLf5WAD0
		3672	4104	127	36	900	L235-4090AULM5JAIO
5000K	80	1512	1692	157	18	600	L235-5080AHLxByACO
		2352	2632	157	21	800	L235-5080AMLf5WAD0
		4536	5076	157	36	900	L235-5080AULM5JAIO
5700K	80	1512	1548	143	18	600	L235-5780AHLxByACO
		2352	2408	143	21	800	L235-5780AMLf5WAD0
		4536	4644	143	36	900	L235-5780AULM5JAIO
	70	1584	1692	157	18	600	L235-5770AHLxByACO
		2464	2632	157	21	800	L235-5770AMLf5WAD0
		4752	5076	157	36	900	L235-5770AULM5JAIO

Notes:

1. Lumileds maintains a tolerance of ±7.5% on flux measurements.
2. "x" and "y" are part number attributes as explained in product datasheet.

LUXEON XF-3535L physical configurations.

PART NUMBER	LED COUNT	FLEX STRIP LENGTH (MM)	FLEX STRIP WIDTH (MM)	LED PITCH ⁽¹⁾ (MM)	ELECTRICAL CONFIGURATION	ELECTRICAL CONNECTION
L235-xyyAHLGBAAC0	36	600	10	16.67	6 Parallel x 6 Series LEDs	Tin Contacts
L235-xyyAHLGBBAC0	36	600	10	16.67	6 Parallel x 6 Series LEDs	IDC Connectors
L235-xyyAHLCBAAAC0	36	300	10	8	6 Parallel x 6 Series LEDs	Tin Contacts
L235-xyyAHLCBBAC0	36	300	10	8	6 Parallel x 6 Series LEDs	IDC Connectors
L235-xyyAMLf5WAD0	56	525	5.25	8.45	8 Parallel x 7 Series LEDs	IDC Connectors
L235-xyyAULM5JAIO	108	1150	5.25	10	9 Parallel x 12 Series LEDs	IDC Connectors

Notes:

1. LED pitch is measured from optical center to optical center of neighboring LED packages.

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