



LUXEON 3535 HV

High voltage package that reduces system BOM while achieving high efficacy

The LUXEON 3535 HV is a mid-power LED, SMD solution that comes in both 24V and 48V configurations. This 3535 high-voltage architecture allows for freedom of design when a LED project requires less bulky, more efficient drivers and an ultimate cost down on the LED systems. LUXEON 3535 HV is consistent with our LUXEON 3535L dimensions of 3.5mm x 3.5mm x 0.8mm for ease of installation.



Features

- Multi-junction die
- High voltage
- Excellent current spreading
- High light output per package

Benefits

- Enables a cost down on drivers
- Lower current, more efficient driver
- Leads to better extraction of light
- Allows reduction in overall LED count

Key Applications

- Down lights
- Indoor Area Lighting
- Bulbs
- Wall Sconce
- Wall Pack

LUXEON 3535 HV Product Characteristics

Typical Performance Characteristics at 15 mA, & 20 mA with a Junction Temperature = 25°C

Base Part Number	Nominal ANSI CCT	Min CRI	Min Luminous Flux (lm)	Typical Luminous Flux (lm)		Typical Forward Voltage (V _f)	Typical Efficacy (lm/W)	
				15mA	20mA		15mA	20mA
L135-27800BHV0000000	2700K	80	37	41	53	24	114	107
L135-30800BHV0000000	3000K	80	39	43	55	24	119	112
L135-40800BHV0000000	4000K	80	42	48	60	24	133	125
L135-50800BHV0000000	5000K	80	42	48	60	24	133	125
L135-27800CHV0000000	2700K	80	71	80	102	48	111	104
L135-30800CHV0000000	3000K	80	75	84	107	48	117	107
L135-40800CHV0000000	4000K	80	83	93	120	48	129	121
L135-50800CHV0000000	5000K	80	83	93	120	48	129	121

Notes:

- Philips Lumileds maintains a tolerance of $\pm 7.5\%$ on luminous flux and ± 2 on CRI measurements

PRELIMINARY