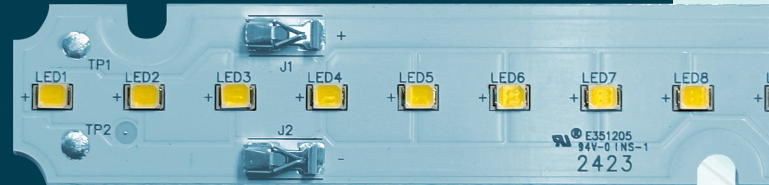




LE14XXYYCRN5.5 LE28XXYYCRN11 LE56XXYYCRN23.7

5.5", 11", 23.7" LINEAR



Manufactured in the USA as a component
for BABA & Buy American compliant
LED Luminaires.

Electrical Specifications

Driver type:	Constant Current
Life:	50,000 Hrs. @ 85 °C
Max Junction Temp:	85 °C
Max Test Point Temp:	120 °C
Operating Temp:	-40 °C to +105 °C
Storage Temp:	-40 °C to +100 °C
Viewing Angle (FWHM):	120 ° Lambertian distribution

All the same voltage for Parallel wiring designed for Multi length linear fixtures

Overview (LED configuration will be different for each PCB):

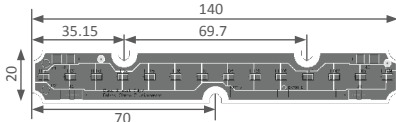
- Constant Current DC Array
- LE14XXYYCRN5.5 – 14 LEDs in series
- LE28XXYYCRN11 – 14 LEDs in series x 2 parallel strings
- LE56XXYYCRN23.7 – 14 LEDs in series x 4 parallel strings
- Designed for easy use in standard luminaires
- 3-step MacAdam Ellipse
- UL Recognized Components

Connectivity:

Four Poke-In Connectors use #24-18 AWG stranded

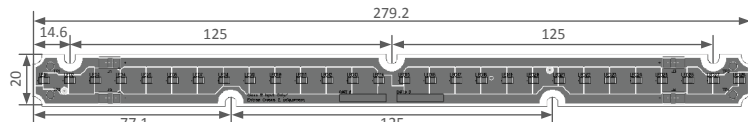
Dimensions:

LE14XXYYCRN5.5



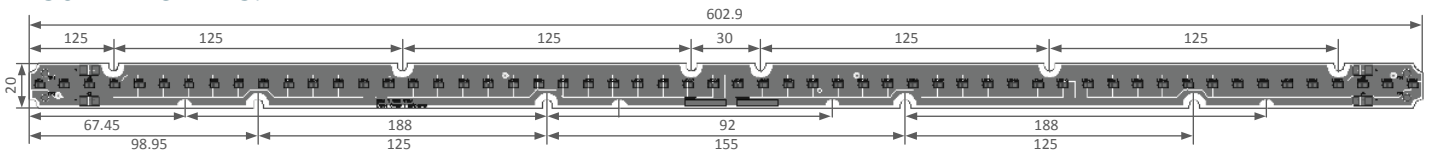
- 1.0 W/m*K Aluminum MCPCB material
- 1.6 mm board thickness

LE28XXYYCRN11



- 1.0 W/m*K Aluminum MCPCB material
- 1.6 mm board thickness

LE56XXYYCRN23.7



- 1.0 W/m*K Aluminum MCPCB material
- 1.6 mm board thickness

Disclaimer: The modules referenced in this document are constructed with Cree LEDs unless explicitly specified otherwise. Actual performance is dependent on multiple external factors, and may vary as much as +/- 3% from stated values.

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LE14XXYYCRN5.5 • Typical Forward Voltage: 39.8 V Typ. / 40.5 V Max.

Model	Color Temp (K)	CRI (Ra)	Forward Voltage (V)	Drive Current (mA)	Power (W)	Lumens	Efficacy (Lm/W)		
LE142780CRN5.5	2700	80	39.8 Typ. / 40.5 Max	150 Typ. / 240 Max	6.0 Typ. / 9.7 Max	969 Typ. / 1369 Max	161.5 Typ. / 141.1 Max		
LE143080CRN5.5	3000					1012 Typ. / 1429 Max	168.7 Typ. / 147.3 Max		
LE143580CRN5.5	3500					1039 Typ. / 1468 Max	173.2 Typ. / 151.3 Max		
LE144080CRN5.5	4000					1070 Typ. / 1512 Max	178.3 Typ. / 155.9 Max		
LE145080CRN5.5	5000					1070 Typ. / 1512 Max	178.3 Typ. / 155.9 Max		
LE142790CRN5.5	2700	90						813 Typ. / 1148 Max	135.5 Typ. / 118.4 Max
LE143090CRN5.5	3000					851 Typ. / 1203 Max	141.8 Typ. / 124.0 Max		
LE143590CRN5.5	3500					880 Typ. / 1243 Max	146.7 Typ. / 128.1 Max		
LE144090CRN5.5	4000					905 Typ. / 1278 Max	150.8 Typ. / 131.8 Max		
LE145090CRN5.5	5000					905 Typ. / 1278 Max	150.8 Typ. / 131.8 Max		

LE28XXYYCRN11 • Typical Forward Voltage: 39.8 V Typ. / 40.5 V Max.

Model	Color Temp (K)	CRI (Ra)	Forward Voltage (V)	Drive Current (mA)	Power (W)	Lumens	Efficacy (Lm/W)			
LE282780CRN11	2700	80	39.8 Typ. / 40.5 Max	300 Typ. / 480 Max.	11.9 Typ. / 19.4 Max.	1938 Typ. / 2738 Max	162.9 Typ. / 141.1 Max			
LE283080CRN11	3000					2023 Typ. / 2858 Max	170.0 Typ. / 147.3 Max			
LE283580CRN11	3500					2078 Typ. / 2936 Max	174.6 Typ. / 151.3 Max			
LE284080CRN11	4000					2141 Typ. / 3025 Max	179.9 Typ. / 155.9 Max			
LE285080CRN11	5000					2141 Typ. / 3025 Max	179.9 Typ. / 155.9 Max			
LE282790CRN11	2700	90							1625 Typ. / 2297 Max	136.6 Typ. / 118.4 Max
LE283090CRN11	3000								1702 Typ. / 2405 Max	143.0 Typ. / 124.0 Max
LE283590CRN11	3500								1760 Typ. / 2486 Max	147.9 Typ. / 128.1 Max
LE284090CRN11	4000								1809 Typ. / 2556 Max	152.0 Typ. / 131.8 Max
LE285090CRN11	5000								1809 Typ. / 2556 Max	152.0 Typ. / 131.8 Max

LE56XXYYCRN23.7 • Typical Forward Voltage: 39.8 V Typ. / 40.5 V Max.

Model	Color Temp (K)	CRI (Ra)	Forward Voltage (V)	Drive Current (mA)	Power (W)	Lumens	Efficacy (Lm/W)			
LE562780CRN23.7	2700	80	39.8 Typ. / 40.5 Max	600 Typ. / 960 Max	23.9 Typ. / 38.8 Max	3876 Typ. / 5476 Max	162.2 Typ. / 141.1 Max			
LE563080CRN23.7	3000					4046 Typ. / 5716 Max	169.3 Typ. / 147.3 Max			
LE563580CRN23.7	3500					4156 Typ. / 5872 Max	173.9 Typ. / 151.3 Max			
LE564080CRN23.7	4000					4282 Typ. / 6050 Max	179.2 Typ. / 155.9 Max			
LE565080CRN23.7	5000					4282 Typ. / 6050 Max	179.2 Typ. / 155.9 Max			
LE562790CRN23.7	2700	90							3251 Typ. / 4594 Max	136.0 Typ. / 118.4 Max
LE563090CRN23.7	3000								3404 Typ. / 4810 Max	142.4 Typ. / 124.0 Max
LE563590CRN23.7	3500								3520 Typ. / 4973 Max	147.3 Typ. / 128.2 Max
LE564090CRN23.7	4000								3618 Typ. / 5112 Max	151.4 Typ. / 131.8 Max
LE565090CRN23.7	5000								3618 Typ. / 5112 Max	151.4 Typ. / 131.8 Max

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