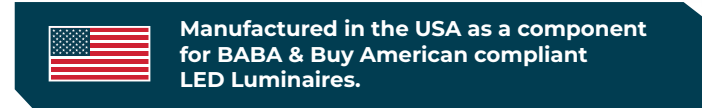
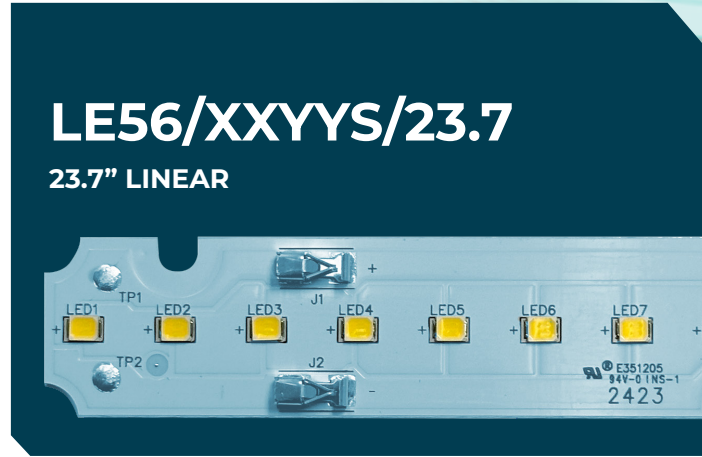


Electrical Specifications

Driver type:	Constant Current
Drive Current:	308 mA Typ. / 800 mA Max.
Total Board Power:	11.8 W Typ. / 32.2 W Max
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



LE56/XXYYS/23.7 • Typical Forward Voltage: 38.2 V Typ. / 40.3 V Max.

Model	Color Temp (K)	CRI (Ra)	Forward Voltage (V)	Drive Current (mA)	Power (W)	Lumens	Efficacy (Lm/W)			
LE56/3080S/23.7	3000*	80	38.2 Nom. / 40.3 Max.	308 Nom. / 800 Max.	11.8 Nom. / 32.2 Max.	2121 Typ. / 5162 Max	180.2 Typ. / 160.1 Max			
LE56/3580S/23.7	3500					2152 Typ. / 5237 Max	182.8 Typ. / 162.4 Max			
LE56/4080S/23.7	4000*					2213 Typ. / 5386 Max	188.0 Typ. / 167.1 Max			
LE56/5080S/23.7	5000*					2244 Typ. / 5461 Max	190.6 Typ. / 169.4 Max			
LE56/3090S/23.7	3000	90				38.2 Nom. / 40.3 Max.	308 Nom. / 800 Max.	11.8 Nom. / 32.2 Max.	1813 Typ. / 4414 Max	154.0 Typ. / 136.9 Max
LE56/3590S/23.7	3500								1875 Typ. / 4563 Max	159.3 Typ. / 141.5 Max
LE56/4090S/23.7	4000*								1936 Typ. / 4713 Max	164.5 Typ. / 146.2 Max
LE56/5090S/23.7	5000								2029 Typ. / 4937 Max	172.4 Typ. / 153.1 Max

* Stock Colors of LEDs

Disclaimer: The modules referenced in this document are designed for use with Samsung LEDs.

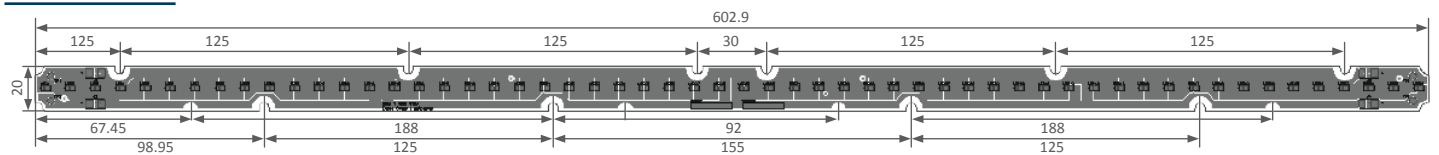
Overview:

- Constant Current DC Array
- 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:



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

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Data is based upon tests performed by AC Electronics in a controlled environment and representative performance. Actual performance can vary depending on operating conditions. Specifications are subject to change without notice. All specifications are nominal unless otherwise noted.

