LBIW-F16/A0205, LBIH-F16/D0205, LBIX-F16/D0205, LBIR-F16/N0205, LBIA-F16/N0205, LBIY-F16/N0205, LBIB-F16/N0205, LBIG-F16/N0205

Features

- High Brightness SMD LED
- Low Power Requirement & Energy Efficient
- Easily customized for length with several options

Typical Applications

- Tube Light Source
- Auditorium Walkway Lighting
- Stairway Accent Lighting
- Cabinet Lighting

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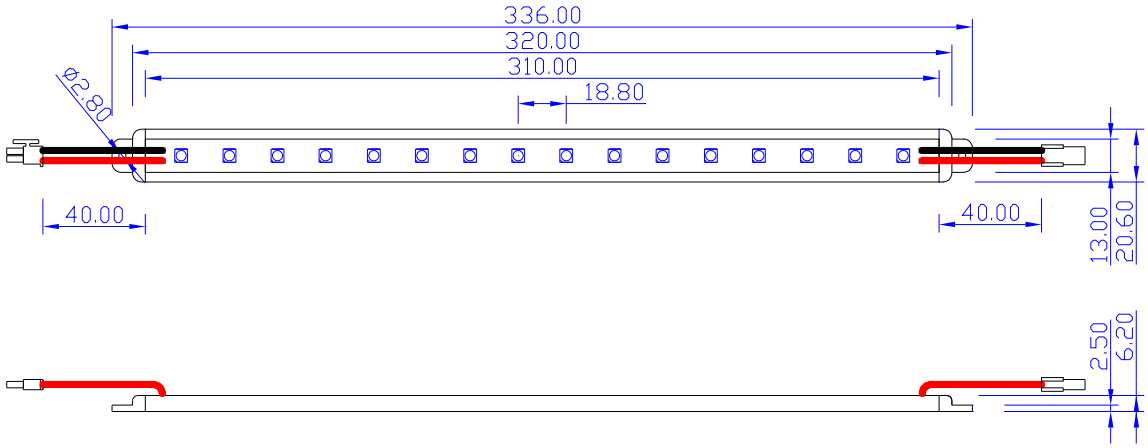
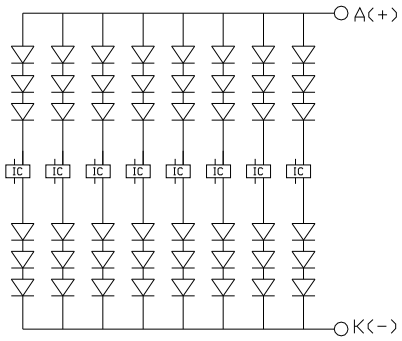
Package Outlines



Circuit Diagram



Notes:

1.All dimensions are in millimeters.

2.Tolerance is ±0.20 mm unless otherwise noted.

Absolute Maximum Ratings

Parameter	Symbol	Rating	Units
DC Forward Current	I_F	**160**	mA
LED junction Temperature	**Tj**	**125**	℃
Operating Temperature	T_{opr}	**-30 ~ +85**	℃
Storage Temperature	T_{stg}	**-40 ~ +100**	℃

Notes:

1. Proper current derating must be observed to maintain junction temperature below the maximum at all time.
2. LEDs are not designed to be driven in reverse bias.

Electro-Optical Characteristics (Tj=25℃)

Part No.	Color	Number of LEDs	Input Voltage (V DC)	Power (W)	Current (mA)	Radiance Angle	λd (nm) /CCT(K)	Lumen Flux(lm)
LBIR-F16/N0205	Red	16	15	2.40	160	120°	625nm	58
LBIY-F16/N0205	Yellow	16	15	2.40	160	120°	590nm	62
LBIA-F16/N0205	Amber	16	15	2.40	160	120°	615nm	58
LBIG-F16/N0205	True Green	16	24	3.84	160	120°	525nm	133
LBIB-F16/N0205	Blue	16	24	3.84	160	120°	470nm	37
LBIW-F16/A0205	White	16	24	3.84	160	120°	6000 K	192
LBIH-F16/D0205	Neutral White	16	24	3.84	160	120°	4100 K	192
LBIX-F16/D0205	Warm White	16	24	3.84	160	120°	3050 K	192

Note:

1. All data are related to the entire module.