

Prizmatix

Prizmatix LED Products Comparison



Black-LED



Silver-LED



Slim-LED

LED Housing			
Price	●●●● 1	●●● 2	●● 3
Fiber Coupled Power ⁴	●●●●	●●●	●●
LED type	High Power LED	High Power LED	High Power LED
Optical output connector types	SMA, FC, ST	SMA	SMA
Coupling technology	Aspheric Lenses	Direct coupling	Direct coupling
Heat dissipation	Passive heat clearance	Passive heat clearance	Passive heat clearance
Bandpass limiting interference filter between the LED and fiber connector	Optional	Not applicable	Not applicable
Fiber optic patch cord	If needed sold separately	If needed sold separately	If needed sold separately
Dimensions [mm] (W x H x L)	50 x 50 x 45 LED Head Housing	105 x 55 x 165	80 x 30 x 125
Current Controller			
Suitable Current Controller	BLCC-2 Included in separate box	Included In LED housing	Included In LED housing
Dimensions [mm] (W x H x L)	75 x 40 x 120	105 x 55 x 165	80 x 30 x 125
CW Operation	Yes	Yes	Yes
External TTL input	Yes	Yes	No
External Analog modulation input ⁵	Optional	Optional	No
Output power control ^{6,7}	10 Turns precision Potentiometer with numerical dial	10 Turns precision Potentiometer with numerical dial	Simple Potentiometer
Power input	24 VDC, 1A	24 VDC, 1A	24 VDC, 1A
Power Adaptor			
Power input	100-240 VAC, 1 A, 47-63 Hz	100-240 VAC, 1 A, 47-63 Hz	100-240 VAC, 1 A, 47-63 Hz
Power output	24 VDC, 1.1Amax 25Wmax	24 VDC, 1.1Amax 25Wmax	24 VDC, 1.1Amax 25Wmax
Safety	TUV, UL	TUV, UL	TUV, UL

Main Office

Phone: +972-8-929-7844
 Fax: +972-8-929-8772
 sales@prizmatix.com

European Sales Office

Phone: +44 (0)77-9172-9592
 Fax: +44 (0)20-7681-2977
 sales.europe@prizmatix.com

North America Sales Office

Phone: +1-(248)-436-8085
 Fax: +1-(248)-281-5236
 sales.usa@prizmatix.com

16 Or-Hahaim St., P.O.B. 4164 Modiin-Ilite 71919, Israel

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Remarks:

- ¹ The Black-LED-XYZ price includes: Black-LED housing, BLCC-2 current controller, 100-240VAC power adaptor and power cord.
Fiber optic patch cord is sold separately if required.
- ² The Silver-LED-XYZ price includes: Silver-LED-XYZ housing with internal CW current controller, 100-240VAC power adaptor and power cord.
Fiber optic patch cord is sold separately if required.
- ³ The Slim-LED-XYZ price includes: Slim-LED-XYZ housing with internal CW current controller, 100-240VAC power adaptor and power cord.
Fiber optic patch cord is sold separately if required.
- ⁴ Power output coupled into the specific fiber is limited by the fiber characteristics.
Larger core and higher NA will increase the coupled power output, and vice versa.
- ⁵ External Analog modulation input can be provided as option instead of the standard TTL modulation input.
- ⁶ The BLCC-2 and Silver-LED current controllers may be equipped with National Instruments USB6008 A/D unit with LabView based control software, which can be configured by the user to specific requirements.
- ⁷ OEM versions of LED driver and High Power LED with passive heat sink are available, please inquire.

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