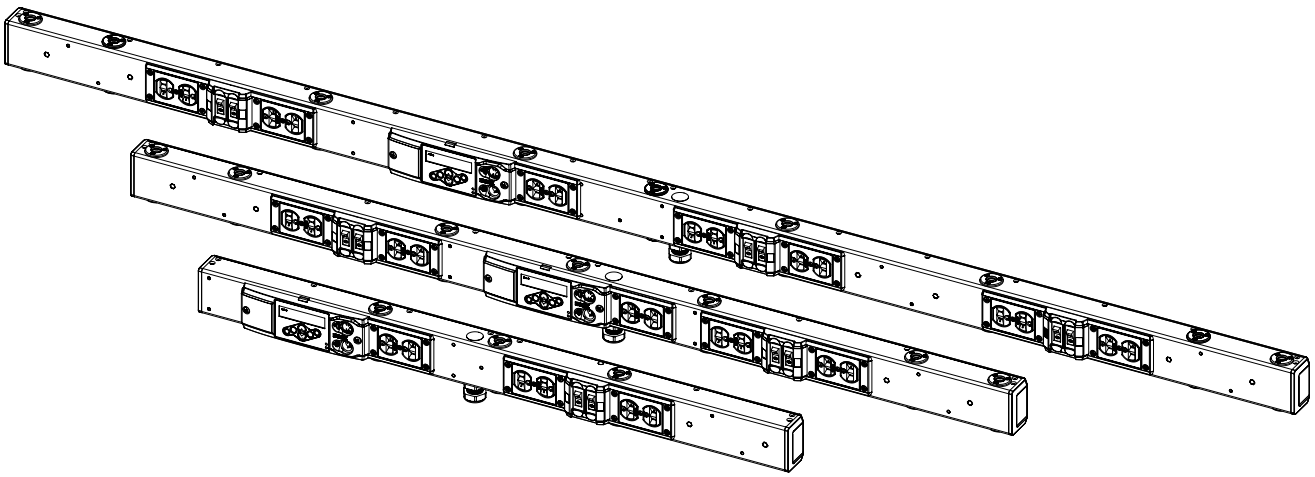
ETC®

SmartBar® 2

Smart Solutions™ Series

120V



GENERAL INFORMATION

SmartBar 2 is ETC's latest innovation in ETC's Smart Solutions Family, giving you next generation dimming for portable or permanent installations without busting your budget.

Set up your system and light like a pro. Just plug in and play anytime, anywhere.

APPLICATIONS

- Applications requiring distributed dimming and position flexibility:
  - Industrial productions
  - Rental productions
  - Convention and conference centers
  - Museums
  - Casinos
  - Discos
  - Multi-use venues such as: Gymnasiums, Cafetoriums and Multimedia rooms

FEATURES

- Convection cooled
  - No fans required
- Fixture Mount
  - Integrated fixture suspension points
- Easy Focus
  - Integrated nylon bushings
- Top or bottom feed
- Up to 1200 watts max per output
- Easy Reset
  - Resettable breaker output protection
- RDM Enabled
  - DMX512A w/RDM Remote Addressing
- Smart UI
  - Graphic level display
  - Quick setup menus
  - Button shortcut for manual control
  - User-selectable dimmer curves
  - 20 chases (preprogramed sequences)

ORDERING INFORMATION

SmartBar 2

MODEL	DESCRIPTION
SB2-10-A	2 Circuit SmartBar 2, 1 x 20A Cable in, Dual Edison output
SB2-10-B	2 Circuit SmartBar 2, 1 x 20A Cable in, Stage Pin output
SB2-10-C	2 Circuit SmartBar 2, 1 x 20A Cable in, Twist-Lock® output
SB4-10-A	4 Circuit SmartBar 2, 1 x 20A Cable in, Dual Edison output
SB4-10-B	4 Circuit SmartBar 2, 1 x 20A Cable in, Stage Pin output
SB4-10-C	4 Circuit SmartBar 2, 1 x 20A Cable in, Twist-Lock output
SB4-10X-A*	4 Circuit SmartBar 2, Bi-phase (2 x 20A) Single Cable in, Dual Edison output
SB4-10X-B*	4 Circuit SmartBar 2, Bi-phase (2 x 20A) Single Cable in, Stage Pin output
SB4-10X-C*	4 Circuit SmartBar 2, Bi-phase (2 x 20A) Single Cable in, Twist-Lock output
SB6-10X-A*	6 Circuit SmartBar 2, Bi-phase (2 x 20A) Single Cable in, Dual Edison output
SB6-10X-B*	6 Circuit SmartBar 2, Bi-phase (2 x 20A) Single Cable in, Stage Pin output
SB6-10X-C*	6 Circuit SmartBar 2, Bi-phase (2 x 20A) Single Cable in, Twist-Lock output
SB6-10Y-A	6 Circuit SmartBar 2, 3 phase Cable in,Dual Edison output
SB6-10Y-B	6 Circuit SmartBar 2, 3 phase Cable in, Stage Pin output
SB6-10Y-C	6 Circuit SmartBar 2, 3 phase Cable in, Twist-Lock output

Note: For top feed, add a T to the input code (example: SB4-10XT-B)

* (-10X) Bi-phase models split Auxiliary, 1, and 2 circuits on phase 1 with circuits 3-6 on incoming phase 2.

SPECIFICATIONS

GENERAL

- 2, 4 or 6 dimmer versions available
- 1200 watt max per channel output
- UL / cUL Listed
- Installation requires attachment of safety cables, main power via flexible cable and data via DMX

MECHANICAL

- Manufactured of strong, thick walled aluminum with a black baked powder-coat finish
- Integrated, sleeved suspension points for fixtures and for mounting hardware
- Supplied with 4-1/2" long, 1/2" bolts and appropriate hardware for fixture mounting
- Convection cooled - operates without cooling fans or filters
- Sealed enclosure prevents dirt and dust intrusion

ELECTRICAL

- 85-140V phase to neutral 47-63Hz
- Input power feed (top or bottom feed)- 20A max per phase
- 2 Circuit - Single phase 2-wire Plus ground
- 4 Circuit- Choice of power entry
  - Single 12/3 SO cable for 120V hot/neutral/ground feed
  - Single 12/4 SO cable for 120/240V single (bi/2) phase feeds
- 6 Circuit - Choice of power entry
  - Single 10/5 SO cable for 120/208V three phase feeds
  - Single 12/4 SO cable for 120/240V single (bi/2) phase feeds
- Input power via an attached flexible 12' SO feed cord and bare-ends (connector not supplied)
- 2500V isolation between control and power components
- Total load can not exceed capacity of main power connection (wall outlet, 15A, 20A per phase)
- 75W minimum load per dimmer
- Dual Edison, Stage Pin or Twist-Lock outlets (1 per circuit)
- Single duplex auxiliary outlet centered on bar
- 10A magnetic supplemental circuit breaker for each output

THERMAL

- Maximum ambient temperature of 104°F (40° C)
- Humidity between 10 - 95% non-condensing
- Natural convection cooling
- Optimum cooling when mounted horizontally

CONTROL FEATURES

- DMX512 In and Thru via 5 Pin XLR connectors
- Supports up to 32 SmartBar 2s on one DMX line
- High contrast 2-line by 20-character backlit LCD with graphic channel level indication
- 6-button Smart style keypad
- 2 status LED indicators: Power and Valid DMX
- Soft patch any dimmer to any DMX channel
- Five selectable dimmer output curves:
  - IES modified square law
  - Linear
  - Switched (50% threshold)
  - Fluorescent with adjustable cut-off
  - Adjustable Pre-Heat
- Local manual control and 20 chase patterns for stand alone operation
- Multi-Language capability - English, Spanish, German, and French

ADDITIONAL INFORMATION

SmartBar 2 Accessories

MODEL	DESCRIPTION
400CC	C-Clamps
400SC	Safety cable
ST	SmartStand and adapter (casters optional)
SB2-2BOLTS	Spare Bolt kit for two circuit SmartBar 2
SB2-4BOLTS	Spare Bolt kit for four circuit SmartBar 2
SB2-6BOLTS	Spare Bolt kit for six circuit SmartBar 2

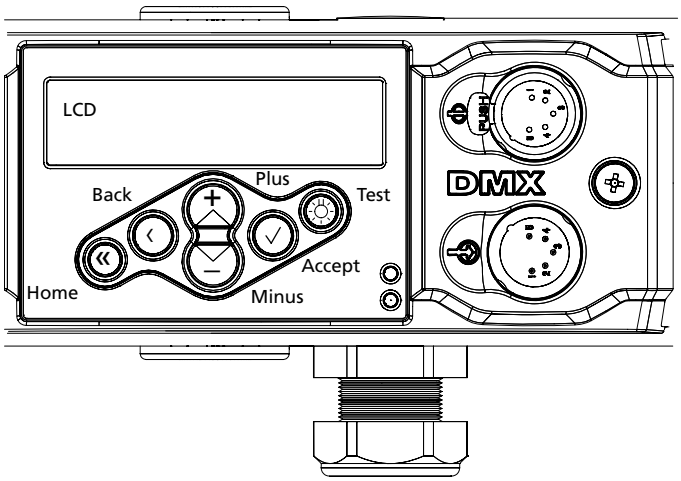
Suggested Fixtures

MODEL	DESCRIPTION
S4 jr	Source Four junior or junior zoom ellipsoidals
S4 PAR	Source Four PAR EA or MCM*
S4	Source Four ellipsoidals*

* Suggested lamp size of 375W or 575W for the single phase 4 channel bar based on 16A constant power capacity of most 20A branch breakers.

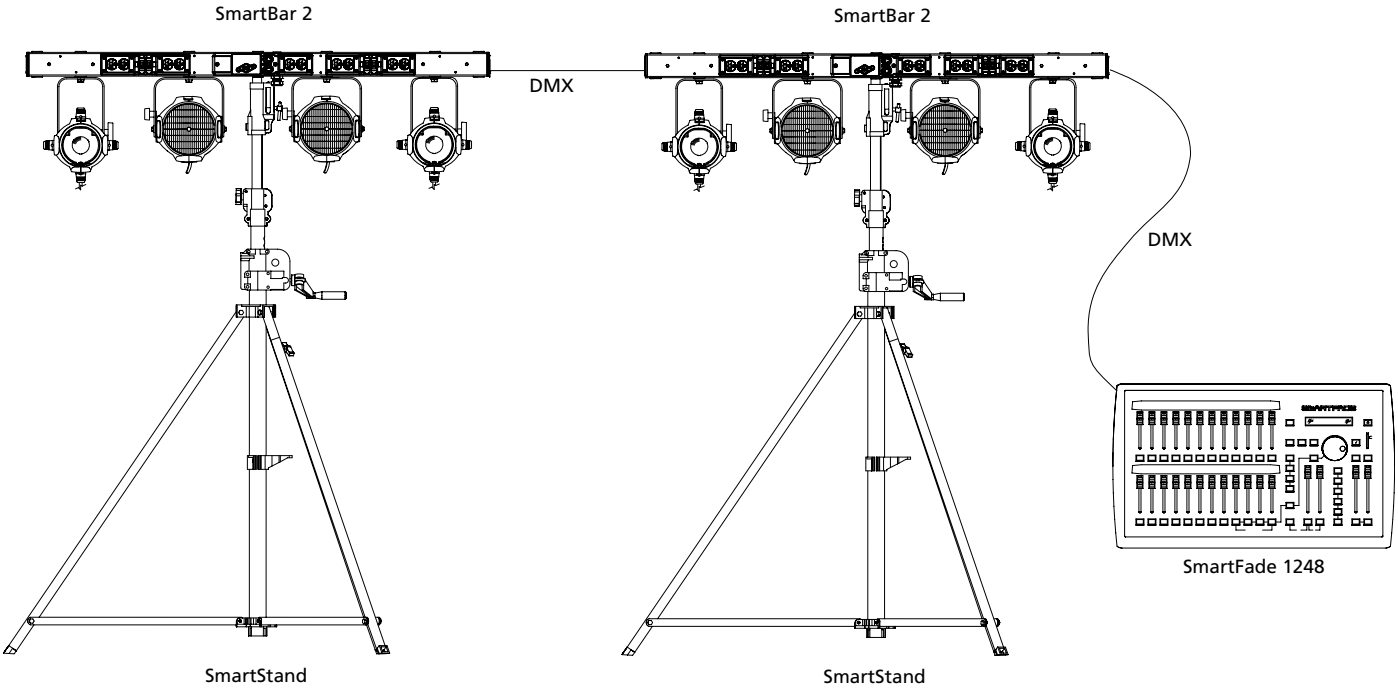
** **If using S4 Mini LED fixtures with SmartBar 2, a minimum of six(6) fixtures and minimum voltage of 35V is recommended for best dimming performance. Please see the S4Mini LED datasheet for more information.**

CONTROL PANEL

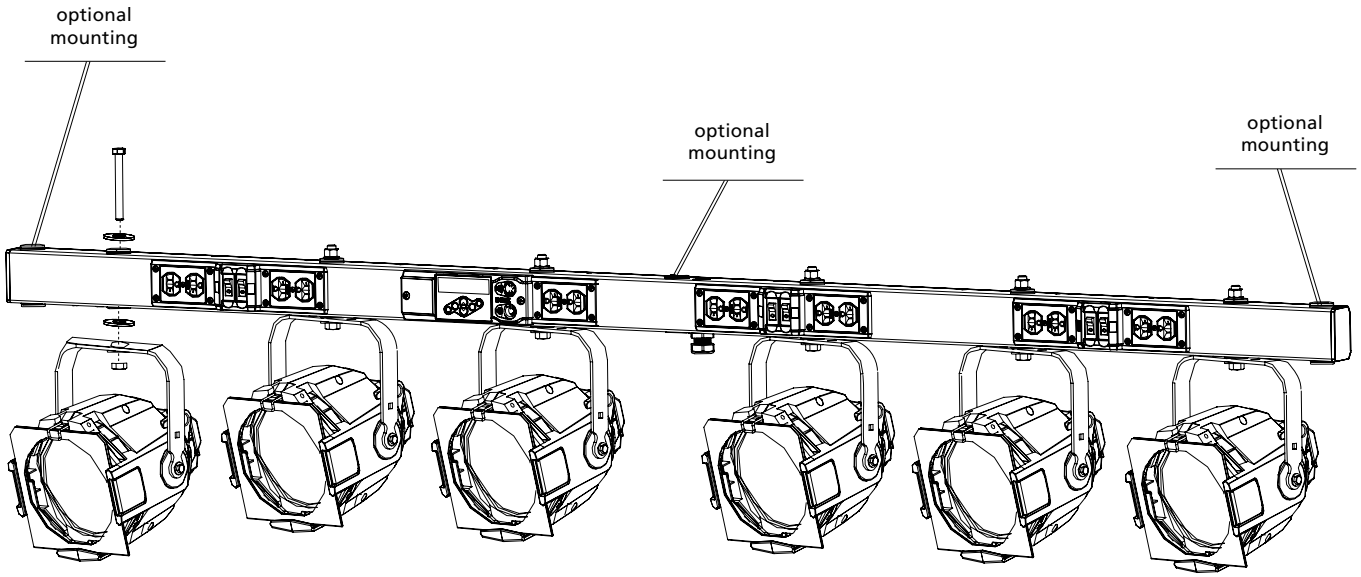


TYPICAL APPLICATIONS

SmartBar 2 on SmartStands



SmartBar 2 with Optional Mounting



PHYSICAL

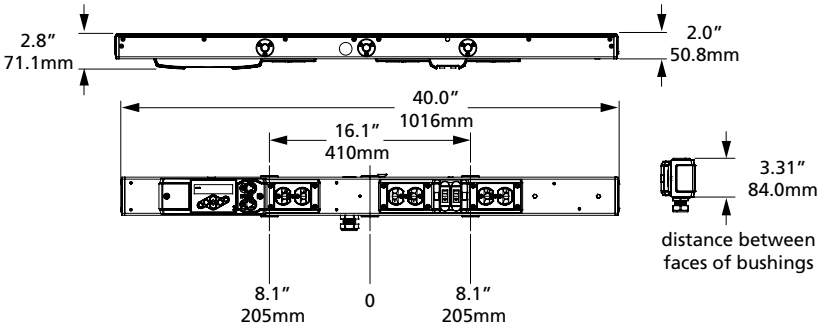
SmartBar 2 Dimensions

MODEL	HEIGHT		WIDTH		LENGTH	
	inches	mm	inches	mm	inches	mm
SB2	3.31	84.0	2.0	50.8	40.0	1016
SB4	3.31	84.0	2.0	50.8	59.7	1516
SB6	3.31	84.0	2.0	50.8	87.3	2216

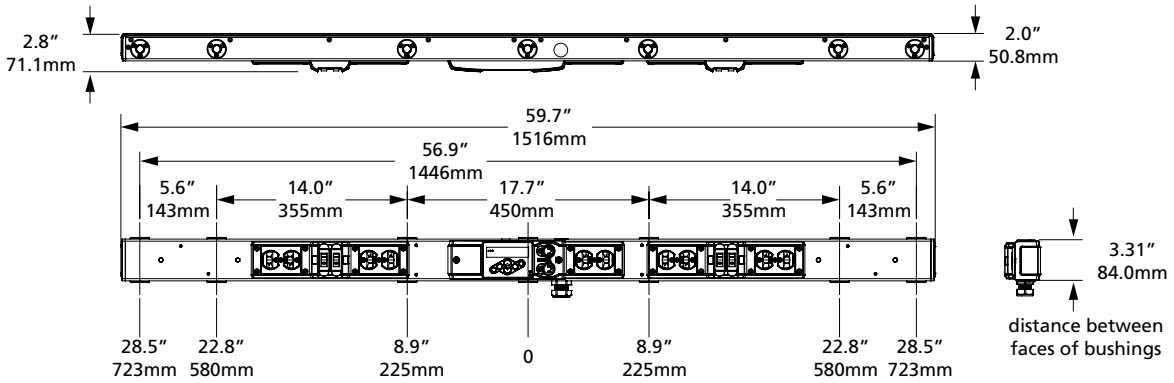
SmartBar 2 Weights

MODEL	WEIGHT		SHIPPING WEIGHT	
	lbs	kgs	lbs	kgs
SB2	14	6.4	19	8.6
SB4	18	8.2	23	10.4
SB6-10	29	13.2	34	15.4

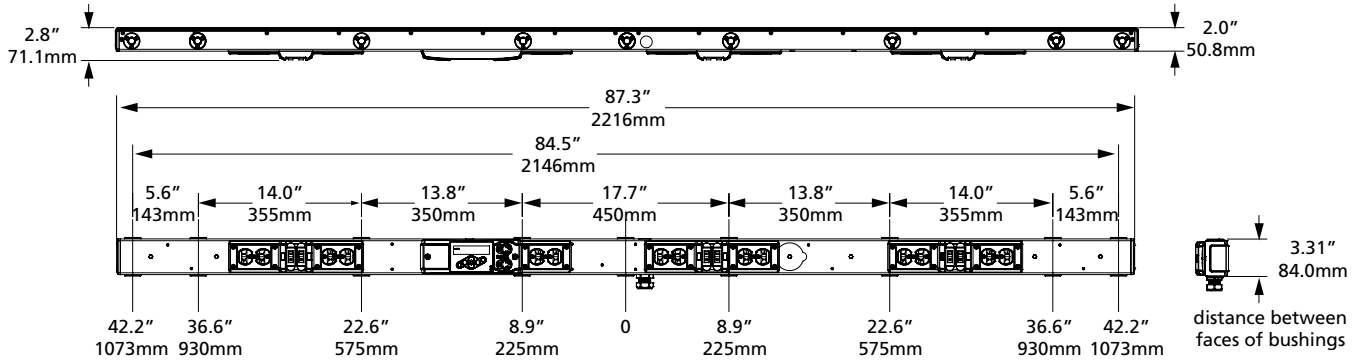
SB2



SB4



SB6



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