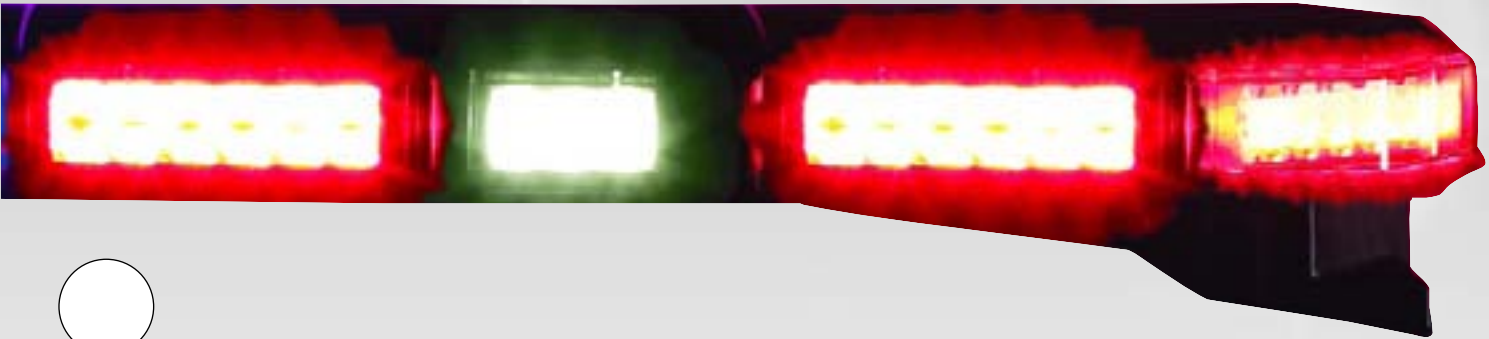




## DEFENDER™



### Design Features

#### Brighter

- Innovative Patented Lighthouse Design
- 2 – 2.5 Times Brighter than any Lightbar at Key 45° and 60° Intersection Angles
- Far Brighter Alley and Takedown Lights than Traditional Halogen or LEDs
- 2 Times Brighter Signal from Rear of the Lightbar

#### Safer

- Advanced Central Control Circuitry
- Improved Control of Signal Brightness—Dimming Mode Meets SAE Safety Standards
- Superior Thermal Management Runs Cooler Than Other Lightbars

#### Smarter

- Universal Lighthouse Design
- New Modular Lens System for Creating Lightbars of Virtually Any Length
- Efficient Inverted Lens Design for Quick Access to Interior
- Black Intermolded Solar Barrier
- 2 Times Stronger Frame
- Patented Gasket Sealing System

### Options

- 2.7" or 5.2" TriCore Lighthoods Available in Red, Blue, Amber, or White
- Red, Blue, or Amber Intermolded Solar Barrier
- TriCore Takedowns and Alleys
- Opticom™ 795H Infrared LED Emitter (E795LP)
- Serial Interface (Available 3rd Quarter 09)
- ArrowStik® Controller shows emulation patterns (CC bars only)

### Specifications

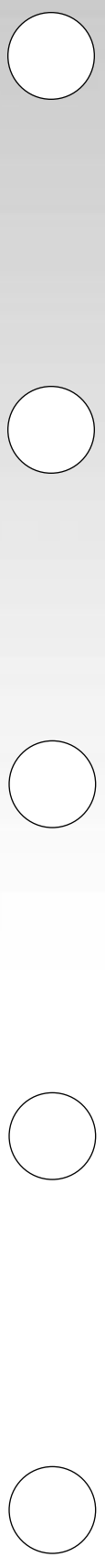
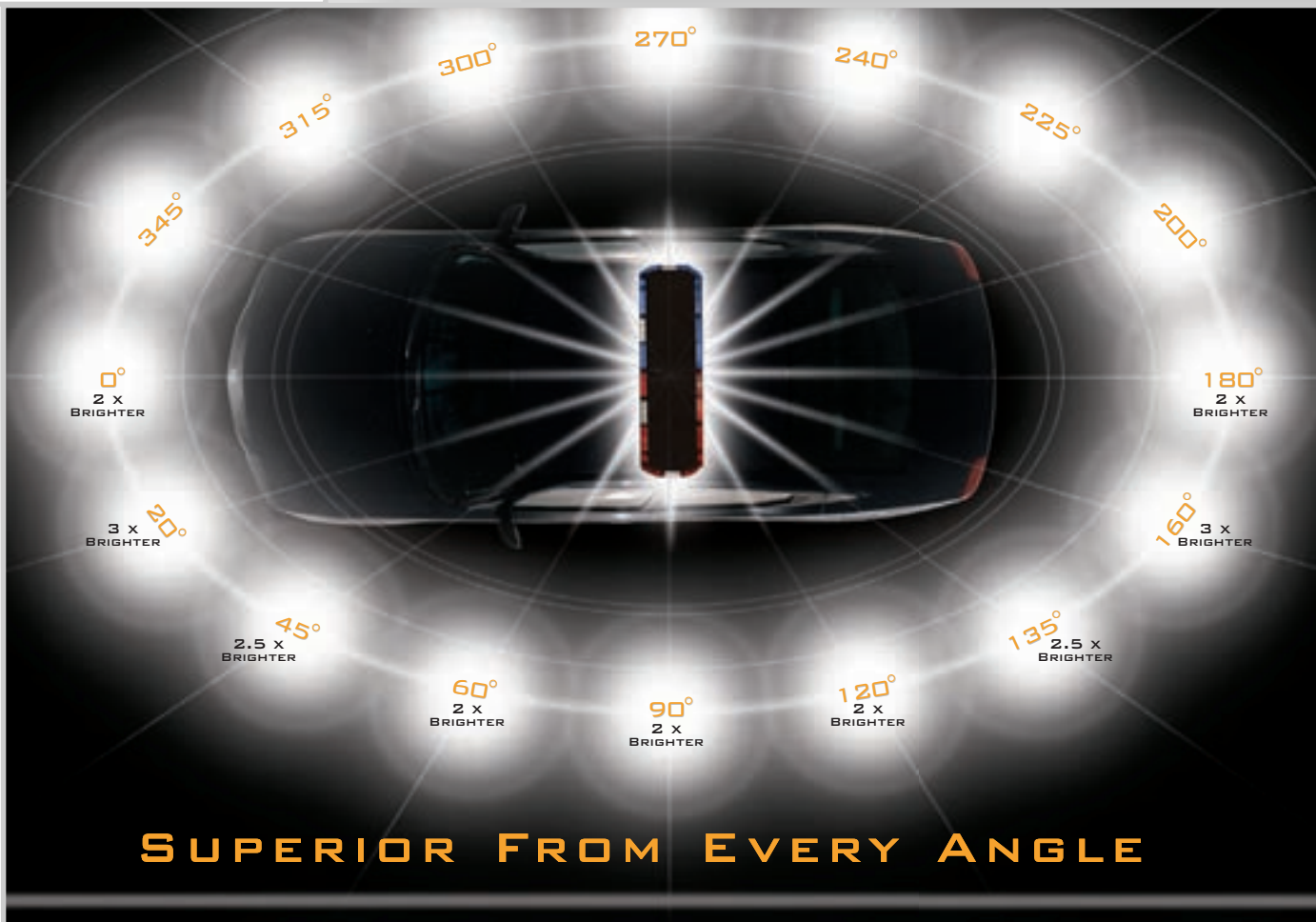
- Standard Lengths: 23" (584 mm), 35" (889 mm), 36" (914 mm), 44" (1118 mm), 47" (1194 mm), 48" (1219 mm), 52" (1321 mm), 58" (1473 mm), 70" (1778 mm), 82" (2083 mm), 94" (2388 mm)
- 13.5" D x 2.25" H (343 x 57mm)
- 5-Year Warranty on TriCore Lighthoods
- 12 Volt
- Meets Applicable SAE J845, NFPA, California Title 13 and ECE65 Specifications when Properly Configured.
- U.S. Patent Nos. 7,153,015 & 7,300,175



**Intermolded Solar Barrier Comes in Black (standard), Blue, Red and Amber**



**DEFENDER™**



**Visibility**

**0°**

Exceptional Lightbar Signal. Clears traffic in any light condition.



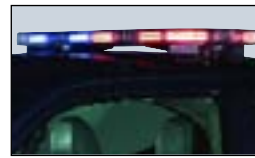
**45°**

Key Intersection Angle. 2.5 times more visible than any other lightbar.



**60°**

2 Times Stronger. Stays bright when other lightbar signals diminish significantly.



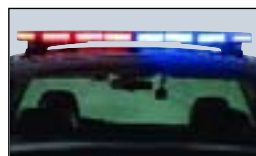
**90°**

2 Times Brighter End signal and monstrously brighter alley lights.



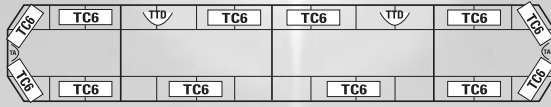
**180°**

2 Times Brighter. Greater distance visibility for the approaching motorist.

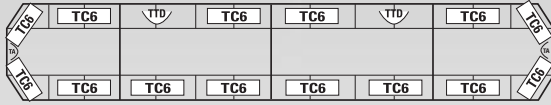


**Standard Configurations**

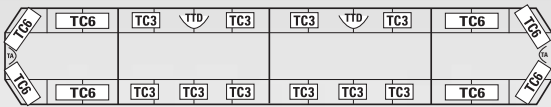
PROD. NO. LENGTH  
DF47A1 47"



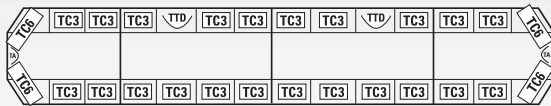
DF47A2 47"



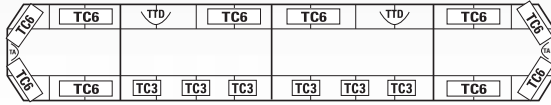
DF47A3 47"



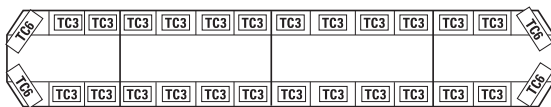
DF47A4 47"



DF47A5 47"



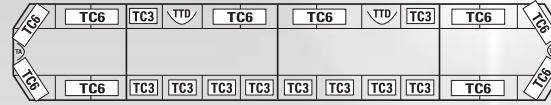
DF47A6 47"



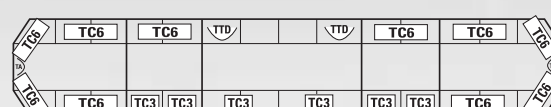
PROD. NO. LENGTH  
DF47A7 47"



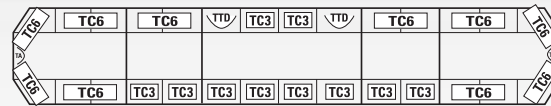
DF47A8 47"



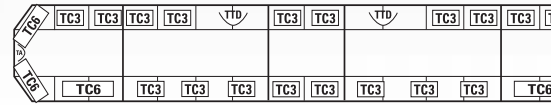
DF48A3 48"



DF48A2 48"



DF52A1 52"



DEFENDER™ LIGHTBAR KEY			
TC3	3 TRICORE™ MODULE	TTD	TRICORE TAKEDOWN/WORKLIGHT
TC6	6 TRICORE MODULE	EA	TRICORE ALLEY
		E795LP	OPTICOM™ 795H EMITTER

**Modularity**

- Modular design allows standard lightbars to be created from three unique lens lengths.
- Modules can be combined to build many lightbar lengths (23", 35", 36", 44", 47", 48", 50", 52", 58", 70", 82", 94").

