



# **Edge<sup>®</sup> 4500 Build-A-Bar<sup>™</sup> Series**



# **WHELEN<sup>®</sup>**



# 4500 Build-A-Bar™ Series

## Combination Super-LED®, Strobe and Halogen flush mounted lightbars

*Flush mounted extrusions are available with or without ICC lights, in lengths starting at 22”.*

*The Build-A-Bar Series can be equipped with your choice of Linear or Super-LED modules, strobe and halogen lighthoods to meet KKK-1822F primary lighting specifications or secondary lighting requirements.*

*Use the Lightbar WeCad™ program available on our Website and it's easier than ever to create a custom lightbar built exactly to your specs.*

- 700 Series Halogen or Linear Strobe, and 700 or 400 Series Linear Super-LED® provides exceptional light output and reliability.
- 4-13/16” high by 5-1/4” deep with a rugged extruded aluminum housing that will not sag or warp. Even lengths in 2” increments from 22” to 90” are available.
- Slide bolt mounting simplifies installation, front mounted lenses and quick mount lighthoods allow easy access to the interior of the bar for quick service or replacement.
- Halogen rotators feature dual ball bearing design, state-of-the-art optics and are backed by a three-year warranty.
- Super-LED modules provide long life performance with low amp draw.
- All LED lighthoods have a five-year warranty.
- Pre-configured interior light packages meet KKK-1822F requirements.
- WeCad™ program allows you to build the exact lightbar you require using easy “drag and drop” software. Graphic representation shows you how your lightbar is configured before you place your order.
- Optional LED ICC lights, amber front or red rear, meet SAE J592 and J2042 requirements.
- Rear center LED clearance light has a third brake light to meet SAE J1957.
- Optional MR Load Light replaces the standard 700 Series Halogen. This high intensity halogen option has one MR16 and one MR11 mounted at specific angles to give superior illumination at both tread plate and loading area.
- Traffic Advisors™ available with six or eight 400 Series Linear-LEDs® and come with a 35 foot cable and control head.
- Wide range of models and options to choose from.

*Choose a pre-configured lightbar or build your own with multiple configuration choices.*



*Whelen Products are Proudly Designed and Manufactured in the U.S.A.*

# An A-La-Carte lightbar with a full menu of options

Start with a heavy-duty aluminum housing in your choice of lengths, then add the lighting options you need with a wide variety of easy to configure modules.

## Module Amp Draws @ 12.8 VDC

(Amp draws are for each individual module)

Model	Amp Draw
700 Strobe	See Power Supply
Corner Strobe	See Power Supply
700 Halogen/Flashing	5 A
700 Linear-LED®	1.5 A
700 Load Lights	4.9 A
400 Linear-LED	1.5 A
Corner Linear-LED	1.5 A
LED ICC Light (end)	25 MA
LED ICC Light (center)	50 MA
LED ICC Light (center 3rd B/B/T)	150 MA
Halogen Rotator	3.5 A

Extruded aluminum Housing



700 Series Linear-LED®



700 Series Halogen



700 Series Load Light (standard)



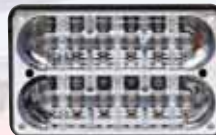
700 Series Linear Strobe



Angled Strobe Corner



Halogen Rotator



400 Series Linear-LED



Angled Linear-LED Corner



GTT Opticom™ Emitter 795H\*



Center LED ICC Lights

End LED ICC Lights



Color Lenses



AMBULANCE

To build your lightbar from this wide range of configurations, see the 4500 Build-A-Bar WeCad™ program at [www.whelen.com](http://www.whelen.com)



It's easy to build your lightbar. Just go to Whelen's website, select automotive, then click on the download button. The WeCad Program will prompt you as to how many and which modules may be used together, along with a price as you go. Or, if you prefer, an experienced sales representative can assist you.

1. Choose the length housing required, front or rear facing.
2. Add ICC light if desired.
3. Choose Linear-LED or 4500 Plus light source.
4. Follow menu prompts to select light module and color options, drag and drop for position.



# HOW TO ORDER

Choose housing shell then pick the internal lighting package or options to fill your requirements



Model 45KRL shown with Model 45TA Traffic Advisor™ upgrade and TADCTL1 control head

## Build-A-Bar Series

Custom lightbars that DO NOT meet KKK-1822F requirements

### 4500 Plus

- 700 Series strobe, halogen or Linear-LED® light modules
- Available in 22, 38, 44, 52, 60, 72, 76, 82, 84, 86, 88 or 90" lengths

45B52	.....	Extruded aluminum housing, 52"
45B52*	.....	Extruded aluminum housing, 52", with center ICC light
45B±±	.....	Extruded aluminum housing, 60, 72, 76, 82,84, 86, 88, or 90"
45B±±*	.....	Extruded aluminum housing, 60, 72, 76, 82, 84, 86, 88, or 90" with LED ICC lights, center and outboard
45ADHAL	.....	Adds one 700 Series halogen lighthouse (Flashing only not for steady burn)
45ADDSTR	.....	Adds one 700 Series linear strobe lighthouse
45ADDAST	.....	Adds one outboard angled linear strobe lighthouse
45ADROTA	.....	Adds one rotator
45ADL8*	.....	Adds one 700 Series Super-LED® lighthouse with internal flasher
45ADL58*	.....	Adds one 700 Series Super-LED lighthouse without internal flasher (Remote flasher customer supplied)
45ALOAD	.....	Adds one pair 700 Series halogen 8-32° angled load lights, (standard)
45MRLOAD	.....	Adds one pair of MR11 and MR16 load light modules in place of 700 Series load lights
45795H	.....	Pre-wired for GTT 795H Opticom™
795H	.....	GTT Opticom™

**NOTE:** 400 Series Linear-LEDs CANNOT be added to this model.  
±± Replace symbols with desired length  
\*Replace with color of LED ICC lights, R=Red, A=Amber  
\*Replace with color of lighthouse, R=Red, A=Amber, B=Blue, C=White

### Linear-LED

- 400 Series Super-LED® light modules
- Available in 52, 60, 72, 76, 82, 84, 86, 88 or 90" lengths

45B52	.....	Extruded aluminum housing, 52"
45B52*	.....	Extruded aluminum housing, 52", with center ICC light
45B±±	.....	Extruded aluminum housing, 60, 72, 76, 82, 84, 86, 88, or 90"
45B±±*	.....	Extruded aluminum housing, 60, 72, 76, 82, 84, 86, 88, or 90" with LED ICC lights, center and outboard
45CL*	.....	Adds one corner Linear-LED module
45FL*	.....	Adds one 400 Series Linear-LED lighthouse
45FLASC	.....	Adds one internal flasher and harness for corner Linear-LED modules
45ALOAD	.....	Adds one pair 700 Series halogen 8-32° angled load lights, (standard)
45MRLOAD	.....	Adds one pair of MR11 and MR16 load light modules in place of 700 Series load lights (optional)
45FLASH	.....	Adds one Internal Flasher and Harness for four 400 Series Linear-LED modules
45795H	.....	Pre-wired for GTT 795H Opticom™
795H	.....	GTT Opticom™

**NOTES:** ONLY 400 Series Linear-LEDs can be added to this Series.  
±± Replace symbols with desired length.  
\*Replace with color of LED ICC lights, R=Red, A=Amber  
\*Replace with color of lighthouse, R=Red, A=Amber, B=Blue, C=White

## Pre-Configured Series

- Pre-configured interior lighting packages listed below meet the requirements of KKK-1822F for front and rear applications
- Available in 76, 82, 84, 86, 88 or 90" lengths

45B±±	.....	Extruded aluminum housing
45B±±*	.....	Extruded aluminum housing with LED ICC lights center and outboard

**NOTE:**\*Replace with color of LED ICC lights, R=Red, A=Amber  
±± Replace symbols with desired length

### 400 Super-LED®

45KFL	.....	Interior front facing Super-LED lighting package to meet KKK-1822F front requirements. Includes: two red corner Linear-LEDs®, two red outboard 400 Series Linear-LEDs, and two clear center 400 Series Linear-LEDs
45KRL	.....	Interior rear facing Super-LED lighting package to meet KKK-1822F rear requirements. Includes: two red corner Linear-LEDs, two red outboard 400 Series Linear-LEDs, two center amber 400 Series Linear-LEDs, and two 700 Series halogen load lights
45TA	.....	Built-in Traffic Advisor™ upgrade option for Super-LED rear facing only. Includes: Control head, 30 ft. control cable, MR11 load lights, and four amber 400 Series Linear-LEDs

**NOTE:** 400 Series Linear-LEDs can be added where space allows.  
Optional MR Load Lights may replace 700 Series halogen Load Lights.

**NOTES:** For Rear Facing Super-LED model 45KRL only.  
For 82" or larger lightbars only.

### Strobe

45KFS	.....	Interior front facing strobe lighting package to meet KKK-1822F front requirements Includes: three 700 Series linear strobes (two red outboards and one clear center)
45KRS	.....	Interior rear facing strobe lighting package to meet KKK-1822F rear requirements. Includes: three 700 Series linear strobes, (two red outboards and one amber center) and two 700 Series halogen load lights

**NOTES:** 700 Series Halogen, Strobe, or Super-LED lighthouses or halogen rotators, can be added where space allows.  
400 Series Linear-LEDs CANNOT be added to this model

### Halogen

45KFH	.....	Interior front facing halogen lighting package to meet KKK-1822F front requirements. Includes: three 700 Series halogens, (two red outboards and one clear center)
45KRH	.....	Interior rear facing halogen lighting package to meet KKK-1822F rear requirements. Includes: three 700 Series halogens, (two red outboards, one amber center) and two 700 Series halogen load lights

**NOTES:** 700 Series halogen, strobe, or Super-LED lighthouses or halogen rotators can be added where space allows.  
400 Series Linear-LED's CANNOT be added to this model.