

STREETHAWK® LIGHTBAR

- The first lightbar with no blind spots and true 360° unobstructed warning power.
- Unique pod design positions the primary lights above the auxiliary lighting functions.
- Provides critical warning power through heavy traffic and intersections.
- Four standard flashing end-lamps (front & rear) sharply define the perimeters of the vehicle, giving the driver an added margin of safety.
- Three basic sizes: 52", 48", 40".



StreetHawk models (from top): SH4004, SH4804, and SH5204

Federal Signal's StreetHawk® is the first lightbar with no blind spots and true 360° unobstructed warning power. All auxiliary lights are positioned in a pod beneath the primary lights, making the StreetHawk lightbar the most effective bar ever built—with 570 direct, unobstructed flashes per minute for maximum protection.

The StreetHawk lightbar was designed to be both effective and affordable with more standard features than any lightbar on the market. Every StreetHawk lightbar comes with: four independent rotators (with oversize reflectors), 55 watt, H1 style halogen bulbs, domes (with textured sunscreen), and mounting kit.

Primary Options

Rotating Lights: Available in 95, 120, or 175 FPM versions. By specifying a diagonal mirror next to a rotator, the flash rate of the rotator is effectively doubled—with no increase in power consumption.

Meteor™ Traffic Clearing Light: Only Federal Signal offers this vertically and horizontally sweeping "M" pattern light that virtually eliminates blind spots.

Oscillating Lights: Federal Signal's DynaRay™ intersection clearing light (SICLF) concentrates warning light and directs it to critical angles. Model SICLF is a pair of DynaRay lights mounted in the outboard corners of the lightbar. Each sweeps out a 120° angle.

Secondary Options

Flashing Lights: Alternating flashing lights are ideal for secondary warning and can add to your primary lighting. Reflectors are designed to spread light "off-axis" for superior directional warning. Flashing lights are controlled by Federal's reliable FA3 electronically timed flasher.

Takedown/Work/Alley Lights:

These are spotlights designed to provide full area illumination to the front (takedown), rear (work light), or side (alley lights) of your vehicle.

Also Available: **Strobe** options that allow you to create strobe/halogen combinations; **Brake/Turn/Tail** lights and **D.O.T. marker strips** that work in conjunction with your vehicle's lights; A **California steady burn** light that meets California Administrative Code "Class B" specifications; and a **100 watt speaker** that meets CHP and AAMVA "Class A" requirements.

Field kits for most options are available for future field upgrades. All internal components of the StreetHawk are readily accessible for bulb or flasher replacement, field upgrades, and maintenance.

You select the colors of the primary domes (driver and passenger sides) and all secondary option lenses. Clear domes allow you to "color customize" your lightbar further by placing colored lens covers (SPL2) over individual rotating and oscillating lights.

PreSelected StreetHawk Models

Model	Diagram	Description
Front ↑ SH4001 SH4801 SH5201		(4) standard rotators, (2) diagonal mirrors (formerly Model No. S)
SH4002 SH4802 SH5202		(2) standard and (2) fast rotators, (2) diagonal mirrors (formerly Model No. SF)
SH4003 SH4803 SH5203		(4) standard rotators, (2) diagonal mirrors, (2) FF, RF, and AL (formerly Model No. S1)
SH4004 SH4804 SH5204		(2) standard and (2) fast rotators, (2) diagonal mirrors, (2) FF, RF, and AL (formerly Model No. S1F)
SH4005 SH4805 SH5205		(4) standard rotators, (2) diagonal mirrors, (2) TD, RF, and AL (formerly Model No. S1B)
SH4006 SH4806 SH5206		(2) standard and (2) fast rotators, (2) diagonal mirrors, (2) TD, RF, and AL (formerly Model No. S1BF)
SH4820 SH5220		(4) standard rotators, (1) 100 watt speaker, (2) TD, RF, AL (formerly Model No. S1BH)
SH4821 SH5221		(4) standard rotators, (1) 100 watt speaker, (2) FF, RF, and AL (formerly Model No. S1H)
SH4830 SH5230		(4) standard rotators, (2) directional strobes, (2) mirrors, (1) 100 watt speaker, (2) RF and AL (formerly Model No. S1DH)
SH4840 SH5240		(2) 360° strobes, (4) mirrors, (2) FF, RF, and AL (formerly Model No. S3)
SH4841 SH5241		(2) 360° strobes, (4) mirrors, (2) TD, RF, and AL (formerly Model No. S3B)
SH4842 SH5242		(2) 360° strobes, (2) standard rotators, (2) mirrors, (2) FF, RF, and AL (formerly Model No. S3R)
SH4843 SH5243		(2) 360° strobes, (4) directional strobes, (4) mirrors, and AL (formerly Model No. S4)

LEGEND

- 95 FPM Rotator
- 175 FPM Rotator
- Takedown Light
- Front Flashing Light
- Rear Flashing Light
- Directional Strobe
- Alley Lights
- Strobe Power Supply
- 360° Strobe
- Diagonal Mirror
- Speaker

Base Models (Specify All Options)

SH4000

SH4800

SH5200

Use diagrams above as a key to option location or to custom design a StreetHawk lightbar.

How To Order:

1. Order a preselect model (as shown on previous page), a black base is standard unless red or white is specified with a "R" or "W" after the model number. Skip to step number 5.

OR

Choose a base model (see chart on previous page), a black base is standard unless red or white is specified with a "R" or "W" after the model number. Specify all options to design your own lightbar.

2. Select factory installed options for primary dome sections and specify their locations.

Maximum of 2 per side (4 per bar):

SROT-A (1) 95 FPM offset rotator

SMED-A (1) 120 FPM rotator

SFAST-A (1) 175 FPM offset rotator

STCLF-A (1) Meteor light

Maximum one set per bar:

SICLF-A (2) DynaRay intersection clearing lights—fast, corner

S360-A (2) 360° strobes and (4) mirrors

Maximum one per side (2 per bar):

SVMIR-A (2) V-mirrors (mounts across from rotator)

SMIR-A (2) diagonal mirrors (mounts between or next to rotators)

3. Select factory installed options for secondary pod sections and specify location.

SFL-A (2) alt. flashing lights

SFL4-A (4) alt. flashing lights

SFTD-A (2) flashing takedown lights

SA-A (2) alley lights

SDA-A (2) directional strobes

SBTT-A (2) Brake/Turn/Tail lights

SCAL-A (1) Cal. steady burn light

SDOT D.O.T. marker strip

STD-A (1) takedown light

SWL-A (1) work light

4. Select factory installed options for center section option package.

SHD-A 100 watt speaker

TS100-A 100 watt speaker

5. Specify dome colors—Red, Blue, CIE Blue, Amber, Clear

—2 Primary Domes installed (driver and passenger sides)

(Black covers supplied for unspecified pods.)

For clear primary domes, colored lenses can be ordered separately for individual rotators. Specify **SPL2** lens cover, one per rotator.

6. Specify mount kit.

UNHK Hook-on mount kit

UNPK Permanent mount kit

SHLSK Level mount

7. Order hook kit for vehicles without gutters (purchase separately, see Price List #1100 SL-8, or call the factory).

StreetHawk All-Light Conversion Kits:

The center grille section of the StreetHawk lightbar models can be converted to an All-Light StreetHawk at any time. Appropriate wiring is included in every unit to make adding options to the center section a snap.



Top view of center section,
replaces grille section of StreetHawk

SHLCDK StreetHawk SHL center section kit; includes center base, dome (specify dome color), channel, mounting hardware. **Note:** Base will be black unless otherwise specified.

CENTER SECTION OPTIONS:

SCICLFK StreetHawk DynaRay™ Intersection Clearing Light Kit; includes (2) fast intersection clearing lights, (2) 55 watt halogen bulbs, and mounting hardware.

SCICLF1K StreetHawk DynaRay Intersection Clearing Light Kit; includes (1) fast intersection clearing light, (1) 55 watt halogen bulb, and mounting hardware.

SCROT2K StreetHawk Rotator/V-mirror Kit; includes (1) 95 FPM rotator, (1) 55 watt halogen bulb, (2) V-mirrors, and mounting hardware.

SCMED2K StreetHawk Rotator/V-mirror Kit; includes (1) 120 FPM rotator, (1) 55 watt halogen bulb, (2) V-mirrors, and mounting hardware.

SCFAST2K StreetHawk Fast Rotator/V-mirror Kit; includes (1) 175 FPM rotator, (1) 55 watt halogen bulb, and mounting hardware.

TCLF2 Traffic Clearing Light Kit; includes (1) traffic clearing light, (1) 50 watt halogen bulb, and mounting hardware.

SPL2-COLOR Rotator Lens Kit; includes (1) lens and mounting hardware (specify color).

SECONDARY OPTIONS FOR CENTER BASE:

SATK StreetHawk Alley/Takedown Kit; includes (2) reflector assemblies, (2) 55 watt halogen bulbs, and mounting hardware.

SFL2K StreetHawk Flashing Kit; includes (2) reflector assemblies, (2) 35 watt halogen bulbs, (1) FA3 flasher, and mounting hardware.

SFL4K StreetHawk Flashing Kit; includes (4) reflector assemblies, (4) 35 watt halogen bulbs, (1) FA3 flasher, and mounting hardware.

SFLK StreetHawk Flood Light Kit; provides flood light capability for any two secondary pod locations on the lightbar. Includes (2) diffused reflector assemblies, (2) 55 watt bulbs, and mounting hardware.

SSL-COLOR StreetHawk Secondary Lens Kit; includes (1) lens, and mounting hardware.

COMPACT SPEAKER:

When converting to an All-Light StreetHawk, be sure to order your compact speaker.

BP100 StreetHawk Compact Speaker Kit; includes (1) 100 watt speaker, hardware. Order mount kit separately, specify vehicle year, make, and model.

StreetHawk Retrofit Kits:

Select the options you need now, and retrofit later! The StreetHawk Lightbar can be retrofitted at any time with a variety of options because appropriate wiring will be included in every unit. This offers you a terrific advantage for upgrading to meet your future needs. Below is a list of option kits you can add later, if not ordered on the original lightbar.

SHD StreetHawk 100 watt Driver Kit; includes driver, cone tip and projector

SHDE StreetHawk 100 watt Driver Kit for compact size lightbar (40"); includes driver, cone tip and projector.

SATK StreetHawk Alley/Takedown Kit; includes (2) reflector assemblies, (2) 55 watt halogen bulbs, mounting hardware.

SFEK StreetHawk Flashing Endlamp Kit; includes (2) reflector assemblies, (2) 35 watt halogen bulbs, mounting hardware. Order flasher separately.

SBTK StreetHawk Brake/Turn/Tail Light Kit; provides brake light, tail light, turn signal capability for the two rear secondary pod locations on lightbar. Includes (2) diffused reflector assemblies, (2) dual filament incandescent bulbs, mounting hardware. Meets SAE J186 specification.

SFLK StreetHawk Floodlight Kit; provides flood light capability for any two secondary pod locations on the lightbar. Includes (2) diffused reflector assemblies, (2) 55 watt bulbs, mounting hardware.

SSK StreetHawk Directional Strobe Kit; provides directional strobe capability for one or two secondary pod locations on the lightbar. Includes (1) J30 strobe power supply, (2) reflector assemblies, (2) strobe bulbs, mounting hardware.

SFK StreetHawk Combination Alternating/Simultaneous Flasher; capable of flashing up to (4) 35 watt halogen bulbs.

TECHNICAL SPECIFICATIONS

Option	Description	Volts	Lamp Type	Candelas	Current Draw	Flash Rate per Minute
SROT-A	Rotating Light	12.8	Halogen, 55W	72,000	4.3 amps	95
SMED-A	Rotating Light	12.8	Halogen, 55W	72,000	4.3 amps	120
SCROT2K	Rotating Light, 2 mirrors	12.8	Halogen, 55W	72,000	4.3 amps	285
SFAST-A	Rotating Light	12.8	Halogen, 55W	72,000	4.3 amps	175
SCFAST2K	Rotating Light, 2 mirrors	12.8	Halogen, 55W	72,000	4.3 amps	525
STCLF-A	Meteor Light	12.8	Halogen, 50W	40,000	3.9 amps	-
SCTCLF-A	2 Meteor Lights	12.8	Halogen, 50W	40,000 ea.	3.9 amps ea.	-
SCICLF1-A	1 DynaRay Light, fast	12.8	Halogen, 55W	72,000	4.3 amps	190
SICLF, SCICLF-K	2 DynaRay Lights, fast	12.8	Halogen, 55W	72,000	4.3 amps	190 ea.
SFL-A	2 Alternating Flashing Lights	12.8	Halogen, 35W	5,580	2.7 amps	90
SFL4-A	4 Alternating Flashing Lights	12.8	Halogen, 35W	5,580 ea.	2.7 amps ea.	90 ea.
SFTD-A	2 Flashing Takedown Lights	12.8	Halogen, 35W	5,580 ea.	2.7 amps ea.	90 ea.
S360-A	360° Primary Strobe	12.8	Strobe	20 joules	7.0 amps	510
SDA-A	2 Directional Strobes	12.8	Strobe	10 joules	7.0 amps	85
SA-A	Alley Light	12.8	Halogen, 50W	9,280	3.9 amps	-
SBTK	Brake/Turn/Tail Lights	12.8	Incand., 28/8W	-	2.1/0.6 amp	-
SCAL-A	Steady Burn Light	12.8	Halogen, 50W	5,580	3.9 amps	-
STD-A, SWL-A	Takedown, Work Light	12.8	Halogen, 50W	9,280	3.9 amps	-

REPLACEMENT PARTS

Alternating Flasher: FA3

Replacement Bulbs:

rotating,

oscillating: 8440A265A-01

SCAL, alley,

takedown,

worklight: 8107A119A

flashing bulbs: 8548A028A

brake/turn/tail

bulb: 8107A095

Replacement Domes, driver or

passenger's side:

Clear: 8559D042C

Red: 8559D042C-01

Amber: 8559D042C-02

Blue: 8559D042C-03

Green: 8559D042C-04

CIE Blue: 8559D042C-05

Replacement Dome, center

section(s):

Clear: 8559182A

Red: 8559182A-01

Amber: 8559182A-02

Blue: 8559182A-03

Green: 8559182A-04

CIE Blue: 8559182A-05

Replacement Secondary Pod Lens:

Clear: SSL-C

Red: SSL-R

Amber: SSL-A

Black: SSL-BK

Blue: SSL-B

CIE Blue: SSL-E

Solid White: 8559D043B-07

Replacement Motors:

95 FPM: 8559A055

120 FPM: 8559A055A-04

175 FPM: 8559A055A-01

DIMENSIONS

Model	Length		Width		Height		Ship. Weight	
	in.	cm.	in.	cm.	in.	cm.	lbs.	kg.
40" models	41.2	104.6	12.8	32.4	7.6	19.3	43.0	19.4
48" models	49.5	125.7	12.8	32.4	7.6	19.3	48.0	21.8
52" models	52.0	132.1	12.8	32.4	7.6	19.3	50.0	22.5

FIELD UPGRADE KITS

SATK	(2) alley, takedown, work lights
SBTK	(2) brake/turn/tail lights
SFEK	(2) alternating flashing lights (requires flasher)
FA3	Flasher for SFEK
SFLK	(2) steady burning California or flood lights
SSK	(2) directional strobe lights
TCL2	"Meteor" light
SICLFK	(2) fast DynaRay intersection clearing lights

APPROVALS

All rotating lights meet Society of Automotive Engineers (SAE) J845 specification.
 All flashing lights meet SAE J595 specification.
 "SCAL" steady burn light meets California Administrative Code Class B specification.
 Brake/Turn/Tail lights meet SAE J186 specification.



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