

FORD

# F-150 RESPONDER

2018-2022









# FRONT

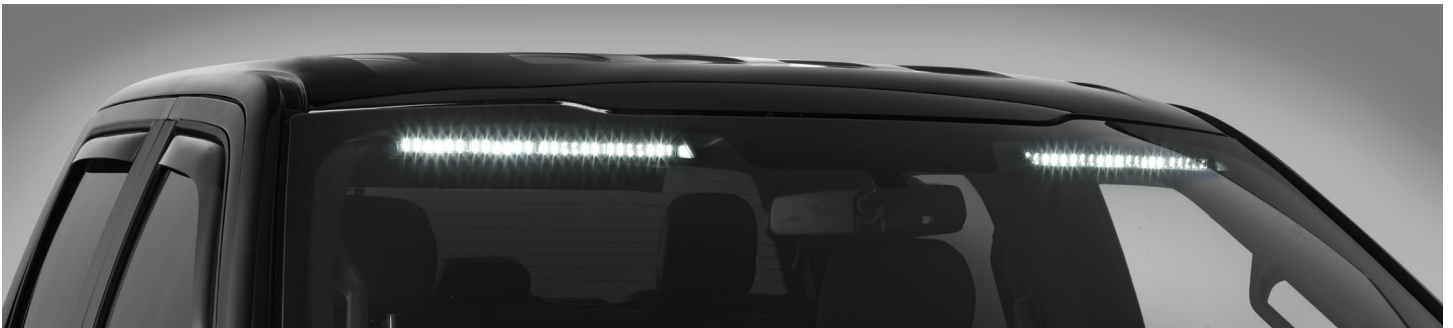
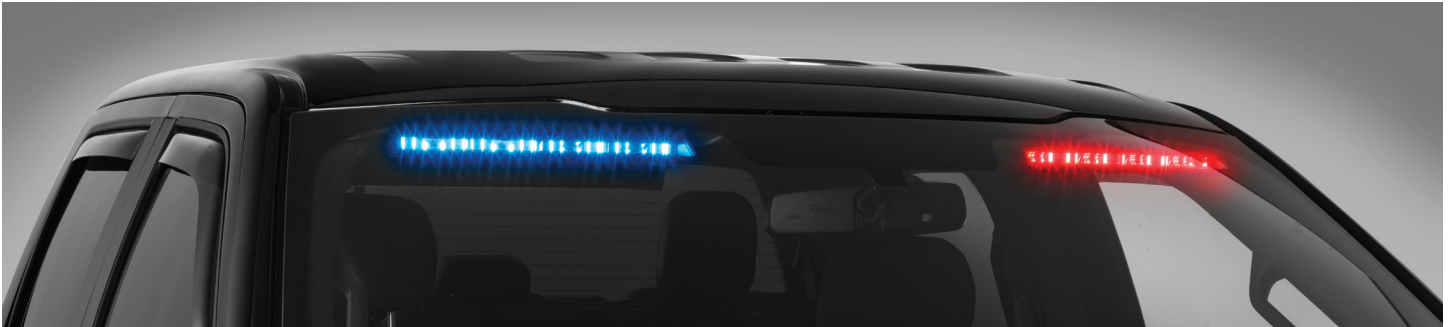
## 1 SpectraLux® ILS Low-Profile

The slim-line, multicolor interior lighting system blends into the headliner of the vehicle making it ideal for undercover applications.

**2 416300 Series** Single or dual-color, flush mount light head.

## 3 4 4 MicroPulse® Ultra

Ultra low-profile design offers a range of mounting options to fit various applications and is available in single, dual, and tri-color models.



**SpectraLux® ILS Low-Profile** provides a tight fit to the front headliner of the vehicle and offers the same advanced warning, takedown, and flood lighting capabilities as a full-size light bar.



**416300 Series** is ideal for mounting in a variety of applications such as tailgates, running boards, push bumpers, grille, side mirrors, and inside of trunk lids and door panels.



**MicroPulse® Ultra** is available in three, different sizes with either (3), (6), (12), (18), (24), or (36) LEDs (Mounted with bracket MPSM12-DL)



# SIDE

## **1 2** MicroPulse® Ultra

Ultra-low-profile design available in single, dual, or tri-color models.

## **3** XStream®

Single or dual-head, triple color interior light with accessory plug or wire leads.

## **4** MicroPulse® Wide Angle

Curved design offers 180° light spread.



**MicroPulse® Wide Angle** utilizes (6), (9), or (12) LEDs and is ideal for mounting on push bumpers, rub rails, side mirrors and spoilers.





**XStream®** models include a light head, suction cups, mounting brackets, and three different length snap-on flash guards, making installation quick and versatile.



**MicroPulse® Ultra's** lens is made of UV resistant polycarbonate to protect against harsh conditions. Models include a fully encapsulated water-proof housing, which provides a barrier against moisture and condensation.







# REAR

## 1 CN SignalMaster™

Multicolor warning light with directional and area lighting capability available in 4- and 8-head models.

## 2 416900Z/416910Z Corner LED

Single-head in-line Corner LED available in single and dual color models.

## 3 MicroPulse® Ultra

Ultra-low-profile design offers a range of mounting options to fit various applications and is available in single, dual, or tri-color models.



**CN SignalMaster™** models feature SpectraLux® technology, which allows a single LED light source to change color while in operation. Front models feature White LEDs that can be used as takedowns or act as an impressive flood light. Rear models feature Amber LEDs that can be used as an “Amber-override” for directional lighting.



**416900Z/416910Z Corner LEDs** can be synchronized to flash simultaneously or alternatively and are suitable for external and internal use.



**MicroPulse® Ultra** light heads can be programmed to operate as a single unit or in synchronization with multiple MicroPulse light heads.



# PATHFINDER, RUMBLER & SPEAKERS



PF200



PF200R



PF200H



PF200S17B



PF200S6



PF200S4

**Pathfinder® Siren and Light Controller is packed with features that puts you in control of your vehicle:**

- 100/200 W siren/light controller
- Dual tone capability
- Integrated Rumbler® intersection clearing capability
- On-Board Diagnostics (OBD) integration
- Programmable timer feature
- Library of selectable siren tones
- Voice message capability
- (7) Programmable inputs and (12) programmable solid-state outputs
- (2) Convergence Network ports
- Convergence Network Configuration software allows for easy customization
- Meets or exceeds SAE, California Title 13, and NFPA requirements

<b>PF200</b>	Siren/Light Controller with Self-contained controls and microphone
<b>PF200R</b>	Siren/Light Controller with Remote surface mount controller and microphone
<b>PF200H</b>	Siren/Light controller with Handheld controller and microphone
<b>PF200S17B</b>	Siren/Light Controller with 17 button surface mount controller and microphone
<b>PF200S4</b>	Siren/Light Controller with 4 button surface mount controller and microphone
<b>PF200S6</b>	Siren/Light Controller with 6 button surface mount controller and microphone





#### Rumbler®

Rumbler traffic clearing system provides low-frequency warning that penetrates solid materials allowing vehicle operators and nearby pedestrians to FEEL the sound waves.

#### RBKIT2

Pair of Rumbler woofer for use with Pathfinder siren



ES100C

#### DynaMax®/ES100C Speaker

- Slim and lightweight, compact 100 W speaker
- Neodymium driver increases performance and reliability
- High-strength composite housing is chemical resistant and maintains rigidity at high temperatures

#### ES100C

Speaker, 100 W, high-output, Class A



AS124

#### AS124

- Economical 100 W speaker
- Neodymium driver delivers superior sound quality
- Durable, composite plastic housing

#### 750501

Speaker, 100 W, high output, Class A

#### 750501V

Speaker, 100 W, high output, Class A, vertical mounting applications



EXPMOD-2

#### Rear Expansion Module

- Provides the ability to flash and blackout OEM brake, tail, turn, and reverse lighting and blackout third break light
- (18) Solid state fully programmable relay outputs, (16 7.5 Amp High 2 20 Amp High)
- Vehicle-specific rear taillight connection wire harnesses sold separately

#### EXPMOD-2

Rear expansion module, (18) solid-state programmable relay inputs, (16) 7.5 A flashing outputs and (2) 20 A control outputs



EXPMOD24

#### 24-Channel Expansion Module

- 24-Channel solid-state relay outputs, 2.5 A Max (active high), 30 A Maximum total
- Potted to help protect from unfavorable weather making it ideal for under the hood mounting
- All weather-proof connections

#### EXPMOD24

24-channel expansion module



51-inch **Valor**® with low-profile hook mount



51-inch **Integrity**® with low-profile hook mount



53-inch **Allegiant**® with low-profile hook mount

# LIGHT BARS

	Valor	Integrity	Allegiant
Recommended lengths for Ford F-150 (inches)	44, 51	44, 51	45, 53
Hook Mounting Options	Standard and Low-Profile	Standard and Low-Profile	Standard and Low-Profile
Non-linear / V-Shape	•		
Low-profile	•	•	•
Dome colors	Clear	Clear	Amber, Black, Blue, Clear, Gray, & Red
LED colors	Amber, Blue, Green, Red, & White	Amber, Blue, Green, Red, & White	Amber, Blue, Green, Red, & White
Solaris® LED Reflectors	•	•	•
ROC (Reliable Onboard Circuitry™)	•	•	•
FS Convergence Network	•	•	•
SpectraLux® Multicolor LED	•	•	•
Two color capability	•	•	•
Three color capability	•	•	



# EXCLUSIVE TECHNOLOGIES



**SOLARIS® LED** reflector technology is engineered to increase off-axis warning and maximize the LED light source



**SLR** (SOLARIS® LED ROTATOR) rotators provide rotating, oscillating, flashing and flood light functionality



**SPECTRALUX®** multicolor LED technology provides the ability for a LED light head to change color while in operation



**FS CONVERGENCE NETWORK** product utilize a serial communication cable to provide “plug-n-play” installation of Federal Signal’s light bars and other warning devices to Federal Signal’s compatible siren amplifiers and controllers, such as our Pathfinder® product family.



**ROC** (RELIABLE ONBOARD CIRCUITRY) technology eliminates approximately 85% of the connection failure points found in a typical light bar



**HOTFOOT®** lighted mounting feet provide additional light through powerful Solaris reflectors that are built into the mounting system of the light bar



**FSLINK®** is a built-in software technology that allows our products to synchronize their flash patterns for a unified vehicle warning solution



**FSJOIN™** is a programming compatibility feature of Federal Signal’s light bars and exterior/interior warning lights that works in conjunction with Pathfinder light/siren controllers. This feature enables the synchronization of functions, operation, and flash patterns of individual light heads from multiple warning devices in order to create a unified vehicle solution. FSJoin further provides the capability to synchronize warning lights on multiple “like-programmed” vehicles in order to unify the optical warning of a multi-vehicle response.



**V-SHAPE LIGHT BAR** is mechanically designed to have a non-linear shape, V-Shape, providing an advantage in terms of off-axis performance compared to light bars with a traditional linear shape. All other variables being equal, the physical V-Shape enables the light bar to deliver more optical warning to critical 45- and 90-degree intersection angles than a linear light bar.



**RUMBLER®** is a low frequency siren that works simultaneously with primary siren tone that penetrates solid materials allowing vehicle operators and nearby pedestrians to feel the sound waves. The Rumbler is particularly effective for Police and Fire/EMS applications when used in dense urban environments with heavy vehicle and pedestrian traffic.



**Q SOUND** is a registered trademark of Federal Signal Corporation, and it provides a distinctive, recognizable long-distance warning tone.

**LIGHT BAR MOUNT****Hook required with hook-on mount**

HKB-FRD15-44-HP	44-, 45-, 46-, and 48-inch light bars, 51- and 53-inch light bars with low-profile foot, Ford F-150 Crew Cab, 2015-2022
HKB-UNH7	44-, 45-, 46-, and 48-inch light bars, 51- and 53-in light bars with low-profile foot, Ford F-150 Single and Extended Cab, 2015-2022
HKB-FRD15-HP	51- and 53-inch light bars with standard height foot, Ford F-150 Crew Cab, 2015-2022
HKB-UNH6	51- and 53-inch light bars with standard height foot, Ford F-150 Single and Crew Cab, 2015-2022

**AUDIBLE WARNING BRACKETS**

ESB2-FRD15ND	No drill bracket kit for mounting (2) ES100C speakers behind the grille utilizing pre-drilled holes of the Ford F-150, 2015-2022, will work with Ecoboost model only, will not fit models with active lower air dam
ESB-U	Multi-vehicle bail bracket, ES100C behind front license plate, non-Ecoboost, Ford-150, 2015-2021
RB-FRD15	Kit, pair of Rumbler mount brackets with hardware, Ford F-150 2015-2022, not including Ecoboost
RB-FRD15E	Kit, pair of Rumbler mount brackets with hardware, Ford F-150 2015-2022, including Ecoboost

**GRILLE BRACKETS**

IPX-GRL14	Pair of grille brackets with hardware, horizontal mount orientation, each bracket holds (1) MPS3U/MPS6U lights, Ford F-150, 2018-2022 (Responder, XL, and XLT models)
-----------	---

**RUNNING BOARD BRACKET**

MPSM6-FRD15RB	(6) Running board brackets, each bracket holds (1) MPS6U light, Ford F-150, 2015-2022 (XL and XLT models)
MPSM6U-FD15UPRB	(6) Upper running board brackets, each bracket holds (1) MPS6U light, Ford F-150 Responder, 2015-2022

**INTERIOR FRONT HEADLINER**

SIFMJS	SpectraLux ILS Low-Profile, 8-head Split Front, Center-focused style, 2015-2022
SIFZJS	SpectraLux ILS Low-Profile, 8-head Split Front, Advanced Off-Axis style, 2015-2022
XSMBKT01	Visor mount kit for use with XSM1/XSM2 lights
XSMBKT03	Multi-vehicle headliner mount bracket for single or dual-head models XStream series
XSMBKT10	Visor mount kit for use with (1) XSM1/XSM2 and (2) cameras (forward and rear facing), Ford F-150, 2015-2022, Ford F-250/350/450/550 Super Duty, 2017-2022

**REAR SIDE WINDOW**

XStream	XSM1/XSM2 models will fit with included mounting brackets
MPS650 or MPS652	MicroPulse 6, (6) LEDs, Split- or dual-color

**INTERIOR REAR HEADLINER**

SLB-FRD15ND	8-head bracket for CNSM or Latitude, no drill, 2015-2022 and Super Duty, 2017-2022
SIFMR	SpectraLux ILS Low-Profile, 8-head Rear Deck, Center-focused style, Ford F-150, 2015-2022
XSMBKT03	Headliner mount bracket for use XSM1/XSM2 lights

**SIDE MIRROR BRACKET**

MPSMW9-FRD21MIR	Pair of side mirror brackets, each bracket holds (1) MPSW9 light, Ford F-150, 2021-2022, will not work with tow mirrors
-----------------	---

**HEADLIGHT / TAILLIGHT**

FHL-CHG	Flasher, Headlight
FHL-TAIL	Flasher, Taillight, universal applications, 18" wire leads

**UNDER TAILGATE**

MicroPulse Ultra	MPS3U and MPS6U will surface mount between tailgate and bumper area
------------------	---

**PUSH BUMPER ACCESSORIES**

MPSU-PB45H	Pair of 45-degree slanted mounts, horizontal light orientation, each bracket holds (1) MPS3U/MPS6U/MPS12U light
MPSU-PB45V	Pair of 45-degree slanted mounts, vertical light orientation, each bracket holds (1) MPS3U/MPS6U/MPS12U light

**PATHFINDER OBDII INTEGRATION**

OBDCABLE6-3	6-ft OBDII interface cable, for use on Ford F-150, 2022
OBDCABLE25-3	25-ft OBDII interface cable, for use on Ford F-150, 2022