



► IMPAXX® | External Mount/Perimeter Lights

FEATURES

- High output LEDs and Solaris® reflector technology.
- Compact size allows for a variety of mount locations.
- Advanced off-axis and center focused lenses available.
- Fully encapsulated weatherproof housing.
- Wide variety of synchronized patterns.
- Available in Red, Blue, White, Amber, and Green LEDs and lenses.
- Variety of mounting brackets available.
- Five-year LED Warranty

APPROVALS

- SAE J595
- CCR Title 13
- NFPA 1901 Compliant models available
- EMI and RFI approved

Highly Effective Warning

IMPAXX lightheads combine Solaris® reflector technology with the most advanced LEDs for the brightest, most efficient auxiliary, compact light available.

IMPAXX can operate independently, synchronize with other IMPAXX, or synchronize with Federal Signal's Viper® EXT or Viper® S2 products. IMPAXX lightheads are programmed with 24 built-in flash patterns. These patterns can be synchronized to flash in the same pattern, flash in a sliding progression or flash in opposite sequence of each other.

Optimized Lighting

IMPAXX lightheads are available with either center focused or off axis lensing. The center focused lens directs the LED light forward making them ideal for front or rear vehicle applications. The advanced off-axis lens provides warning light forward and to both sides, allowing for intersection or side vehicle mounting.

SpectraLux™ and Take Down Capability

IPX6 models feature our SpectraLux multi-color LED capability and are available in single-color models (6-LEDs), two-color models (12-LEDs), or three-color models (18-LEDs). Two-color models or three-color models utilizing White LEDs can be wired to operate the White LEDs in "steady-on" mode in order to provide additional Take Down capability.

Easy Installation

IMPAXX lights come complete with a weatherproof housing, black bezel, and rubber grommet for quick and easy installation. A wide variety of brackets are available for various vehicle types and applications.



SPECIFICATIONS

IPX3

Specifications

Voltage	12.8 VDC
Current Draw	0.7A
Operating temp	-30° C to +65° C

Physical Specifications

	With Bezel	Without Bezel
Length	3.7 in (9.4 cm)	2.9 in (7.4 cm)
Width	1.3 in (3.3 cm)	1.2 in (3.0 cm)
Height	1.65 in (4.2 cm)	1.3 in (3.3 cm)

Ship Weight

1.0 lb (0.45 kg)

IPX6

Specifications

Voltage	12.8 VDC
Current Draw	1A
Operating temp	-30° C to +80° C

Physical Specifications

	With Bezel	Without Bezel
Length	5.5 in (14.0 cm)	4.1 in (10.4 cm)
Width	1.5 in (3.8 cm)	1.4 in (3.6 cm)
Height	2.0 in (4.8 cm)	1.4 in (3.6 cm)

Ship Weight

1.0 lb (0.45 kg)

Patterns and Flash Rates

Flash Pattern	Description	Flash Pattern	Description
1	Off	14	75 FPM Double
2	79 FPM Power Quad*	15	150 FPM Triple
3	150 FPM Single	16	75 FPM Triple
4	151 FPM Single	17	5 Single @ 680 FPM/ 4 Single @ 216 FPM
5	74 FPM Single*	18	4 Single @ 570 FPM/ 3 Single @ 246 FPM
6	75 FPM Single	19	3 Single @ 460 FPM/ 2 Quad @ 75 FPM
7	240 FPM Single	20	Progressive Flash
8	241 FPM Single	21	4 Single @ 154 FPM/ 2 Quad @ 75 FPM
9	240 FPM Double*	22	Random Flash
10	241 FPM Double	23	3 quick flashes, then steady burn
11	150 FPM Double	24	Fed pulse 75
12	151 FPM Double	25	Steady Burn
13	74 FPM Double		

*Conforms to CCR Title 13

IMPAXX Compliance Chart

IMPAXX 3 LED Warning Lights: Smooth Lenses

Color	Lens	SAE J845	SAE J595	CA T13
Red	Red	N/C	Class 2	N/C
Blue	Blue	N/C	Class 2	N/C
Amber	Amber	N/C	Class 2	N/C
Red	Clear	N/C	Class 2	N/C
Blue	Clear	N/C	Class 2	N/C
Amber	Clear	N/C	Class 2	N/C
White	Clear	N/C	Class 2	N/A

IMPAXX 3 LED Warning Lights: Horizontal Fluted Lenses

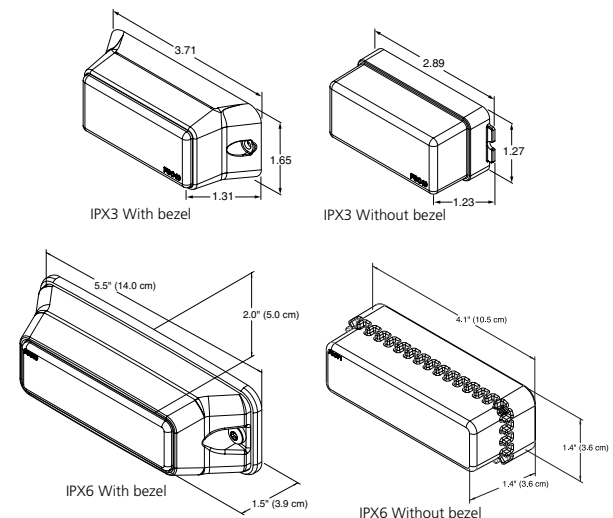
Color	Lens	SAE J845	SAE J595	CA T13
Red	Red	Class 1	Class 1	Class B
Blue	Blue	Class 2	Class 2	Class B
Amber	Amber	Class 2	Class 2	N/C
Red	Clear	Class 1	Class 1	Class B
Blue	Clear	Class 2	Class 2	Class B
Amber	Clear	Class 2	Class 2	N/C
White	Clear	Class 2	Class 2	N/A

IMPAXX 6 LED Warning Lights: Horizontal Fluted Lenses

Color	Lens	SAE J845	SAE J595	CA T13
Red	Red	Class 1	Class 1	Class B
Blue	Blue	Class 2	Class 2	N/C
Amber	Amber	Class 1	Class 1	N/C
Red	Clear	Class 1	Class 1	Class B
Blue	Clear	Class 2	Class 2	Class B
Amber	Clear	Class 1	Class 1	N/C
White	Clear	Class 1	Class 1	N/A

IMPAXX 6 LED Warning Lights: Vertical Fluted Lenses

Color	Lens	SAE J845	SAE J595	CA T13
Red	Red	Class 1	Class 1	Class B
Blue	Blue	Class 2	Class 2	N/C
Amber	Amber	Class 1	Class 1	N/C
Red	Clear	Class 1	Class 1	Class B
Blue	Clear	Class 2	Class 2	N/C
Amber	Clear	Class 1	Class 1	N/C
White	Clear	Class 1	Class 1	N/A



Select Model

IPX3 Models

Model Family	Model #	LED Colors	Lens Color	Lens Prescription	Mounting Orientation
IPX300	IPX300-2	Amber	Clear	Off-axis	Horizontal
	IPX300-3	Blue	Clear	Off-axis	Horizontal
	IPX300-4	Red	Clear	Off-axis	Horizontal
	IPX300-5	White	Clear	Off-axis	Horizontal
	IPX300-6	Green	Clear	Off-axis	Horizontal
IPX302	IPX302-2	Amber	Amber	Off-axis	Horizontal
	IPX302-3	Blue	Blue	Off-axis	Horizontal
	IPX302-4	Red	Red	Off-axis	Horizontal
	IPX302-6	Green	Green	Off-axis	Horizontal

IPX6 Models

Model Family	Model #	LED Colors	Lens Color	Lens Prescription	Mounting Orientation
IPX600B	IPX600B-A	Amber	Clear	Off-axis	Horizontal
	IPX600B-B	Blue	Clear	Off-axis	Horizontal
	IPX600B-R	Red	Clear	Off-axis	Horizontal
	IPX600B-W	White	Clear	Off-axis	Horizontal
	IPX600B-G	Green	Clear	Off-axis	Horizontal
IPX602B	IPX602B-A	Amber	Amber	Off-axis	Horizontal
	IPX602B-B	Blue	Blue	Off-axis	Horizontal
	IPX602B-R	Red	Red	Off-axis	Horizontal
IPX603B	IPX603B-A	Amber	Clear	Off-axis	Vertical
	IPX603B-B	Blue	Clear	Off-axis	Vertical
	IPX603B-R	Red	Clear	Off-axis	Vertical
	IPX603B-W	White	Clear	Off-axis	Vertical
IPX604B	IPX604B-A	Amber	Amber	Off-axis	Vertical
	IPX604B-B	Blue	Blue	Off-axis	Vertical
	IPX604B-R	Red	Red	Off-axis	Vertical
IPX620B	IPX620B-RA	Red/Amber	Clear	Off-axis	Horizontal
	IPX620B-BR	Blue/Red	Clear	Off-axis	Horizontal
	IPX620B-BA	Blue/Amber	Clear	Off-axis	Horizontal
	IPX620B-WA	White/Amber	Clear	Off-axis	Horizontal
	IPX620B-BW	Blue/White	Clear	Off-axis	Horizontal
	IPX620B-RW	Red/White	Clear	Off-axis	Horizontal
IPX623B	IPX623B-BR	Blue/Red	Clear	Off-axis	Vertical
	IPX623B-BW	Blue/White	Clear	Off-axis	Vertical
	IPX623B-RA	Red/Amber	Clear	Off-axis	Vertical
	IPX623B-RW	Red/White	Clear	Off-axis	Vertical
	IPX623B-WA	White/Amber	Clear	Off-axis	Vertical
IPX630B	IPX630B-BRA	Blue/Red/Amber	Clear	Off-axis	Horizontal
	IPX630B-BRW	Blue/Red/White	Clear	Off-axis	Horizontal
IPX633B	IPX633B-BRA	Blue/Red/Amber	Clear	Off-axis	Vertical
	IPX633B-BRW	Blue/Red/White	Clear	Off-axis	Vertical



Two IPX620B-BR mounted with IPX-RSW3 bracket in rear window, on Ford Police Interceptor Utility



IPX620B-BR mounted with IPX-GRL5 bracket in grille, on 2013 Ford Police Interceptor Sedan



IPX312-4 and IPX312-3 mounted with IPX-LPF1 bracket on license plate, on Ford Police Interceptor Sedan



IPX623B-BR mounted with IPX-RSW3 bracket on push-bumper of Chevrolet Tahoe

Optional Accessories



IPXM-1
Chrome bezel for IPX3 models, (sold separately)
Note: Black bezel and mounting grommet is included with every model.



IPX6M-1
Chrome bezel for IPX6 models, (sold separately)
Note: Black bezel and mounting grommet is included with every model.



IPX-GRL1
IMPAXX/Viper EXT, (1) grille brackets with hardware, vertical mount orientation, Ford Crown Victoria Police Package vehicles, '02 - '08



IPX-GRL2
IMPAXX/Viper EXT, (1) grille brackets with hardware, horizontal mount orientation, Ford Crown Victoria Police Package vehicles, '02 - '08



IPX-GRL4
IPX3-only, pair of grille brackets with each bracket holds (2) IPX3 light in a vertical orientation for Chevy Caprice



IPX-GRL5
IPX3/IPX6/VPX8/MPS300/MPS600, pair of grille brackets with hardware, Ford Police Interceptor Sedan, 2013-15



IPX-GRL6
IPX3/IPX6/MPS300/MPS600, pair of grille brackets with hardware, Ford Police Interceptor Utility, 2013-15



IPX-GRL7
IPX3/IPX6/VPX8/MPS3/MPS6, pair of grille bracket with hardware, horizontal mount orientation, Chevrolet Tahoe, 2015



IPX-LPV1
IMPAXX/Viper EXT, flat surface license plate mount, various vehicles without recessed plate mounting locations



IPX-LPVX1
IMPAXX/Viper EXT, extended license plate bracket for vehicles with a recessed license plate mount location including but not limited to the '02 - '08 Ford Crown Victoria Police Package



IPX-LPH1
IMPAXX/Viper EXT, generic high side license plate holder with horizontal mount tab on each side, fits most vehicles



IPX-LPF1
IMPAXX only, generic low side license plate holder for horizontal IMPAXX install, most vehicles



IPX-TRNK4
IPX3/IPX6/VPX8/MPS300/MPS600, pair of inner trunk lid brackets with hardware, Ford Police Interceptor Sedan, 2013-15



IPX-PB45H
IMPAXX/Viper EXT, pair of 45-degree slanted push bumper mounts with hardware, horizontal light orientation, fits most push bumpers



IPX-PB45V
IMPAXX/Viper EXT, pair of 45-degree slanted push bumper mounts with hardware, vertical light orientation, fits most push bumpers



IPX6-HL1
IPX6, pair of headliner mount brackets, each holds (1) IPX6 light, Ford Police Interceptor Sedan, 2013-15



IPX-SW1
IMPAXX/Viper EXT, pair of rear side window mount brackets, '02 - '08 Ford Crown Victoria Police Package vehicles



VPX-SW
VPX8/IPX6, pair of rear side window mount brackets, each bracket hold (2) Viper EXT lights with cover, late model Ford Crown Victoria Police Package vehicles



IPX-RDW2
Pair of Brackets and Covers for installing two IPX3, IPX6, or VPX8 in each Rear Side Window of the Chevy Caprice



IPX-ROW1
Pair of brackets for installing a single IPX3 or IPX6 lighthouse in each Rear Side "Opera" Window of the Chevy Caprice



IPX-RSW1
Pair of brackets/covers for mounting a IPX3, IPX6, or VPX8 light in Rear Side Window of 2011 Dodge Charger



IPX-RSW2
Pair of Brackets and Covers for installing a single IPX3 or IPX6 or VPX8 lighthouse in each Rear Side Window of the Chevy Caprice



IPX-RSW3
IPX3/IPX6/VPX8, pair of rear side window mount brackets, Ford Police Interceptor Utility, 2013-15



IPX-PBL1
IPX3/IPX6/VPX8, pair, universal L-bracket, horizontal orientation



IPXM6-SPACRKT
Kit of four 5-degree rubber mounting wedges for use with IPX6 lights without bezel



IPXM6B-SPACRKT
Kit of four 5-degree rubber mounting wedges for use with IPX6 lights with bezel