

ION™ Series



Super-LED® Lighthead

Compact and versatile, Whelen's ION Series lightheades are designed to be utilized in a multitude of applications with numerous mounting options. ION V-Series™ lightheades are available in three-in-one combination or in single color warning models. All new ION DUO™ and TRIO™ lightheades have been re-engineered with linear optics.

ION Family Features

- Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- Synchronize to other Whelen sync products
- Go undercover with all new, SAE Class 1 Certified Smoked lenses
- Five year warranty



FEATURES

ION Series

- Single or split color models
- TIR directional or wide-angle light spread models
- Available in universal or surface mount
- Universal mount models include combination permanent/pedestal, clip, edge mounts, and double sided tape, with a Black housing
- Universal mount options include bail/swivel bracket in Black, rubber grommet, and pedestal mount in Black
- Surface mount models includes Black flange
- Single color models have 25 Scan-Lock™ flash patterns
- Split color models have 69 Scan-Lock flash patterns
- 0.40 amps average at 12.8 VDC
- Supplied with 10" 4-wire pigtail
- SAE Class 1 Certified
- Wide-angle surface mount lighthouse, meets NFPA 1901 and KKK-1822F requirements
- Size, Universal Mount: 1" (25mm) H x 1-1/4" (32mm) D x 4" (101mm) L
- Size, Surface Mount: 1-11/16" (43mm) H x 1-1/8" (28mm) D x 5-15/16" (150mm) L



WIONJ
Universal mount



IONB
Universal mount



ION
Smoked lens



IONSMA
Surface mount

MODELS

Universal	
ION*	Red, Blue, Amber, or White
ION#	Split, Amber/Blue, Amber/White, Blue/Red, or White/Red, Clear lens
XON*	Red, Blue, Amber, or White, Smoked lens
XON#	Split, Amber/Blue, Amber/White, Blue/Red, or White/Red, Smoked lens

Surface	
IONSM*	Red, Blue, Amber, or White
IONSM#	Split, Amber/Blue, Amber/White, Blue/Red, or White/Red, Clear lens
XONSM*	Red, Blue, Amber, or White, Smoked lens
XONSM#	Split Amber/Blue, Amber/White, Blue/Red, or White/Red, Smoked lens

Wide-Angle Universal	
WION*	Red, Blue, Amber, or White
WION#	Split, Amber/Blue, Amber/White, Blue/Red, or White/Red, Clear lens
WXON*	Red, Blue, Amber, or White, Smoked lens
WXON#	Split, Amber/Blue, Amber/White, Blue/Red, or White/Red, Smoked lens

Wide-Angle Surface	
WIONSM*	Red, Blue, Amber, or White
WIONSM#	Split, Amber/Blue, Amber/White, Blue/Red, or White/Red, Clear lens
WXONSM*	Red, Blue, Amber, or White, Smoked lens
WXONSM#	Split, Amber/Blue, Blue/Red, or White/Red, Smoked lens



Replace symbol * in model number with letter indicating color desired: A = Amber, B = Blue, C = White, R = Red
Replace # symbol in model number with letter indicating split color desired: D=Red/White, E=Blue/White, F=Amber/White, J=Red/Blue, K=Red/Amber, M=Blue/Amber
For White or Chrome housings, contact factory.

FEATURES

ION DUO & TRIO Series

- Available with DUO (two color interleaved) or TRIO (three color interleaved) technology and new Linear-LED® optics
- Available in Red, Blue, Amber, and White combinations
- Universal mount models include combination permanent/pedestal, clip, edge mounts, and double-sided tape, with a Black housing
- Surface mount models include Black flange
- SAE Class 1 Certified
- Size, Universal Mount: 1" (25mm) H x 1-1/4" (32mm) D x 4" (101mm) L
- Size, Surface Mount: 1-11/16" (43mm) H x 1-1/8" (28mm) D x 5-15/16" (150mm) L

ION DUO

- Supplied with a 10" 5-wire pigtail
- Independent control of color one and color two
- 64 Scan-Lock™ flash patterns

ION TRIO

- Supplied with a 10" 6-wire pigtail
- Choose from any combination of color one, color two, and/or color three
- Color three has steady-burn override feature
- 25 Scan-Lock flash patterns

MODELS

DUO Universal	
I2J	Blue/Red
I2F	Amber/White
I2E	Blue/White
I2D	Red/White
I2M	Blue/Amber
XI2J	Blue/Red, Smoked lens
XI2F	Amber/White, Smoked lens
XI2E	Blue/White, Smoked lens
XI2D	Red/White, Smoked lens
XI2M	Blue/Amber, Smoked lens

DUO Surface	
I2SMJ	Blue/Red
I2SMF	Amber/White
I2SME	Blue/White
I2SMD	Red/White
I2SMM	Blue/Amber
XI2SMJ	Blue/Red, Smoked lens
XI2SMF	Amber/White, Smoked lens
XI2SME	Blue/White, Smoked lens
XI2SMD	Red/White, Smoked lens
XI2SMM	Blue/Amber, Smoked lens

TRIO Universal	
I3JC	Red/Blue/White, White override
I3JA	Red/Blue/Amber, Amber override
I3KC	Red/Amber/White, White override
I3MC	Blue/Amber/White, White override
XI3JC	Red/Blue/White, White override, Smoked lens
XI3JA	Red/Blue/Amber, Amber override, Smoked lens
XI3KC	Red/Amber/White, White override, Smoked lens
XI3MC	Blue/Amber/White, White override, Smoked lens

TRIO Surface	
I3SMJC	Red/Blue/White, White override
I3SMJA	Red/Blue/Amber, Amber override
I3SMKC	Red/Amber/White, White override
I3SMMC	Blue/Amber/White, White override
XI3SMJC	Red/Blue/White, White override, Smoked lens
XI3SMJA	Red/Blue/Amber, Amber override, Smoked lens
XI3SMKC	Red/Amber/White, White override, Smoked lens
XI3SMMC	Blue/Amber/White, White override, Smoked lens



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Replace # symbol in model number with letter indicating split color desired:

D=Red/White, E=Blue/White, F=Amber/White, J=Red/Blue, K=Red/Amber, M=Blue/Amber
For White or Chrome housings, contact factory.

ION V-Series

- Combination models have 180° wide-angle warning, illumination, and puddle light
- Single color models have combination 180° and TIR directional warning
- Available in universal or surface mount
- Universal mount models include combination permanent/pedestal mount, clip, edge mounts, and double-sided tape. Options include bail/swivel bracket in Black or White, pedestal mount in Black or Chrome, and rubber grommet
- Surface mount models include flange, available in Black or Chrome
- Warning segment has 25 Scan-Lock™ flash patterns
- Warning segment available in Red, Amber, Blue, or White
- Six inch pigtail with sync wire allows up to eight lightheades to be synchronized together for the warning segment of the lighthead
- Combination model: Amp draw @ 12 VDC, Warning lights: 0.765/A, Alley lights: 0.31/A, Puddle lights: 0.12/A
- Single color warning model: Amp draw: @ 12 VDC, Warning lights: 1.147/A
- SAE Class 1 Certified
- Size, Universal Mount: 1" (25mm) H x 2-3/16" (56mm) D x 4-1/16" (104mm) L
- Size, Surface Mount: 1-11/16" (43mm) H x 2" (50mm) D x 5-15/16" (150mm) L



IONV3R

IONV3B
Universal mount

Surface mount IONSV3C

MODELS NEW

V-Series Universal		
IONV3*	Combination, Red, Blue, Amber, or White	Black
IONV1*	Single Color, Red, Blue, Amber, or White	Black
XONV3*	Combination, Red, Blue, Amber, or White, Smoked lens	Black
XONV1*	Single Color, Red, Blue, Amber, or White, Smoked lens	Black
V-Series Surface		
IONSV3*	Combination, Red, Blue, Amber, or White	Black
IONSV3*C		Chrome
IONSV1*	Single Color, Red, Blue, Amber, or White	Black
IONSV1*C		Chrome
XONSV3*	Combination, Red, Blue, Amber, or White, Smoked lens	Black
XONSV1*	Single Color, Red, Blue, Amber, or White, Smoked lens	Black

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ION SERIES OPTIONS

IONK1B	Swivel mount bracket, Black	
IONGROM	Grommet mount kit, Black	
IONPEDB	Pedestal mount kit, Black	
IONBKT1	Universal license plate bracket, horizontal mount, Black	For 2 ION Series lightheades, not for use with ION V-Series
IONBKT2	2013-2016 Ford Police Interceptor Utility, rear hatch mounting brackets (pair), Black	Requires 6 ION Series lightheades, purchased separately
IONBKT4		Requires 2 ION Series lightheades, purchased separately
IONBKT5	Universal mount, reversed. Remove screws without removing the light	
IONBKT6	2015-2016 Chevy Tahoe, rear hatch mounting brackets (pair), Black	Requires 2 ION Series lightheades, purchased separately
IONBKT7	NEW 2015-2016 Chevy Tahoe, grille mount bracket	Requires 2 ION Series lightheades, purchased separately



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