



ION™ Series™

LIGHTHEADS

Engineered for optimal durability and versatility, the ultra compact ION Series provides high intensity warning or illumination. Models are available in a variety of sizes, optics, and configurations for every application.



FEATURES

- 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 or White housing
- Universal mount options include bail/swivel bracket in Black or White, rubber grommet, and pedestal mount in Black or White
- Surface mount models include flange, available in Black, White, or Chrome
- Single color models have 25 Scan-Lock flash patterns
- Split color models have 69 Scan-Lock flash patterns
- Supplied with 10" 4-wire pigtail

SPECS

Voltage: 12 VDC
AMP: 0.40 amps (average)
Certifications: SAE Class 1 Certified (smoked or colored domes), Wide-angle surface mount lighthead meets NFPA 1901, KKK 1822F requirements
Dimensions: Universal mount size: 4" (101mm) L x 1" (25mm) H x 1.25" (32mm) D
Surface mount size: 5.94" (150mm) L x 1.69" (43mm) H x 1.13" (28mm) D
Warranty: 10-year warranty

ION SERIES

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

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

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

Wide-Angle Surface Mount	
WIONSM*	Red, Blue, Amber, or White
WIONSM#	Split, Amber/Blue, Amber/White, Blue/Red, or White/Red only, Clear lens
WXONSM*	Red, Blue, Amber, or White, Smoked lens
WXONSM#	Split, Amber/Blue, Blue/Red, or White/Red only, 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, F=Amber/White, J=Red/Blue, K=Red/Amber, M=Blue/Amber. For White or Chrome housings, contact factory.

WARNING: This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit whelen.com/regulatory.

ION™ T-Series™

LIGHTHEADS

The ION T-Series features advanced Linear Super-LED® optics in a sleek and low profile design, with a diameter of only .5”.



FEATURES

- Available with SOLO™ or DUO™ (two color interleaved) technology and Linear Super-LED optics
- Available in Amber, Blue, Red, and/or White
- SOLO models are available in single or split colors
- SOLO single color models have 25 Scan-Lock™ flash patterns, split color models have 69
- DUO models have 33 Scan-Lock flash patterns
- Easily surface mounts with two screws
- Includes Black flange and a 4-wire 6” (152mm) pigtail

SPECS

Voltage: 12 VDC
AMP: SOLO: 0.33 amps (average),
DUO: 0.28 amps (average)
Dimensions: 5.14” (13.06cm) L x 1.50” (3.81cm) H x
.50” (1.27cm) D


MODELS

Clear Lens	
TLI*	Amber, Blue, Red, or White
TLI#	Split Amber/Blue, Amber/White, Blue/White, Red/Blue or Red/White Only
TLI2#	DUO Amber/Blue, Amber/White, Blue/White, Red/Blue or Red/White Only

Smoked Lens	
TLI*X	Amber, Blue, Red, or White
TLI#X	Split Amber/Blue, Amber/White, Blue/White, Red/Blue or Red/White Only
TLI2#X	DUO Amber/Blue, Amber/White, Blue/White, Red/Blue or Red/White Only



Replace * symbol in model number with color desired: **A**=Amber, **B**=Blue, **C**= White, **R**=Red
Replace # symbol in model number with split or DUO color desired: **D**=Red/White, **E**=Blue/White,
F=Amber/White, **J**=Red/Blue, **M**=Blue/Amber

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ION™ DUO™ TRIO™

LIGHTHEADS

ION DUO and TRIO lightheads feature two color or three color interleaved LEDs and advanced Linear Super-LED optics

FEATURES

- Available in Red, Blue, Amber, and White combinations
- Available in universal or surface mount
- Universal mount includes combination permanent/pedestal, clip, edge mounts, double-sided tape, with a Black or White housing
- Surface mount models include flange, available in Black, White, or Chrome

ION TRIO SERIES

- Supplied with a 10" 6-wire pigtail
- Choose from any combination of color one, color two, and/or color three
- Color three features steady-burn override
- 25 Scan-Lock flash patterns
- Amp draw (each color) 0.40 amps (avg)

ION DUO SERIES

- Supplied with a 10" 5-wire pigtail
- Independent control of color one and color two
- 64 Scan-Lock flash patterns
- Amp draw (each color) 0.28 amps (avg)

SPECS

Dimensions: Universal mount size: 4" (101mm) L x 1" (25mm) H x 1.25" (32mm) D
Surface mount size: 5.94" (150mm) L x 1.69" (43mm) H x 2" (50MM) D



MODELS

DUO Universal Mount

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 Mount

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 Mount

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

TRIO Surface Mount

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



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ION™ V-Series

LIGHTHEADS

Utilizing multiple planes of light in one lighthouse, the ION V-Series is available in three-in-one combination or single color warning models.

FEATURES

- 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, White, or Chrome
- Warning segment has 25 Scan-Lock™ flash patterns
- Warning segment available in Red, Amber, Blue, or White
- 6" pigtail with sync wire allows up to eight lighthouses to be synchronized together for the warning segment of the lighthouse

SPECS

VDC:	12
Amp draw:	Combination model - Warning lights 0.76 amps (avg), Alley lights 0.31 amps (average), Puddle lights 0.12 amps (average) Single color warning model - 1.147 amps (average)
Dimensions:	Universal mount size: 4.06" (101mm) L x 1" (25mm) H x 2.19 (56mm) D Surface mount size: 5.94" (150mm) L x 1.69" (43mm) H x 2" (50MM) D



SURFACE MOUNT IONSV3C



IONV3B



IONV3R

MODELS

V-Series Universal Mount		Housing
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 Mount		Housing
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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OPTIONS

ION Series

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 lighthouses, not for use with ION V-Series
IONBKT4	2013-2019 Ford Police Interceptor Utility, rear hatch mounting brackets (pair), Black. Requires 2 ION Series lighthouses, purchased separately
IONBKT5	Universal mount, reversed. Remove screws without removing the light
IONBKT6	2015-2019 Chevy Tahoe, rear hatch mounting brackets (pair), Black. Requires 2 ION Series lighthouses, purchased separately
IONBKT7	2015-2019 Chevy Tahoe, grille mount bracket. Requires 2 ION Series lighthouses, purchased separately

ION T-Series™

TIONFC	T-Series Chrome Flange
TIONBKT1	T-Series "L" mounting bracket for 1 lighthouse
TIONBKT2	T-Series Universal license plate bracket for 2 lighthouses
TIONBKT3	T-Series "L" mounting bracket for 2 lighthouses
TIONBKT4	T-Series Universal over/under "L" mounting bracket for 2 lighthouses

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