ION™ Series

Super-LED® 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.

ION Family Features

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

ION

WIONJ
Universal mount

IONSMA
Surface mount

IONB
Universal mount

ION
Smoked lens

ION

Designed to mount in many applications, ION Series lightheads are available in directional or wide-angle models.

• 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
• Wide-angle surface mount lighthead meets NFPA 1901, KKK1822F requirements
• Amp draw: 0.40 amps (avg)
• Universal mount size : 1" (25mm) H x 1.25" (32mm) D x 4" (101mm) L
• Surface mount size: 1.69" (43mm) H x 1.13" (28mm) D x 5.94" (150mm) L

ION MODELS

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

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

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 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.

NEW ION™ T-Series™

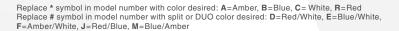The ION T-Series features advanced Linear Super-LED® optics in a sleek and low profile design, with a diameter of only .5".

- 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
- 12 VDC
- Amp draw:
  - SOLO - 0.33 amps (avg)
  - DUO - 0.28 amps (avg)
- Size: 1.50" (3.81cm) H, .50" (1.27cm) D, 5.14" (13.06cm) L

SOLO — TLIA with optional Chrome flange

DUO — TLI2J

Side View

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
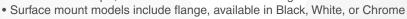
ION™ DUO™ TRIO™ Features

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

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

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)

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)

I2SMF

I3JC

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

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, M=Blue/Amber
For White or Chrome housings, contact factory.

ION™ V-Series™

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

IONV3R

- 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 lightheads to be synchronized together for the warning segment of the lighthead
- 12 VDC
- Amp draw:
  - Combination model - Warning lights 0.76 amps (avg), Alley lights 0.31 amps (avg), Puddle lights 0.12 amps (avg)
  - Single color warning model - 1.147 amps (avg)
- Universal mount size: 1" (25mm) H x 2.19" (56mm) D x 4.06" (104mm) L
- Surface mount size: 1.69" (43mm) H x 2" (50mm) D x 5.94" (150mm) L

IONV3B
Universal mount

Surface mount IONSV3C

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

Replace symbol * in model number with letter indicating color desired:
A = Amber, B = Blue, C = White, R = Red, for White housings, contact factory.

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 lightheads, not for use with ION V-Series
IONBKT2	2013-2016 Ford Police Interceptor Utility, rear hatch mounting brackets (pair), Black. Requires 6 ION Series lightheads, purchased separately
IONBKT4	2013-2016 Ford Police Interceptor Utility, rear hatch mounting brackets (pair), Black. Requires 2 ION Series lightheads, purchased separately
IONBKT5	Universal mount, reversed. Remove screws without removing the light
IONBKT6	2015-2018 Chevy Tahoe, rear hatch mounting brackets (pair), Black. Requires 2 ION Series lightheads, purchased separately
IONBKT7	2015-2018 Chevy Tahoe, grille mount bracket. Requires 2 ION Series lightheads, purchased separately

ION T-Series™

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

WHELEN®
OFFICIAL WARNING LIGHTS
NASCAR

All products proudly designed, manufactured, and assembled in the U.S.A.
• ISO 9001 Registered QMS