M SERIES™

SURFACE MOUNT SUPER-LED® LIGHTHEADS

With a unique lens shape and patented Linear-LED® designed reflector assembly, M Series lightheads are completely illuminated for unmatched high-intensity warning and low current consumption.

M9

M9 EZ Scene

M7

M6

M4

M2 Linear

FEATURES

- SAE Class 1 Certified (warning)
- Single- or split-colors available
- Clear or Color lenses available
- Choose from multiple Scan-Lock™ flash patterns including CA Title 13 compliant patterns
- Meets KKK-1822F, NFPA 1900, NFPA 1917, SAE, and EC65 specifications
- DUO™ models include DVI™ light patterns and our patented E Block™ technology
- Choose flash patterns from solid, left/right, top/bottom, in/out, or diagonal sequencing
- Brake/Tail/Turn, Turn, and Back-Up lights meet applicable SAE requirements
- Available in steady-burn or with an internal flasher

- STEADY-LOCK™ sets lightheads to Steady automatically when used with a CenCom Core® control system
- Warning lights with internal flasher have sync and low-power functions
- Hard-coated lenses resist environmental damage from sand, sun, salt, and road chemicals

- Surface mount via 2 screws for easy installation
- A variety of mounting brackets and optional Chrome or Black flanges are available
- 10-year warranty

WHELEN®
MANUFACTURED IN AMERICA

M2 Series

10YR | 12 | 24 | SYNC | SCAN LOCK™ | STEADY-LOCK™ | NFPA 1900 CONTRIBUTOR | HARD COAT | :SOLO™ :DUO™
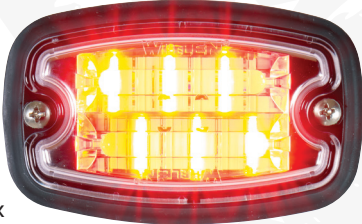
M2 TIR™ LIGHTHEAD FEATURES

- Clear or Color lenses available
- Mounts to surface via two screws for easy installation
- SOLO™ models have 25 Scan-Lock™ flash patterns
- Split models have 69 Scan-Lock flash patterns
- Dimensions: 3.65" (93mm) W x 2.07" (53mm) H x 0.92" (23mm) D

M2 LINEAR LIGHTHEAD FEATURES

- Clear, Color, or Smoked lenses available
- Mounts to surface via two screws for easy installation
- SOLO™ and DUO™ models have 74 Scan-Lock™ flash patterns
- DVI™ flash patterns
- Patented E Block™ technology creates a watertight seal around the unit's stranded wires to prevent moisture from entering the lighthead
- Dimensions: 3.65" (93mm) W x 2.07" (53mm) H x 0.92" (23mm) D

Model	Type	LED Color		Lens Color	Amp Draw
M2 SOLO TIR Series					
M2*	Warning	Amber, Blue, Red, White		Color	
M2*C		Amber, Blue, Red		Clear	
M2#		Split Red/White, Red/Blue, Red/Amber, Amber/White			
M2 SOLO TIR Wide-Angle Series					
M2W*	Warning	Amber, Blue, Red, White		Color	
M2W*C		Amber, Blue, Red		Clear	
M2W#		Split Red/White, Red/Blue, Red/Amber			
M2 SOLO Linear Series					1.0 Peak, 0.45 Average
ML2*	Warning	Amber, Blue, White, Green, Red		Color	
ML2*C				Clear	
ML2*X				Smoked	
M2 DUO Linear Series					
ML2D#	Warning	Red/White, Blue/White, Amber/White, Green/White, Red/Blue, Red/Amber, Red/Green, Blue/Amber, Amber/Green		Clear	
ML2D#X				Smoked	

M2 Series Options		Color
M2FC	Flange Mount	Chrome
M2FB	Flange Mount	Black
M2GROM	Grommet Mount Kit	
M2PEDB	Pedestal Mount Kit	
M2PEDC	Pedestal Mount Kit	Chrome

Replace * symbol in model number with letter indicating color desired: A = Amber, B = Blue, C = Clear/White, G=Green, R = Red
Replace # symbol in model number with letter indicating split color desired: D = Red/White, E=Blue/White, F = Amber/White, H=Green/White, J = Red/Blue, K = Red/Amber, L=Red/Green, M=Blue/Amber, P=Green/Amber

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M4 Series

10YR | 12 | 24 | SYNC | SCAN LOCK | STEADY LOCK | NFPA 1900 CONTRIBUTOR | DVI ENABLED | HARD COAT | SOLO : DUO

- Solid-color models have 150 Scan-Lock™ flash patterns, including DVI™
- Split-color models have 64 Scan-Lock flash patterns
- Combination Warning and Driving Light
- Dimensions: 5.49" (139mm) W x 3.38" (86mm) H x 1.40" (36mm) D

Model	Type	LED Color	Lens Color	Amp Draw
M4 Series with Internal Flasher & Synchronize Feature				
M4*	Warning	Amber, Blue, Red, White	Color	Simultaneous: 1.5 Peak, 0.6 Average
M4*C		Amber, Blue, Red, White		
M4#		Split Red/White, Red/Blue, Red/Amber, Amber/White	Clear	
M4V2*	Combination Driving/Warning Light	Amber, Blue, Red, White		
M4DW*		Blue, Red		Alternating: 0.75 Peak, 0.3 Average
M4DWJ		Red over Blue		
M4 DUO™ Series				M4DW*: 1.0 Peak, 0.4 Average
M4D#	Warning	DUO™ Red/Blue, Red/White, Blue/White, Amber/Blue	Clear	
M4 Models requiring LED Flasher (purchased separately)				
M4*S	Warning	Amber, Blue, Red, White	Color	
M4*CS		Amber, Blue, Red, White	Clear	

M4 Series Options		Color
M4FC	Flange	Chrome
M4FB	Flange	Black
M4FC400	Flange, Adapts M4 to 400 Series Mounting	Chrome
M4BRUSH	Brush Guard	Black
4BKT1	Universal "L" Mounting Bracket for M4 Series Super-LED® Lighthead	Stainless Steel

Replace * symbol in model number with letter indicating color desired: A = Amber, B = Blue, C = Clear/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
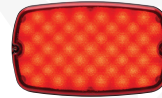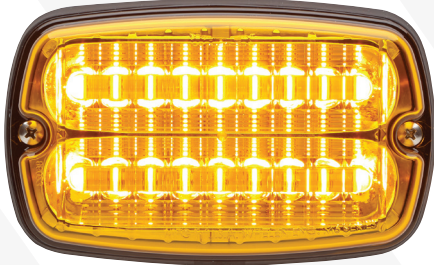
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M6 Series

Icons: 10YR | 12 | 24 | SYNC | SCAN LOCK | STEADY-LOCK | NFPA 1900 CONTRIBUTOR | DVI ENABLED | HARD COAT | ISOLO | DUO

M62BTT

M62T

M6BU

M6ZC

- Solid-color models have 159 Scan-Lock™ flash patterns
- Split-color models have 64 Scan-Lock flash patterns
- Warning, Brake/Tail/Turn, Turn, Back-Up, and Scene Light models available
- Mounts on Medium or High Roof Ford Transit models
- Dimensions: 6.70" (170mm) W x 4.31" (109mm) H x 1.40" (36mm) D

Model	Type	LED Color		Lens Color	Amp Draw
M6 Series with Internal Flasher & Synchronize Feature					
M6	Warning	Amber, Blue, Red, White		Color	Simultaneous: 2.2 Peak, 0.9 Average Alternating: 1.1 Peak, 0.45 Average
M6*C		Amber, Blue, Red		Clear	
M6V2*		Amber, Blue, Red, White			
M6V2*C		Amber, Blue, Red, White			
M6#		Split Red/White, Red/Blue, Red/Amber, Amber/White			
M6 DUO™ Series					
M6D#	Warning	DUO™ Red/White, Red/Blue, Red/Amber, Amber/White		Clear	
M6 Models requiring LED Flasher (purchased separately)					
M6*S	Warning	Amber, Blue, Red, White		Color	
M6*CS		Amber, Blue, Red, White		Clear	
M6 Utility Lightheads					
M62BTT	Brake/Tail/Turn	Red		Color	Brake/Turn - 0.85 Average Tail - 0.06 Average
M62T	Amber Turn Signal	Amber			0.75 Average
M6BU	Back-Up Light	White		Clear	1.6 Average
M6ZC	Gradient Scene Light	White			2.0 Average

M6 Series Options		Color
M6FC	Flange	Chrome
M6FB	Flange	Black
M6FCV2	Flange for 2 Lamps, Vertical	Chrome
M6FCV3	Flange for 3 Lamps, Vertical	
M6FCV4	Flange for 4 Lamps, Vertical	
M6FC600	Flange Adapts M6 to 600 Series Mounting	
M6HDLMTK	Headlight Mount Kit for ATI & KD with Hardware	
M6BRUSH	Brush Guard	Black
6BKT1	"L" Bracket Push Bumper Mount Kit	
6BKT2	Angled Bracket Push Bumper Mount Kit	
M6P15C	15° Angled Surface Mount Housing	Chrome
M6P15B		Black
M6PTM5F	Front Light Pod for 8 Lightheads, 2015-2023 Ford Transit, Medium Roof	Black, Reach Out to Sales for Additional Options
M6PT5R	Rear 2 Piece Light Pod for 6 Lightheads, 2015-2023 Ford Transit, Medium or High Roof	
M6PTH5F	Front Light Pod for 8 Lightheads, 2015-2023 Ford Transit, High Roof	
M6WLENX	Replace Clear Lens with a Smoked Lens, M6 Warning Models Only	

Replace * symbol in model number with letter indicating color desired: A = Amber, B = Blue, C = Clear/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
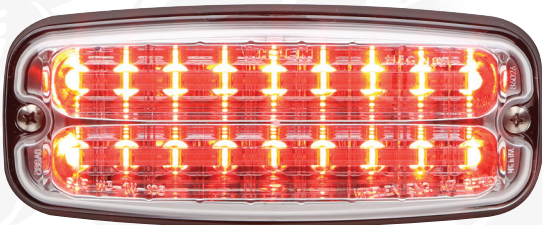
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M7 Series

M7ZC

- Solid-color models have 189 Scan-Lock™ flash patterns including DVI™
- Split-color models have 64 Scan-Lock flash patterns
- Warning and Scene Light models available
- Dimensions: 7.64" (194mm) W x 3.38" (86mm) H x 1.40" (36mm) D

Model	Type	LED Color	Lens Color	Amp Draw
M7 Series with Internal Flasher & Synchronize Feature				
M7*C	Warning	Amber, Blue, Red	Clear	Simultaneous: 2.2 Peak, 0.9 Average Alternating: 1.1 Peak, 0.46 Average
M7*		Amber, Blue, Red, White	Color	
M7#		Split Red/White, Red/Blue, Red/Amber, Amber/White	Clear	
M7 DUO™ Series				
M7D#	Warning	DUO Red/White, Red/Blue, Red/Amber, Amber/White	Clear	
M7 Models requiring LED Flasher (purchased separately)				
M7*S	Warning	Amber, Blue, Red, White	Color	
M7*CS		Amber, Blue, Red, White	Clear	
M7 Utility Lightheads				
M7ZC	Gradient Scene Light	White	Clear	2.25 Average

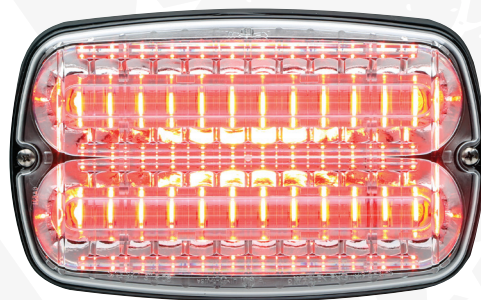| M7 Series Options		Color
M7FC	Flange	Chrome
M7FB	Flange	Black
M7F2C	Dual Flange	Chrome
M7F2B	Dual Flange	Black
M7FC700	Polished Aluminum Flange	Chrome
M7BRUSH	Brush Guard	Black
M7BKT1	Universal Mounting Bracket for One Light	
M7WLENX	Replace Clear Lens with a Smoked Lens, for M7 Warning Models Only	

Replace * symbol in model number with letter indicating color desired: A = Amber, B = Blue, C = Clear/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

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M9 Series

10YR | **12** | **24** | **SYNC** | **SCAN LOCK** | **STEADY-LOCK** | **NFPA 1900 CONTRIBUTOR** | **DVI ENABLED** | **HARD COAT** | **SOLO** | **DUO**

- Solid-color models have 189 Scan-Lock™ flash patterns including DVI™
- Split-color models have 64 Scan-Lock flash patterns
- Warning, Brake/Tail/Turn, Turn, Back-Up, and Scene Light models available
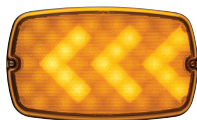- Dimensions: 10.34" (263mm) W x 6.51" (165mm) H x 1.40" (36mm) D

Model	Type	LED Color	Lens Color	Amp Draw
M9 Series with Internal Flasher & Synchronize Feature				
M9*C	Warning	Amber, Blue, Red	Clear	Simultaneous: 3.0 Peak, 1.2 Average

Alternating: 1.2 Peak, 0.6 Average |
M9*		Amber, Blue, Red, White	Color	
M9D#		DUO™ Red/Blue, Red/White, Blue/White, Amber/Blue	Clear	
M9#	Warning, Side-By-Side	Split Red/White, Red/Blue, Red/Amber		
M9V2*	Warning/ Perimeter	Amber, Blue, Red, White	Color	
M9V2*C		Amber, Blue, Red, White	Clear	
M9 Models requiring LED Flasher (purchased separately)				
M9*S	Warning	Amber, Blue, Red, White	Color	
M9*CS		Amber, Blue, Red, White	Clear	
M9 DUO™ Series, Scan-Lock, Low Power				
M92#	DUO™ Warning	Red/Blue, Red/White, Blue/Amber, Blue/White, Amber/White	Color	2.4 Amps Per Color
Combo Warning/Scene Light, Scan-Lock, Synchronize Feature & Hi/Low				
M9*CZ	Combination Warning/Scene Light	Amber/White, Red/White, Blue/White, White/White	Clear	Warning - 1.58 Average Scene Light - 1.53 Average
M9JCZ	DUO Combination Warning/Scene Light	Red/Blue		Warning - 1.58 Average Per Color Scene Light - 1.53 Average
M9 Utility Lightheads				
M92BTT	Brake/Tail/Turn	Red	Color	Brake/Turn - 0.43 Average Tail - 0.05 Average
M92T	Amber Turn Signal	Amber		0.84 Average
M92BU	Back-up Light	White	Clear	0.12 Average
M9LZC	Scene Light	White		6.0 Average

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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

M92BTT   M92T   M92BU   M9LZC

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M9 Options	Description	Color / Type
M9FC	Flange	Chrome
M9FB	Flange	Black
M9FC900	Flange Adapts M9 Warning to 900 Series Mount	Chrome
M9FCZ900	Flange Adapts M9 Scene Light to 900 Series Mount	Chrome
M9VFC900	Flange Adapts M9V to 900 Series Mount	Chrome
M9BRUSH	Brush Guard	Black
M9WLENX	Replace Clear Lens with Smoked Lens, for M9 Warning Models Only	Smoked Lens
M9HTM5FC	Front Driver and Passenger Side of the 2015-2023 Ford Transit Medium Roof, Sold in Pairs, Lightheads Purchased Separately	Chrome-Plated Housing
M9HTM5RC	Rear Driver and Passenger Side of the 2015-2023 Ford Transit Medium Roof, Sold in Pairs, Lightheads Purchased Separately	
M9HTH5FC	Front Driver and Passenger Side of the 2015-2023 Ford Transit High Roof, Sold in Pairs, Lightheads Purchased Separately	
M9HTH5RC	Rear Driver and Passenger Side of the 2015-2023 Ford Transit High Roof, Sold in Pairs, Lightheads Purchased Separately	

M9RCZ

M92E

M9JCZ

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M6 & M9 EZ Scene Light™

10YR · **12** · **24** · HARD COAT · **IP67** · HARD COAT

M92SLB

M62SLC

- Redesigned optic aesthetics, light output, and light pattern optimizes light dispersion
- Gradient Opti-Scenelight™ technology enables efficient use of light
- Hard-coated lenses resist environmental damage from sand, sun, salt, and road chemicals

- Selectable turn-on functionality
- Multiple turn-on styles ranging from instant to gradual (Slow, Medium, Fast, Instant)
- 3 low-power settings provide situation-specific lighting for a variety of scenarios

- Surface Mount
- 6" pigtail included
- IP67 rated
- Dimensions: **M6:** 6.77" (175mm) W x 4.37" (111mm) H x 1.71" (43mm) D
  M9: 10.35" (263mm) W x 6.28" (160mm) H x 2.39" (61mm) D

Model	Type	LED Color	Lens Color	Amp Draw
M62SLC	Illumination	White	Clear	2.0 Amps at 12VDC 1.0 Amp at 24VDC
M62SLB				
M92SLC				9.0 Amps at 12VDC
M92SLB				
M92SLC4				4.5 Amps at 24VDC
M92SLB4				

WHELEN ENGINEERING COMPANY, INC.

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.

WHELEN®
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51 Winthrop Road
Chester, Connecticut 06412-0684
(860) 526-9504
www.whelen.com