

51 Winthrop Road Chester, Connecticut 06412-0684 Phone: (860) 526-9504 Fax: (860) 526-4078 Internet: www.whelen.com Sales e-mail: autosale@whelen.com Canadian Sales e-mail: autocan@whelen.com Customer Service e-mail: custserv@whelen.com Installation Guide: Towman's™ Freedom™ Lightbar

Safety First

This document provides all the necessary information to allow your Whelen product to be properly and safely installed. Before beginning the installation and/or operation of your new product, the installation technician and operator must read this manual completely. Important information is contained herein that could prevent serious injury or damage.

- Proper installation of this product requires the installer to have a good understanding of automotive electronics, systems and procedures.
- If mounting this product requires drilling holes, the installer MUST be sure that no vehicle components or other vital parts could be damaged by the drilling process. Check both sides of the mounting surface before drilling begins. Also de-burr any holes and remove any metal shards or remnants. Install grommets into all wire passage holes.
- If this manual states that this product may be mounted with suction cups, magnets, tape or Velcro®, clean the mounting surface with a 50/50 mix of isopropyl alcohol and water and dry thoroughly.
- Do not install this product or route any wires in the deployment area of your air bag. Equipment mounted or located in the air bag deployment area will damage or reduce the effectiveness of the air bag, or become a projectile that could cause serious personal injury or death. Refer to your vehicle owner's manual for the air bag deployment area. The User/Installer assumes full responsibility to determine proper mounting location, based on providing ultimate safety to all passengers inside the vehicle.
- For this product to operate at optimum efficiency, a good electrical connection to chassis ground must be made. The recommended procedure requires the product ground wire to be connected directly to the NEGATIVE (-) battery post.
- If this product uses a remote device to activate or control this product, make sure that this control is located in an area that allows both the vehicle and the control to be operated safely in any driving condition.
- Do not attempt to activate or control this device in a hazardous driving situation.
- This product contains either strobe light(s), halogen light(s), high-intensity LEDs or a combination of these lights. Do not stare directly into these lights. Momentary blindness and/or eye damage could result.
- Use only soap and water to clean the outer lens. Use of other chemicals could result in premature lens cracking (crazing) and discoloration. Lenses in this condition have significantly reduced effectiveness and should be replaced immediately. Inspect and operate this product regularly to confirm its proper operation and mounting condition. Do not use a pressure washer to clean this product.
- It is recommended that these instructions be stored in a safe place and referred to when performing maintenance and/or reinstallation of this product.
- FAILURE TO FOLLOW THESE SAFETY PRECAUTIONS AND INSTRUCTIONS COULD RESULT IN DAMAGE TO THE PRODUCT OR VEHICLE AND/OR SERIOUS INJURY TO YOU AND YOUR PASSENGERS!

For warranty information regarding this product, visit www.whelen.com/warranty

Mounting your Lightbar:

Permanent mounting of this product will require drilling. It is absolutely necessary to make sure that no other vehicle components could be damaged by this process. Check both sides of the mounting surface before starting. If damage is likely, select a different mounting location.

This lightbar mounts with 3 bolts, affixed to mounting plates that slide into the track on the bottom of the lightbar base. Figures 1 and 1a show how the slide bolt assembly slides into your lightbars base and mounts onto the vehicle. Use an appropriately sized drill bit sized for a $1/2 - 13 \times 2^{\circ}$ bolt, to drill the mounting holes. When you secure the slide bolts to the bottom of the lightbar base, be sure the outside bolts are spaced far enough apart and near enough to the ends of the vehicle roof.

Operation:

Operation of the function wires in the cables exiting the lightbar is outlined below. Applying +12 volts DC to these wires will activate their function. Refer to the parts illustration for fusing information. Any unused wire should be capped off.

LED CABLE: 3 conductor	GREEN: Activates the FRONT LED's. WHITE: Activates the REAR LED's.
TAKEDOWN/ALLE	Y:
6 conductor:	WHITE: Activates (Steady) TAKEDOWNS and WORKLIGHTS GREEN: Activates the PASSENGER SIDE ALLEY LIGHTS RED: Activates the DRIVER SIDE ALLEY LIGHTS BLUE: Activates the TAKEDOWNS in FLASH MODE
BRAKE-TAIL: 4 conductor	WHITE: Activates the TAIL LIGHTS GREEN: Activates the PASSENGER SIDE BRAKE LIGHT RED: Activates the DRIVER SIDE BRAKE LIGHT
SCANLOCK: 3 conductor	RED: Scan-Lock™ Flash pattern selection for the FRONT LED's GREEN: Scan-Lock™ Flash pattern selection for the REAR LED's

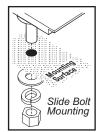


Fig. 1 / Slide Bolt Mount:

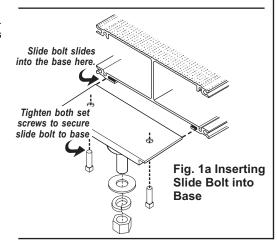
1. Remove one lightbar endcap.

2. Insert slide bolts into base, slide them across to their mounting position and secure with set screws

3. Position the lightbar onto the vehicle and mark the four bolt hole locations on the mounting surface

4. Drill the four holes with an appropriately sized drill bit

5. Replace end cap and insert bolts into their 4 mounting holes and secure the lightbar with supplied hardware



Scan-Lock[™] / Flash Pattern Selection:

The RED wire is the Scan-Lock[™] wire for FRONT LED's. The GREEN wire is the Scan-Lock[™] wire for REAR LED's. LED's must be on for Scan-Lock[™] to work.

TO CHANGE PATTERNS: To cycle forward to the next pattern: Apply +VBAT to the "*Scan-Lock*[™] wire for less than 1 second and release. To cycle back to the previous pattern: Apply +VBAT to the *Scan-Lock*[™] wire for more than 1 second and release.

TO CHANGE THE DEFAULT PATTERN: When the desired pattern is active, allow it to run for more than 5 seconds. The lighthead will now display this pattern when activated.

TO RESTORE THE FACTORY DEFAULT PATTERN: With power to the lightheads off, apply +VBAT to the *Scan-Lock*[™] wire. While still applying +VBAT to the *"Scan-Lock*[™] wire, turn power to the lightheads back on. The factory default pattern should now be displayed.

A Normally Open momentary switch can be used to control Scan-Lock™

displayed. MOMENTARY BLINDNESS AND/OR EYE

WARNING! All Customer supplied wires that connect to the positive terminal of the battery must be sized to supply at least 125% of the maximum operating current and <u>FUSED</u> at the battery to carry that load. DO NOT USE CIRCUIT BREAKERS WITH THIS PRODUCT!

IMPORTANT! It is the responsibility of the installation technician to make sure that the installation and operation of this product will not interfere with or compromise the operation or efficiency of any vehicle equipment! Before returning the vehicle to active service, visually confirm the proper operation of this product, as well as all vehicle components/equipment.

Available Flash Patterns:

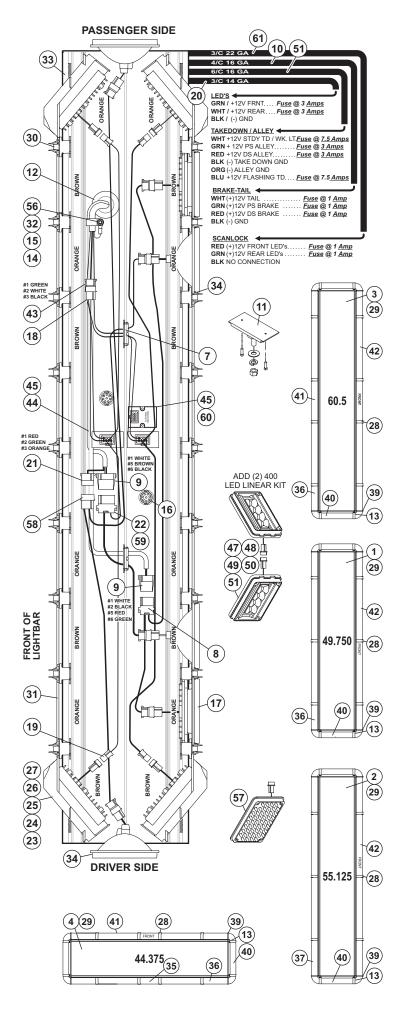
- 1. SignalAlert[™] 3 cycles of 1A and 3 cycles of 1S
- 2. SignalAlert[™] 1 Alternates with 2
- 3. SignalAlert™ 1 & 2 Simultaneous
- 4. CometFlash® 1 Alternates with 2
- 5. CometFlash® 1 & 2 Simultaneous
- 6. CometFlash® 3 cycles of 2A and 3 cycles of 2S
- 7. DoubleFlash 1 Alternates with 2
- 8. DoubleFlash 1 & 2 Simultaneous
- 9. DoubleFlash 3 cycles of 3A and 3 cycles of 3S
- 10. 10.SingleFlash 1 Alternates with 2
- 11. SingleFlash 1 & 2 Simultaneous
- 12. SingleFlash 3 cycles of 4A and 3 cycles of 4S

IMPORTANT WARNING!

CAUTION! DO NOT LOOK DIRECTLY AT

THESE LED'S WHILE THEY ARE ON.

- 13. SteadyFlash 1 & 2 Steady / 3 & 4 SingleFlash
- 14. Steady 1, 2, 3 & 4 Steady
- 15. Steady: Full power 1 sec., then slow ramp to 40



	QTY	QTY	QTY	QTY	QTY	ITEM		DESCRIPTION
					*		01-0684339-	Towman's Freedom™ 50"
				*			01-0684339-	Towman's Freedom™ 55"
			×				01-0684339-	Towman's Freedom™ 60"
		*					01-0684339-	Towman's Freedom™ 44"
	*						01-0684339-	Towman's Freedom™ 66"
*	-	-	-	-	1	1	01-0684339-	Towman's Freedom™ 72"
-	-	-	-	1	1	1	11-363141-000 11-363142-000	BASE EXTRUSION (45.75")
-	-	-	1	-	-	2	11-363142-000	BASE EXTRUSION (51.125") BASE EXTRUSION (56.50")
-	-	1	-	-	-	4	11-363390-000	BASE EXTRUSION (40.375")
	1	-	-	-	-	5	11-363653-061	BASE EXTRUSION (61.875")
1	-	-	-	-	-	6	11-363653-067	BASE EXTRUSION (67.25")
2	2	2	2	2	2	7	21-242401-000	BUSHING, 1-5/8"
	A/R			A/R		8	46-0941911-00	HARNESS, BRAKE/TAIL LIGHT
A/R		A/R	A/R	A/R		9	39-0406324-04	HOUSING, 6 POS SOCKET CMNL
A/R	A/R	A/R	A/R	A/R	A/R	10	02-0241912-01	CABLE, 4/C 16 GA 20'
A/R		A/R	A/R	A/R	A/R	11	02-038132309S	SUB ASS'Y, SLIDE BOLT
1	1	1	1	1	1	12	21-11245004-1	GROMMET, 1.562"
8	8	8	8	8	8	13	14-104286-16JB	
1	1	1	1	1	1	14	13-104111-063	NUT, #10-24 WHIZ
1	1	1	1	1	1	15	26-0115037-08	CABLE CLAMP, 1/2"
2	2	2	2	2	2	16	21-7263998-00	VENT
A/R	A/R	A/R	A/R	A/R	A/R	17	02-038345835C	LED BRAKE/TAIL LIGHT 400
1	1	1	1	1	1	18	46-0743227-00	HARNESS, INPUT POWER
2	2	2	2	2	2	19	46-0764240-00	HARNESS, LED 8 OUTPUT
1	1	1	1	1	1	20	46-0743228-00	CABLE, 3/C 14GA 17'
	A/R	A/R		A/R		21	39-0404023-04	HOUSING, 4 POS SOCKET CMNL
A/R	A/R	A/R	A/R	A/R	A/R	22	46-0764440-01	HARNESS, TAKE DOWN/WORK LT
A/R			A/R	A/R		23	01-026B807-10	CORNER REFLECTOR LED AMBER
A/R	A/R	A/R	A/R	A/R	A/R	24	01-026B807-20	CORNER REFLECTOR LED BLUE
A/R	A/R	A/R	A/R	A/R	A/R	25	01-026B807-30	CORNER REFLECTOR LED WHITE
A/R	A/R	A/R	A/R	A/R	A/R	26	01-026B807-40	CORNER REFLECTOR LED GREEN
A/R	A/R	A/R	A/R	A/R	A/R	27	01-026B807-50	CORNER REFLECTOR LED RED
8	8	8	8	6	6	28	02-0341448-30	LENS DIVIDER ASS'Y. (CLEAR)
20	20	12	18	18	14	30	07-263103-000	MOUNTING BRACKET
18	18	10	14	12	12	31	09-1363158-00	FILLER PANEL / "400" SERIES
1	1	1	1	1	1	32	14-104216-160	#10-24 x 1 PPHMS
4	4	4	4	4	4	33	20-0042765-00	SPACER / CORNER LIGHTHEAD
A/R	A/R	A/R	A/R	A/R	A/R	34	02-0363189-00	REFLECTOR ASS'Y. 400 HALOGEN
-	-	2	-	-	-	35	68-1983816-30	LENS / 5.00" CLEAR
-	4	4	4	-	4	36	68-1983817-30	LENS / 6.562" CLEAR
4	-	-	-	4	-	37	68-1984104-30	LENS / 9.25" CLEAR
4	-	-	-	4	-	38	07-242815-000	BRACKET / SPACER not shown
2	2	2	2	2	2	39	38-0283381-00	GASKET / ENDCAP
2	2	2	2	2	2	40	68-1183369-30	ENDCAP / CLEAR not shown
-	-	4	2	-	-	41	68-1183491C02	LENS / 10.375" CLEAR
6	6	-	4	4	4	42	68-1984105-30	LENS / 15.75" CLEAR
	1		1	1	1	43	39-0403023-04	HOUSING / 3 POS SOCKET CMNL
1		1					01-0269936-01	
1	2	1 2	2	2	2	44	0.0200000.	FLASHER / 2 CHANNEL
				2	2	44 45	66-0420982-00	TAPE / DOUBLE SIDED
2	2 2 A/R	2 2 A/R	2				66-0420982-00 01-026B569212	TAPE / DOUBLE SIDED 400 LINEAR TIR LED / AMBER
2 2 A/R A/R	2 2 A/R A/R	2 2 A/R A/R	2 2 A/R A/R	2 A/R A/R	2 A/R A/R	45 46 47	66-0420982-00 01-026B569212 01-026B569222	TAPE / DOUBLE SIDED 400 LINEAR TIR LED / AMBER 400 LINEAR TIR LED / BLUE
2 2 A/R A/R A/R	2 2 A/R A/R A/R	2 2 A/R A/R A/R	2 2 A/R A/R A/R	2 A/R A/R A/R	2 A/R A/R A/R	45 46 47 48	66-0420982-00 01-026B569212 01-026B569222 01-026B569232	TAPE / DOUBLE SIDED 400 LINEAR TIR LED / AMBER 400 LINEAR TIR LED / BLUE 400 LINEAR TIR LED / WHITE
2 2 A/R A/R A/R A/R	2 2 A/R A/R A/R A/R	2 2 A/R A/R A/R A/R	2 2 A/R A/R A/R A/R	2 A/R A/R A/R A/R	2 A/R A/R A/R A/R	45 46 47 48 49	66-0420982-00 01-026B569212 01-026B569222 01-026B569232 01-026B569242	TAPE / DOUBLE SIDED 400 LINEAR TIR LED / AMBER 400 LINEAR TIR LED / BLUE 400 LINEAR TIR LED / BLUE 400 LINEAR TIR LED / GREEN
2 2 A/R A/R A/R A/R A/R	2 2 A/R A/R A/R A/R A/R	2 2 A/R A/R A/R A/R A/R	2 A/R A/R A/R A/R A/R	2 A/R A/R A/R A/R A/R	2 A/R A/R A/R A/R A/R	45 46 47 48 49 50	66-0420982-00 01-026B569212 01-026B569222 01-026B569232 01-026B569242 01-026B569252	TAPE / DOUBLE SIDED 400 LINEAR TIR LED / AMBER 400 LINEAR TIR LED / BLUE 400 LINEAR TIR LED / BLUE 400 LINEAR TIR LED / GREEN 400 LINEAR TIR LED / RED
2 2 A/R A/R A/R A/R A/R A/R	2 2 A/R A/R A/R A/R A/R A/R	2 2 A/R A/R A/R A/R A/R A/R	2 A/R A/R A/R A/R A/R A/R	2 A/R A/R A/R A/R A/R A/R	2 A/R A/R A/R A/R A/R	45 46 47 48 49 50 51	66-0420982-00 01-026B569212 01-026B569222 01-026B569232 01-026B569242 01-026B569252 46-0710479-01	TAPE / DOUBLE SIDED 400 LINEAR TIR LED / AMBER 400 LINEAR TIR LED / BLUE 400 LINEAR TIR LED / BLUE 400 LINEAR TIR LED / GREEN 400 LINEAR TIR LED / RED CABLE 6/C 16 GA 20'
2 2 A/R A/R A/R A/R A/R A/R A/R	2 2 A/R A/R A/R A/R A/R A/R A/R	2 2 A/R A/R A/R A/R A/R A/R A/R	2 2 A/R A/R A/R A/R A/R A/R A/R	2 A/R A/R A/R A/R A/R A/R A/R	2 A/R A/R A/R A/R A/R A/R	45 46 47 48 49 50 51 52	66-0420982-00 01-026B569212 01-026B569222 01-026B569232 01-026B569242 01-026B569252 46-0710479-01 39-0412014-14	TAPE / DOUBLE SIDED 400 LINEAR TIR LED / AMBER 400 LINEAR TIR LED / BLUE 400 LINEAR TIR LED / BLUE 400 LINEAR TIR LED / GREEN 400 LINEAR TIR LED / GREEN 400 LINEAR TIR LED / RED CABLE 6/C 16 GA 20' HSNG. / 12 POS PIN CMNL not show
2 2 A/R A/R A/R A/R A/R A/R A/R A/R	2 2 A/R A/R A/R A/R A/R A/R A/R A/R	2 2/ A/R A/R A/R A/R A/R A/R A/R A/R	2 A/R A/R A/R A/R A/R A/R A/R A/R	2 A/R A/R A/R A/R A/R A/R A/R A/R	2 A/R A/R A/R A/R A/R A/R A/R	45 46 47 48 49 50 51 52 53	66-0420982-00 01-026B569212 01-026B569222 01-026B569232 01-026B569242 01-026B569252 46-0710479-01 39-0412014-14 46-0741346-17	TAPE / DOUBLE SIDED 400 LINEAR TIR LED / AMBER 400 LINEAR TIR LED / BLUE 400 LINEAR TIR LED / WHITE 400 LINEAR TIR LED / GREEN 400 LINEAR TIR LED / RED CABLE 6/C 16 GA 20' HSNG. / 12 POS PIN CMNL not show CABLE, 9/C COMPOSITE 17'
2 2 A/R A/R A/R A/R A/R A/R A/R A/R	2 2 A/R A/R A/R A/R A/R A/R A/R A/R	2 2 A/R A/R A/R A/R A/R A/R A/R A/R	2 A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 A/R A/R A/R A/R A/R A/R A/R A/R	45 46 47 48 49 50 51 52 53 54	66-0420982-00 01-026B569212 01-026B569222 01-026B569232 01-026B569242 01-026B569252 46-0710479-01 39-0412014-14 46-0741346-17 46-0743106-00	TAPE / DOUBLE SIDED 400 LINEAR TIR LED / AMBER 400 LINEAR TIR LED / BLUE 400 LINEAR TIR LED / WHITE 400 LINEAR TIR LED / WHITE 400 LINEAR TIR LED / GREEN 400 LINEAR TIR LED / RED CABLE 6/C 16 GA 20' HSNG. / 12 POS PIN CMNL not show CABLE, 9/C COMPOSITE 17' HARNESS, T/A
2 2 A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 2 A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 2 A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 A/R A/R A/R A/R A/R A/R A/R A/R A/R	45 46 47 48 50 51 52 53 53 54 55	66-0420982-00 01-026B569212 01-026B569222 01-026B569232 01-026B569242 01-026B569252 46-0710479-01 39-0412014-14 46-0741346-17 46-0743106-00 01-0683850-00	TAPE / DOUBLE SIDED 400 LINEAR TIR LED / AMBER 400 LINEAR TIR LED / BLUE 400 LINEAR TIR LED / BLUE 400 LINEAR TIR LED / WHITE 400 LINEAR TIR LED / RED CABLE 6/C 16 GA 20' HSNG, / 12 POS PIN CMNL not shown CABLE, 9/C COMPOSITE 17' HARNESS, T/A CONTROL HEAD LED not shown
2 2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	45 46 47 48 50 51 52 53 54 55 56	66-0420982-00 01-026B569212 01-026B569222 01-026B569232 01-026B569242 01-026B569252 46-0710479-01 39-0412014-14 46-0741346-17 46-0743106-00 01-0683850-00 26-0115037-11	TAPE / DOUBLE SIDED 400 LINEAR TIR LED / AMBER 400 LINEAR TIR LED / BLUE 400 LINEAR TIR LED / WHITE 400 LINEAR TIR LED / WHITE 400 LINEAR TIR LED / GREEN 400 LINEAR TIR LED / RED CABLE 6/C 16 GA 20' HSNG. / 12 POS PIN CMNL not show CABLE, 9/C COMPOSITE 17' HARNESS, T/A CONTROL HEAD LED not shown CABLE CLAMP 11/16"
2 2 A/R A/R A/R A/R A/R A/R A/R A/R	2 2/ A/R A/R A/R A/R A/R A/R A/R A/	2 2 A/R A/R A/R A/R A/R A/R A/R A/R	2 2 A/R A/R A/R A/R A/R A/R A/R A/R	2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	45 46 47 50 51 52 53 54 55 56 57	66-0420982-00 01-026B569212 01-026B569222 01-026B569232 01-026B569242 01-026B569242 46-0710479-01 39-0412014-14 46-0741346-17 46-0741346-17 01-0683850-00 26-0115037-11 02-038345821A	TAPE / DOUBLE SIDED 400 LINEAR TIR LED / AMBER 400 LINEAR TIR LED / BLUE 400 LINEAR TIR LED / WHITE 400 LINEAR TIR LED / GREEN 400 LINEAR TIR LED / GREEN 400 LINEAR TIR LED / RED CABLE 6/C 16 GA 20' HSNG. / 12 POS PIN CMNL not show CABLE, 9/C COMPOSITE 17' HARNESS, TIA CONTROL HEAD LED not shown CABLE CLAMP 11/16" 400 LED STEADY MAX - AMB
2 2 A/R A/R A/R A/R A/R A/R A/R A/R	2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	45 46 47 48 49 50 51 52 53 54 55 55 56 57 58	66-0420982-00 01-026B569212 01-026B569222 01-026B569232 01-026B569242 01-026B569252 46-0710479-01 39-0412014-14 46-0741346-17 46-0743106-00 01-0683850-00 26-0115037-11 02-038345821A 46-0764440-00	TAPE / DOUBLE SIDED 400 LINEAR TIR LED / AMBER 400 LINEAR TIR LED / BLUE 400 LINEAR TIR LED / WHITE 400 LINEAR TIR LED / GREEN 400 LINEAR TIR LED / GREEN 400 LINEAR TIR LED / RED CABLE 6/C 16 GA 20' HSNG. / 12 POS PIN CMNL not show CABLE, 9/C COMPOSITE 17' HARNESS, TIA CONTROL HEAD LED not shown CABLE CLAMP 11/16'' 400 LED STEADY MAX - AMB HARNESS / ALLEY LIGHT
2 2 A/R A/R A/R A/R A/R A/R A/R A/R	2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 A/R A/R A/R A/R A/R A/R A/R A/R	2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	45 46 47 48 50 51 52 53 52 53 54 55 56 57 58 59	66-0420982-00 01-026B569212 01-026B569222 01-026B569232 01-026B569242 01-026B569242 01-026B569252 46-0710479-01 39-0412014-14 46-0741346-17 46-0743106-00 01-0683850-00 26-0115037-11 02-038345821A 46-0764440-00	TAPE / DOUBLE SIDED 400 LINEAR TIR LED / AMBER 400 LINEAR TIR LED / BLUE 400 LINEAR TIR LED / WHITE 400 LINEAR TIR LED / GREN 400 LINEAR TIR LED / GREN 400 LINEAR TIR LED / RED CABLE 6/C 16 GA 20' HSNG. / 12 POS PIN CMNL not show CABLE, 9/C COMPOSITE 17' HARNESS, T/A CONTROL HEAD LED not shown CABLE CLAMP 11/16' 400 LED STEADY MAX - AMB HARNESS / ALLEY LIGHT HARNESS / FLASHING TAKE-DOWN
2 2 A/R A/R A/R A/R A/R A/R A/R A/R	2 2 A/R A/R A/R A/R A/R A/R A/R A/R	2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 A/R A/R A/R A/R A/R A/R A/R A/R	2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	45 46 47 48 50 51 52 53 54 55 55 56 57 58 59 60	66-0420982-00 01-026B569212 01-026B569222 01-026B569232 01-026B569242 01-026B569252 46-0710479-01 39-0412014-14 46-0741346-17 46-0741346-17 46-0743106-00 01-0683850-00 026-0115037-11 02-038345821A 46-0764440-00 46-0764440-02 01-0269699-00	TAPE / DOUBLE SIDED 400 LINEAR TIR LED / AMBER 400 LINEAR TIR LED / BLUE 400 LINEAR TIR LED / BLUE 400 LINEAR TIR LED / GREEN 400 LINEAR TIR LED / GREEN 400 LINEAR TIR LED / RED CABLE 6/C 16 GA 20' HSNG. / 12 POS PIN CMNL not shown CABLE, 9/C COMPOSITE 17' HARNESS, T/A CONTROL HEAD LED not shown CABLE CLAMP 11/16" 400 LED STEADY MAX - AMB HARNESS / ALLEY LIGHT HARNESS / FLASHING TAKE-DOWN FLASHER / TAKE-DOWNS
2 2 A/R A/R A/R A/R A/R A/R A/R A/R	2 2 A/R A/R A/R A/R A/R A/R A/R A/R	2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 A/R A/R A/R A/R A/R A/R A/R A/R	2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	45 46 47 48 50 51 52 53 52 53 54 55 56 57 58 59	66-0420982-00 01-026B569212 01-026B569222 01-026B569232 01-026B569242 01-026B569242 01-026B569252 46-0710479-01 39-0412014-14 46-0741346-17 46-0743106-00 01-0683850-00 26-0115037-11 02-038345821A 46-0764440-00	TAPE / DOUBLE SIDED 400 LINEAR TIR LED / AMBER 400 LINEAR TIR LED / BLUE 400 LINEAR TIR LED / BLUE 400 LINEAR TIR LED / GREEN 400 LINEAR TIR LED / GREEN 400 LINEAR TIR LED / RED CABLE 6/C 16 GA 20' HSNG. / 12 POS PIN CMNL not shown CABLE 6/C 16 GA 20' HSNG. / 12 POS PIN CMNL not shown CABLE 6/C 16 GA 20' HARNESS, T/A CONTROL HEAD LED not shown CABLE CLAMP 11/16' 400 LED STEADY MAX - AMB HARNESS / ALLEY LIGHT HARNESS / FLASHING TAKE-DOWN
2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 2 A/R A/R A/R A/R A/R A/R A/R A/R	2 2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 A/R A/R A/R A/R A/R A/R A/R A/R	2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	45 46 47 48 50 51 52 53 54 55 55 56 57 58 59 60	66-0420982-00 01-026B569212 01-026B569222 01-026B569232 01-026B569242 01-026B569252 46-0710479-01 39-0412014-14 46-0741346-17 46-0741346-17 46-0743106-00 01-0683850-00 026-0115037-11 02-038345821A 46-0764440-00 46-0764440-02 01-0269699-00	TAPE / DOUBLE SIDED 400 LINEAR TIR LED / AMBER 400 LINEAR TIR LED / BLUE 400 LINEAR TIR LED / BLUE 400 LINEAR TIR LED / GREEN 400 LINEAR TIR LED / GREEN 400 LINEAR TIR LED / RED CABLE 6/C 16 GA 20' HSNG. / 12 POS PIN CMNL not shown CABLE, 9/C COMPOSITE 17' HARNESS, T/A CONTROL HEAD LED not shown CABLE CLAMP 11/16" 400 LED STEADY MAX - AMB HARNESS / ALLEY LIGHT HARNESS / FLASHING TAKE-DOWN FLASHER / TAKE-DOWNS
2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 A/R A/R A/R A/R A/R A/R A/R A/R	2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	45 46 47 48 50 51 52 53 54 55 55 56 57 58 59 60	66-0420982-00 01-026B569212 01-026B569222 01-026B569232 01-026B569242 01-026B569242 46-0710479-01 39-0412014-14 46-0741346-17 46-0741346-17 01-0683850-00 26-0115037-11 02-038345821A 46-0764440-02 01-0269699-00 46-0743443-00	TAPE / DOUBLE SIDED 400 LINEAR TIR LED / AMBER 400 LINEAR TIR LED / BLUE 400 LINEAR TIR LED / BLUE 400 LINEAR TIR LED / GREEN 400 LINEAR TIR LED / GREEN 400 LINEAR TIR LED / GREEN 400 LINEAR TIR LED / RED CABLE 6/C 16 GA 20' HSNG. / 12 POS PIN CMNL not shown CABLE 6/C 16 GA 20' HARNESS, T/A COMTROL HEAD LED not shown CABLE CLAMP 11/16" 400 LED STEADY MAX - AMB HARNESS / ALLEY LIGHT HARNESS / FLASHING TAKE-DOWNS FLASHER / TAKE-DOWNS CABLE ASSEMBLY / SCANLOCK
2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 A/R A/R A/R A/R A/R A/R A/R A/R	2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	45 46 47 48 50 51 52 53 54 55 55 56 57 58 59 60	66-0420982-00 01-026B569212 01-026B569222 01-026B569232 01-026B569232 01-026B569242 01-026B569252 46-0710479-01 39-0412014-14 46-0741346-17 46-0743106-00 01-0683850-00 26-0115037-11 02-038345821A 46-0764440-00 46-0764440-02 01-0269699-00 46-0743443-00	TAPE / DOUBLE SIDED 400 LINEAR TIR LED / AMBER 400 LINEAR TIR LED / BLUE 400 LINEAR TIR LED / BLUE 400 LINEAR TIR LED / WHITE 400 LINEAR TIR LED / GREEN 400 LINEAR TIR LED / RED CABLE 6/C 16 GA 20' HSNG. / 12 POS PIN CMNL not shown CABLE, 9/C COMPOSITE 17' HARNESS, T/A CONTROL HEAD LED not shown CABLE CLAMP 11/16' 400 LED STEADY MAX - AMB HARNESS / FLASHING TAKE-DOWN FLASHER / TAKE-DOWNS CABLE ASSEMBLY / SCANLOCK 39 13
2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 A/R A/R A/R A/R A/R A/R A/R A/R	2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	45 46 47 48 49 50 51 52 53 54 55 55 56 57 58 59 60 61	66-0420982-00 01-026B569212 01-026B569222 01-026B569232 01-026B569242 01-026B569242 01-026B569252 46-0710479-01 39-0412014-14 46-0743146-17 46-0743146-17 46-0743146-17 46-0743446-10 01-0683850-00 26-0115037-11 02-038345821A 46-0764440-00 46-0764440-02 01-0269699-00 46-0743443-00 28 FRONT 71 250	TAPE / DOUBLE SIDED 400 LINEAR TIR LED / AMBER 400 LINEAR TIR LED / BLUE 400 LINEAR TIR LED / BLUE 400 LINEAR TIR LED / WHITE 400 LINEAR TIR LED / RED CABLE 6/C 16 GA 20' HSNG, / 12 POS PIN CMNL not shown CABLE, 9/C COMPOSITE 17' HARNESS, T/A CONTROL HEAD LED not shown CABLE CLAMP 11/16' 400 LED STEADY MAX - AMB HARNESS / ALLEY LIGHT HARNESS / FLASHING TAKE-DOWNS CABLE ASSEMBLY / SCANLOCK 39 10 40
2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 A/R A/R A/R A/R A/R A/R A/R A/R	2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	45 46 47 48 49 50 51 52 53 54 55 55 56 57 58 59 60 61	66-0420982-00 01-026B569212 01-026B569222 01-026B569222 01-026B569242 01-026B569242 01-026B569252 46-0710479-01 39-0412014-14 46-0741346-17 46-0743106-00 01-0683850-00 26-0115037-11 02-038345821A 46-0764440-02 01-0269699-00 46-0743443-00	TAPE / DOUBLE SIDED 400 LINEAR TIR LED / AMBER 400 LINEAR TIR LED / BLUE 400 LINEAR TIR LED / UNHTE 400 LINEAR TIR LED / WHITE 400 LINEAR TIR LED / GREEN 400 LINEAR TIR LED / RED CABLE 6/C 16 GA 20' HSNG. / 12 POS PIN CMNL not show CABLE, 9/C COMPOSITE 17' HARNESS, T/A CONTROL HEAD LED not shown CABLE CLAMP 11/16" 400 LED STEADY MAX - AMB HARNESS / FLASHING TAKE-DOWNS CABLE ASSEMBLY / SCANLOCK 39 13
2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 A/R A/R A/R A/R A/R A/R A/R A/R	2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	45 46 47 48 49 50 51 52 53 54 55 55 56 57 58 59 60 61	66-0420982-00 01-026B569212 01-026B569222 01-026B569232 01-026B569242 01-026B569242 01-026B569252 46-0710479-01 39-0412014-14 46-0743146-17 46-0743146-17 46-0743146-17 46-0743446-10 01-0683850-00 26-0115037-11 02-038345821A 46-0764440-00 46-0764440-02 01-0269699-00 46-0743443-00 28 FRONT 71 250	TAPE / DOUBLE SIDED 400 LINEAR TIR LED / AMBER 400 LINEAR TIR LED / BLUE 400 LINEAR TIR LED / BLUE 400 LINEAR TIR LED / WHITE 400 LINEAR TIR LED / RED CABLE 6/C 16 GA 20' HSNG, / 12 POS PIN CMNL not shown CABLE, 9/C COMPOSITE 17' HARNESS, T/A CONTROL HEAD LED not shown CABLE CLAMP 11/16' 400 LED STEADY MAX - AMB HARNESS / ALLEY LIGHT HARNESS / FLASHING TAKE-DOWNS CABLE ASSEMBLY / SCANLOCK 39 10 40
2 2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 A/R A/R A/R A/R A/R A/R A/R A/R	2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	45 46 47 48 49 50 51 52 53 54 55 55 56 57 58 59 60 61	66-0420982-00 01-026B569212 01-026B569222 01-026B569222 01-026B569222 01-026B569242 01-026B569252 46-0710479-01 39-0412014-14 46-0741346-17 46-0743106-00 01-0683850-00 26-0115037-11 02-038345821A 46-0764440-02 01-0269699-00 46-0743443-00 28 FRONT 28 FRONT 28 FRONT 20	TAPE / DOUBLE SIDED 400 LINEAR TIR LED / AMBER 400 LINEAR TIR LED / BLUE 400 LINEAR TIR LED / UNHTE 400 LINEAR TIR LED / GREEN 400 LINEAR TIR LED / GREEN 400 LINEAR TIR LED / RED CABLE 6(2 16 GA 20' HSNG. / 12 POS PIN CMNL not show CABLE, 9/C COMPOSITE 17' HARNESS, T/A CONTROL HEAD LED not shown CABLE CLAMP 11/16' 400 LED STEADY MAX - AMB HARNESS / FLASHING TAKE-DOWNS CABLE ASSEMBLY / SCANLOCK 30 10 10 10 10 10 10 10 10 10 1
2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 A/R A/R A/R A/R A/R A/R A/R A/R	2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	45 46 47 50 51 52 53 54 55 56 57 58 59 60 61	66-0420982-00 01-026B569212 01-026B569222 01-026B569222 01-026B569242 01-026B569242 01-026B569252 46-0710479-01 39-0412014-14 46-0741346-17 46-0741346-17 46-0743106-00 01-0683850-00 26-0115037-11 02-038345821A 46-0764440-02 01-0269699-00 46-0743443-00 28 FROMT 71.250 28 71.250 28	TAPE / DOUBLE SIDED 400 LINEAR TIR LED / AMBER 400 LINEAR TIR LED / BLUE 400 LINEAR TIR LED / UNHITE 400 LINEAR TIR LED / GREEN 400 LINEAR TIR LED / RED CABLE 6(2 16 GA 20' HSNG. / 12 POS PIN CMNL not show CABLE, 9/C COMPOSITE 17' HARNESS, T/A CONTROL HEAD LED not shown CABLE CLAMP 11/16' 400 LED STEADY MAX - AMB HARNESS / FLASHING TAKE-DOWNS CABLE ASSEMBLY / SCANLOCK 30 37 40 39
2 2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 A/R A/R A/R A/R A/R A/R A/R A/R	2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	45 46 47 50 51 52 53 54 55 56 57 58 59 60 61	66-0420982-00 01-026B569212 01-026B569222 01-026B569222 01-026B569222 01-026B569242 01-026B569252 46-0710479-01 39-0412014-14 46-0741346-17 46-0743106-00 01-0683850-00 26-0115037-11 02-038345821A 46-0764440-02 01-0269699-00 46-0743443-00 28 FRONT 28 FRONT 28 FRONT 20	TAPE / DOUBLE SIDED 400 LINEAR TIR LED / AMBER 400 LINEAR TIR LED / BLUE 400 LINEAR TIR LED / UNHTE 400 LINEAR TIR LED / GREEN 400 LINEAR TIR LED / GREEN 400 LINEAR TIR LED / RED CABLE 6(2 16 GA 20' HSNG. / 12 POS PIN CMNL not show CABLE, 9/C COMPOSITE 17' HARNESS, T/A CONTROL HEAD LED not shown CABLE CLAMP 11/16' 400 LED STEADY MAX - AMB HARNESS / FLASHING TAKE-DOWNS CABLE ASSEMBLY / SCANLOCK 30 10 10 10 10 10 10 10 10 10 1
2 2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 A/R A/R A/R A/R A/R A/R A/R A/R	2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61	66-0420982-00 01-026В569212 01-026В569222 01-026В569232 01-026В569242 01-026В569242 01-026В569242 01-026В569252 46-0710479-01 39-0412014-14 46-0741346-17 46-0743106-00 01-0683850-00 26-0115037-11 02-038345821A 46-0764440-02 01-0269699-00 46-07743443-00 40-07743443-00 40-0743443-00 40-0743440-00 40-0743440-00 40-0743440-00 40-0743440-00 40-0743440-00 40-0743440-00 40-0743440-00 40-0743440-00 40-0743440-00 40-0743440-00 40-0743440-00 40-0743440-00 40-0743440-00 40-0743440-00 40-0743400-00 40-0743400-00 40-0743400-00 40-074000000000000000000000000000	TAPE / DOUBLE SIDED 400 LINEAR TIR LED / AMBER 400 LINEAR TIR LED / BLUE 400 LINEAR TIR LED / UNHITE 400 LINEAR TIR LED / GREEN 400 LINEAR TIR LED / RED CABLE 6(2 16 GA 20' HSNG. / 12 POS PIN CMNL not show CABLE, 9/C COMPOSITE 17' HARNESS, T/A CONTROL HEAD LED not shown CABLE CLAMP 11/16' 400 LED STEADY MAX - AMB HARNESS / FLASHING TAKE-DOWNS CABLE ASSEMBLY / SCANLOCK 30 37 40 39
2 2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	2 A/R A/R A/R A/R A/R A/R A/R A/R	2 A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61	66-0420982-00 01-026B569212 01-026B569222 01-026B569222 01-026B569242 01-026B569242 01-026B569252 46-0710479-01 39-0412014-14 46-0741346-17 46-0741346-17 46-0743106-00 01-0683850-00 26-0115037-11 02-038345821A 46-0764440-02 01-0269699-00 46-0743443-00 28 FROMT 71.250 28 71.250 28	TAPE / DOUBLE SIDED 400 LINEAR TIR LED / AMBER 400 LINEAR TIR LED / BLUE 400 LINEAR TIR LED / WHITE 400 LINEAR TIR LED / WHITE 400 LINEAR TIR LED / GREEN 400 LINEAR TIR LED / RED CABLE G/C 16 GA 20' HANG. / 12 POS PIN CMNL not show CABLE, 9/C COMPOSITE 17' HARNESS, T/A CONTROL HEAD LED not shown CABLE CLAMP 11/16" 400 LED STEADY MAX - AMB HARNESS / FLASHING TAKE-DOWNS CABLE ASSEMBLY / SCANLOCK 39 13 40 13 13 13 13 13 13 13 13 13 13