

Installation and Operation Instructions 358118591 QUAD LED Warning Light Head

X OPTICAL SELECT L:Linear



LED COLORS: A:Amber B:Blue C:White R:Red

IMPORTANT: Please read all of the following instructions before installing your new HELLA QUAD LED WARNING LIGHT HEAD.

WARNING!!!!

Failure to install or use this product according to manufacturer's recommendations may result in property damage, serious injury, and/or death to those you seek to protect!

- *Proper installation of this product requires the installer to have a good understanding of automotive electronics, systems and procedures.
- *This product contains high-intensity LEDs. 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.
- *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 reducethe effectiveness of the air bag, or become a projectile that could cause serious personal injury or death. Refer to your vehicle owner manual for the air bag deploymentarea. The User/Installer assumes full responsibility to determine proper mounting location, based on providing ultimate safety to all passengers inside the vehicle.
- *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.
- *Inspect and operate this product regularly to confirm its proper operation and mounting condition. Do not use a pressure washer to clean this product.
- *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.
- *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!

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.

HELLA Quad LED Specification

HELLA .	Quad LED Specification				
Input Voltage	10 - 30VDC]			
Work current	LM6X]			
	1.3A max@DC12V				
	1.0A max@DC24V				
Waterproof	IP67]			
Flash Pattern Select / Mode switch	ire of all units together for Synchronization— Dim— (2A)	GREEN RED RED		VHB 1 (optio	
6			Standard Bracket	Cable	Gripper Bracket
screws					

TROUBLE SHOOTING

The HELLA QUAD LED Warning Lighthead has been factory tested and approved. If the functions of device fail, please check the followings:

- 1. After connecting with the power supply, be sure that the power source end is joined in correct way. And then, make sure that there is no shortcircuited power occurred. Plug device ensure the power switch which have LED is "on" state.
- 2. Press the Pattern Switch to be sure the "OFF" pattern is not selected. If the blue wire touches black wire over 5 seconds, it would switch to OFF pattern. It would be lighted up again when using blue wire touches black wireless 1 second.

WARRANTY (2 YEARS WARRANTY)

This product was tested and found to be operational at the time of manufacture. Provided this product is installed and operated in accordance with the manufacturer's recommendations, HELLA guarantees the QUAD LED Warning Light Head for a period of 2 years from the day of purchase or delivery, whichever is later. Units demonstrated to be defective within the warranty period will be replaced. Improper installation or use of inappropriate or inadequate wiring or circuit protection causes the warranty to be void. Failure or destruction of the product resulting from abuse or unusual use and/or accidents is not covered by this warranty. HELLA shall in no way be liable for other damages including consequential, indirect or special damages whether loss is due to negligence or breach of warranty.

HELLA AUTOMOTIVE SALES ,INC. MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY INCLUDING, WITHOUT LIMITATION, WARRANTIES OF FITNESS OR MERCHANTABILITY, WITH RESPECT THIS PRODUCT.

Screw 4

HELLA QUAD LED Warning light head Wire Function:

				Function			·				
Wire			N	Mode Select							
	Group 1	Group 2	Group 3	Group 4	Group 5	Group 6	Group 7				
Red	Positive			Positive	Positive		Positive				
White		Positive		Positive		Positive	Positive				
Orange			Positive		Positive	Positive	Positive				
Black			Negative								
Blue	Apply ⁻	Γο Negative I	or Pattern S	Switch / Appl	y To Positive	For Dim					
Yellow			Synchr	onized Funct	ion						
Green		Д	pply To Posi	tive For Mode	Switch						

Mode Switch Operation:

Apply Green	wire to Positive:							
Mode 1	Color1							
Mode 2	Color2							
Mode 3	Color3							
Mode 4	Color4							
Mode 5	Color 1&2							
Mode 6	Color 1&3							
Mode 7	Color 1&4							
Mode 8	Color 2&3							
Mode 9	Color 2&4							
Mode 10	Color 3&4							
Mode 11	Color 1&2&3							
Mode 12	Color 1&2&4							
Mode 13	Color 1&3&4							
Mode 14	Color 2&3&4							
Mode 15	Color 1&2&3&4							

Pattern Switch Operation:

Apply Blue to Black wire:										
PUSH TIMES	FUNCTION									
0 ~ 1 sec.	Next pattern									
1 ~ 3 sec.	Previous pattern									
3 ~ 5 sec.	Factory default pattern									
5 ~ sec.	Last pattern									

		LED Color 1	LED Color 2 Mode 2	LED Color 3 Mode3	LED Color 4	LED Color 1 & Color 2	LED Color 1 & Color 3	LED Color 1 & Color 4	LED Color 2 & Color 3	LED Color 2 & Color 4	LED Color 3 & Color 4	LED Color1 & Color2 & Color3	LED Color1 & Color2 & Color4	LED Color1 & Color3 & Color4	LED Color2 & Color3 & Color4	LED Color1 & Color2 & Color3 & Color4 Mode15		SYNC
		1 2	Modez	Mode3	Mode4	Modeo	M0d69	Mode/	Mode8	Modey	Mode IU	Modell	Mode 12	Mode 13	M00014	M00612	Single 75FPM Ph1 Color 1 Single 75FPM Ph2 Color 1	yes yes
			1 2														Single 75FPM Ph1 Color 2 Single 75FPM Ph2 Color 2	yes yes
				1 2													Single 75FPM Ph1 Color 3 Single 75FPM Ph2 Color 3	yes yes
					1 2												Single 75FPM Ph1 Color 4 Single 75FPM Ph2 Color 4	yes yes
						1 2											Single 75FPM Ph1 Color 1 Alternately Color 2 Single 75FPM Ph2 Color 1 Alternately Color 2	yes yes
							1 2										Single 75FPM Ph1 Color 1 Alternately Cobr 3 Single 75FPM Ph2 Color 1 Alternately Cobr 3	yes yes
								1 2									Single 75FPM Ph1 Color 1 Alternately Color 4 Single 75FPM Ph2 Color 1 Alternately Color 4	yes
1	Single 75FPM							_	1 2								Single 75FPM Ph1 Color 2 Alternately Color 3 Single 75FPM Ph2 Color 2 Alternately Color 3	yes yes
										1 2							Single 75FPM Ph1 Color 2 Alternately Color 4 Single 75FPM Ph2 Color 2 Alternately Color 4	yes yes
											1 2						Single 75FPM Ph1 Color 3 Alternately Color 4 Single 75FPM Ph2 Color 3 Alternately Color 4	yes yes
												1 2					Single 75FPM Ph1 Color 1 Alternately Color 2 Alternately Color 3 Single 75FPM Ph2 Color 1 Alternately Color 2 Alternately Color 3	yes yes
													1 2				Single 75FPM Ph1 Color 1 Alternately Color 2 Alternately Color 4 Single 75FPM Ph2 Color 1 Alternately Color 2 Alternately Color 4	yes yes
														1 2			Single 75FPM Ph1 Color 1 Alternately Color 3 Alternately Color 4 Single 75FPM Ph2 Color 1 Alternately Color 3 Alternately Color 4	yes yes
															1 2		Single 75FPM Ph1 Color 2 Alternately Color 3 Alternately Color 4 Single 75FPM Ph2 Color 2 Alternately Color 3 Alternately Color 4	yes
																1 2	Single 75FPM Ph1 Color 1 Alternately Color 2 Alternately Color 3 Alternately Color 4 Single 75FPM Ph2 Color 1 Alternately Color 2 Alternately Color 3 Alternately Color 4	yes yes
		3															Single 120FPM Ph1 Color 1 Single 120FPM Ph2 Color 1	yes yes
			3														Single 120FPM Ph1 Color 2 Single 120FPM Ph2 Color 2	yes yes
				3 4													Single 120FPM Ph1 Color 3 Single 120FPM Ph2 Color 3	yes yes
					3 4												Single 120FPM Ph1 Color 4 Single 120FPM Ph2 Color 4	yes
						3 4											Single 120FPM Ph1 Color 1 Alternately Color 2 Single 120FPM Ph2 Color 1 Alternately Color 2	yes yes
							3 4										Single 120FPM Ph1 Color 1 Alternately Color 3 Single 120FPM Ph2 Color 1 Alternately Color 3	yes
								3 4									Single 120FPM Ph1 Color 1 Alternately Color 4 Single 120FPM Ph2 Color 1 Alternately Color 4	yes yes
2	Single 120FPM								3 4								Single 120FPM Ph1 Color 2 Alternately Color 3 Single 120FPM Ph2 Color 2 Alternately Color 3	yes yes
										3 4							Single 120FPM Ph1 Color 2 Alternately Color 4 Single 120FPM Ph2 Color 2 Alternately Color 4	yes yes
											3						Single 120FPM Ph1 Color 3 Alternately Color 4 Single 120FPM Ph2 Color 3 Alternately Color 4	yes yes
												3 4					Single 120FPM Ph1 Color 1 Alternately Color 2 Alternately Color 3 Single 120FPM Ph2 Color 1 Alternately Color 2 Alternately Color 3	yes
													3				Single 120FPM Ph1 Color 1 Alternately Color 2 Alternately Color 4 Single 120FPM Ph2 Color 1 Alternately Color 2 Alternately Color 4	yes yes
														3			Single 120FPM Ph1 Color 1 Alternately Color 3 Alternately Color 4 Single 120FPM Ph2 Color 1 Alternately Color 3 Alternately Color 4	yes yes
															3		Single 120FPM Ph1 Color 2 Alternately Color 3 Alternately Color 4 Single 120FPM Ph2 Color 2 Alternately Color 3 Alternately Color 4	yes yes
																3	Single 120FPM Ph1 Color 1 Alternately Color 2 Alternately Color 3 Alternately Color 4 Single 120FPM Ph2 Color 1 Alternately Color 2 Alternately Color 3 Alternately Color 4	yes yes
		5															Single 375FPM Ph1 Color 1 Single 375FPM Ph2 Color 1	yes yes
			5														Single 375FPM Ph1 Color 2 Single 375FPM Ph2 Color 2	yes yes
				5													Single 375FPM Ph1 Color 3 Single 375FPM Ph2 Color 3	yes yes
					5 6												Single 375FPM Ph1 Color 4 Single 375FPM Ph2 Color 4	yes yes
						5 6											Single 375FPM Ph1 Color 1 Alternately Color 2 Single 375FPM Ph2 Color 1 Alternately Color 2	yes yes
							5										Single 375FPM Ph1 Color 1 Alternately Color 3 Single 375FPM Ph2 Color 1 Alternately Color 3	yes yes
								5									Single 375FPM Ph1 Color 1 Alternately Color 4 Single 375FPM Ph2 Color 1 Alternately Color 4	yes yes
3	Single 375FPM								5								Single 375FPM Ph1 Color 2 Alternately Color 3 Single 375FPM Ph2 Color 2 Alternately Color 3	yes yes
										5							Single 375FPM Ph1 Color 2 Alternately Color 4 Single 375FPM Ph2 Color 2 Alternately Color 4	yes
											5 6						Single 375FPM Ph1 Color 3 Alternately Color 4 Single 375FPM Ph2 Color 3 Alternately Color 4	yes
												6					Single 375FPM Ph1 Color 1 Alternately Color 2 Alternately Color 3 Single 375FPM Ph2 Color 1 Alternately Color 2 Alternately Color 3	yes
													6				Single 375FPM Ph1 Color 1 Alternately Color 2 Alternately Color 4 Single 375FPM Ph2 Color 1 Alternately Color 2 Alternately Color 4	yes
														5			Single 375FPM Ph1 Color 1 Alternately Color 3 Alternately Color 4 Single 375FPM Ph2 Color 1 Alternately Color 3 Alternately Color 4 Fingle 375FPM Ph2 Color 1 Alternately Color 3 Alternately Color 4 Fingle 375FPM Ph1 Color 3 Alternately Color 4	yes
															5		Single 375FPM Ph1 Color 2 Alternately Color 3 Alternately Color 4 Single 375FPM Ph2 Color 2 Alternately Color 3 Alternately Color 4	yes
L																6	Single 375FPM Ph1 Color 1 Alternately Color 2 Alternately Color 3 Alternately Color 4 Single 375FPM Ph2 Color 1 Alternately Color 2 Alternately Color 3 Alternately Color 4	yes
		7 8															Double 75FPM Ph1 Color 1 Double 75FPM Ph2 Color 1	yes
			7 8														Double 75FPM Ph1 Color 2 Bouble 75FPM Ph2 Color 2	yes
				7 8													Double 75FPM Ph1 Color 3 Double 75FPM Ph2 Color 3	yes
					7 8	7											Double 75FPM Ph1 Color 4 Double 75FPM Ph2 Color 4 Double 75FPM Ph2 Color 4	yes yes
						7 8	2										Double 75FPM Ph1 Color 1 Alternately Color 2 Double 75FPM Ph2 Color 1 Alternately Color 2 Double 75FPM Ph2 Color 1 Alternately Color 2 Double 75FPM Ph1 Color 1 Alternately Color 2	yes yes
							7 8	7									Double 75FPM Ph1 Color 1 Alternately Color 3 Double 75FPM Ph2 Color 1 Alternately Color 3 Double 75FPM Ph1 Color 1 Alternately Color 4	yes yes
								8	7								Double 75FPM Ph2 Color 1 Alternately Color 4	yes yes
4	Double 75FPM								8	2							Double 75FPM Ph1 Color 2 Alternately Color 3 Double 75FPM Ph2 Color 2 Alternately Color 3 Double 75FPM Ph1 Color 2 Alternately Color 4	yes yes
										8	7						Bouble 75FPM Ph1 Color 2 Alternately Color 4 Double 75FPM Ph2 Color 2 Alternately Color 4 Double 75FPM Ph1 Color 3 Alternately Color 4	yes yes
											8	2					Double 75FPM Ph I Color 3 Alternately Color 4 Double 75FPM Ph I Color 3 Alternately Color 4 Double 75FPM Ph I Color 1 Alternately Color 2 Alternately Color 3	yes yes
												7 8	7				Double 75FPM Ph2 Color 1 Alternately Color 2 Alternately Color 3	yes yes
													8	7			Double 75FPM Ph1 Color 1 Alternately Color 2 Alternately Color 4 Double 75FPM Ph2 Color 1 Alternately Color 2 Alternately Color 4 Double 75FPM Ph1 Color 1 Alternately Color 3 Alternately Color 4	yes yes
														8	7		Double 75FPM PHI COOR 1 Alternately Color 3 Alternately Color 4 Double 75FPM PhI Color 1 Alternately Color 3 Alternately Color 4 Double 75FPM PhI Color 2 Alternately Color 3 Alternately Color 4	yes yes
															8	7	Double 75FPM Ph2 Color 2 Alternately Color 3 Alternately Color 4 Double 75FPM Ph1 Color 1 Alternately Color 3 Alternately Color 4 Double 75FPM Ph1 Color 1 Alternately Color 2 Alternately Color 3 Alternately Color 4	yes yes
L																8	Double 75FPM Ph2 Color 1 Alternately Color 2 Alternately Color 3 Alternately Color 4	yes

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		LED Color 1	LED Color 2	LED Color 3	LED Color 4	LED Color 1 & Color 2	LED Color 1 & Color 3	LED Color 1 & Color 4	LED Color 2 & Color 3	LED Color 2 & Color 4	LED Color 3 & Color 4	LED Color1 & Color2 & Color3	LED Color1 & Color2 & Color4	LED Color1 & Color3 & Color4	LED Color2 & Color3 & Color4	LED Color1 & Color2 & Color3 & Color4		SYNC
L		Mode1	Mode2	Mode3	Mode4	Mode5	Mode6	Mode7	Mode8	Mode9	Mode 10	Mode 11	Mode12	Mode 13	Mode14	Mode 15		
		9															Double 120FPM Ph1 Color 1 Double 120FPM Ph2 Color 1	yes yes
			9														Double 120FPM Ph1 Color 2 Double 120FPM Ph2 Color 2	yes
				9													Double 120FPM Ph1 Color 3 Double 120FPM Ph2 Color 3	yes yes
					9												Double 120FPM Ph1 Color 4 Double 120FPM Ph2 Color 4	yes yes
						9											Double 120FPM Ph1 Color 1 Alternately Color 2 Double 120FPM Ph2 Color 1 Alternately Color 2	yes
							9										Double 120FPM Ph1 Color 1 Alternately Color 3 Double 120FPM Ph2 Color 1 Alternately Color 3	yes yes
								9									Double 120FPM Ph1 Color 1 Alternately Color 4 Double 120FPM Ph2 Color 1 Alternately Color 4	yes
5	Double 120FPM								9								Double 120FPM Ph1 Color 2 Alternately Color 3 Double 120FPM Ph2 Color 2 Alternately Color 3	yes
										9							Double 120FPM Ph1 Color 2 Alternately Color 4 Double 120FPM Ph2 Color 2 Alternately Color 4	yes yes
											9						Double 120FPM Ph1 Color 3 Alternately Color 4 Double 120FPM Ph2 Color 3 Alternately Color 4	yes yes
												9					Double 120FPM Ph1 Color 1 Alternately Color 2 Alternately Color 3 Double 120FPM Ph2 Color 1 Alternately Color 2 Alternately Color 3	yes yes
													9				Double 120FPM Ph1 Color 1 Alternately Color 2 Alternately Color 4 Double 120FPM Ph2 Color 1 Alternately Color 2 Alternately Color 4	yes yes
														9			Double 120FPM Ph1 Color 1 Alternately Color 3 Alternately Color 4 Double 120FPM Ph2 Color 1 Alternately Color 3 Alternately Color 4	yes yes
															9		Double 120FPM Ph1 Color 2 Alternately Color 3 Alternately Color 4 Double 120FPM Ph2 Color 2 Alternately Color 3 Alternately Color 4	yes yes
																9	Double 120FPM Ph1 Color 1 Alternately Color 2 Alternately Color 3 Alternately Color 4 Double 120FPM Ph2 Color 1 Alternately Color 2 Alternately Color 3 Alternately Color 4	yes yes
		11 12															Triple 75FPM Ph1 Color 1 Triple 75FPM Ph2 Color 1	yes
			11														Triple 75FPM Ph1 Color 2 Triple 75FPM Ph2 Color 2	yes yes
				11 12													Triple 75FPM Ph1 Color 3 Triple 75FPM Ph2 Color 3	yes yes
1					11												Triple 75FPM Ph1 Color 4 Triple 75FPM Ph2 Color 4	yes yes
					"-	11 12											Triple 75FPM Ph1 Color 1 Alternately Color 2 Triple 75FPM Ph2 Color 1 Alternately Color 2	yes yes
							11										Triple 75FPM Ph1 Color 1 Alternately Color 3 Triple 75FPM Ph2 Color 1 Alternately Color 3	yes
							12	11									Triple 75FPM Ph1 Color 1 Alternately Color 4 Triple 75FPM Ph2 Color 1 Alternately Color 4	yes
6	Triple 75FPM							12	11								Triple 75FPM Ph1 Color 2 Alternately Color 3	yes
									12	11							Triple 75FPM Ph2 Color 2 Alternately Color 3 Triple 75FPM Ph1 Color 2 Alternately Color 4	yes yes
										12	11						Triple 75FPM Ph2 Color 2 Alternately Color 4 Triple 75FPM Ph1 Color 3 Alternately Color 4	yes yes
											12	11					Triple 75FPM Ph2 Color 3 Alternately Color 4 Triple 75FPM Ph1 Color 1 Alternately Color 2 Alternately Color 3	yes
												12	11				Triple 75FPM Ph2 Color 1 Alternately Color 2 Alternately Color 3 Triple 75FPM Ph1 Color 1 Alternately Color 2 Alternately Color 4	yes
													12	11			Triple 75FPM Ph2 Color 1 Alternately Color 2 Alternately Color 4 Triple 75FPM Ph1 Color 1 Alternately Color 3 Alternately Color 4	yes
														12	11		Triple 75FPM Ph2 Color 1 Alternately Color 3 Alternately Color 4 Triple 75FPM Ph1 Color 2 Alternately Color 3 Alternately Color 4	yes
															12	11	Triple 75FPM Ph2 Color 2 Alternately Color 3 Alternately Color 4 Triple 75FPM Ph1 Color 1 Alternately Color 2 Alternately Color 3 Alternately Color 4	yes
-		13														12	Triple 75FPM Ph2 Color 1 Alternately Color 2 Alternately Color 3 Alternately Color 4 Quad 75FPM Ph1 Color 1	yes yes
		14	13														Quad 75FPM Ph2 Color 1 Quad 75FPM Ph1 Color 2	yes yes
			14														Quad 75FPM Ph2 Color 2 Quad 75FPM Ph1 Color 3	yes
				13														yes
				13 14	13												Quad 75FPM Ph2 Color 3 Quad 75FPM Ph1 Color 4	yes yes yes
					13	13												yes
						13	13										Quad 75FPM Ph1 Color 4 Quad 75FPM Ph2 Color 4	yes yes yes yes
							13	13									Duad 75FPM Ph1 Color 4 Quad 75FPM Ph2 Color 1 Quad 75FPM Ph2 Color 1 Alternately Color 2 Quad 75FPM Ph2 Color 1 Alternately Color 2 Quad 75FPM Ph1 Color 1 Alternately Color 3 Quad 75FPM Ph1 Color 1 Alternately Color 3 Quad 75FPM Ph2 Color 1 Alternately Color 3	yes yes yes
								13 14	13								Diad 75FPM Ph1 Color 4 Quad 75FPM Ph2 Color 4 Quad 75FPM Ph2 Color 1 Alternately Color 2 Quad 75FPM Ph2 Color 1 Alternately Color 2 Quad 75FPM Ph2 Color 1 Alternately Color 2 Quad 75FPM Ph2 Color 1 Alternately Color 3 Quad 75FPM Ph1 Color 1 Alternately Color 3 Quad 75FPM Ph1 Color 1 Alternately Color 3 Quad 75FPM Ph1 Color 1 Alternately Color 4 Quad 75FPM Ph1 Color 1 Alternately Color 4	yes
7	Quad 75FPM								13 14	13							Duad 75FPM Ph I Color 4 Quad 75FPM Ph Color 1 Quad 75FPM Ph Color 1 Alternately Color 2 Quad 75FPM Ph Color 1 Alternately Color 2 Quad 75FPM Ph Color 1 Alternately Color 3 Quad 75FPM Ph Color 1 Alternately Color 3 Quad 75FPM Ph Color 1 Alternately Color 3 Quad 75FPM Ph Color 1 Alternately Color 4 Quad 75FPM Ph Color 1 Alternately Color 4 Quad 75FPM Ph Color 2 Alternately Color 4 Quad 75FPM Ph Color 2 Alternately Color 3	yes
7	Quad 75FPM									13	13						Duad 75FPM Ph I Color 4 Duad 75FPM Ph Color 1 Alternately Color 2 Duad 75FPM Ph Color 1 Alternately Color 2 Duad 75FPM Ph Color 1 Alternately Color 2 Duad 75FPM Ph Color 1 Alternately Color 3 Duad 75FPM Ph Color 1 Alternately Color 3 Duad 75FPM Ph Color 1 Alternately Color 3 Duad 75FPM Ph Color 1 Alternately Color 4 Duad 75FPM Ph Color 1 Alternately Color 4 Duad 75FPM Ph Color 2 Alternately Color 3 Duad 75FPM Ph Color 2 Alternately Color 4 Duad 75FPM Ph Color 2 Color 2 Alternately Color 4	yes
7	Quad 75FPM										13 14	13					Daud 75FPM Ph I Color 4 Daud 75FFM Ph I Color 1 Daud 75FFM Ph I Color 1 Alternately Color 2 Daud 75FFM Ph I Color 1 Alternately Color 2 Daud 75FFM Ph I Color 1 Alternately Color 2 Daud 75FFM Ph I Color 1 Alternately Color 3 Daud 75FFM Ph I Color 1 Alternately Color 3 Daud 75FFM Ph I Color 1 Alternately Color 3 Daud 75FFM Ph I Color 1 Alternately Color 4 Daud 75FFM Ph I Color 1 Alternately Color 4 Daud 75FFM Ph I Color 2 Alternately Color 3 Daud 75FFM Ph I Color 2 Alternately Color 3 Daud 75FFM Ph I Color 2 Alternately Color 3 Daud 75FFM Ph I Color 2 Alternately Color 4 Daud 75FFM Ph I Color 2 Alternately Color 4 Daud 75FFM Ph I Color 2 Alternately Color 4 Daud 75FFM Ph I Color 3 Alternately Color 4 Daud 75FFM Ph I Color 3 Alternately Color 4 Daud 75FFM Ph I Color 3 Alternately Color 4 Daud 75FFM Ph I Color 3 Delenately Color 4	yes
7	Quad 75FPM											13 14	13				Daud 75FPM Ph I Color 4 Daud 75FPM Ph I Color 1 Daud 75FPM Ph I Color 2 Daud 75FPM Ph I Color 3 Daud 75FPM Ph I Color	yes
7	Quad 75FPM												13 14	13			Daud 75FPM Ph Cober 4 Daud 75FPM Ph Cober 1 Daud 75FPM Ph Cober 2 Daud 75FPM Ph Cober 3 Daud 75FPM Ph Cober 1 Daud 75FPM Ph Cober 2	yes
7	Quad 75FPM													13 14	13		Daud 75FPM Ph Cobr 4 Daud 75FPM Ph Cobr 1 Daud 75FPM Ph Cobr 2 Daud 75FPM Ph Cobr 3 Daud 75FPM Ph Cobr 1 Daud 75FPM Ph Cobr 3 Daud 75FPM Ph Cobr 1	yes
7	Quad 75FPM														13 14	13	Duad 75FPM Ph Color 4 Duad 75FFM Ph Color 1 Alternately Color 2 Duad 75FFM Ph Color 1 Alternately Color 2 Duad 75FFM Ph Color 1 Alternately Color 2 Duad 75FFM Ph Color 1 Alternately Color 3 Duad 75FFM Ph Color 1 Alternately Color 4 Duad 75FFM Ph Color 1 Alternately Color 3 Duad 75FFM Ph Color 2 Alternately Color 3 Duad 75FFM Ph Color 2 Alternately Color 3 Duad 75FFM Ph Color 3 Alternately Color 4 Duad 75FFM Ph Color 1 Alternately Color 2 Alternately Color 3 Duad 75FFM Ph Color 1 Alternately Color 2 Alternately Color 3 Duad 75FFM Ph Color 1 Alternately Color 2 Alternately Color 3 Duad 75FFM Ph Color 1 Alternately Color 2 Alternately Color 3 Duad 75FFM Ph Color 1 Alternately Color 2 Alternately Color 3 Duad 75FFM Ph Color 1 Alternately Color 2 Alternately Color 4 Duad 75FFM Ph Color 1 Alternately Color 3 Alternately Color 4 Duad 75FFM Ph Color 1 Alternately Color 3 Alternately Color 4 Duad 75FFM Ph Color 1 Color 1 Color 3 Color 3 Alternately Color 4 Duad 75FFM Ph Color 1 Color 1 Color 3 Color 3 Alternately Color 4	yes
7	Quad 75FPM	15														13 14	Daud 75FPM Ph Cobir 4 Daud 75FPM Ph Cobir 1 Daud 75FPM Ph Cobir 2 Daud 75FPM Ph Cobir 3 Daud 75FPM Ph Cobir 1 Daud 75FPM Ph Cobir 2 Daud 75FPM Ph Cobir 2 Daud 75FPM Ph Cobir 3	yes
7	Quad 75FPM	15 16	15														Daud 75FPM Ph Cobir 4 Daud 75FPM Ph Cobir 1 Daud 75FPM Ph Cobir 2 Daud 75FPM Ph Cobir 3 Daud 75FPM Ph Cobir 1 Daud 75FPM Ph Cobir 2 Daud 75FPM Ph Cobir 2 Daud 75FPM Ph Cobir 3	Yes
7	Quad 75FPM		15	14													Daud 75FPM Ph Cobir 4 Daud 75FPM Ph Cobir 1 Alternately Cobir 2 Daud 75FPM Ph Cobir 1 Alternately Cobir 2 Daud 75FPM Ph Cobir 1 Alternately Cobir 2 Daud 75FPM Ph Cobir 1 Alternately Cobir 3 Daud 75FPM Ph Cobir 1 Alternately Cobir 3 Daud 75FPM Ph Cobir 1 Alternately Cobir 3 Daud 75FPM Ph Cobir 1 Alternately Cobir 4 Daud 75FPM Ph Cobir 1 Alternately Cobir 4 Daud 75FPM Ph Cobir 2 Alternately Cobir 4 Daud 75FPM Ph Cobir 2 Alternately Cobir 3 Daud 75FPM Ph Cobir 2 Alternately Cobir 4 Daud 75FPM Ph Cobir 2 Alternately Cobir 4 Daud 75FPM Ph Cobir 3 Alternately Cobir 4 Daud 75FPM Ph Cobir 3 Alternately Cobir 4 Daud 75FPM Ph Cobir 3 Alternately Cobir 4 Daud 75FPM Ph Cobir 1 Alternately Cobir 2 Alternately Cobir 3 Daud 75FPM Ph Cobir 1 Alternately Cobir 2 Alternately Cobir 3 Daud 75FPM Ph Cobir 1 Alternately Cobir 2 Alternately Cobir 4 Daud 75FPM Ph Cobir 1 Alternately Cobir 3 Daud 75FPM Ph Cobir 1 Alternately Cobir 4 Daud 75FPM Ph Cobir 1 Altern	yes
7	Quad 75FPM				14												Daud 75FPM Ph Color 4 Daud 75FPM Ph Color 1 Daud 75FPM Ph Color 2 Daud 75FPM Ph Color 3 Daud 75FPM Ph Color 1 Daud 75FPM Ph Color 2 Daud 75FPM Ph Color 1 Daud 75FPM Ph Color 2 Daud 75FPM Ph Color 1 Daud 75FPM Ph Color 2 Daud 75FPM Ph Color 3	Yes
7	Quad 75FPM			14		14											Daud 75FPM Ph Cobr 4 Daud 75FPM Ph Cobr 4 Daud 75FPM Ph Cobr 1 Alternately Cobr 2 Daud 75FPM Ph Cobr 1 Alternately Cobr 2 Daud 75FPM Ph Cobr 1 Alternately Cobr 3 Daud 75FPM Ph Cobr 2 Alternately Cobr 4 Daud 75FPM Ph Cobr 2 Alternately Cobr 3 Daud 75FPM Ph Cobr 3 Alternately Cobr 4 Daud 75FPM Ph Cobr 3 Alternately Cobr 3 Daud 75FPM Ph Cobr 1 Alternately Cobr 2 Alternately Cobr 3 Daud 75FPM Ph Cobr 1 Alternately Cobr 2 Alternately Cobr 3 Daud 75FPM Ph Cobr 1 Alternately Cobr 2 Alternately Cobr 4 Daud 75FPM Ph Cobr 1 Alternately Cobr 3 Alternately Cobr 4 Daud 75FPM Ph Cobr 1 Alternately Cobr 3 Alternately Cobr 4 Daud 75FPM Ph Cobr 1 Alternately Cobr 3 Alternately Cobr 4 Daud 75FPM Ph Cobr 1 Alternately Cobr 3 Alternately Cobr 4 Daud 75FPM Ph Cobr 1 Alternately Cobr 3 Alternately Cobr 4 Daud 75FPM Ph Cobr 1 Alternately Cobr 3 Alternately Cobr 4 Daud 75FPM Ph Cobr 1 Alternately Cobr 3 Alternately Cobr 4 Daud 75FPM Ph Cobr 1 Alternately Cobr 3 Alternately Cobr 4 Daud 75FPM Ph Cobr 1 Alternately Cobr 2 Alternately Cobr 3 Alternately Cobr 4 Daud 75FPM Ph Cobr 1 Alternately Cobr 2 Alternately Cobr 3 Alternately Cobr 4 Daud 15FPM Ph Cobr 1 Cobr 1 Alternately Cobr 3 Alternately Cobr 4 Daud 15FPM Ph Cobr 1 Cobr 1 Alternately Cobr 3 Alternately Cobr 3 Alternately Cobr 3 Alternately Cobr 4 Daud 15FPM Ph Cobr 1 Cobr 3 Daud 15FPM Ph Cobr 2 Cobr 3 Daud 15FPM Ph Cobr 3	Yes
7	Quad 75FPM			14	14		14										Daud 75FPM Ph Cobr 4 Daud 75FPM Ph Cobr 1 Daud 75FPM Ph Cobr 2 Daud 75FPM Ph Cobr 3 Daud 75FPM Ph Cobr 1 Daud 75FPM Ph Cobr 2 Daud 75FPM Ph Cobr 2 Daud 75FPM Ph Cobr 3 Daud 15FPM Ph Cobr 2 Daud 15FPM Ph Cobr 3 Daud 15FPM Ph Cobr 2 Daud 15FPM Ph Cobr 3	\text{YES}
7	Quad 75FPM			14	14	14		14									Daud 75FPM Ph Cobir 4 Daud 75FPM Ph Cobir 1 Daud 75FPM Ph Cobir 2 Daud 75FPM Ph Cobir 3 Daud 75FPM Ph Cobir 1	\(\frac{\partial \text{yes}}{\partial \text{yes}}\) \(\partial \
7	Quad 75FPM			14	14	14	14		14								Daud 75FPM Ph Cobir 4 Daud 75FPM Ph Cobir 1 Daud 75FPM Ph Cobir 2 Daud 75FPM Ph Cobir 3	\(\frac{\partial}{\partial}\) \(\frac{\partial}\partial\) \(\frac{\partial}{\partial}\) \(
7	Quad 75FPM Quad 150FPM			14	14	14	14	14		14							Daud 75FPM Ph Cobir 4 Daud 75FPM Ph Cobir 1 Daud 75FPM Ph Cobir 2 Daud 75FPM Ph Cobir 3	Yes
7				14	14	14	14	14	14		14						Daud 75FPM Ph Cobr 4 Daud 75FPM Ph Cobr 1 Daud 75FPM Ph Cobr 2 Daud 75FPM Ph Cobr 3	\(\frac{\partial}{\partial}\) \(\frac{\partial}\partial\) \(\frac{\partial}{\partial}\) \(
7				14	14	14	14	14	14	14		14					Daud 75FPM Ph Cobr 4 Daud 75FPM Ph Cobr 1 Daud 75FPM Ph Cobr 2 Daud 75FPM Ph Cobr 3	\(\frac{\partial}{\partial}\) \(\frac{\partial}\partial\) \(\frac{\partial}{\partial}\) \(
7				14	14	14	14	14	14	14	16		14				Daud 75FPM Ph Cobir 1 Daud 75FPM Ph Cobir 2 Daud 75FPM Ph Cobir 3	\(\frac{1}{16}\) \(\fra
7				14	14	14	14	14	14	14	16	14		14			Daud 75FPM Ph Cobr 4 Daud 75FPM Ph Cobr 1 Daud 75FPM Ph Cobr 2 Daud 75FPM Ph Cobr 3 Daud 75FPM Ph Cobr 1 Daud 75FPM Ph Cobr 2 Daud 75FPM Ph Cobr 3	\(\frac{\partial}{\partial}\) \(\frac{\partial}\partial\) \(\frac{\partial}{\partial}\) \(
7				14	14	14	14	14	14	14	16	14	14				Daud 75FPM Ph Cobor 4 Daud 75FPM Ph Cobor 1 Daud 75FPM Ph Cobor 2 Daud 75FPM Ph Cobor 3 Daud 75FPM Ph Cobor 1 Daud 75FPM Ph Cobor 2 Daud 15FPM Ph Cobor 1 Daud 15FPM Ph Cobor 2 Daud 15FPM Ph Cobor 3	\text{YES}
8				14	14	14	14	14	14	14	16	14	14	14			Daud 75FPM Ph Cobor 4 Daud 75FPM Ph Cobor 1 Daud 75FPM Ph Cobor 2 Daud 75FPM Ph Cobor 3	\(\frac{1}{2}\) \(\frac{1}\) \(\frac{1}{2}\) \(\frac{1}{2}\) \(\frac{1}{2}\) \(\frac{1}{2}\) \(\frac{1}{2}\) \

		LED	LED	LED	LED	LED	LED	LED	LED	LED	LED	LED	LED	LED	LED	LED		T
		Color 1	Color 2	Color 3	Color 4	Color 1 &	Color 1 &	Color 1 &	Color 2 &	Color 2 &	Color 3 &	Color1 &	Color1 &	Color1 &	Color2 &	Color1 &		
	El l.					Color 2	Color 3	Color 4	Color 3	Color 4	Color 4	Color2 &	Color2 &	Color3 &	Color3 &	Color2 &	B	01410
	Flash											Color3	Color4	Color4	Color4	Color3 &	Pattern	SYNC
																Color4		
		Group1	Group2	Group3	Group4	Group5	Group6	Group7	Group8	Group9	Group10	Group11	Group12	Group13	Group14	Group15		
		17															NFPA-Quad Flash 90FPM Color 1	no
0	NFPA-Quad Flash		17														NFPA-Quad Flash 90FPM Color 2	no
'	90FPM			17													NFPA-Quad Flash 90FPM Color 3	no
					17												NFPA-Quad Flash 90FPM Color 4	no
		18															ModuFlash sim. Color 1	no
			18														ModuFlash sim. Color 2	no
				18													ModuFlash sim. Color 3	no
					18												ModuFlash sim. Color 4	no
						17											ModuFlash Color 1 Alternately Color 2	no
							17										ModuFlash Color 1 Alternately Color 3	no
								17									ModuFlash Color 1 Alternately Color 4	no
10	ModuFlash								17								ModuFlash Color 2 Alternately Color 3	no
										17							ModuFlash Color 2 Alternately Color 4	no
											17						ModuFlash Color 3 Alternately Color 4	no
												17					ModuFlash Color 1 Alternately Color 2 Alternately Color 3	no
													17				ModuFlash Color 1 Alternately Color 2 Alternately Color 4	no
														17			ModuFlash Color 1 Alternately Color 3 Alternately Color 4	no
															17		ModuFlash Color 2 Alternately Color 3 Alternately Color 4	no
																17	ModuFlash Color 1 Alternately Color 2 Alternately Color 3 Alternately Color 4	no
		19															2 Double Flash 2 Quad Flash Color 1	no
1.1	2 Double Flash,2		19														2 Double Flash,2 Quad Flash Color 2	no
111	Quad Flash			19													2 Double Flash,2 Quad Flash Color 3	no
					19												2 Double Flash,2 Quad Flash Color 4	no
		20															4 Single Flash ,2 Triple Flash Color 1	no
10	4 Single Flash ,2		20														4 Single Flash ,2 Triple Flash Color 2	no
12	Triple Flash			20													4 Single Flash ,2 Triple Flash Color 3	no
					20												4 Single Flash ,2 Triple Flash Color 4	no
		21															Autorun Color 1	no
			21														Autorun Color 2	no
				21													Autorun Color 3	no
					21												Autorun Color 4	no
						18											Autorun Color 1 Alternately Color 2	no
							18										Autorun Color 1 Alternately Color 3	no
								18									Autorun Color 1 Alternately Color 4	no
13	Autorun								18								Autorun Color 2 Alternately Color 3	no
										18							Autorun Color 2 Alternately Color 4	no
											18						Autorun Color 3 Alternately Color 4	no
												18					Autorun Color 1 Alternately Color 2 Alternately Color 3	no
													18				Autorun Color 1 Alternately Color 2 Alternately Color 4	no
														18			Autorun Color 1 Alternately Color 3 Alternately Color 4	no
															18		Autorun Color 2 Alternately Color 3 Alternately Color 4	no
																18	Autorun Color 1 Alternately Color 2 Alternately Color 3 Alternately Color 4	no
		23															steady burn Color 1	no
1,,			22														steady burn Color 2	no
14				22													steady burn Color 3	no
					22												steady burn Color 4	no

Synchronize Feature:

Maximum of 8 LM6L-P1 Series can be synchronized.

Phase Operation:

Phase 1 (Ph1) flashes simultaneously with Ph1 Phase 2 (Ph2) flashes simultaneously with Ph2 Ph1 alternates with Ph2.