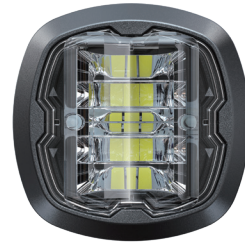


12~24VDC

CR06-W

Crown Series Wide Angle Version



FEATURES

- Unique 6-LED optic design provides wide-angle warning and expanded visibility.
- 4 units offer a 270 degree warning coverage approved to ECE R65, Cat. HT Class 2 (Blue & Red), Class 1 (Amber).
- 1 unit offers a 120 degree warning coverage to meet SAE J845 Class 1.
- Pop-n-Lock: Quick one-step installation with unique snap-on grommet design.
- Featuring independent cruise mode in calmly steady burn.
- All-in-one self-contained for easy and versatile installation without external flasher.
- Multi-units synchronization in simultaneous or alternating flash.
- Reverse polarity protection.
- Weather proof and vibration resistant design for external or internal use.

SPECIFICATIONS

Compliance: ECE R65 Cat. HT Class 2 (Blue & Red), Class 1 (Amber); ECE R10; SAE J595 Class 1; SAE J845 Class 1 (120° Blue & Red; 110° Amber & White);

IP Rating: IPX7

LED Elements: High Power LED x 6 pcs;

No. of Warning Patterns: 17

Operating Voltage: 12~24V

Avg. Current: 0.84A @12VDC / 0.42A @24VDC (varies with flash pattern)

Avg. Power: 10.0 Watts (varies with flash pattern)

Max. Current: 1.68A @12VDC / 0.81A @24VDC

Max. Power: 20.2 Watts

Wires: Red-Vcc : 21cm (24AWG)
 Black-GND : 21cm (24AWG)
 White-Low Power Operation: 21cm (24AWG)
 Green-Cruise Mode: 21cm (24AWG)
 Yellow-Flash Patterns & Sync : 21cm (24AWG)

Fuse Recommended: 3A

Multi-Unit Synchronization: Up to 20 units

LED Color: Amber, Blue, Red and White

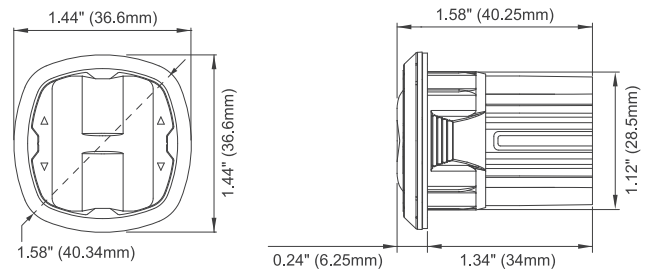
Lens Color: Clear

Storage Temp.: -40°C to +75°C

Working Temp.: -30°C to +65°C

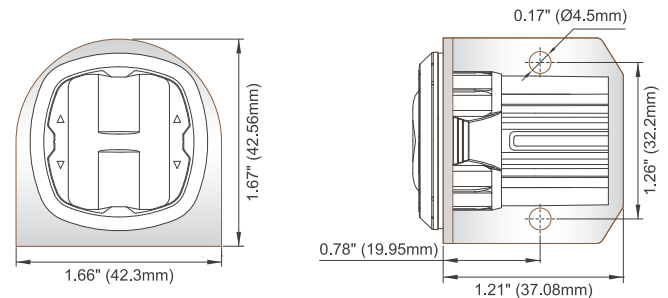
DIMENSIONS

w/o L-bracket



Recommended Surface thickness @1.5~4.0mm

w/ L-bracket



FLASH PATTERNS

Flash Patterns			
1	Double [R65]*	10	Quad [SAE]
2	Single [2Hz]	11	Quint [SAE]
3	Triple [2Hz]	12	Mega
4	Quad [2Hz]	13	Giga
5	Random	14	Ultra [SAE]
6	Steady EF**	15	Single-Quad
7	Single [SAE][CA13]	16	Singe H/L
8	Double [SAE]	17	Single-Triple-Quint
9	Triple [SAE]		

* Actual approval will be based on the model ordered.

** For use with external flasher controller.

PART NO.

4 Unit Package

- F016-8131A-000 (ECE R10 & R65 HTA1)
- F016-8131B-000 (ECE R10 & R65 HTB2)
- F016-8131R-000 (ECE R10 & R65 HTR2)
- F016-9131W-000 (ECE R10, White)

1 Unit Package

- F016-7130x-000 (SAE)

Replace x for color:

- R = Red
- B = Blue
- A = Amber
- W = White

ACCESSORIES

99-F016M00-000

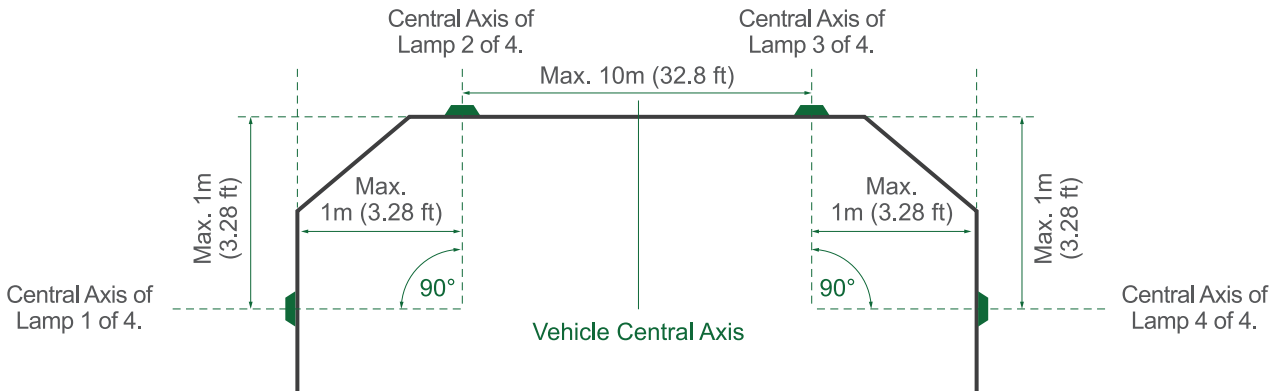
(L-Bracket Mounting Kit)



APPROVED MOUNTING POSITION

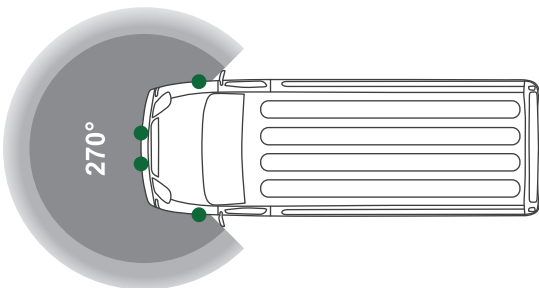
The lightheads must be set up in a set of four units to meet ECE R65 CAT. HT. Follow the graph and position the lighthead within the required distance and angle to fulfill the approval requirement.

Category 'HT' -270° Warning Coverage

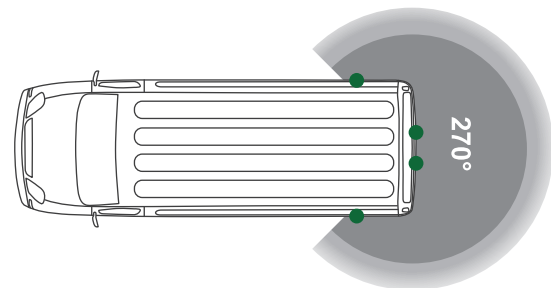


Application Examples

Front of the Vehicle



Rear of the Vehicle



WIRING

To Chassis Ground **BLACK**

To +VDC for Warning Mode (fuse @ 3A) **RED**

Default Flash Pattern – FP#1 Double [2Hz]

To +VDC for Cruise Mode (fuse @ 3A) **GREEN**

For Low Power Operation **WHITE**

Apply +VDC to **WHITE** wire while **RED** wire is activated for Low Power Operation.

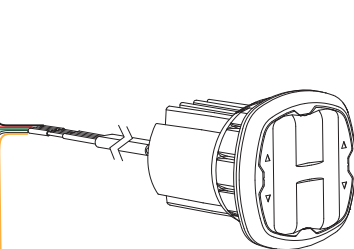
Do not use this function wire with lightheads that are only ECE R65 Class 1 approved.

For Synchronization and Flash Pattern **YELLOW**

Connect **YELLOW** wires of all lightheads together for synchronization.

(All lightheads should be set to the same Flash Pattern.)

NOTE: When arranging lightheads to comply with ECE R65 CAT. "HT", all units must be synchronized simultaneously.



⚠ IMPORTANT

As long as the efficiency of the special warning lamp is to be secured all around the vehicle, it is the obligation of the installer to maintain detection of the failure of a part of a special warning system on the vehicle.

OPERATION

For Simultaneous or Alternating Flash

- Power up the unit by applying +VDC to **RED** and **YELLOW** wires simultaneously to enter *GROUPING MODE*; lighthouse will display short flashes in:
 - Single flash = Group 1
 - Double flash = Group 2
- Remove **YELLOW** wire from +VDC then momentarily apply +VDC again to change Groups:
 - Lightheads of the same Group will flash together.
 - Lightheads of different Groups will flash alternately.
- Save and Exit the *GROUPING MODE* by powering off the lighthouse.

For Flash Pattern Selection

While in the Warning Mode, momentarily apply +VDC to **YELLOW** wire:

- once to next pattern
- quickly three times to FP#1

FLASH PATTERNS

1	Double	[R65*]	10	Quad	[SAE]
2	Single	[2Hz]	11	Quint	[SAE]
3	Triple	[2Hz]	12	Mega	
4	Quad	[2Hz]	13	Giga	
5	Random		14	Ultra	[SAE]
6	Steady EF**		15	Single-Quad	
7	Single	[SAE][CA13]	16	Singe H/L	
8	Double	[SAE]	17	Single-Triple-Quint	
9	Triple	[SAE]			

* Actual approval will be based on the model ordered.

** For use with external flasher controller.

INSTALLATION

Pop-n-Lock

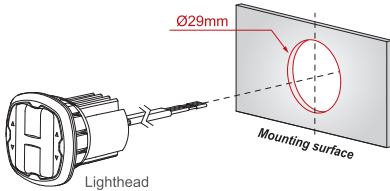
1 Surface Mount:

Drill an 1.14" (29mm) cut-out on the mounting surface, and install the unit onto the cut-out.

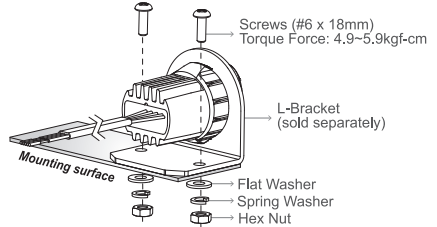
L-Bracket Mount (sold separately):

Secure L-bracket onto the mounting surface with provided screws, and install the unit onto the Bracket.

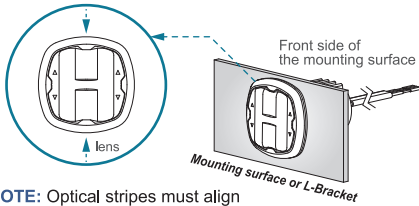
NOTE: To install more efficiently, use a rotating motion to guide the LIGHTHEAD when installing onto the cut-out.



or

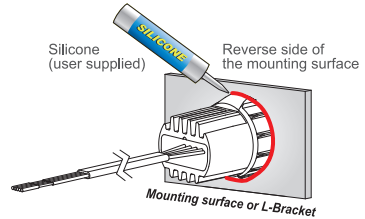


2 Ensure that the optical stripes are aligned vertically.



NOTE: Optical stripes must align vertically to meet regulation.

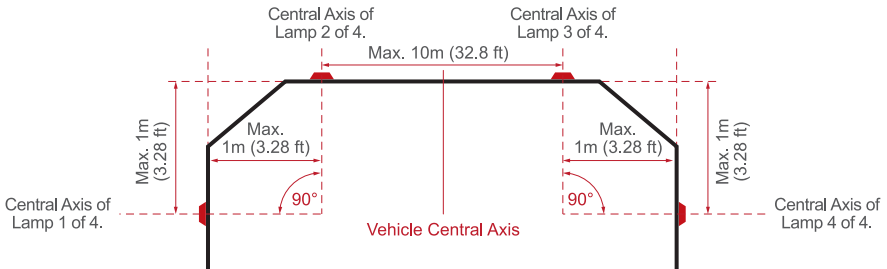
3 Where necessary, apply silicone around the reverse side to prevent from rotating.



Approved Mounting Position

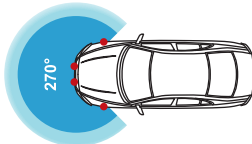
The lightheads must be set up in a set of four units to meet ECE R65 CAT. HT. Follow the graph and position the lighthead within the required distance and angle to fulfill the approval requirement.

Category 'HT' -270° Warning Coverage



Application Examples

Front of the Vehicle



Rear of the Vehicle

