



CLASS 1



Hood Mount

Surface Mount

12-24VDC 3-LED DIRECTIONAL WARNING LIGHT

1603-300514, 1603-300515, 1603-300522, 1603-300540, 1603-300572

FEATURES

- Low-profile Surface mount or hood/utility mount for versatile discreet mounting.
- Powerful ECE R65 and SAE Class 1 certified output.
- ECE R10 EMC Compliance.
- Non-volatile memory - recalls last flash pattern used at power up.
- Multi-units synchronization in simultaneous or alternating flash.
- Reverse polarity protection.
- Weatherproof and vibration resistant design for internal or external use.
- Solid aluminium housing for efficient heat dissipation and maximum durability.

SPECIFICATIONS

Compliance: ECE R65 (XA1, XB1, XR1); ECE R10; SAE J595; CA Title 13 (Red); IPX7

LED Element: High Power 3W LED x 3 pcs

No. of Warning Patterns: 12 (SAE) / 5 (R65)

Operating Voltage: 12~24VDC

Average Current:

SAE: 0.22A @ 12VDC / 0.11A @ 24VDC

ECE R65: 0.38A @ 12VDC / 0.19A @ 24VDC
(varies with flash pattern)

Max. Current:

SAE: 0.44A @ 12VDC / 0.22A @ 24VDC

ECE R65: 0.76A @ 12VDC / 0.38A @ 24VDC

Average Power:

SAE: 2.7W / ECE R65: 3.05W (varies with flash pattern)

Max. Power:

SAE: 5.3W / ECE R65: 6.1W

Hood Mount Wires:

Red-Vcc: 97cm (20AWG)

Black-GND: 97cm (20AWG)

Yellow-Flash Patterns & Sync: 97cm (20AWG)

Surface Mount Wires:

Red-Vcc: 20cm (20AWG)

Black-GND: 20cm (20AWG)

Yellow-Flash Patterns & Sync: 20cm (20AWG)

Fuse Rating: 1A

Working Temp.: -30°C~ +65°C

Storage Temp.: -40°C~ +75°C

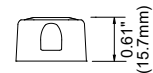
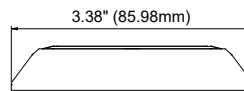
Synchronization: 15 Units

LED Colour: Amber, Blue, Red, Green, White

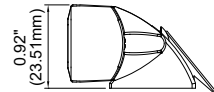
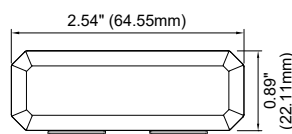
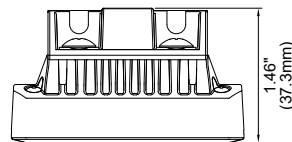
Lens Colour: Clear

DIMENSIONS

Surface Mount



Hood Mount



PART No.

M013-0003x-000 SAE; Hood Mount

M014-0003x-000 SAE; Surface Mount

M013-0013x-000 ECE R65 (XA1; XB1; XR1); Hood Mount

M014-0013x-000 ECE R65 (XA1; XB1; XR1); Surface Mount

Replace x for Colour:

A=Amber LED & Clear Lens / B=Blue LED & Clear Lens

R=Red LED & Clear Lens / W=White LED & Clear Lens

G=Green Led & Clear Lens

FLASH PATTERN

SAE Version			
1	Random	7	Quad
2	Steady	8	Quint
3	Single	9	Ultra
4	Mega	10	Single-Quad
5	Double	11	Single H/L
6	Triple	12	Single-Triple-Quint

ECE Version			
1	Single	[2Hz]	4 Quad [2Hz]
2	Double	[2Hz]*	5 Steady
3	Triple	[2Hz]	

*Actual R65 Approved Flash Pattern.