

LED Products for Traffic Application



Vehicle Traffic signal



1. AC 80 V~ AC 260V/ 50Hz~60Hz available
2. Retrofits into existing traffic housing easily
3. Conforms to industry standards
4. Available in three standard traffic signal colors
5. Brighter and more energy efficient than conventional signals



Pedestrian signal



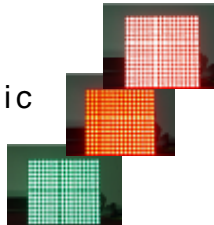
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2. Retrofits into existing traffic housing easily
3. Conforms to industry standards
4. Available in three standard traffic signal colors
5. Brighter and more energy efficient than conventional signals



Lane Controller signal



1. AC 80 V~ AC 260V/ 50Hz~60Hz available
2. Long life of 50.000 hours plus
3. LED Pixel: 26mm
4. Available in three traffic signal colors
5. Power consumption : 10W



Changeable Message Sign

1. AC 80 V~ AC 260V/ 50Hz~60Hz available
2. Available in Express Way Application
3. Conforms to industry standards
4. Brighter and more energy efficient than conventional signals



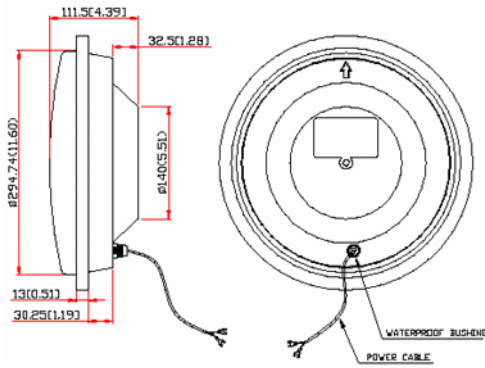
Vehicle Speed limited signal



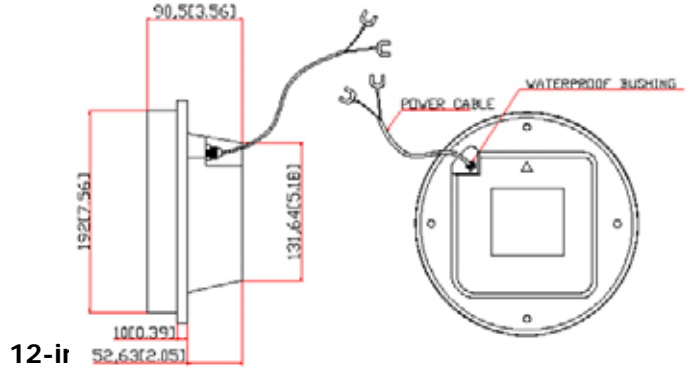
1. AC 80 V~ AC 260V/ 50Hz~60Hz available
2. Long life of 50.000 hours plus
3. LED Pixel: 26mm
4. Available in many colors
5. Power consumption : 10W

Vehicle Traffic Signal Types

12-inch (300mm) LED Traffic Signal



8-inch (200mm) LED Traffic Signal



Features:

1. AC 80 V~ AC 260V/ 50Hz~60Hz available
2. Retrofits into existing traffic housing easily
3. Conforms to industry standards
4. Available in three standard traffic signal colors
5. Brighter and more energy efficient than conventional signals
6. Various dimensions of sealing rubbers are available



8-inch (200mm) LED Traffic Signal picture



Specifications:

Model Number	size		color	LED Wavelength (nm)	Minimum Luminous Intensity(cd)	Power consumption
VRT-TBCR3W8-0X	12 "	300mm	RED	620~630nm	>400cd	< 15W
VRT-TBCG3W8-0X	12 "	300mm	GREEN	500~510nm	>400cd	< 20W
VRT-TBCY3W8-0X	12 "	300mm	yellow	586~594nm	>400cd	< 22W
VRT-TB8R3W8-0X	8 "	213mm	RED	620~630nm	>250cd	< 15W
VRT-TB8G3W8-0X	8 "	213mm	GREEN	500~510nm	>250cd	< 15W
VRT-TB8Y3W8-0X	8 "	213mm	yellow	586~594nm	>250cd	< 15W
VRT-TBCAG3W8-0X	12 "	300mm	GREEN	500~510nm	>4000cd/m2	< 15W



Vehicle Traffic Signal Types

Signal Color	RED		YELLOW		GREEN	
Dominate Wavelength	620~630nm		586~594 nm		500~510 nm	
LED Composition	Al InGaP		Al InGaP		InGaN	
Luminous Intensity (on-axis)	12 "	>400cd	12 "	>400cd	12 "	>400cd
	8 "	>250cd	8 "	>250cd	8 "	>250cd
Power Factor (PF)	> 0.9		> 0.9		> 0.9	
Total Harmonic Distortion (THD)	< 20%		< 20%		< 20%	
Material of Lens	UV Resistant Polycarbonate					
Operating Temperatures	-25 ~ 74					
Input Voltage	AC80~260V(50-60HZ)					



Pedestrian Signal

Features:

1. When the green signal is on for pedestrians, the green man is moving and the yellow digital signal shows the second left for pedestrians to walk across the street
2. When the red signal is on for pedestrians the red static man tells pedestrians to stay



Specifications:

Input Voltage : AC80V ~ 260V/
50Hz~60Hz available

View Distance : 40 M (Min.)

Wavelength : **Red** : 615 ~ 635 nm
Yellow : 580 ~ 600 nm
Green : 493 ~ 513 nm

Power Consumption : 20 W (Max.)

Weight : 3.2 Kg (Max.)

Operation Temp. : 0 ~ 50

Storage Temp. : 0 ~ 70

Operation Hum. : 0 ~ 90%

Storage Hum. : 0 ~ 95%

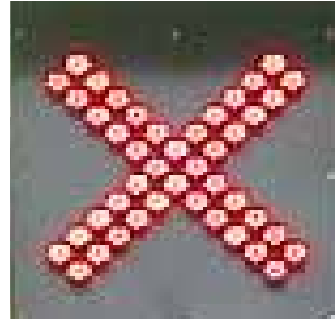
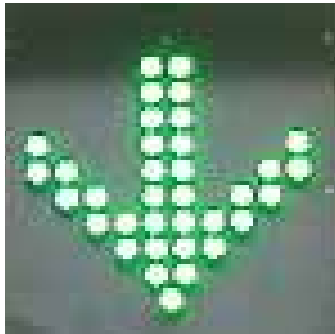


Luminance Intensity(cd/m²):

RED	Horiz. 0°	Horiz.10°	Horiz.20°	Horiz.30°
Vert. 0°	2000	1100	500	140
Vert. 10°	1500	1000	320	120
Vert. 20°	750	320	140	110
YELLOW	Horiz. 0°	Horiz.10°	Horiz.20°	Horiz.30°
Vert. 0°	2000	1100	500	140
Vert. 10°	1500	1000	320	120
Vert. 20°	750	320	140	110
GREEN	Horiz. 0°	Horiz.10°	Horiz.20°	Horiz.30°
Vert. 0°	1000	850	200	70
Vert. 10°	1000	400	120	70
Vert. 20°	240	140	80	60



Lane Controller Signal



Specifications:

LED Pixel : 26mm (including 5 LEDs)		
Signal Color	Green Arrow Unut 	Red Stop Unit 
LED Wavelength	505±5 mm	625±5 mm
LED Luminous	3,000mcd/led	2,200mcd/led
LED Pixel quantity	35 pcs of LED	44 pcs of LED
LED Viewing angle	20 degree	20 degree
Power Consumption	10W	10W

Systematic:

