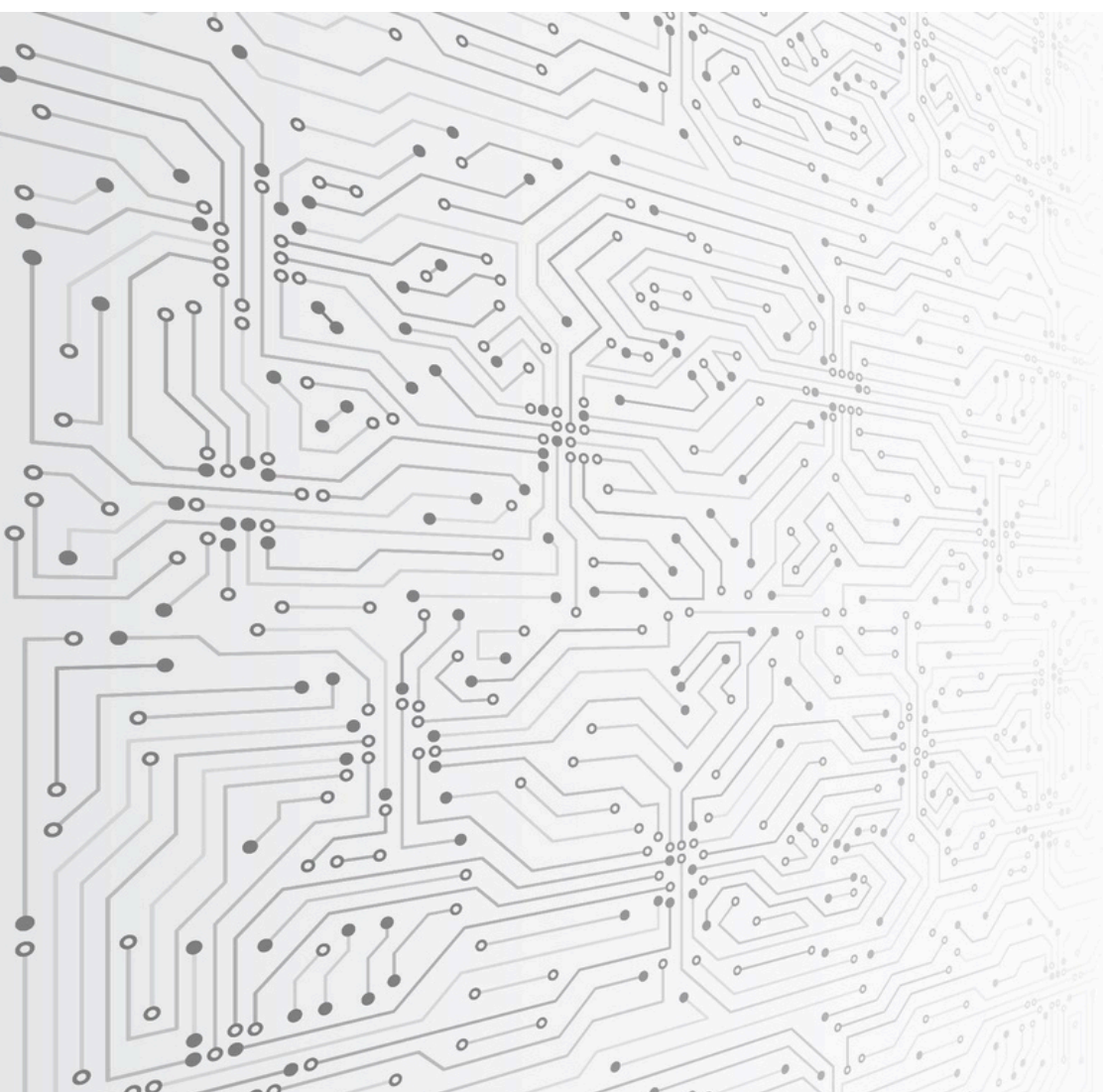


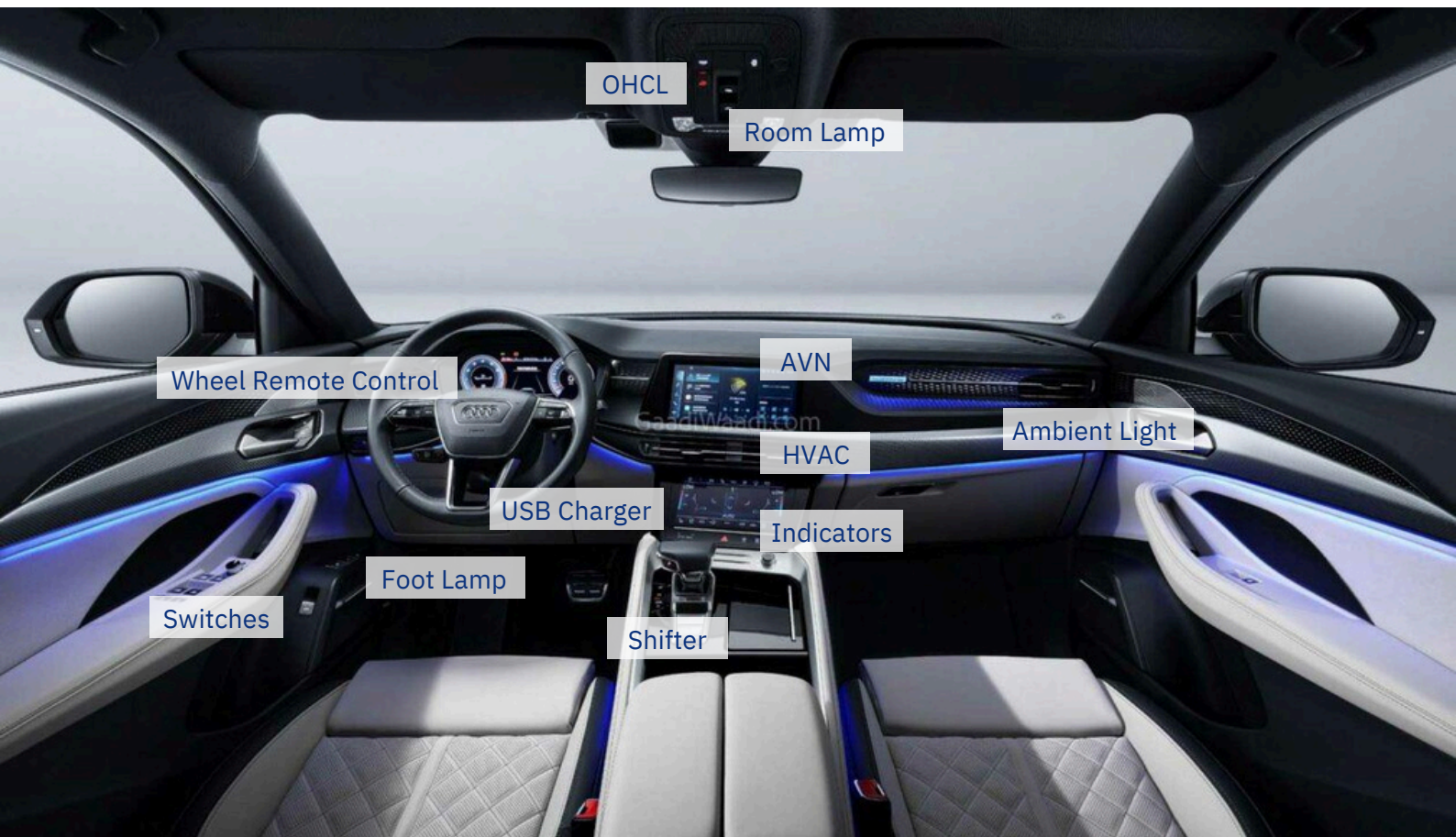


CoAsiaAutomotive
LED Portfolio

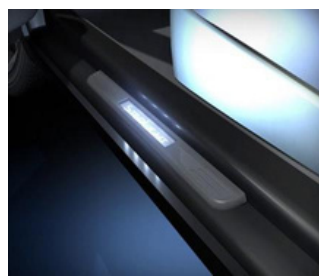
www.coasia.com

www.itswell.com

1. Automotive Interior Application



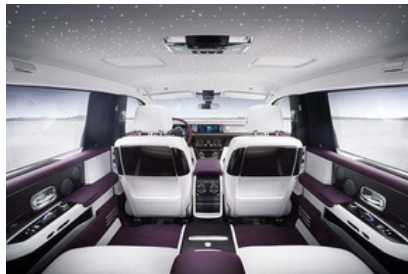
2. Low Power SMD PKG



Type	LowPower SMD PKG								Lamp Type
Product									
Series	V3816 Series	1608 Series	L2012 Series	L3022 Series	L3512 Series	L3514 Series	L3516 Series	L5056 Series	Lamp Series
Dimension	3.8 x 1.2 x 0.6	1.6 x 0.8 x 0.4	2.3 x 1.4 x 1.3	3.0 x 2.0 x 1.3	3.5 x 2.8 x 1.9	3.5 x 2.8 x 1.9	3.5 x 2.8 x 1.9	5.4 x 5.0 x 1.6	3Φ, 5Φ
Color	Full Color								
Pd	0.1W	0.05W	0.1W	0.1W	0.1W	0.2W	0.2W	0.2W	0.2W

Deep Red (640nm)	Super Red (633nm)	Red (625nm)	Redish Orange (615nm)	Orange (605nm)	Yellow (588nm)	Pure Green (560nm)	True Green (525nm)	Blue (460nm)	Cool White	Pure White	Warm White
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3. High Power SMD PKG

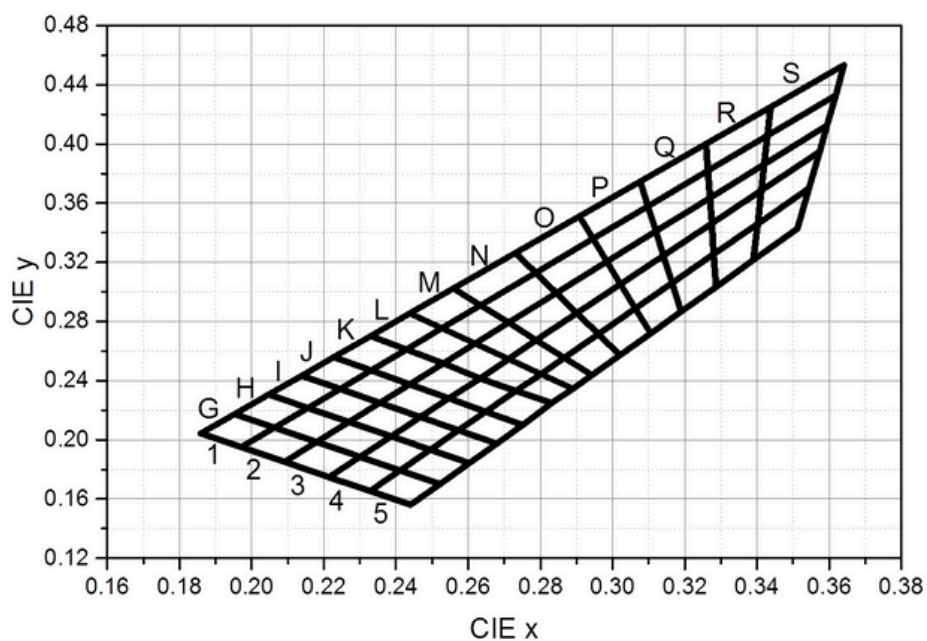


Type	HighPower SMD PKG			CRI
Product				High CRI (90 > CRI) (75 > CRI)
Series	V8014 Series	S5056 Series	S5450 Series	
Dimension	8.14x 1.65 x 1.4	5.6 x 3.0 x 0.95	5.4 x 5.0 x 1.1	
Color	Full Color			
Pd	0.1W	0.05W	0.1W	

Deep Red (640nm)	Super Red (633nm)	Red (625nm)	Redish Orange (615nm)	Orange (605nm)	Yellow (588nm)	Pure Green (560nm)	True Green (525nm)	Blue (460nm)	Cool White	Pure White	Warm White
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4. SMD White Rank Table

Type	Low Power White LED								
Product									
Series	V3816 Series	1608 Series	L2012 Series	L3022 Series	L3512 Series	L3514 Series	L3516 Series	L5056 Series	Lamp Series



If= 5mA		
Rank	Min [mcd]	Max [mcd]
9	65	85
A	85	110
B	110	145
C	145	190
D	190	250
E	250	325
F	325	425
G	425	555
H	555	720
J	720	935
K	935	1200
L	1200	1600

5. RGB Solution

- Providing LED for HKMC Interior Ambient Lighting since 2016
- Supplying LED for 60% of HKMC Interior Ambient Lighting



E-Shifter



Dashboard Light



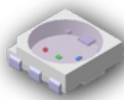
Battery Charging Indicator



Lighting Grille



L3516 Series
3.5 x 2.8 x 1.4
Pd: 0.2W



L5056 Series
5.4 x 5.0 x 1.6
Pd: 0.2W



S5A56 Series
5.4 x 5.0 x 1.2
Pd: 0.5~1W



E3536 Series
3.2 x 3.0 x 0.7
Pd: 0.5~1W



IC Built-in Series
3.3 x 3.0 x 1.4
Pd: 0.2W



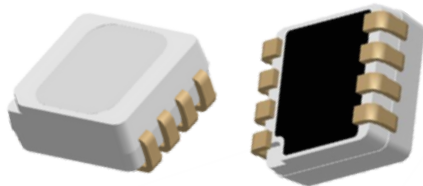
V8014 RGB Series
8.14 x 1.65 x 1.4
Pd: 0.2~0.5W

T.B.D

6. CoSALSMART RGB



1. Appearance



CoSAL
(CoAsiaSmart Advanced LED)

2. Key features

- Temperature compensation
- Optical Calibrated (@ 6500K / 1400mcd(3.5lm))
- 16 multicast address group
- 4,079 LED / Chain -Daisy Chain
- CRC protected serial communication
- High speed communication up to 2Mbit/s
- Dimension : 3.3mm x 3.0mm x 1.4mm

3. LED Lead Configuration

Lead		Description
1	PRG 5V	Ground (for LED manufacture)
2	SIO1_N	Serial Communication Master Side
3	SIO1_P	Serial Communication Master Side
4	GND	Ground Ground Serial
5	GND	Communication Slave Side Serial
6	SIO2_P	Communication Slave Side IC
7	SIO2_N	Power Supply (5V)
8	VCC 5V	



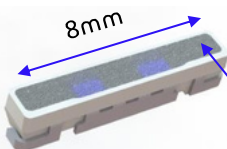
7. Automotive Exterior Application



Long-direction sideviewLED for surface light source [V8014 Series_8.14 x 1.40 x 1.65mm]

Compact Design with Linear Light

Product



Nano Lens
Mixed Silicone

Dimensions : 8.14x1.65x1.4

Feature

- Single Color
- ESD Min 2KV
- MSL 2 Level
- AEC-Q101 , AEC-Q102 Qualified
- USCAR33 Qualified



GENESIS G90 Tail Lamp

Color : Super Red App.Point : RH / LH

2 Points Each S.O.P : 21. 12 Customer:

SL

-
-



7. Automotive Exterior Application



Application

- Automotive Interior & Exterior Lighting
- Rear Combination Lamp
- Side Turn Indicator
- Stop Light & High Mounted Stop Lamp



Part No.	Emitted Color	Current [mA]	Luminous Intensity [mcd]		Forward Voltage [V]		Dominant Wavelength [nm]	
			Min.	Max.	Min.	Max.	Min.	Max.
IWS-V8014-UB-ZK2	Blue	200	2000	4000	2.8	3.6	450	465
IWS-V8014-UG-ZK2	Green	200	7500	20000	2.8	3.6		
IWS-V8014-UY-ZK2	Yellow	200	5500	9500	1.8	2.8	586	594
IWS-V8014-UR-ZK2	Red	200	5500	9500	1.8	2.8	616	625
IWS-V8014-US-ZK2	Super Red	200	4000	8000	1.8	2.8	628	638