

HANSE

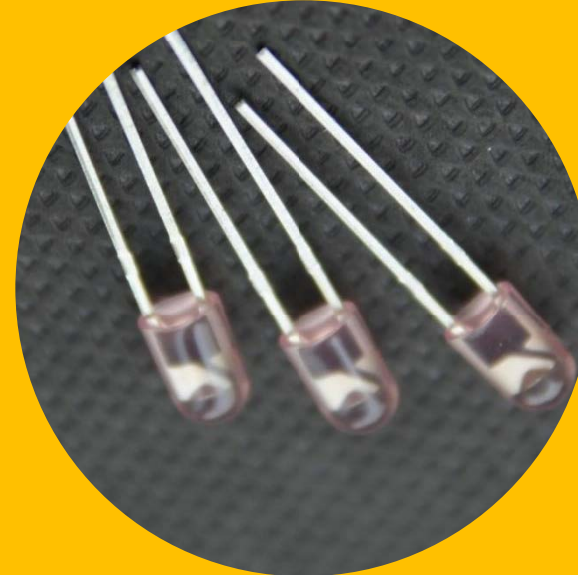
ELECTRONICS CORP.



LED LIGHTING SOLUTION

HANSE ELECTRONICS CORP., is engaged in dealing with Led, Led Display, Led Lightings using its first class technology and 10 years Experience in the industry. The company has focused on producing Led package, which require high quality and reliability, in line with the Current trend in which electric communication devices are becoming more and more compact. To keep up with ever-developing digital, information and communication technology, HANSE ELECTRONICS CORP., has made preparations to produce various kinds of products including Led, LED Lighting, Led Display Module. HANSE ELECTRONICS CORP., has coped with the various needs of its customers promptly, and has introduced the top quality ISO9001 system And continuously carried out quality management activities.

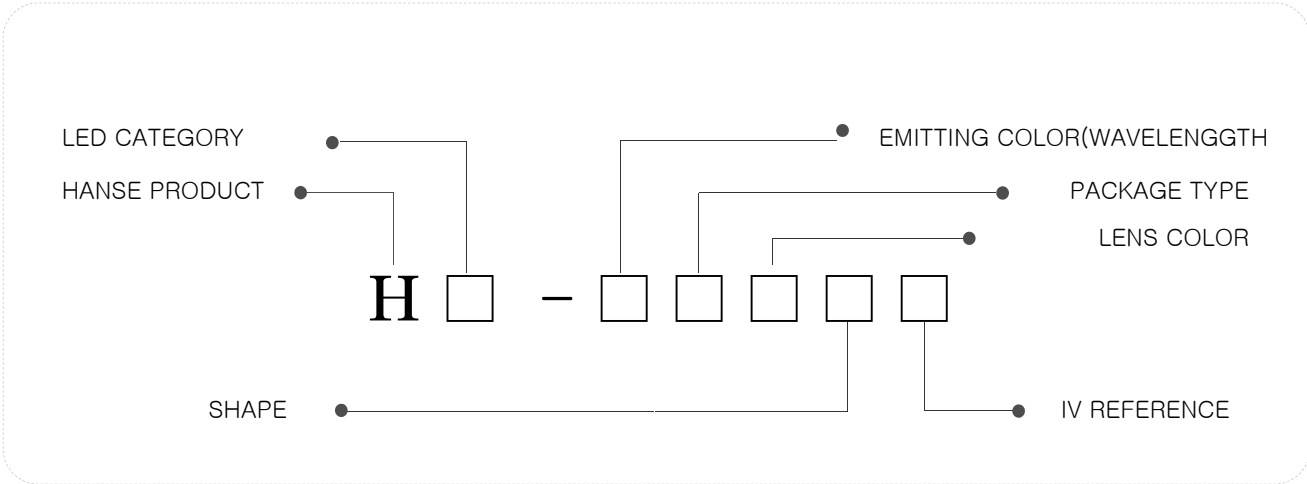
WWW.E-HANSE.COM



www.e-hanse.com
www.runarux.com

TEL : 031-206-2851
FAX : 031-206-2850

LED



LED CATEGORY

C : CHIP LED L : LEAD TYPE LED

EMITTING COLOR (WAVELENGTH)

460,465,470,475,480 : BLUE	595,600,605 : ORANGE	RB1 : RED+BLUE (DUAL COLOR)
500 : CYAN	610, 615 : AMBER	RB3 : RED+BLUE(or ANOTHER COLOR)
510,515,520 : PURE GREEN	620,625,630,640,660 : RED	RGB1 : FULL COLOR
570,575 : YELLOW GREEN	W : WHITE(WF : FLASH LED)	RGB3 : FULL COLOR (or ANOTHER COLOR)
580,585,590 : YELLOW	BW : BLUISH WHITE	RM1 : RED+Y-GREEN

PACKAGE TYPE

T1608 : TOP VIEW 1608	T3528 : TOP VIEW 3528	ROUND TYPE : R2, R3, R4, R5, R8, R10
T1612 : TOP VIEW 16125	T5450 : TOP VIEW 5450	FLAT TYPE : F2, F3, F5
T1615 : TOP VIEW 1615	S2110 : SIDE VIEW 2110 TYPE	TOWER TYPE : E2
T2012 : TOP VIEW 2012	OVAL TYPE :O3, O4, O5	
T3030 : TOP VIEW 3030	RECTANGULAR TYPE : C4, C5	
T3216 : TOP VIEW		
T3532 : TOPVIEW 3532		(NUMBER = DIAMETER)

CHIP THICKNESS

A : 0.3T B : 0.4 C : 0.55T D : 0.6T E : 0.8T F : 1.0T G : 2.0T BLANK(Normal)

LENS COLOR

2 : Milky Diffusion (M/D) 3 : Water Clear (W/C) 4 : Color Clear (C/C) 5 : Colored Diffusion (C/D)

SHAPE

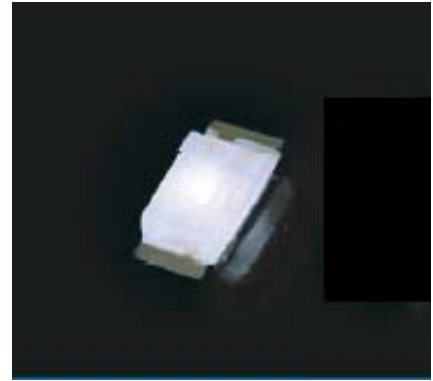
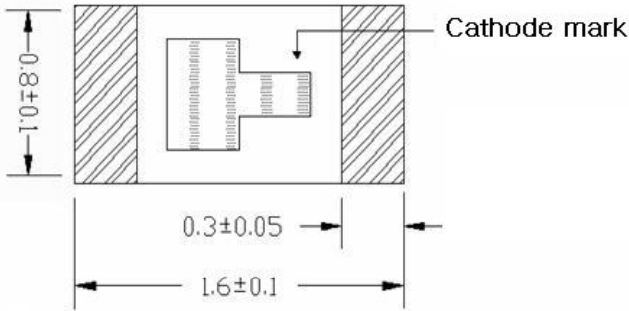
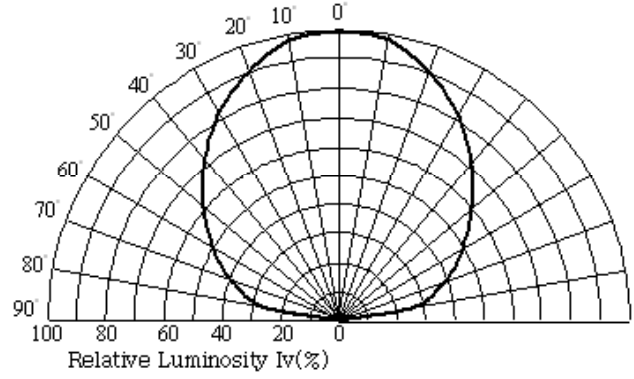
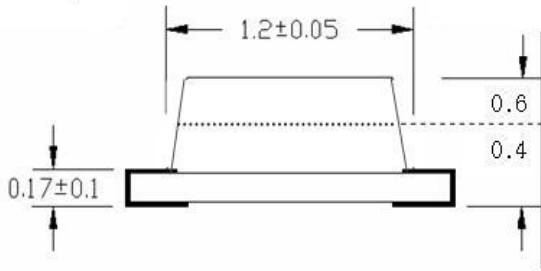
11/12/13/14/15/etc : please refer to package dimension sheet

IV REFERENCE

H (High) /V (Very) /U (Ultra) /SU (Super Ultra)

OPTION : OPTIONAL

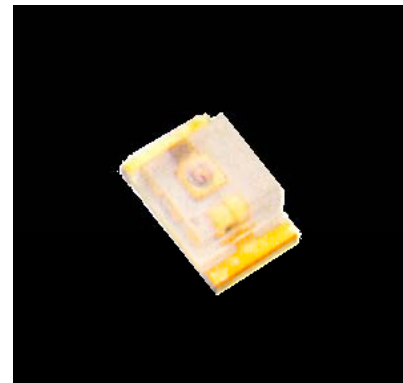
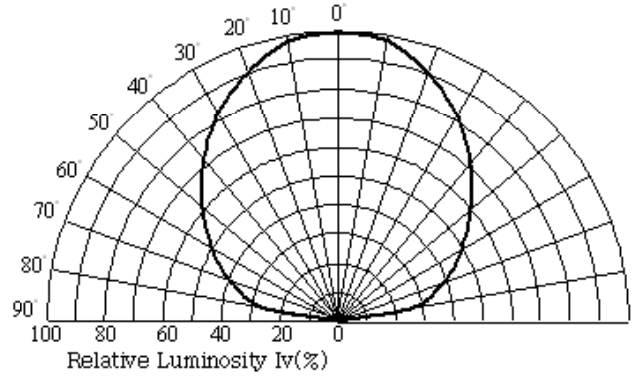
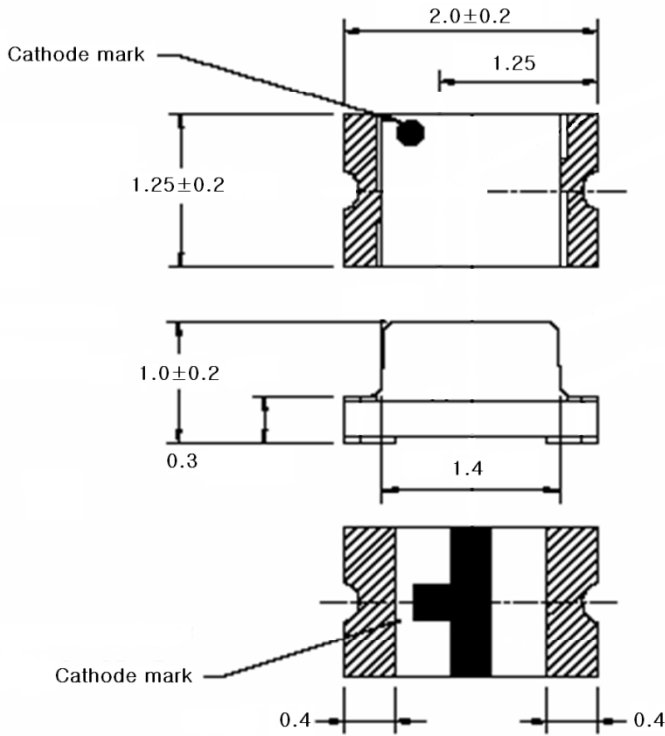
■ T1608 PACKAGE



Emitting Color	Part No.	Iv(mcd) Typ.	VF(V) Typ.	Wavelength (nm)	Viewing Angle(2θ _{1/2}) (degree)	Test Conditions	
RED	HC-620T1608	20/100	2.0	620-625	±60	IF=20mA	0.5T-0.8T
	HC-660T1608	20/40	2.0	660-665	±60	IF=20mA	0.5T-0.8T
BLUE	HC-470T1608B	20	2.9	470-475	±60	IF=5mA	0.4T
	HC-470T1608B-H	40	2.9	470-475	±60	IF=5mA	0.4T
P-GREEN	HC-520T1608	250/400	3.4	520-525	±60	IF=20mA	0.4T-0.8T
WHITE	HC-WZT1608	180/500	3.4	x=0.30, y=0.30	±60	IF=20mA	0.4T-0.8T
Y-GREEN	HC-570T1608	20/100	2.0	570-575	±60	IF=20mA	0.5T-0.8T
YELLOW	HC-590T1608	20/100	2.0	585-590	±60	IF=20mA	0.5T-0.8T
ORANGE	HC-600T1608	50/100	1.9	605-610	±60	IF=20mA	0.5T-0.8T
IRED	HC-940T1608	2	1.6	940	±60	IF=50mA	0.8T-1.1T
IRED	HC-880T1608	2	1.6	880	±60	IF=50mA	0.8T-1.1T
IRED	HC-850T1608	2	1.6	850	±60	IF=50mA	0.8T-1.1T
		Vce(V)	Ico(nA)	I(on)mA			
PHOTO TR	HPT-940T1608	0.8	100	0.3	±60	-	1.1T



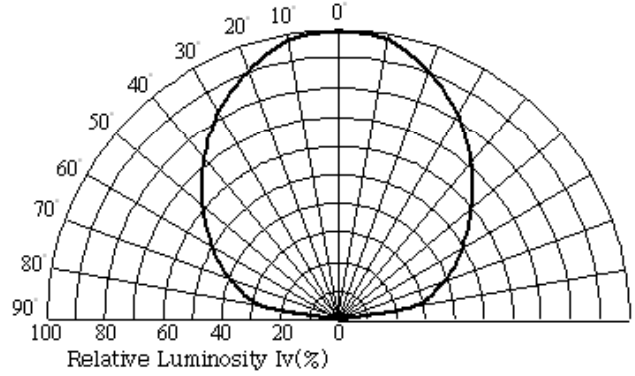
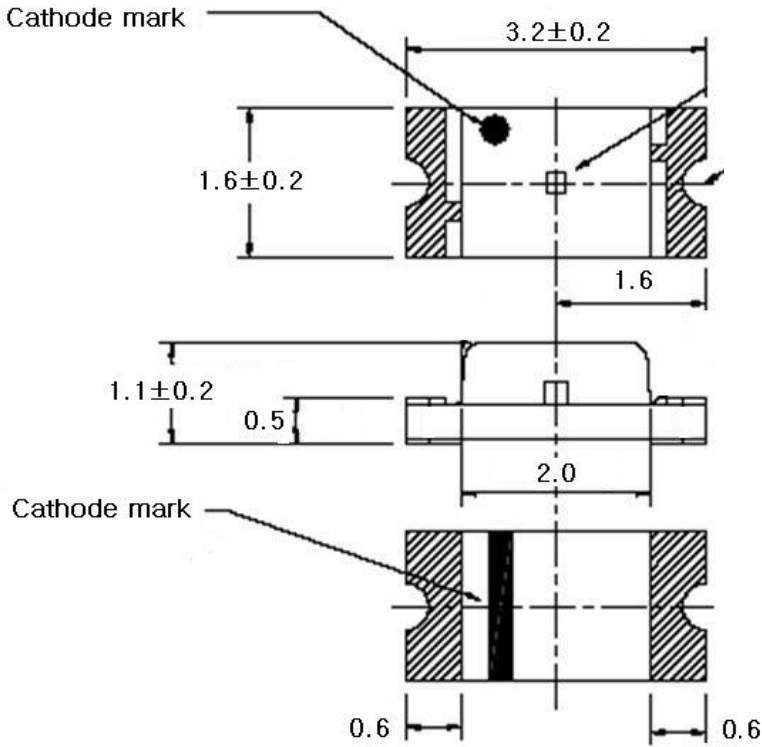
■ T2012 PACKAGE



Emitting Color	Part No.	$I_v(\text{mcd})$ Typ.	$V_f(\text{V})$ Typ.	Wavelength (nm)	Viewing Angle($2\theta_{1/2}$) (degree)	Test Conditions
RED	HC-620T2012	50/100	2.0	620-625	± 60	IF=20mA
	HC-660T2012	20/40	1.9	660-665	± 60	IF=20mA
WHITE	HC-WT2012	300	3.0		± 60	IF=5mA
BLUE	HC-470T2012	20/40	2.8	470-475	± 60	IF=5mA
P-GREEN	HC-520T2012	250/400	3.5	520-525	± 60	IF=20mA
Y-GREEN	HC-570T2012	20/100	2.0	570-575	± 60	IF=20mA
YELLOW	HC-590T2012	20/100	2.0	585-590	± 60	IF=20mA
ORNAGE	HC-600T2012	20/100	2.0	605-610	± 60	IF=20mA



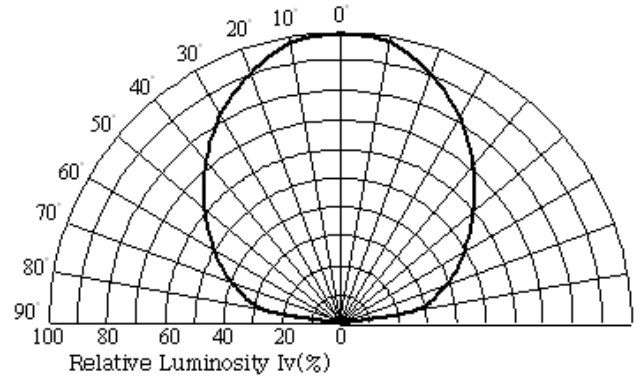
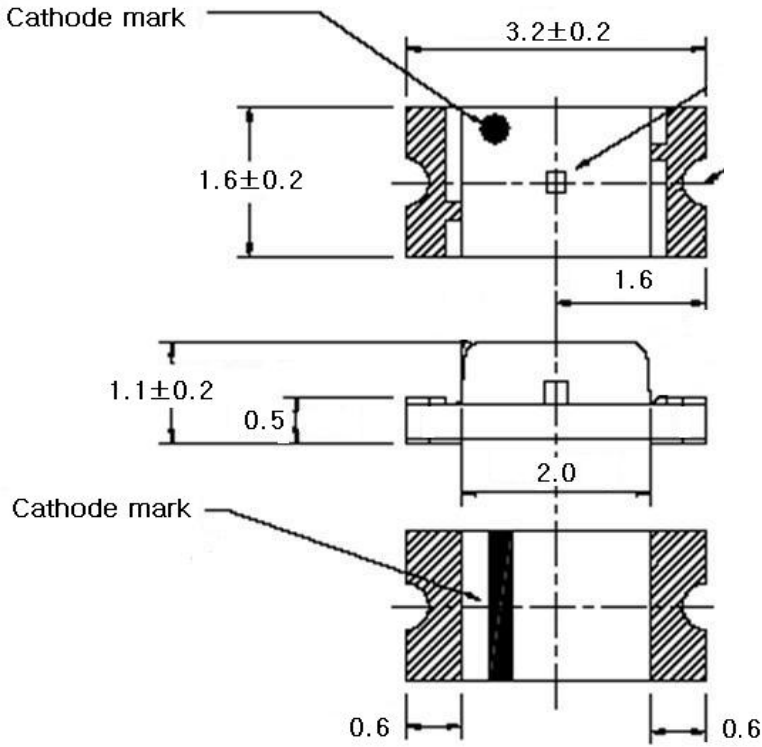
■ T3216 PACKAGE



Emitting Color	Part No.	$I_v(\text{mcd})$ Typ.	$V_F(\text{V})$ Typ.	Wavelength (nm)	Viewing Angle($2\theta_{1/2}$) (degree)	Test Conditions	
RED	HC-620T3216	20/100	1.9	620-625	±60	IF=20mA	-
	HC-660T3216	20/40	1.9	660-665	±60	IF=20mA	-
WHITE	HC-WT3216	300	3.0		±60	IF=5mA	
BLUE	HC-470T3216	20/40	2.9	470-475	±60	IF=5mA	-
P-GREEN	HC-520T3216	250/400	3.4	520-525	±60	IF=20mA	-
Y-GREEN	HC-570T3216	20/100	2.0	570-575	±60	IF=20mA	-
YELLOW	HC-590T3216	20/100	2.0	585-590	±60	IF=20mA	-
ORANGE	HC-600T3216	20/100	1.9	605-610	±60	IF=20mA	-
IREL	HLS-940T3216	30mw	1.5	940	±60	IF=20mA	-
IREL	HLS-850T3216	10mw	1.3	850	±60	IF=20mA	-
P-TR	HPT-940T3216	-	0.8	-	±60	IF=20mA	-
P-TR	HPT-850T3216	-	0.8	-	±60	IF=20mA	-

REVERSE TAPING SMT LED

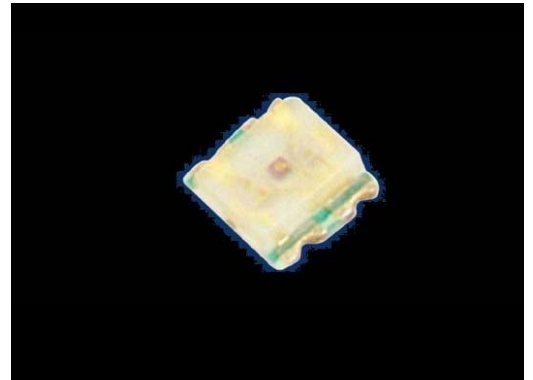
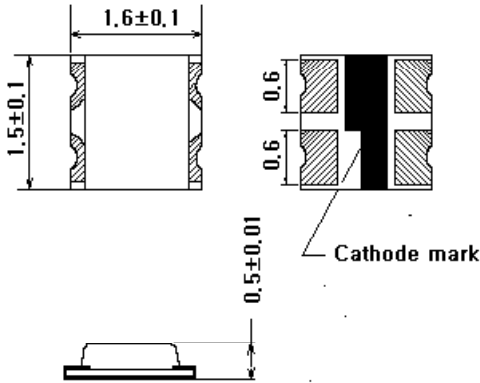
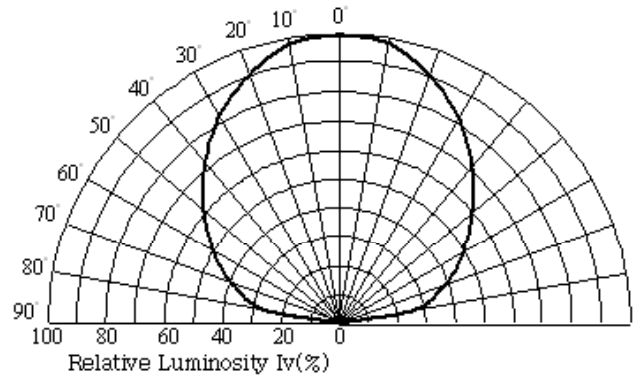
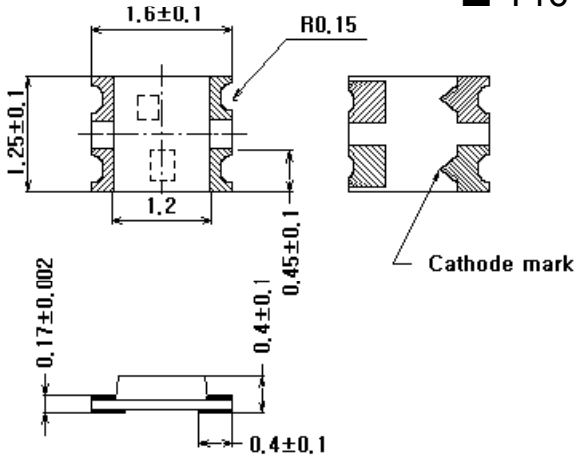
■ RT3216 PACKAGE



Emitting Color	Part No.	$I_v(\text{mcd})$ Typ.	$V_F(\text{V})$ Typ.	Wavelength (nm)	Viewing Angle($2\theta_{1/2}$) (degree)	Test Conditions	
RED	HC-620RT3216	20/100	1.9	620-625	± 60	IF=20mA	-
	HC-660RT3216	20/40	1.9	660-665	± 60	IF=20mA	-
WHITE	HC-WRT3216	300	3.0		± 60	IF=5mA	
BLUE	HC-470RT3216	20/40	2.9	470-475	± 60	IF=5mA	-
P-GREEN	HC-520RT3216	250/400	3.4	520-525	± 60	IF=20mA	-
Y-GREEN	HC-570RT3216	20/100	2.0	570-575	± 60	IF=20mA	-
YELLOW	HC-590RT3216	20/100	2.0	585-590	± 60	IF=20mA	-
ORANGE	HC-600RT3216	20/100	1.9	605-610	± 60	IF=20mA	-



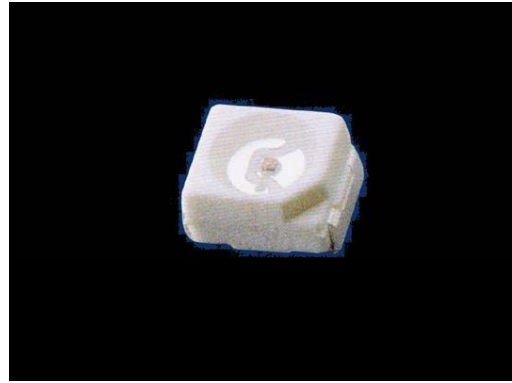
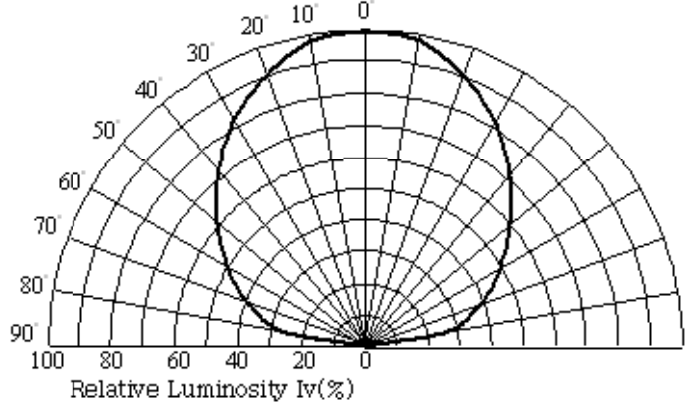
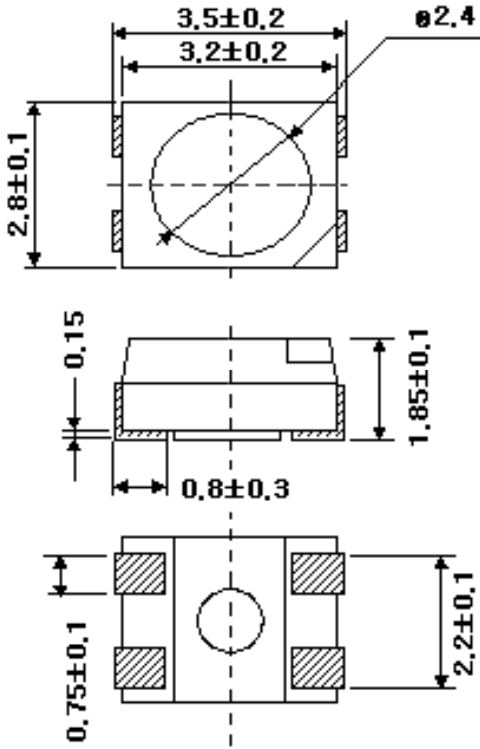
■ T1615 PACKAGE



Emitting Color	Part No.	Iv(mcd) Typ.	VF(V) Typ.	Dominant Wavelength (nm)	Viewing Angle(2θ1/2) (degree)	Test Conditions	
RED/BLUE	HC-RB1-T1612	50/25	1.9/3.0	620/470	120	IF=5mA	Another color possible
RED/YG	HC-RM2-T1612	50/35	2.0/2.0	620/570	120	IF=20mA	
ORANGE/BLUE	HC-OB1-T1612	30/25	2.0/3.0	605/470	120	IF=5mA	
YG/BLUE	HC-MB1-T1612	35/25	2.0/3.0	570/470	120	IF=5mA	
YELLOW/YG	HC-YM1-T1612	40/20	2.0/2.0	590/570	120	IF=20mA	
RED/YELLOW	HC-RY2-T1612	50/40	2.0/2.0	620/590	120	IF=20mA	
BLUE/PG	HC-BG1-T1612	25/60	3.0/3.0	470/520	120	IF=5mA	

Emitting Color	Part No.	Iv(mcd) Typ.	VF(V) Typ.	Dominant Wavelength (nm)	Viewing Angle(2θ1/2) (degree)	Test Conditions	
FULL COLOR	HC-RGB2-T1615	150/460/150	2.0/3.0/3.0	620/520/470	120	IF=5mA	Another color possible
RED/BLUE	HC-RB1-T1615	30/25	2.0/3.0	620/470	120	IF=5mA	
RED/YG	HC-RM3-T1615	50/35	2.0/2.0	620/570	120	IF=20mA	
RED/PG	HC-RG1-T1615	100/200	2.0/3.0	620/520	120	IF=20mA	

■ T3528 PACKAGE

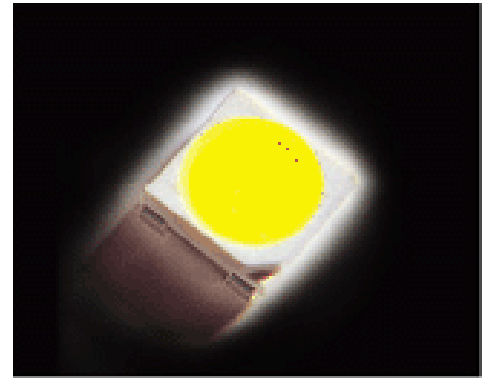
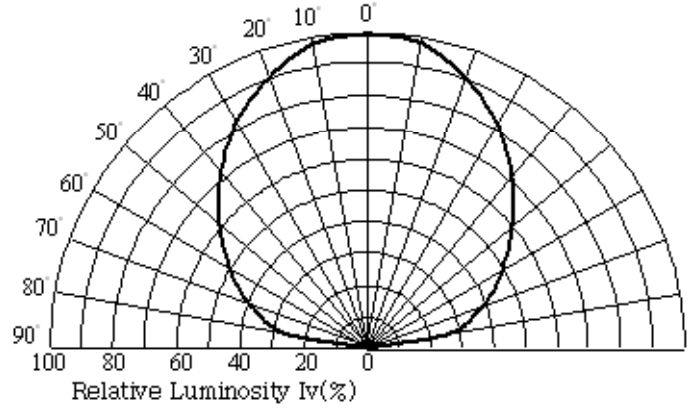
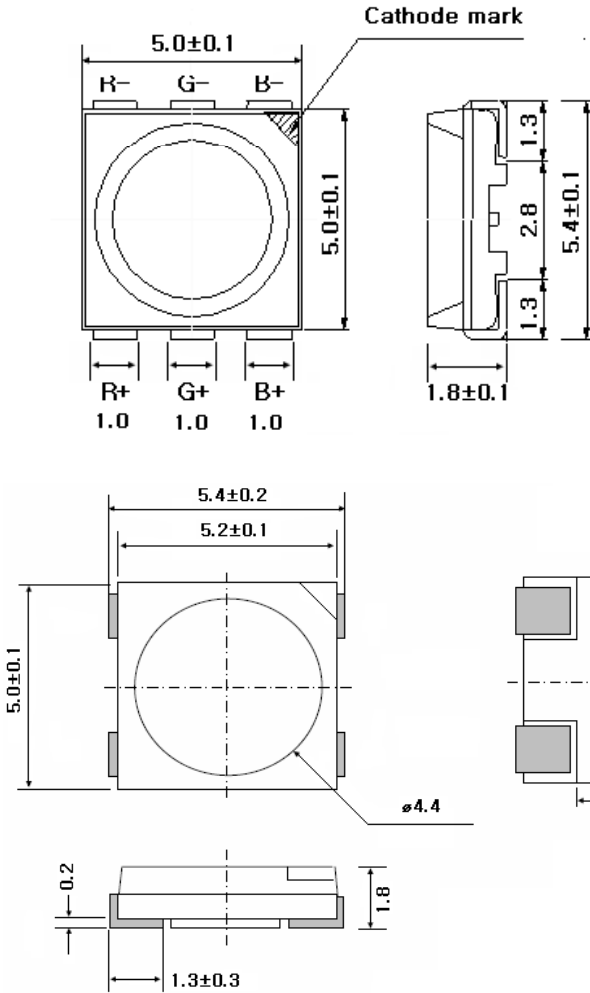


Emitting Color	Part No.	$I_v(\text{mcd})$ Typ.	$V_f(\text{V})$ Typ.	Dominant Wavelength (nm)	Viewing Angle($2\theta_{1/2}$) (degree)	Test Conditions
RED	HC-620T3528	180	1.9	620-630	± 60	IF=20mA
BLUE	HC-470T3528	150	3.4	460-470	± 60	IF=20mA
P-GREEN	HC-520T3528	450	3.4	520-525	± 60	IF=20mA
YELLOW	HC-590T3528	230	2.0	585-590	± 60	IF=20mA
FLASH	HC-WFZT3528-1	1400	3.4	$x=0.31, y=0.3$	120	IF=20mA
	HC-WFZT3528-2	2600	3.4	$x=0.31, y=0.3$	120	IF=40mA
	HC-WFZT3528	6000	3.4	$x=0.31, y=0.30$	120	IF=60mA

Emitting Color	Part No.	$I_v(\text{mcd})$ Typ.	$V_f(\text{V})$ Typ.	Dominant Wavelength (nm)	Viewing Angle($2\theta_{1/2}$) (degree)	Test Conditions
RED	HC-RGB1-T3528 HC-RGBZ1-T3528	220	2.0	620-630	120	IF=20mA
GREEN		1050	3.4	520-530		
BLUE		150	3.4	465-475		



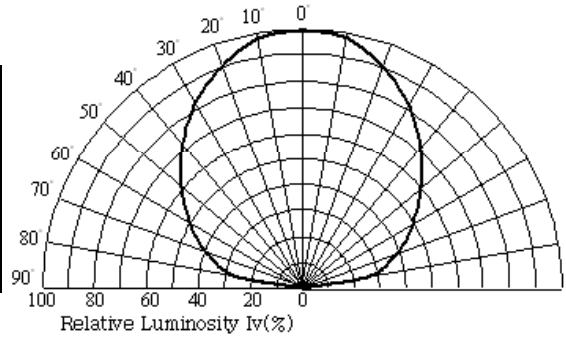
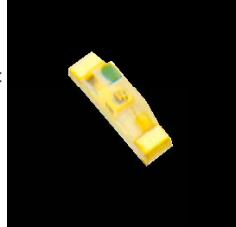
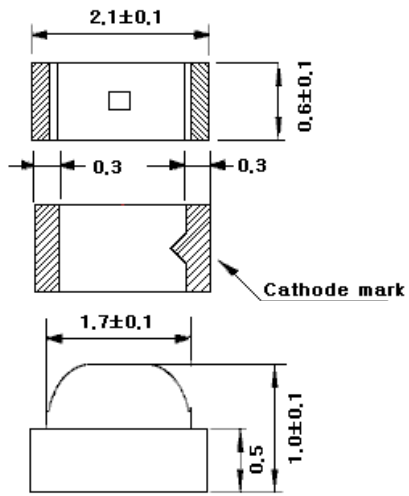
■ T5450 PACKAGE



Emitting Color	Part No.	Iv(mcd) Typ.	VF(V) Typ.	Dominant Wavelength (nm)	Viewing Angle(2θ1/2) (degree)	Test Conditions	
RED	HC-RGBZ1-T5450	220	1.9	620-630	140	IF=20mA	Another color possible
GREEN		950	3.4	520-530			
BLUE		200	3.4	465-475			
Emitting Color	Part No.	Iv(mcd) Typ.	VF(V) Typ.	Chromaticity Coordinate Typ(x,y)	Viewing Angle(2θ1/2) (degree)	Test Conditions	
WHITE	HC-WFZT5450-6BH	6500-7500	3.4	x=0.31, y=0.30	140	IF=60mA	3 CHIP



■ S2110 PACKAGE(SIDE VIEW LED)



Emitting Color	Part No.	Iv(mcd) Typ.	VF(V) Typ.	Dominant Wavelength (nm)	Viewing Angle(2θ1/2) (degree)	Test Conditions	
RED	HC-620S2110	55	1.9	620-630	130	IF=20mA	1.0T
BLUE	HC-470S2110	50	3.4	465-475	130	IF=20mA	1.0T
GREEN	HC-520S2110	150	3.4	520-525	130	IF=20mA	1.0T
ORANGE	HC-600S2110	120	2.0	605-610	130	IF=20mA	1.0T
YELLOW	HC-590S2110	100	2.0	585-590	130	IF=20mA	1.0T
WHITE	HC-WS2110	200	3.4	x=0.29, y=0.28	130	IF=20mA	1.0T

735nm LAMP

IR LED FOR SENSOR HLS-735R5311

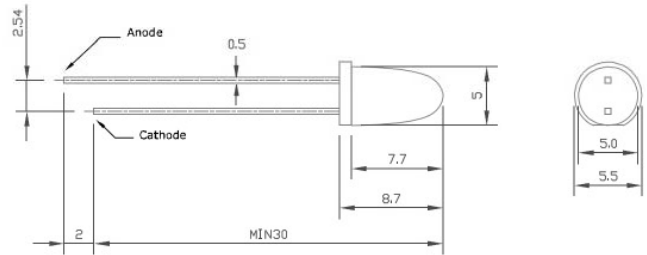


1. Features

- High-power GaAs IR LED
- High pulse handling capability
- Peak wavelength of 735nm
- Good spectral match to silicon photo detector
- High power output

2. Applications

- CC Camera (High resolution)
- Highway Camera



3. Specifications

► (Ta=25°C)

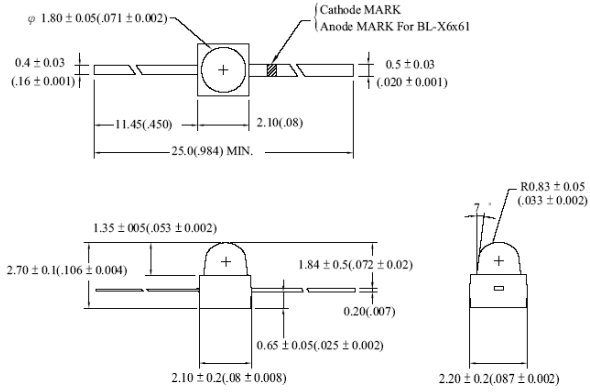
Parameter	Symbol	Condition	Min	Typ	Max	Unit
Forward Current	V _F	I _F =20mA	—	1.6	—	V
		I _F =50mA	—	1.75	2.00	
Reverse Current	I _R	V _R =5V	—	—	10	μA
Radiant power ► ₂	P _o	I _F =20mA	1.00	1.58	—	mW
Viewing Angle ► ₃	2θ	I _F =50mA	—	±7	—	deg.
Peak Wavelength	λ _F	I _F =50mA	—	735	—	nm
Spectral Bandwidth	Δλ	I _F =50mA	—	30	—	nm

Symbol	Ran	E	F	G	Unit
I _e		65~85	86~110	111~140	mW/sr

► conditions (I_F=50mA)

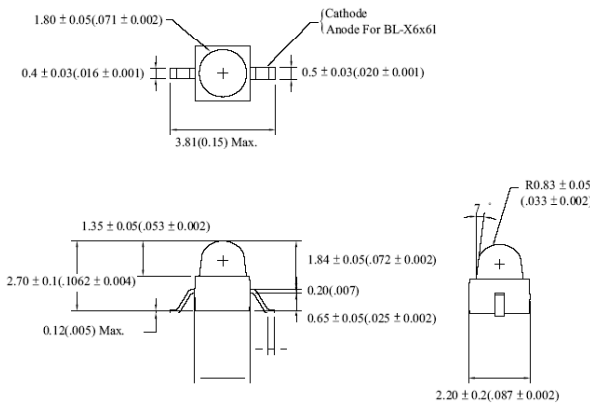
SMD AXIAL TYPE

Stripe lead type LED



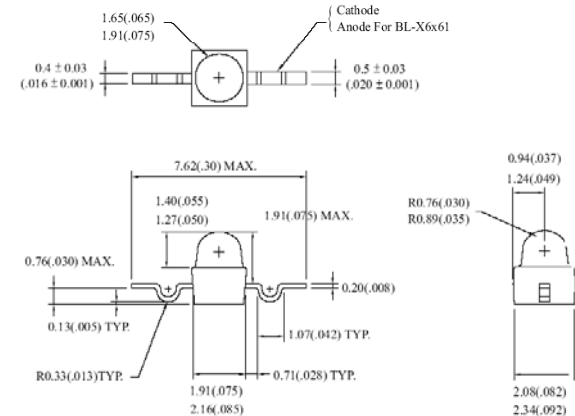
Emitting Color	Part No.	Lens Color	Iv(mcd) Typ.	VF(V) Typ.	λ_D (nm)	Viewing Angle ($2\theta_{1/2}$) (degree)	Test Cond. IF(mA)
Red	HL-630R2361F	Clear	100	2.1	630	± 17	20
Y-Green	HL-570R2361F	Clear	80	2.0	570	± 17	20
Blue	HL-470R2361F	Clear	80	3.4	470	± 17	20
Yellow	HL-590R2361F	Clear	100	2.0	590	± 17	20
IRED	HLS-850R2361F	Clear	50mW	2.0	850	± 17	20
IRED	HLS-940R2361F	Clear	50mW	2.0	940	± 17	20

Gull Wing lead type LED



Emitting Color	Part No.	Lens Color	Iv(mcd) Typ.	VF(V) Typ.	λ_D (nm)	Viewing Angle ($2\theta_{1/2}$) (degree)	Test Cond. IF(mA)
Red	HL-630R2361F7	Clear	100	2.1	630	± 17	20
Y-Green	HL-570R2361F7	Clear	80	2.0	570	± 17	20
Blue	HL-470R2361F7	Clear	80	3.4	470	± 17	20
Yellow	HL-590R2361F7	Clear	100	2.1	590	± 17	20
IRED	HLS-850R2361F7	Clear	50mW	2.0	850	± 17	20
IRED	HLS-940R2361F7	Clear	50mW	2.0	940	± 17	20

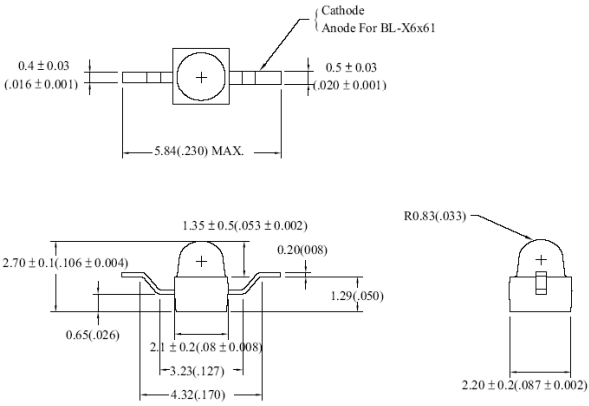
Yoke lead type LED



Emitting Color	Part No.	Lens Color	Iv(mcd) Typ.	VF(V) Typ.	λ_D (nm)	Viewing Angle ($2\theta_{1/2}$) (degree)	Test Cond. IF(mA)
Red	HL-630R2361F8	Clear	100	2.1	630	± 17	20
Y-Green	HL-570R2361F8	Clear	80	2.0	570	± 17	20
Blue	HL-470R2361F8	Clear	80	3.4	470	± 17	20
Yellow	HL-590R2361F8	Clear	100	2.1	590	± 17	20
IRED	HLS-850R2361F8	Clear	50mW	2.0	850	± 17	20
IRED	HLS-940R2361F8	Clear	50mW	2.0	940	± 17	20

SMD AXIAL TYPE

■ "Z" bent lead type LED

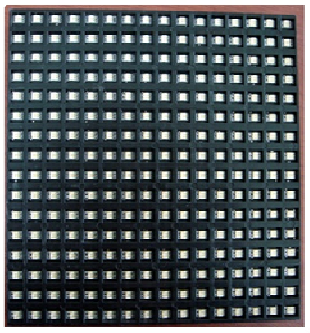


Emitting Color	Part No.	Lens Color	Iv(mcd) Typ.	VF(V) Typ.	λ_D (nm)	Viewing Angle ($2\theta_{1/2}$) (degree)	Test Cond. IF(mA)
Red	HL-630R2361F9	Clear	100	2.1	630	± 17	20
Y-Green	HL-570R2361F9	Clear	80	2.0	570	± 17	20
Blue	HL-470R2361F9	Clear	80	3.4	470	± 17	20
Yellow	HL-590R2361F9	Clear	100	2.0	590	± 17	20
IREd	HLS-850R2361F9	Clear	50mW	2.0	850	± 17	20
IREd	HLS-940R2361F9	Clear	50mW	2.0	940	± 17	20

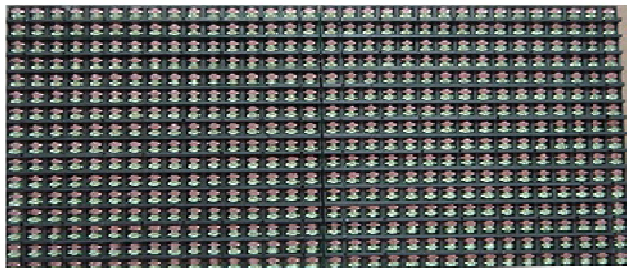
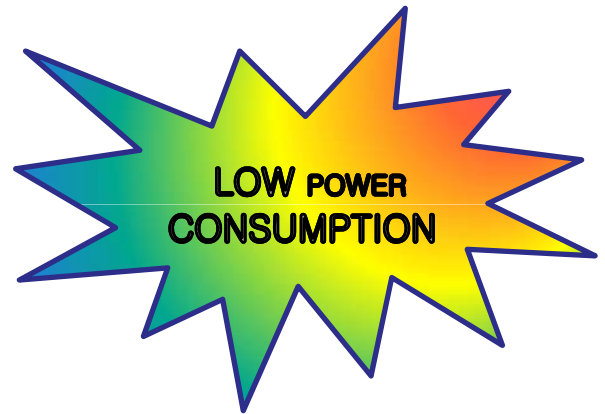
LED DISPLAY MODULE



INDOOR APPLICATION



HS-(size) –CxN : 16 * 16 dot (256 dots)



HS-(size)D- CxN : 16*32 dots
(512 dots)

INDOOR LDM

64mm-128mm / 64mm-64mm

No	Model	Size:mm (H-W-T)	Dot q'ty	Drive (duty)	Pitch (mm)	LED Array/ COLOR	θ1/2	reference	[V] / [A]	cd/m ²
1	HS-64D-CFN- 1601-1615	64*128*10	16 x 32	1/16	4	1615 RGB	± 60		5V.7.5A	1,500
2	HS-64D-CRGN	64*128*10	16 x 32	1/16	4	1615 R+G	± 60		5V.4.5A	550
3	HS-64D-CBN	64*128*10	16 x 32	1/16	4	1608 BLUE	± 60		5V.2.3A	350
4	HS-64D-CGN	64*128*10	16 x 32	1/16	4	1608 515nm cyan	± 60		5V.2.3A	700
5	HS-64D-CON	64*128*10	16 x 32	1/16	4	1608 ORANGE	± 60		5V.2.3A	350
6	HS-64D-CPGN	64*128*10	16 x 32	1/16	4	1608 PURE GREEN	± 60		5V.2.3A	700
7	HS-64D-CRN	64*128*10	16 x 32	1/16	4	1608 RED	± 60		5V.2.3A	350
8	HS-64D-CWN	64*128*10	16 x 32	1/16	4	1608 WHITE	± 60		5V.2.3A	600
9	HS-64D-CYN	64*128*10	16 x 32	1/16	4	1608 YELLOW	± 60		5V.2.3A	400

INDOOR LDM

80mm-160mm

No	Model	Size:mm (H-W-T)	Dot q'ty	Drive (duty)	Pitch (mm)	LED Array/ COLOR	θ1/2	reference	[V] / [A]	cd/m ²
1	HS-80D-CFN-1601-3528	80*160*10	16 x 32	1/16	5	3528 RGB	± 60		5V.7.5A	3,000
2	HS-80D-CRGAN	80*160*10	16 x 32	1/16	5	1615 R+G	± 60		5V.4.5A	500
3	HS-80D-CGN	80*160*10	16 x 32	1/16	5	1608 515nm cyan	± 60		5V.2.3A	700
4	HS-80D-CBN	80*160*10	16 x 32	1/16	5	1608 BLUE	± 60		5V.2.3A	300
5	HS-80D-CON	80*160*10	16 x 32	1/16	5	1608 ORANGE	± 60		5V.2.3A	300
6	HS-80D-CPGN	80*160*10	16 x 32	1/16	5	1608 PURE GREEN	± 60		5V.2.3A	650
7	HS-80D-CRGAN	80*160*10	16 x 32	1/16	5	1615 R+G	± 60		5V.4.5A	500
8	HS-80D-CRN	80*160*10	16 x 32	1/16	5	1608 RED	± 60		5V.2.3A	300
9	HS-80D-CWN	80*160*10	16 x 32	1/16	5	1608 WHITE	± 60		5V.2.3A	550
10	HS-80D-CYN	80*160*10	16 x 32	1/16	5	1608 YELLOW	± 60		5V.2.3A	350

INDOOR LDM

96mm-192mm / 96MM-96MM

No	Model	Size:mm (H-W-T)	Dot q'ty	Drive (duty)	Pitch (mm)	LED Array/ COLOR	θ1/2	reference	[V] / [A]	cd/m ²
1	HS-96D-CFN-1601	96*192*10	16 x 32	1/16	6	3528 RGB	± 60		5V.7.5A	3,700
2	HS-96D-CRGAN	96*192*10	16 x 32	1/16	6	1615 R+G	± 60		5V.4.5A	550
3	HS-96D-CBN	96*192*10	16 x 32	1/16	6	1608 BLUE	± 60		5V.2.3A	250
4	HS-96D-CGN	96*192*10	16 x 32	1/16	6	1608 515nm cyan	± 60		5V.2.3A	700
5	HS-96D-CON	96*192*10	16 x 32	1/16	6	1608 ORANGE	± 60		5V.2.3A	250
6	HS-96D-CPGN	96*192*10	16 x 32	1/16	6	1608 PURE GREEN	± 60		5V.2.3A	600
7	HS-96D-CRGAN	96*192*10	16 x 32	1/16	6	1615 R+G	± 60		5V.4.5A	450
8	HS-96D-CRN	96*192*10	16 x 32	1/16	6	1608 RED	± 60		5V.2.3A	250
9	HS-96D-CWN	96*192*10	16 x 32	1/16	6	1608 WHITE	± 60		5V.2.3A	500
1	HS-96-CFN-0801	96*96*10	16 x 16	1/8	6	3528 RGB	± 60		5V.7.5A	3,700
2	HS-96-CRGAN	96*96*10	16 x 16	1/16	6	1615 R+G	± 60		5V.4.5A	550
3	HS-96-CBN	96*96*10	16 x 16	1/16	6	1608 BLUE	± 60		5V.2.3A	250
4	HS-96-CGN	96*96*10	16 x 16	1/16	6	1608 515nm cyan	± 60		5V.2.3A	700
5	HS-96-CON	96*96*10	16 x 16	1/16	6	1608 ORANGE	± 60		5V.2.3A	250
6	HS-96-CPGN	96*96*10	16 x 16	1/16	6	1608 PURE GREEN	± 60		5V.2.3A	600
7	HS-96-CRGAN	96*96*10	16 x 16	1/16	6	1615 R+G	± 60		5V.4.5A	450
8	HS-96-CRN	96*96*10	16 x 16	1/16	6	1608 RED	± 60		5V.2.3A	250
9	HS-96-CWN	96*96*10	16 x 16	1/16	6	1608 WHITE	± 60		5V.2.3A	500

INDOOR LDM

128mm

No	Model	Size:mm (H-W-T)	Dot q'ty	Drive (duty)	Pitch (mm)	LED Array/ COLOR	θ1/2	reference	[V] / [A]	cd/m ²
1	HS-128D-CFN-0801	128*256*10	16 x 32	1/8	8	3528 RGB	± 60		5V.7.5A	3500
2	HS-128D-CRGAN	128*256*10	16 x 32	1/16	8	1615 R+G	± 60		5V.4.5A	250
3	HS-128D-CBN	128*256*10	16 x 32	1/16	8	1608 BLUE	± 60		5V.2.3A	200
4	HS-128D-CGN	128*256*10	16 x 32	1/16	8	1608 515nm cyan	± 60		5V.2.3A	700
5	HS-128D-CON	128*256*10	16 x 32	1/16	8	1608 ORANGE	± 60		5V.2.3A	200
6	HS-128D-CPGN	128*256*10	16 x 32	1/16	8	1608 PURE GREEN	± 60		5V.2.3A	550
7	HS-128D-CRN	128*256*10	16 x 32	1/16	8	1608 RED	± 60		5V.2.3A	200
8	HS-128D-CWN	128*256*10	16 x 32	1/16	8	1608 WHITE	± 60		5V.2.3A	450
9	HS-128D-CYN	128*256*10	16 x 32	1/16	8	1608 YELLOW	± 60		5V.2.3A	200
1	HS-128-CFN-0801	128*128*10	16 x 16	1/8	8	3528 RGB	± 60		5V.7.5A	3500
2	HS-128-CRGAN	128*128*10	16 x 16	1/16	8	1615 R+G	± 60		5V.4.5A	250
3	HS-128-CBN	128*128*10	16 x 16	1/16	8	1608 BLUE	± 60		5V.2.3A	200
4	HS-128-CGN	128*128*10	16 x 16	1/16	8	1608 515nm cyan	± 60		5V.2.3A	700
5	HS-128-CON	128*128*10	16 x 16	1/16	8	1608 ORANGE	± 60		5V.2.3A	200
6	HS-128-CPGN	128*128*10	16 x 16	1/16	8	1608 PURE GREEN	± 60		5V.2.3A	550
7	HS-128-CRN	128*128*10	16 x 16	1/16	8	1608 RED	± 60		5V.2.3A	200
8	HS-128-CWN	128*128*10	16 x 16	1/16	8	1608 WHITE	± 60		5V.2.3A	450
9	HS-128-CYN	128*128*10	16 x 16	1/16	8	1608 YELLOW	± 60		5V.2.3A	200



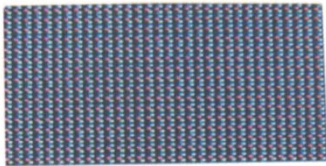
INDOOR LDM

160mm-160mm / 200mm-20mm / 240mm-240mm

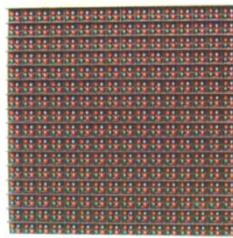
No	Model	Size:mm (H-W-T)	Dot q'ty	Drive (duty)	Pitch (mm)	LED Array/COLOR	θ1/2	reference	[V] / [A]	cd/m ²
1	HS-160-CFN-0801	160-160	16*16	1/8	10	RGB FULL COLOR 5450 RGB LED	± 60		5V.7.5A	3500
2	HS-200-CFN-0801	200-200	16*16	1/8	12.5	RGB FULL COLOR 5450 RGB LED	± 60		5V.4.5A	250
3	HS-240-CFN-0801	240-240	16*16	1/8	15	RGB FULL COLOR 5450 RGB LED	± 60		5V.2.3A	200

32 x 16 dot
matrix module

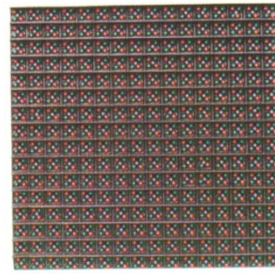
16 x 16 dot
matrix module



288mm x 144mm



200mm x 200mm



240mm x 240mm



320mm x 320mm



LED LIGHTING SOLUTION

HANSE ELECTRONICS CORP., is engaged in dealing with Led, Led Display, Led Lightings using its first class technology and 10 years Experience in the industry. The company has focused on producing Led package, which require high quality and reliability, in line with the Current trend in which electric communication devices are becoming more and more compact. To keep up with ever-developing digital, information and communication technology, HANSE ELECTRONICS CORP., has made preparations to produce various kinds of products including Led, LED Lighting, Led Display Module. HANSE ELECTRONICS CORP., has coped with the various needs of its customers promptly, and has introduced the top quality ISO9001 system And continuously carried out quality management activities.

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TEL : 031-206-2851
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