Less electricity.Greener world

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Web: http://www.ags-electronics.com

Stock Code:300219

LED LESS ELECTRICITY GREENER WORLD

LED Components







The 3rd generation Epoxy Molded SMD Low cost, high reliability EMC model

Features:

High thermal conductivity ,low thermal resistance (Rthj-s is around 10°C/W) Performance in thermal resistance is better than PPA,300°C is workable

Compact size with high watts & high luminous efficiency (Max power 1.5W and 120lm/W) High cost-performance ratio than ceramic led; circuit design of low current in series connection is available. Recommended applications: spot light, led bulb, TV backlight

Parameters:

Model	Color	CCT (K)	IF(mA)	Φv(lm) min	Φv(lm) typ.	VF(V)	Ra≥	2 0½ [°]
HL-EMC-3535DW-2-S1		6000	300	100	115	2.9–3.4	70	120
HL-EMC-3535DW-2-S1		2800	300	90	95	2.9-3.4	80	120

Applications:





LM-80

C3

Special light source for LED Plant growth

Full wavelength range, highly reliable ceramic encapsulation technology, particularly recommended for plant growth

Features:

Ceramic 3535 adopts ceramic substrate and thermoelectrical separation design. Covering various wavelengths, product can realize customized wavelengths and proportioning. Same series of white light LEDs take the lead in approval of the IES LM-80 testing. Modular ceramic encapsulation technology with small size and high watts, universal design in 1W and 3W gives us a preferred light source for LED plant growth.

Parameters:

Product Type	Color	IF(mA)	W	Φe(Mw)	Φv(lm)typ.	VF (V)	Rth(℃/W)	λp(nm)	2 0½ [°]
HL-C3535F1V1EA-ZW	0	350	1 W	240	-	3.2-3.4	5	385-390	130
HL-C3535F2V1EA-ZW	0	350	1 W	240	-	3.0-3.4	5	440-445	130
HL-C3535F26B1EA-ZW		350	1 W	490	10	3.0-3.4	5	440-445	130
HL-C3535F4G1EA-ZW		350	1 W	255	98	3.0-3.4	5	520-525	130
HL-C3535F1O1EA-ZW	•	350	1 W	150	52	1.8-2.4	5	605-610	130
HL-C3535F5R1EA-ZW		350	1 W	280	17	1.8-2.4	5	660-665	130
HL-C3535F4R1EA-ZW		350	1 W	289	15	1.8-2.4	5	640-650	130
HL-C3535F3IR1EA-ZW	0	350	1 W	100	-	1.4-2.2	5	730-740	130
HL-C3535F4Y1EA-ZW		350	1 W	49	26	1.8-2.4	5	580-590	130

Applications:



AGS-Electronics offers exceptional quality LEDs

The high-tech plant was found in 2004 and since then has been commited to the research and development of LED packaging, especially white LED packaging technology. Plant consists of over 47,981 square meters of LED encapsulation workshop, hundreds of automated LED production lines. Plant manufactures one of the widest ranges of LEDs including High Power LEDs, COB LEDs, SMD LEDs. Our LED package components comply with the USA Energy Star Test Standard, which provides strong quality assurance for our products.



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* C3535









ons (mm)

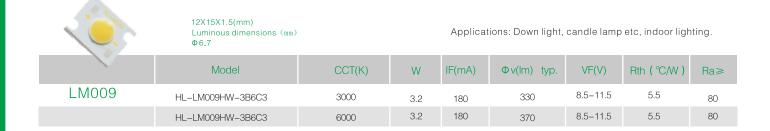
	Luminous dimensions (mm Ф11.2)		Application	s: Bulb, spot ligh	t, down light	etc, indoor light	ing.
	Model	CCT(K)	W	IF(mA)	Φv(lm) typ.	VF(V)	Rth(°C/W)	Ra≥
LM002	HL-LM002HW-5B2C12	3000	4.3	120	510	34-40	4.5	80
	HL-LM002HW-5B2C12	6000	4.3	120	545	34-40	4.5	80
	HL-LM002HW-5B3C8	3000	4.3	180	510	22.5-26	4.5	80
	HL-LM002HW-5B3C8	6000	4.3	180	545	22.5-26	4.5	80
	HL-LM002HW-7B3C12	3000	6.5	180	700	34-40	3.6	80
	HL-LM002HW-7B3C12	6000	6.5	180	750	34-40	3.6	80
	HL-LM002HW-7B5C8	3000	7.2	300	700	22.5-26	3.5	80
	HL-LM002HW-7B5C8	6000	7.2	300	750	22.5-26	3.5	80
	HL-LM002HW-9B4C12	3000	8.6	240	960	34-40	2.9	80
	HL-LM002HW-9B4C12	6000	8.6	240	1020	34–40	2.9	80
	HL-LM002HW-9B6C8	3000	8.6	360	960	22.5–26	2.9	80
	HL-LM002HW-9B6C8	6000	8.6	360	1020	22.5-26	2.9	80



19X19X1.5(mm)	
Luminous dimensions	(mm)
Φ17	

Applications: Bulb, spot light, down light etc, indoor lighting.

-/	Model	CCT(K)	W	IF(mA)	Φv(lm) typ.	VF(V)	Rth (℃/W)	Ra≥
LM003	HL-LM003HW-9B4C12	3000	8.6	240	1040	34-40	2.8	80
	HL-LM003HW-9B4C12	6000	8.6	240	1100	34-40	2.8	80
	HL-LM003HW-11B5C12	3000	10.8	300	1270	34-40	2.2	80
	HL-LM003HW-11B5C12	6000	10.8	300	1350	34-40	2.2	80
	HL-LM003HW-13B6C12	3000	13	360	1480	34-40	1.7	80
	HL-LM003HW-13B6C12	6000	13	360	1600	34-40	1.7	80
	HL-LM003HW-15B7C12	3000	15.1	420	1780	34-40	1.5	80
	HL-LM003HW-15B7C12	6000	15.1	420	1880	34-40	1.5	80
	HL-LM003HW-17B8C12	3000	17.2	480	1950	34-40	1.3	80
	HL-LM003HW-17B8C12	6000	17.2	480	2080	34-40	1.3	80



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СОВ	R-LINE CONTRACTOR	20X20X2.5(mm) Luminous dimensions (mm) 11.9X13.5					Ар	olications: Fl	ood light
	1 Cont	Model	CCT(K)	W	IF(mA)	Φv(lm) typ.	VF(V)	Rth (℃	/W) Ra≥
	LT003								
	LIUUU	HL-LT003FW-10B3C3 HL-LT003FW-10B1C9	6000 6000	9.5 9.6	1050 350	879 895	9 27.5	2.5 2.5	70 70
		HL-L1003FW-10B1C9	0000	9.0	330	090	21.5	2.0	70
		40X46X2.5(mm) Luminous dimensions (mm) 25.9 X 25.9			Ar	oplications: Floo	od light, tun	nel light, high	n bay etc.
		Model	CCT(K)	W	IF(mA)	Φv(lm) typ.	VF(V)	Rth(°C/V	V) Ra≥
	LT005	HL-LT005FW-50B5C10	6000	53.4	1750	5071	30.5	0.6	70
		HL-LT005FW-70B7C10	6000	74.7	2450	7099	30.5	0.45	70
		HL-LT005FW-100B10C10	6000	106.8	3500	10141	30.5	0.3	70
		274.25X14X1.0 mm 287.5X13.5X1.2 mm					Ap	plications: T	ube light
		Model	CCT(K)	IF(mA)	Φv	(lm) typ.	VF(V)	Ra≥	2 θ ½[°]
	LB021	HL-LB021HW-4B9C3	6000	450		540	9	70	160
		22X18x1.8(mm)					Applica	itions: down l	ight, bulb
	V	Model	CCT(K)	IF(mA)	Φv(lm)	typ. Vi	F(V)	uminous dimens (mm)	^{sions} Ra≥
	LC002	HL-LC002H384W-12B10C8	2700	500	112	20 22	.5–26	15.4	80
		HL-LC002H384W-12B10C8	3000	500	120	00 22	.5–26	15.4	80
		HL-LC002H384W-12B10C8	6000	500	132	20 22	.5–26	15.4	80
SMD		3.0X1.4X0.8(mm)				App	olications: Tu	ıbe light, pan	iel light, bulb
		Model	CCT	IF(mA)	Φv(lm		VF(V)	Ra≥	2 θ ½[°]
LEDS	3014-08	HL-A-3014HW-S1-08	(K) 6000	30	min 10	typ.	2.8–3.		120
SC	LM-80	HL-A-3014HW-S1-08	4000	30	9	11.3	2.8-3.		120
		HL-A-3014HW-S1-08	3000	30	8	10	2.8-3.		120
		3.5X2.8X1.0(mm)				olications: Gene			
		Model	CCT (K)	IF(mA)	Φv(lm) min	Φv(lm) typ.	VF(V)	Ra≥	2 θ ½[°]
	3528-10	HL-A-3528HW-S1-10	6000	20	7.5	8.5	2.8–3.4	80	120
		HL-A-3528HW-S1-10	4000	20	7	8	2.8-3.4	80	120
		HL-A-3528HW-S1-10	3000	20	6.5	7.5	2.8–3.4	80	120
		3.5X2.8X1.3(mm)			Арр	lications: Tube deco		light , led stri ng, indicator	
		Model	CCT (K)	IF(mA		r(lm) Φv(lm) nin typ.) VF(V)	Ra≥	2θ½[°]
	3528-13	HL-A-3528HW-S1-13	6000	20		.5 8	2.8–3	.4 80	120
	LM-80	HL-A-3528HW-S1-13	4000	20		7 7.5	2.8–3	.4 80	120
		HL-A-3528HW-S1-13	3000	20	6	.5 7	2.8–3	.4 80	120

W	IF(mA)	Φv(lm) typ.	VF(V)	Rth (℃/W)	Ra≥
9.5	1050	879	9	2.5	70
9.6	350	895	27.5	2.5	70

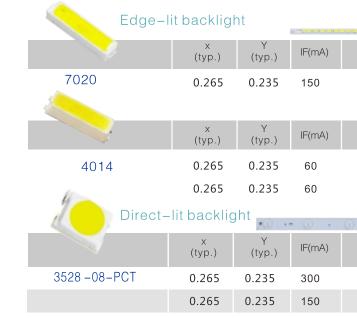
	3.5X2.8X0.8(mm)				Applicatio	ns: Tube light,	, down light, I	oulb
	Model	CCT (K)	IF(mA)	Φv(lm) min	Φv(lm) typ.	VF(V)	Ra≥	2 θ ½[°]
2835 LM-80	HL-A-2835DW-S1-08 HL-A-2835DW-S1-08 HL-A-2835DW-S1-08	6000 4000 3000	150 150 150	55 50 45	60 55 52	3.0–3.6 3.0–3.6 3.0–3.6	80 80 80	120 120 120
	HL-A-2835HW-S1-08 HL-A-2835HW-S1-08 HL-A-2835HW-S1-08	6000 4000 3000	60 60 60	20 19 18	22 21 20	2.8–3.4 2.8–3.4 2.8–3.4	80 80 80	120 120 120
	HL-A-2835DW-2C-S1-08 HL-A-2835DW-2C-S1-08 HL-A-2835DW-2C-S1-08	6000 4000 3000	30 30 30	20 19 17	22 21 19	5.8–6.5 5.8–6.5 5.8–6.5	80 80 80	120 120 120
	HL-A-2835DW-3C-S1-08 HL-A-2835DW-3C-S1-08 HL-A-2835DW-3C-S1-08	6000 4000 3000	30 30 30	30 39 26	32 31 28	8.8–9.8 8.8–9.8 8.8–9.8	80 80 80	120 120 120
	4.0X1.4X0.63(mm)					Applications:	Tube, panel	light
	Model	CCT (K)	IF(mA)	Φv(lm) min	Φv(lm) typ.	VF(V)	Ra≥	2θ½[°]
4014	HL-A-4014HW-S1	6000	60	20	22	2.8–3.4	80	120
	HL-A-4014HW-S1	4000	60	19	21	2.8-3.4	80	120
	HL-A-4014HW-S1	3000	60	18	20	2.8–3.4	80	120
	5.7X3.0X0.90(mm)					Tube light, p	anel light, bu	dlı
	Model	CCT (K)	IF(mA)	Φv(lm) min	Φv(lm) typ.	VF(V)	Ra≥	2 θ ½[°]
5730	HL-A-5730DW-S1	6500	150	48	55	3.0–3.6	80	120
	HL-A-5730DW-S1	4000	150	45	52	3.0-3.6	80	120
	HL-A-5730DW-S1	3000	150	43	50	3.0-3.6	80	120
				Applicat	0	ht, panel light ive lighting, in	· · · · · · · · · · · · · · · · · · ·	pe light,
	Model	CCT (K)	IF(mA)	Φv(lm) min	Φv(lm) typ.	VF(V)	Ra≥	2θ½[°]
5060	HL-AF-5060HW-3-S1-	1 6500	60	18	24	2.8-3.4	80	120
	HL-AF-5060HW-3-S1-	1 4000	60	17	22	2.8-3.4	80	120
	HL-AF-5060HW-3-S1-	1 3200	60	16	21	2.8-3.4	80	120
	1.6X0.8X0.68(mm)		App	lications: India	ator light, digit	al display,back	klight,cellphor	ne key etc
	Model	Color λ d(nm) CCT (K)	IF(mA)	lv(mcd) min.	lv(mcd) typ.	VF(V)	2 θ ½[°]
1608	HL-PST-1608HW	0 -	6500	10	350	600	2.7–3.3	120
1000	HL-PST-1608UGC	• 518	-	10	210	460	2.7–3.3	120
	HL-PST-1608HBC	468	-	10	70	100	2.7–3.3	120

						Applic	ations: Spo	ot light, de	esk lamp
	Model	CCT(K)	W	IF(mA)	Φv(lm) typ.	VF(V)	Rth (℃/W)	Ra≥	2 θ ½[°]
E-Series	HL-EFXXW1NAMS	2870-3220	1	350	100	2.8–3.5	6–12	70	140
	HL-EFXXW1NAMS	5665-6530	1	350	120	2.8-3.5	6–12	70	140
	HL-EFXXW3NAMS	2870-3220	3	700	160	3.0-3.6	4-10	70	140
	HL-EFXXW3NAMS	5665-6530	3	700	180	3.0–3.6	4-10	70	140

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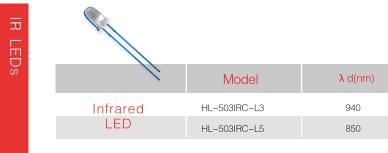
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	Applications: Can be used for floodlight, moving head light (Dance Light) etc, which can make luminaries more compact structure, light and handy appearance, easier installation and low maintenance.								
	Color	Forward Current	Forward Voltage		Luminous Flux		Dominant Wavelength		Viewing Angle
HL-LB045RGB	Units	mA	V		I	m	r	nm	Deg
F21-30B3C12	onno	Тур	Min	Max	Min	Max	Min	Max	Тур
	Red	350	25	28	360	420	620	630	120
	Green	350	35	38	700	800	520	530	120
	Blue	350	37	40	160	180	450	460	120
111th			Ap	plications:					luminaires such cement for other
ALLE CONTRACTOR	Color	Forward	Forw	vard	as stage ligh RGB lighting	nting; it can	also be us Dom	ed as replac	cement for other Viewing
ALLANCE RINK	Color	Current	Forw Volta	vard age	as stage ligh RGB lighting Luming	nting; it can g source. Dus Flux	also be us Dom Wav	ed as replac inant elength	cement for other Viewing Angle
HL-ERGBWAF225RaT	Color Units	Current mA	Forw Volta V	vard age	as stage ligh RGB lighting Luming	nting; it can g source. Dus Flux m	also be us Dom Wav	ed as replac iinant elength nm	Viewing Angle Deg
HL-ERGBWAF225RaT		Current	Forw Volta	vard age Max	as stage ligh RGB lighting Luming	nting; it can g source. Dus Flux	also be us Dom Wav	ed as replac	cement for other Viewing Angle
HL-ERGBWAF225RaT		Current mA	Forw Volta V	vard age	as stage ligh RGB lighting Luming	nting; it can g source. Dus Flux m	also be us Dom Wav	ed as replac iinant elength nm	Viewing Angle Deg
HL-ERGBWAF225RaT	Units	Current mA Typ	Forw Volta V	vard age Max	as stage ligh RGB lighting Lumino Min	m Max 80 130	Dom Wav Min 620 520	ed as replaced as	Viewing AngleDegTyp140140
HL-ERGBWAF225RaT	Units	Current mA Typ 500	Forw Volta V Min 2.2	vard age Max 2.8	as stage ligh RGB lighting Lumine Min 70	m Max 80	Dom Wav Min 620 520 460	ed as replace inant elength m Max 630 530 470	Viewing AngleDegTyp140140140
HL-ERGBWAF225RaT	Units Red Green	Current mA Typ 500 500	Forw Volta V Min 2.2 3	Max 2.8 3.8	as stage ligh RGB lighting Lumino Min 70 120	m Max 80 130	Dom Wav Min 620 520	ed as replaced as	Viewing AngleDegTyp140140



Stage lighting

TV backlight



Φv(lm) min	Φv(lm) typ.	Φv(lm) max.	VF(V)	2θ½[°]	
-	48	-	2.8-3.6	120	
Φv(lm) min	Φv(lm) typ.	Φv(lm)	VF(V)	2 θ ½[°]	
-	20.5	max.	2.8-3.6	120	
-	21	-	2.8-3.6	120	

	10 () ni ()) := ()	. () "i · ();	
Φv(lm) min	Φv(lm) typ.	Φv(lm) max.	VF(V)	2 θ ½[°]
-	90	-	2.8-3.6	120
-	90	-	5.6-7.2	120

Electronic whiteboard,camera,monitor,counter etc.

IF(mA)	lo(mw/sr)typ.	VF(V)	2 0 1/2
50	70	1.2-1.4	20
50	154	1.2-1.4	20