











COB LED Series

The EVERLIGHT EAHP COB series achieves 2 advantages in high efficiency and easy assembly. With high thermal conductive Mirror-AI PCB, it can be easily attached to heatsink. Another feature of this product is the wide driving operation range. For typical driving state, super high efficiency is promised. For over-driving state, it can not only deliver high lumen output but also remain stable with proper heatsink to present an economic lighting design.

Product Series	Product Photo	Dimension	Power Consumption	Color Temperature	CRI	Efficiency	Lumen Output	Application
EAHP1313W (36V)		13.5x13.5x0.9mm	3-7W	2700K-6500K	>80	143 lm/W(WW) 157 lm/W(CW)	430 lm(WW) 470 lm(CW)	Spotlight / Downlight
					>90	130 lm/W(WW) 142 lm/W(CW)	390 lm(WW) 425 lm(CW)	
					97	115 lm/W(WW) 125 lm/W(CW)	345 lm(WW) 375 lm(CW)	
EAHP1313W (36V)		13.5x13.5x0.9mm	6-14W	2700K-6500K	>80	139 lm/W(WW) 153 lm/W(CW)	835 lm(WW) 920 lm(CW)	Spotlight / Downlight
					>90	127 lm/W(WW) 139 lm/W(CW)	760 lm(WW) 835 lm(CW)	
					97	111 lm/W(WW) 123 lm/W(CW)	668 lm(WW) 735 lm(CW)	
EAHP1313W (36V)		13.5x13.5x0.9mm	9-20.5W	2700K-6500K	>80	136 lm/W(WW) 150 lm/W(CW)	1225 lm(WW) 1350 lm(CW)	Spotlight / Downlight
					>90	124 lm/W(WW) 136 lm/W(CW)	1115 lm(WW) 1225 lm(CW)	
					97	109 lm/W(WW) 120 lm/W(CW)	980 lm(WW) 1080 lm(CW)	
EAHP1313W (36V)		13.5x13.5x0.9mm	12-27.6W	2700K-6500K	>80	128 lm/W(WW) 141 lm/W(CW)	1535 lm(WW) 1690 lm(CW)	Spotlight / Downlight
					>90	116 lm/W(WW) 128 lm/W(CW)	1395 lm(WW) 1535 lm(CW)	
					97	103 lm/W(WW) 113 lm/W(CW)	1230 lm(WW) 1350 lm(CW)	
EAHP1919W (36V)		19x19x0.9mm	16-34.5W	2700K-6500K	>80	132 lm/W(WW) 145 lm/W(CW)	2110 lm(WW) 2320 lm(CW)	Spotlight / Downlight
					>90	120 lm/W(WW) 132 lm/W(CW)	1920 lm(WW) 2110 lm(CW)	
					97	106 lm/W(WW) 116 lm/W(CW)	1690lm(WW) 1855 lm(CW)	
EAHP1919W (36V)		19x19x0.9mm	19-42.7W	2700K-6500K	>80	131 lm/W(WW) 144 lm/W(CW)	2485 lm(WW) 2735 lm(CW)	Spotlight / Downlight
					>90	119 lm/W(WW) 131 lm/W(CW)	2260 lm(WW) 2485 lm(CW)	
					97	105 lm/W(WW) 115 lm/W(CW)	1990 lm(WW) 2190 lm(CW)	
EAHP1919W (36V)		19x19x0.9mm	25-57W	2700K-6500K	>80	130lm/W(WW) 143 lm/W(CW)	3255 lm(WW) 3580 lm(CW)	Spotlight / Downlight
					>90	118 lm/W(WW) 130 lm/W(CW)	2960 lm(WW) 3255 lm(CW)	
					97	104 lm/W(WW) 115 lm/W(CW)	2605 lm(WW) 2865 lm(CW)	
EAHP2828W (36V)		28x28x0.9mm	39-89W	2700K-6500K	>80	131lm/W(WW) 140 lm/W(CW)	5050 lm(WW) 5390 lm(CW)	Spotlight / Downlight
					>90	118 lm/W(WW) 125 lm/W(CW)	4545 lm(WW) 4850 lm(CW)	
					97	105 lm/W(WW) 112 lm/W(CW)	4040 lm(WW) 4310 lm(CW)	
EAHP2828W (36V)		28x28x0.9mm	58-134W	2700K-6500K	>80	127lm/W(WW) 136 lm/W(CW)	7340 lm(WW) 7830 lm(CW)	Spotlight / Downlight
					>90	115 lm/W(WW) 123 lm/W(CW)	6605 lm(WW) 7045 lm(CW)	
					97	103 lm/W(WW) 110 lm/W(CW)	5870 lm(WW) 6264 lm(CW)	
EAHP2828W (36V)		28x28x0.9mm	88-134W	2700K-6500K	>80	124lm/W(WW) 132 lm/W(CW)	10710 lm(WW) 11430 lm(CW)	Spotlight / Downlight
					>90	110 lm/W(WW) 118 lm/W(CW)	9640 lm(WW) 10285 lm(CW)	
					97	98 lm/W(WW) 105 lm/W(CW)	8570 lm(WW) 9145 lm(CW)	



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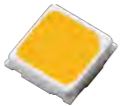




EMC LED Series

The EAHP3030W is a compact size and high lumen design concept. It is one of EVERLIGHT's new 1W packages that can be clustered in small arrays for high lumen density applications, paired with individual optics for directional lamps, or spread out evenly on a board for diffused applications. It is a very adaptable LED for multiple high lifetime applications.

EAHP3030W
(1W 6V)



Dimension	3.0 x 3.0 x 0.63 mm
Power Consumption	1W 6V
Color Temperature	2700K-6500K
Efficiency	130 lm/W(WW) / 140 lm/W(CW)
Lumens Output	130 lm(WW) / 140 lm(CW)
CRI	>80 / >90
Application	Downlight / Bay / Linear Fixture

The EVERLIGHT EAHP9595W series possesses superior efficiency and easy assembly with SMT process. Regarding to the performance of the package, EAHP9595W can be the best substitution of COBs while lowering the system cost in lighting applications. Another feature of this product is that a single EAHP9595W can be applied in diffused applications to achieve a simple high lumen design.

EAHP9595W
(8W 38V)

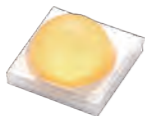


Dimension	9.5 x 9.5 x 0.8 mm
Power Consumption	8W 38V
Color Temperature	2700K-6500K
Efficiency	125 lm/W(WW) / 140 lm/W(CW)
Lumens Output	950 lm(WW) / 1050 lm(CW)
CRI	>80
Application	Directional Lamp / Spotlight / Diffused Apps / Streetlight

High Power LED Series

The EAHP3535WF series is EVERLIGHT's newest surface mount high-power device featuring high brightness combined with a compact size that is suitable for all kinds of lighting applications such as general illumination, flash, spot, signal, industrial and commercial lighting. The EAHP3535WF series is one of the most promising devices in EVERLIGHT's high power product offering and is ready to face the challenges of today's Solid-State Lighting requirements.

NEW EAHP3535WF
(1-4W 3V)



Dimension	3.5 x 3.5 x 2.36 mm
Power Consumption	1-4W 3V
Color Temperature	2700K-6500K
Efficiency	138 lm/W(WW)-167 lm/W(CW)
Lumens Output	150 lm(WW)-180 lm(CW)
CRI	>80 / >70
Application	Spotlight / Streetlight / Bay

Low-Mid Power High Efficiency LED Series

The EVERLIGHT EAHP3030W series reduces the total package size and deliver high efficiency. The product characteristics turn this white LED device into a real cost and energy saver and is a top solution for tube and panel light application.



EAHP3030W
High Efficiency
(0.2W-0.5W 3V)

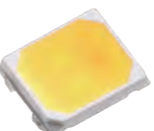


Dimension	3.0 x 3.0 x 0.63 mm
Power Consumption	0.2W-0.5W 3V
Color Temperature	2700K-6500K
Efficiency	180 lm/W(WW) / 200 lm/W(CW)
Lumens Output	33 lm(WW) / 35 lm(CW)
CRI	>80 / >90
Application	Tube / Panel / Linear Fixture

The EVERLIGHT EAHE2835W series is an upgrade from standard 3528 packages. With a newly designed heat slug and compact design, this LED can be over driven while maintaining its compact size, high efficiency, and cost effectiveness. The superior product characteristics turn this white LED device into a real cost and energy saver and is a top solution for any general lighting application.



EAHE2835W
High Efficiency
(0.2W 3V)
(0.5W 3V)



Dimension	2.8 x 3.5 x 0.7 mm	
Power Consumption	0.2W 3V	0.5W 3V
CCT	2700K-6500K	
Efficiency	183 lm/W(WW) 193 lm/W(CW)	188 lm/W(WW) 200 lm/W(CW)
Lumens Output	33.8 lm(WW) 35.7 lm(CW)	34.3 lm(WW) 36.5 lm(CW)
CRI	>80 / >90	
Application	Troffer / Tube / Linear Fixture	

The latest EVERLIGHT EAHE5630W High Efficiency (0.2W) series LED is a ultra high efficiency LED from EVERLIGHT. It provides an optimal solution to achieve 200lm/W tube applications and is a preferred LED for many other applications.



EAHE5630W
High Efficiency
(0.2-0.5W 3V)



Dimension	5.6 x 3.0 x 0.65 mm
Power Consumption	0.2W-0.5W 3V
Color Temperature	2700K-6500K
Efficiency	200 lm/W(WW)-220 lm/W(CW)
Lumens Output	35 lm(WW)-38 lm(CW)
CRI	>80 / >90
Application	Tube / Panel / Linear Fixture / Downlight

Low-Mid Power High Voltage LED Series

The latest EVERLIGHT EAHV2835W High Voltage series LED. The perfect LED for Driver on Board (DOB) design and linear driver. Experience the cost reduction solution with EVERLIGHT High Voltage LED.



EAHV2835W
(1W 9V)
(1W 12V)

Dimension	2.8 x 3.5 x 0.7 mm	
Power Consumption	1W 9V	1W 12V
Color Temperature	2700K-6500K	
Efficiency	134 lm/W(WW) 148 lm/W(CW)	125 lm/W(WW) 140 lm/W(CW)
Lumens Output	123 lm/W(WW) 136 lm/W(CW)	120 lm/W(WW) 135 lm/W(CW)
CRI	>80 / >90	
Application	Down Light / Outdoor / Fixture	





Horticulture Series

For wavelengths absorbed by plants, 450nm / 525nm / 660nm / 730nm are the main colors that promote growth of roots, stems, and leaves. EVERLIGHT has multiple packages and power ratings, 0.2W to 3W, available for design of horticulture lighting fixtures based on these three main wavelengths. Using these combinations, EVERLIGHT can accelerate growth of the horticulture lighting market.

Product Name	Product Photo	Dimension	Power Consumption	Wavelength	PPF(umoles /s)	PPF/W (umoles /J)	WPE%
EAHP3535		3.5 x 3.5 x 2.03 mm	1-3W	445-460nm	2.323	3.404	56%
				645-675nm	2.432	3.474	63%
				715-745nm	2.506	2.469	66%
EAHP3030		3.0 x 3.0 x 0.63 mm	0.5W	450-460nm	0.611	1.941	32%
				645-675nm	0.829	2.764	50%
				715-745nm	0.867	2.064	55%
EAHP2835		2.8 x 3.5 x 0.7 mm	0.5W	715-745 nm	0.507	1.691	28%
				645-675 nm	0.525	1.667	30%
				450-460 nm	0.957	1.934	51%

Color Choice®

This specialty EAH COB from Everlight is a color changing COB LED for the indoor retail and residential lighting industry. It consists of two foundational color tempera-tures of 2700K and 5700K that can be thoroughly mixed to achieve all ANSI color temperatures up to 5700K CCT. All mixture points achieve >100lm/W and >80Ra. This COB is ideal for setting the proper lighting environment.

Product name	Picture	Dimension	Power consumption	Voltage	CCT	Efficiency	Typ. Lumen output	CRI
EAHP2024W (9W)		20x24x2.3 mm ³	9W	12V & 24V	2700K-4000K-5700K	139-140-136 lm/W	1250-1270-1220 lm	80
						128-129-125 lm/W	1150-1160-1125 lm	90
EAHP3030W (19W)		30x30x2.3 mm ³	19W	27V		126-145-141 lm/W	2400-2700-2680 lm	80
						116-134-130 lm/W	2200-2550-2470 lm	90
EAHP3030W (29W)		30x30x2.3 mm ³	29W	27V		125-137-134 lm/W	3600-4000-3900 lm	80
						116-126-124 lm/W	3350-3650-3600 lm	90
EAHP3030W (19W)		30x30x2.3 mm ³	19W	27V	2200K-3000K	75-86 lm/w	1420-1640 lm	90

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