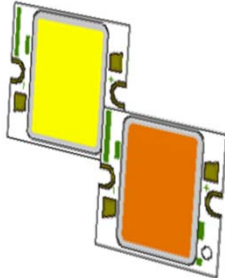
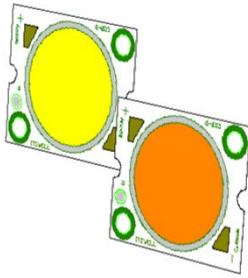
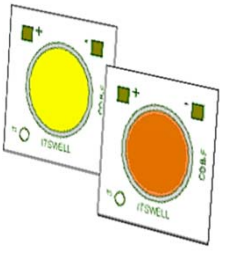
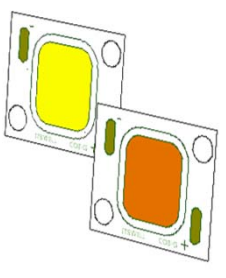


Make it Bright with LED

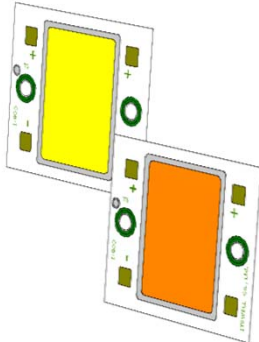
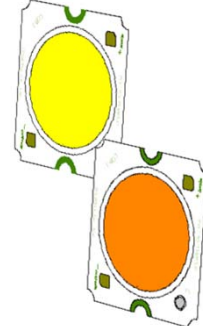
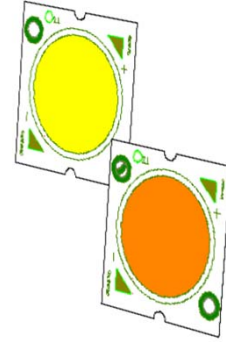
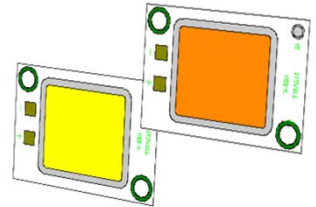


ITSWELL COB

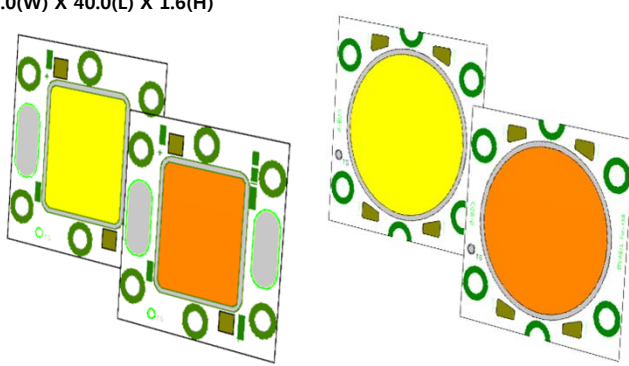
ITSWELL COB (3~13W Type)

Product Name	IWC-B04R2-X8-A0304	IWC-B07R2-X8-A0307	IWC-B13R2-X8-A0314	IWC-B07R2-X8-D0804	IWC-B10R2-X8-D0806	IWC-B13R2-X8-D0808	IWC-B03R2-X8-F0208	IWC-B05R2-X8-F0210	IWC-B07R2-X8-F0216	IWC-B04R2-X8-G0404	IWC-B05R2-X8-G0405	IWC-B06R2-X8-G0406													
ARRAY (S X P)	3(S) X4(P)	3(S) X 7(P)	3(S) X 14(P)	8(S) X 4(P)	8(S) X 6(P)	8(S) X 8(P)	2(S) X 8(P)	2(S) X 10(P)	2(S) X 16(P)	4(S) X 4(P)	4(S) X 5(P)	4(S) X 6(P)													
Electrical & Optical Characteristic	VF (V)	DC 9V (Customize Voltage: 9~126V)						DC 24V (Customize Voltage: 12~170V)						DC 6V (Customize Voltage: 6~48V)						DC 12V (Customize Voltage 9~72V)					
	IF(mA)	400	700	1400	280	400	530	560	800	1.120	360	450	540												
	PD(W)	3.6	6.3	12.6	6.7	9.6	13.0	3.3	4.8	6.7	4.3	5.4	6.4												
	CCT (K)	5000	3000	5000	3000	5000	3000	5000	3000	5000	3000	5000	3000	5000	3000	5000	3000	5000	3000	5000	3000	5000	3000		
	Φv(lm)	380	340	660	600	1,320	1,200	800	740	1,150	1,050	1,560	1,430	400	360	580	530	800	730	450	410	570	510	670	610
	η(lm/W)	105	95	105	95	105	95	120	110	120	110	120	110	120	110	120	110	120	110	105	95	105	95	105	95
	CRI	80 ↑																							
Drawing	Product Size(mm): COB-A 17.0(W) X 20.0(L) X 1.6(H) 						Product Size(mm) : COB-D 17.3(W) X 21.4(L) X 1.6(H) 						Product Size(mm) : COB-F 16.5(W) X 16.5(L) X 1.6(H) 						Product Size(mm) : COB-G 12.0(W) X 15.0(L) X 1.6(H) 						
Feature	Al Mirror Substrate : Reflectance 95% TVS Chip : ESD, Serge Protection																								

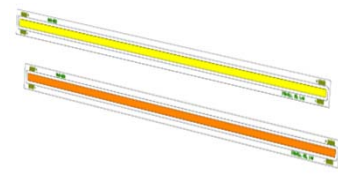
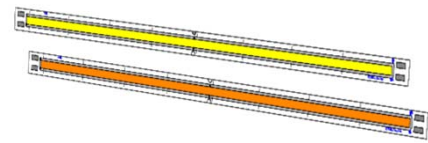
ITSWELL COB (10~33W Type)

Product Name	IWC-B10R2-X8-I2002	IWC-B20R2-X8-I2004	IWC-B30R2-X8-I2006	IWC-B10R2-X8-J0806	IWC-B13R2-X8-J0808	IWC-B16R2-X8-J0810	IWC-B15R2-X8-K0809	IWC-B20R2-X8-K0812	IWC-B25R2-X8-K0815	IWC-B10R2-X8-L0312	IWC-B15R2-X8-L0318	IWC-B20R2-X8-L0324													
ARRAY (S X P)	20(S) X2(P)		20(S) X 4(P)		20(S) X 6(P)		8(S) X 6(P)		8(S) X 8(P)		8(S) X 10(P)		8(S) X 9(P)		8(S) X 12(P)		8(S) X 15(P)		3(S) X 12(P)		3(S) X 18(P)		3(S) X 24(P)		
Electrical & Optical Characteristic	VF (V)	DC 60V (Customize Voltage: 12~240V)						DC 24V (Customize Voltage: 12~240V)						DC 24V (Customize Voltage: 12~240V)						DC 9V (Customize Voltage 9~72V)					
	IF(mA)	180		360		540		420		560		700		620		800		1060		1,150		1,650		2,200	
	PD(W)	10.8		21.6		32.4		10.1		13.4		16.8		15.0		19.2		25.4		10.4		14.8		19.8	
	CCT (K)	5000	3000	5000	3000	5000	3000	5000	3000	5000	3000	5000	3000	5000	3000	5000	3000	5000	3000	5000	3000	5000	3000	5000	3000
	Φv(lm)	1,130	1,030	2,260	2,050	3,400	3,080	1,160	1,060	1,540	1,400	1,930	1,760	1,800	1,650	2,300	2,110	3,050	2,800	1,090	990	1,550	1,400	2,080	1,880
	η(lm/W)	110	100	110	100	110	100	115	105	115	105	115	105	120	110	120	110	120	110	105	95	105	95	105	95
	CRI	80 ↑																							
Drawing	Product Size(mm): COB-I 26.0(W) X 30.0(L) X 1.6(H) 						Product Size(mm): COB-J 21.0(W) X 23.0(L) X 1.6(H) 						Product Size(mm): COB-K 25.0(W) X 26.0(L) X 1.6(H) 						Product Size(mm): COB-L 17.0(W) X 25.0(L) X 1.6(H) 						
Feature	Al Mirror Substrate : Reflectance 95% TVS Chip : ESD, Serge Protection																								

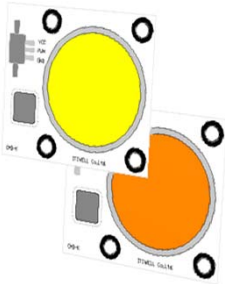
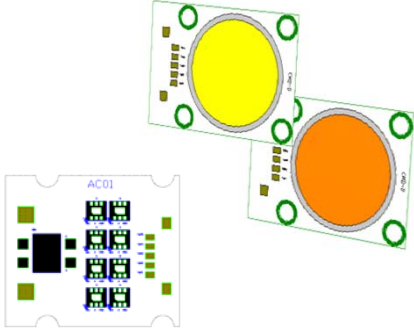
ITSWELL COB (30~60W Type)

Product Name	IWC-B30R2-X8-O(P)1509	IWC-B40R2-X8-O(P)1512	IWC-B50R2-X8-O(P)1507	IWC-B60R2-X8-O(P)1509					
ARRAY (S X P)	15(S) X 9(P)	15(S) X12(P)	15(S) X 7(P)	15(S) X 9(P)					
Electrical & Optical Characteristic	VF (V) DC 45V (Customize Voltage: 45~240V)								
	IF(mA)	680	900	1,100	1,350				
	PD(W)	30.6	40.5	49.5	60.7				
	CCT (K)	5000	3000	5000	3000	5000	3000	5000	3000
	Φv(lm)	3,520	3,060	4,650	4,050	4,950	4,480	6,370	5,760
	η(lm/W)	115	100	115	100	105	95	105	95
	CRI	80 ↑							
	Drawing	Product Size(mm): COB-O 40.0(W) X 40.0(L) X 1.6(H) 							
Feature	Al Mirror Substrate : Reflectance 95% TVS Chip : ESD, Serge Protection								

ITSWELL COB (Bar Type)

Product Name	IWC-B04R2-X8-S0309	IWC-B08R2-X8-S0309	IWC-B12R2-X8-T0808	IWC-B24R2-X8-T0808					
ARRAY (S X P)	3(S) X 9(P)	3(S) X 9(P)	8(S) X 8(P)	8(S) X 8(P)					
Electrical & Optical Characteristic	VF (V) DC 9V		DC 24V						
	IF(mA)	400	800	500	1000				
	PD(W)	3.6	7.2	12	24				
	CCT (K)	5000	3000	5000	3000	5000	3000	5000	3000
	Φv(lm)	340	300	680	610	1,140	1,020	2,280	2,040
	η(lm/W)	95	85	95	85	95	85	95	85
	CRI	80 ↑							
	Drawing	Product Size(mm): COB-S 6.5(W) X 140.0(L) X 1.8(H) 		Product Size(mm): COB-T 6.0(W) X 200.0(L) X 1.8(H) 					
Feature	Al Mirror Substrate : Reflectance 95% TVS Chip : ESD, Serge Protection								

ITSWELL CMD (SOC Type)

Product Name		IWM-B13R2-P8-K0808		IWM-B25R2-P8-K0816		IWM-B15R2-P8-D8801		
ARRAY (S X P)		8(S) X 8(P)		8(S) X 16(P)		88(S) X 1(P)		
Electrical & Optical Characteristic	VF (V)	DC 24V (Customize Voltage: 12~48V)				AC 240V		
	IF(mA)	530		1060		60		
	PD(W)	13.0		25.4		15		
	CCT (K)	5000	3000	5000	3000	5000	3000	
	Φ_v (lm)	1,560	1,430	3,050	2,800	1,800	1,650	
	η (lm/W)	120	110	120	110	120	110	
	CRI	80 ↑						
Drawing	Product Size(mm): CMD- K 				Product Size(mm): CMD - D 			
	Feature	Al Mirror Substrate : Reflectance 95% TVS Chip : ESD, Serge Protection SOC Chip : constant current control				SOC Chip : AC- DC Convert		

