

易 美



COB Product Catalog



COB Quick Selection Table

Typical Power LES mm	3-5W	5-10W	10-20W	20-30W	30-40W	40-60W	60-80W	80-100W
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上表额定功率仅供参考。根据客户应用的散热条件，实际应用功率可为额定功率的 1.5 倍至 2 倍，请参考规格书上的要求。

Above table is for reference only. Customers may apply 1.5 times to 2 times of the typical power for COB application. Please check the related COB data sheets.

易美可提供三种数据方案供客户选择：

- 1、常规生产数据的生产追溯；
- 2、特殊参数的测试需求（例如 R1-R15；Duv）；
- 3、每颗材料一对一的生产数据追溯。

易美可提供根据客户要求协作开发的订制方案。

Shineon offers three data solutions for customers to choose from:

- 1、Production traceability for routine production data；
- 2、Test requirements for special parameters(eg. R1-R15；Duv)；
- 3、One-to-one production data traceability for each material；

Shineon can provide customized solutions based on customer requirements.



技术 品质 服务

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技术 品质 服务

易美集团成立于 2010 年，由金沙江、北极光、IDG、MayField 等国际风投联合投资，多位国家级人才、留美博士创办。

易美集团聚焦光电、第三代半导体、新型显示等领域的国际先进硬科技技术，致力于新产品及高精尖产品的研发及制造。创建以来，易美得到了国际国内一流客户的认可与信任，并获得了红鲱鱼（Red Herring）全球 100 强，德勤（Deloitte）中国高科技高成长 50 强，国务院侨办重点华侨华人创业团队等荣誉。公司承接并主导了 17 项国家及北京重大科技项目，包括多项科技部国家重点研发计划，“战略性先进电子材料”重点专项课题等。

历经多年的飞速发展，为满足高品质光电器件及模组日益增长的市场需求，2017 年 10 月在南昌成立了“南昌易美光电科技有限公司”。公司利用北京的研发及国际化优势，结合南昌的地域及产业优势，加快扩大易美高品质光电封装器件与模组组件的生产规模，以满足国内外客户对高品质产品的需求。

易美集团坚持自主创新，在国际及国内创造了多个第一。被授予北京经济技术开发区博士后科研工作站；高亮度半导体发光器件北京国际科技合作基地；中关村国家自主创新示范区；北京科技研究开发机构；北京市设计创新中心等称号。公司已获得 150 多项国际、国内专利，积极参与国家标准编制，推动企业和行业的标准化发展，建立了由中国 CNAS 及美国 EPA 认证的 LM-80 实验室，先进的自动化产线采用 ISO9001 质量管理体系及专业的 ERP/MES 系统。公司始终坚信先进的技术、优质的服务、可靠的质量是生存之本与核心价值。公司的愿景是用创新改变世界，使世界更光明。公司的使命是成为顾客心目中 LED 技术方面的领导者、聚焦客户关注的挑战和压力，提供有竞争力的 LED 解决方案和服务、我们积极致力于器件、模组及制造技术方面的知识提升。

技术 品质 服务

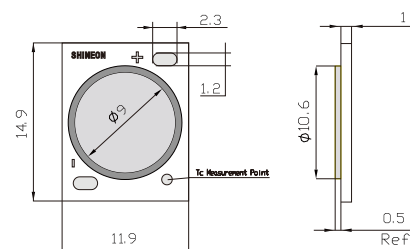


MF-12SA Warm Dimming

技术：技术创新是我们取得优势的条件

Feature

- Spot light, Down light
- 9.0mm LES
- CCT : from 2000K to 3200K
- Offer CRI 90
- 3-step binning
- Voltage :30v
- LM-80 certified



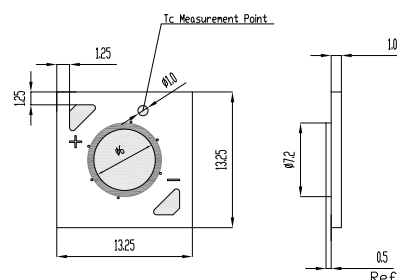
MF-12SA

型号 Part Number	显色性 Typ.Ra	色温 [K] CCT	光通量 [lm] @Typ.If	光效 [lm/w] @Typ.If	电流 [mA] Typ.If	电压 [V] Typ.Vf	功率 [W] Power	最大电流 [mA] Max.If	最大功率 [W] Max.Power
MF-12SA-2032-SS-A1C2-K7-00040H	92	2000	135	90	50	30.0	1.5	420	13.9
		3000	1390	120	350	33.0	11.6		

MF-13SA Warm Dimming

Feature

- Spot light, Down light
- 6mm LES
- CCT : from 1800K to 3000K
- Offer CRI 90
- 3-step binning
- Voltage :17.5v
- LM-80 certified



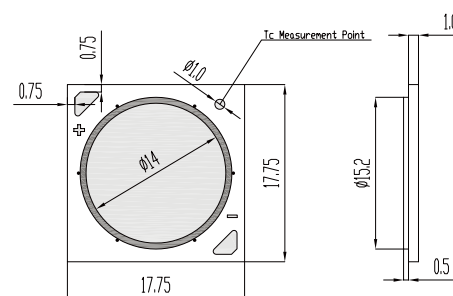
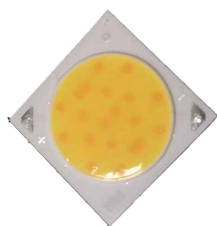
MF-13SA

型号 Part Number	显色性 Typ.Ra	色温 [K] CCT	光通量 [lm] @Typ.If	光效 [lm/w] @Typ.If	电流 [mA] Typ.If	电压 [V] Typ.Vf	功率 [W] Power	最大电流 [mA] Max.If	最大功率 [W] Max.Power
MF-13SA-1830-SS-5161-K7	92	1800	23	79	20	14.5	0.3	420	7.4
		3000	577	94	350	17.5	6.1		

MF-18SA Warm Dimming

Feature

- Spot light, Down light
- 14mm LES
- CCT : from 2000K to 3200K
- Offer CRI 90
- 3-step binning
- Voltage :30v

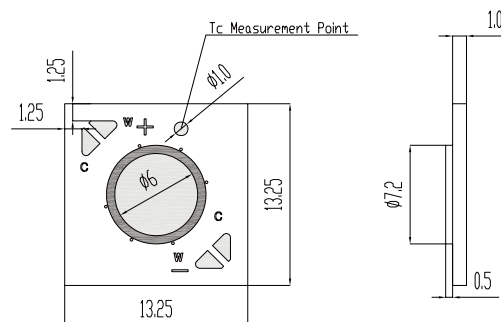


MF-18SA

型号 Part Number	显色性 Typ.Ra	色温 [K] CCT	光通量 [lm] @Typ.If	光效 [lm/w] @Typ.If	电流 [mA] Typ.If	电压 [V] Typ.Vf	功率 [W] Power	最大电流 [mA] Max.If	最大功率 [W] Max.Power
MF-18SA-2032-SS-A2C4-K7	92	2000	304	101	100	30.0	3.0	900	30.2
		3200	3020	120	750	33.5	25.1		

MF-13DA Color Tunable

品质：不接受不良品、不制造不良品、不流出不良品



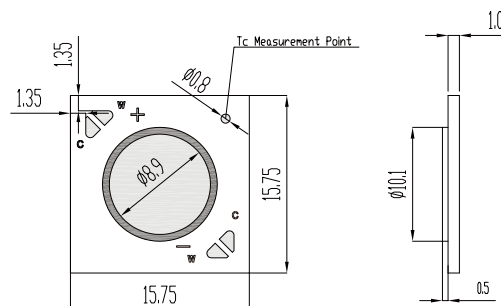
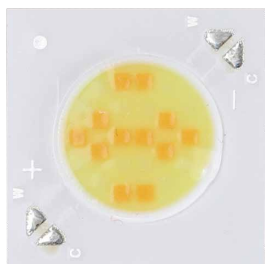
Feature

- Spot light, Down light
- 6mm LES
- CCT : from 2700K to 5700K
- Offer CRI 90
- 5-step binning
- Voltage :9v
- LM-80 certified

MF-13DA

型号 Part Number	显色性 Typ.Ra	色温 [K] CCT	光通量 [lm] @Typ.If	光效 [lm/w] @Typ.If	电流 [mA] Typ.If (C-C)	电流 [mA] Typ.If (W-W)	电压 [V] Typ.Vf	功率 [W] Power	最大电流 [mA] Max.If	最大功率 [W] Max.Power
MF-13DA-2757-SS-3232-K7	92	2700	588	93	100	600	9.0	6.3	800	7.2
		5700	725	115	670	30				

MF-15DA Color Tunable



Feature

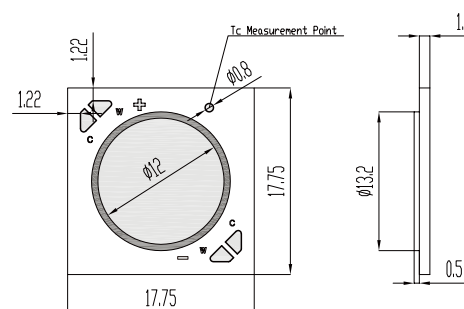
- Spot light, Down light
- 8.9mm LES
- CCT : from 2700K to 5700K
- Offer CRI 90
- 5-step binning
- Voltage :36v
- LM-80 certified

MF-15DA

型号 Part Number	显色性 Typ.Ra	色温 [K] CCT	光通量 [lm] @Typ.If	光效 [lm/w] @Typ.If	电流 [mA] Typ.If (C-C)	电流 [mA] Typ.If (W-W)	电压 [V] Typ.Vf	功率 [W] Power	最大电流 [mA] Max.If	最大功率 [W] Max.Power
MF-15DA-2757-SS-C1C1-K7	92	2700	1156	92	50	300	36.0	12.6	420	15.1
		5700	1418	113	335	15				

MF-18DB Color Tunable

服务：聚焦客户关注的挑战和压力，提供有竞争力的 LED 解决方案和服务



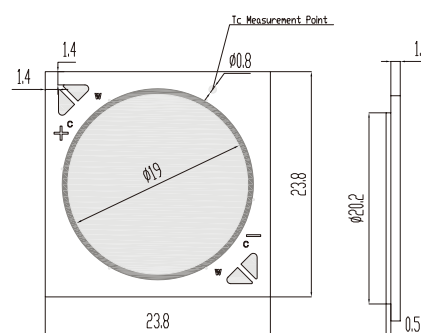
Feature

- Track light, Down light
- 12mm LES
- CCT : from 2700K to 5700K
- Offer CRI 90
- 5-step binning
- Voltage :36v
- LM-80 certified

MF-18DB

型号 Part Number	显色性 Typ.Ra	色温 [K] CCT	光通量 [lm] @Typ.If	光效 [lm/w] @Typ.If	电流 [mA] Typ.If (C-C)	电流 [mA] Typ.If (W-W)	电压 [V] Typ.Vf	功率 [W] Power	最大电流 [mA] Max.If	最大功率 [W] Max.Power
MF-18DB-2757-SS-C2C2-K7	92	2700	2248	89	100	600	36.0	25.2	840	30.2
		5700	2805	111	670	30				

MF-25DA Color Tunable



Feature

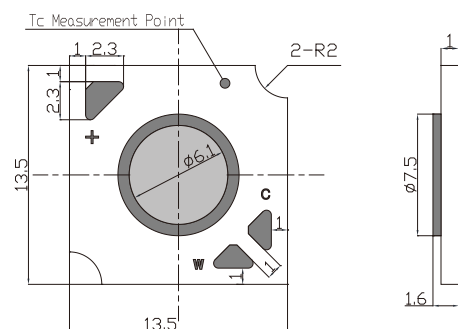
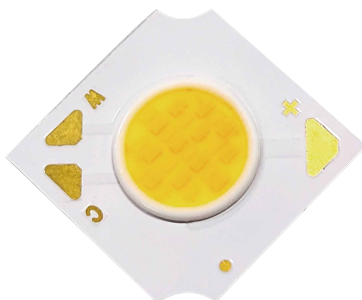
- High bay, Down light
- 19mm LES
- CCT : from 2700K to 5700K
- Offer CRI 90
- 5-step binning
- Voltage :36v
- LM-80 certified

MF-25DA

型号 Part Number	显色性 Typ.Ra	色温 [K] CCT	光通量 [lm] @Typ.If	光效 [lm/w] @Typ.If	电流 [mA] Typ.If (C-C)	电流 [mA] Typ.If (W-W)	电压 [V] Typ.Vf	功率 [W] Power	最大电流 [mA] Max.If	最大功率 [W] Max.Power
MF-25DA-2757-SS-C4C4-K7	92	2700	4265	85	200	1200	36.0	50.4	1680	60.5
		5700	5326	106	1340	60				

MD-13DB Color Tunable

技术：技术创新是我们取得优势的条件

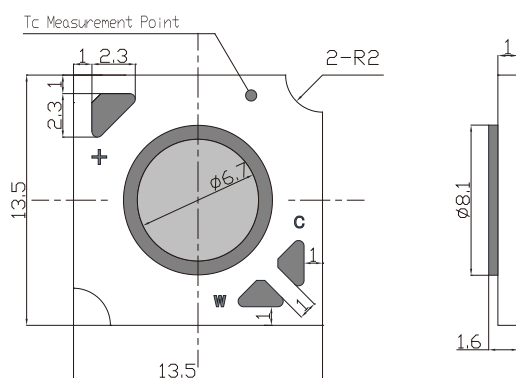
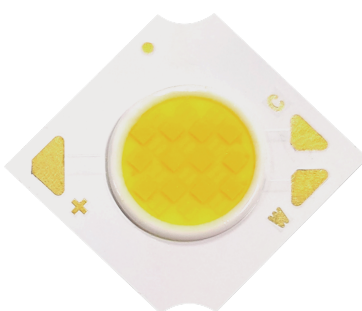


Feature

- Track light, Down light
- 6.1mm LES
- CCT : from 2700K to 5700K
- Offer CRI 90
- 5 steps binning
- Voltage :36v

MD-13DB

型号 Part Number	显色性 Typ.Ra	色温 [K] CCT	光通量 [lm] @Typ.If	光效 [lm/w] @Typ.If	电流 [mA] Typ.If (C-C)	电流 [mA] Typ.If (W-W)	电压 [V] Typ.Vf	功率 [W] Power	最大电流 [mA] Max.If	最大功率 [W] Max.Power
MD-13DB-2757-SS- C1C1-K5-000400	92	2700	480	89	0	150	36.0	5.4	180	6.5
		5700	530	98	150	0				



Feature

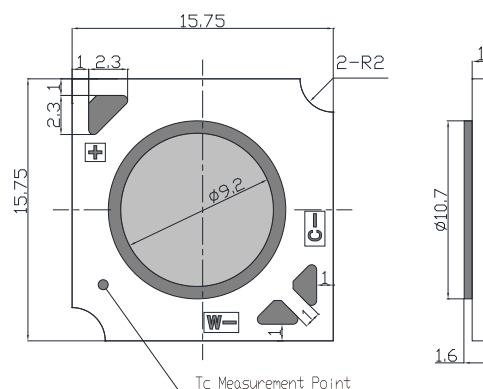
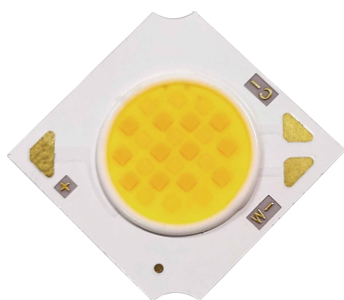
- Spot light, Down light
- 6.7mm LES
- CCT : from 2700K to 5700K
- Offer CRI 90
- 5 steps binning
- Voltage :35v

MD-13DA

型号 Part Number	显色性 Typ.Ra	色温 [K] CCT	光通量 [lm] @Typ.If	光效 [lm/w] @Typ.If	电流 [mA] Typ.If (C-C)	电流 [mA] Typ.If (W-W)	电压 [V] Typ.Vf	功率 [W] Power	最大电流 [mA] Max.If	最大功率 [W] Max.Power
MD-13DA-2757-SS- C1C2-K5-000401	92	2700	755	86	0	250	35.0	8.8	350	12.3
		5700	872	100	250	0				

MD-15DA Color Tunable

品质：不接受不良品、不制造不良品、不流出不良品

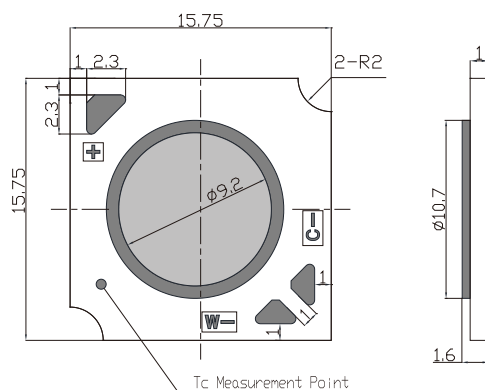


Feature

- Track light, Down light
- 9.2mm LES
- CCT : from 2700K to 5700K
- Offer CRI 90
- 5 steps binning
- Voltage :36v

MD-15DA

型号 Part Number	显色性 Typ.Ra	色温 [K] CCT	光通量 [lm] @Typ.If	光效 [lm/w] @Typ.If	电流 [mA] Typ.If (C-C)	电流 [mA] Typ.If (W-W)	电压 [V] Typ.Vf	功率 [W] Power	最大电流 [mA] Max.If	最大功率 [W] Max.Power
MD-15DA-2757- SS-C1C1-K7-000401	92	2700	1110	88	0	350	36.0	12.6	350	12.6
		5700	1250	99	350	0				



Feature

- Track light, Down light
- 9.2mm LES
- CCT : from 2700K to 5700K
- Offer CRI 90
- 5 steps binning
- Voltage :35v

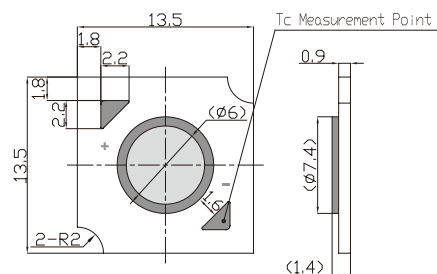
MD-15DA

型号 Part Number	显色性 Typ.Ra	色温 [K] CCT	光通量 [lm] @Typ.If	光效 [lm/w] @Typ.If	电流 [mA] Typ.If (C-C)	电流 [mA] Typ.If (W-W)	电压 [V] Typ.Vf	功率 [W] Power	最大电流 [mA] Max.If	最大功率 [W] Max.Power
MD-15DA-2757- SS-C2C2-K7-000401	92	2700	1630	93	0	500	35.0	17.5	700	24.5
		5700	1810	103	500	0				

Aluminum Substrate MC-13BT Series

(Major COB line)

技术：技术创新是我们取得优势的条件



Feature

- MR11,MR16,GU10 spot light, candle light
- 6mm LES
- Standard CRI 80 with optional CRI 90 and CRI 95
- Standard 3-step with optional 2-step binning
- Voltage selection: 9v and 36v
- LM-80 certified

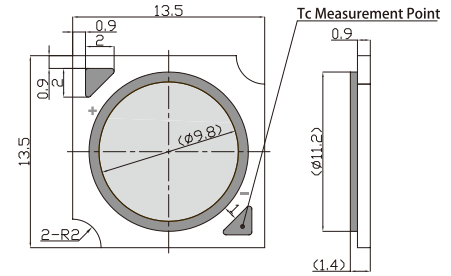
MC-13BT

型号 Part Number	显色性 Typ.Ra	色温 [K] CCT	光通量 [lm] @Typ.If	光效 [lm/w] @Typ.If	电流 [mA] Typ.If	电压 [V] Typ.Vf	功率 [W] Power	最大电流 [mA] Max.If	最大功率 [W] Max.Power
MC-13BT-270-H-0305-C		2700	294	155	225	8.4	1.9	600	5.1
			381	150	300	8.5	2.6		
MC-13BT-3000-H-0305-C		3000	309	164	225	8.4	1.9		
			402	158	300	8.5	2.6		
MC-13BT-4000-H-0305-C	82	4000	318	168	225	8.4	1.9		
			414	162	300	8.5	2.6		
MC-13BT-5000-H-0305-C		5000	328	173	225	8.4	1.9		
			426	167	300	8.5	2.6		
MC-13BT-5700-H-0305-C		5700	329	174	225	8.4	1.9		
			428	168	300	8.5	2.6		
MC-13BT-270-H-1202-C		2700	431	143	90	33.5	3.0	240	8.2
			560	138	120	34.0	4.1		
MC-13BT-3000-H-1202-C		3000	454	151	90	33.5	3.0		
			590	145	120	34.0	4.1		
MC-13BT-4000-H-1202-C	82	4000	467	155	90	33.5	3.0		
			607	149	120	34.0	4.1		
MC-13BT-5000-H-1202-C		5000	481	159	90	33.5	3.0		
			625	153	120	34.0	4.1		
MC-13BT-5700-H-1202-C		5700	483	160	90	33.5	3.0		
			628	154	120	34.0	4.1		

Aluminum Substrate MC-13AA Series

(Major COB line)

品质：不接受不良品、不制造不良品、不流出不良品



Feature

- MR11, MR16, GU10 spot light
- 9.8mm LES
- Offer CRI 80 and CRI 90
- Standard 3-step with optional 2-step binning
- Voltage selection: 36v
- LM-80 certified

MC-13AA

型号 Part Number	显色性 Typ.Ra	色温 [K] CCT	光通量 [lm] @Typ.If	光效 [lm/w] @Typ.If	电流 [mA] Typ.If	电压 [V] Typ.Vf	功率 [W] Power	最大电流 [mA] Max.If	最大功率 [W] Max.Power
MC-13AA-270-H-1202-C	82	2700	485	160	90	33.5	3.0	240	8.2
			629	154	120	34.0	4.1		
MC-13AA-300-H-1202-C		3000	510	169	90	33.5	3.0		
			662	162	120	34.0	4.1		
MC-13AA-400-H-1202-C		4000	525	174	90	33.5	3.0		
			681	167	120	34.0	4.1		
MC-13AA-500-H-1202-C	91	5000	541	180	90	33.5	3.0		
			702	172	120	34.0	4.1		
MC-13AA-570-H-1202-C		5700	543	181	90	33.5	3.0		
			705	172	120	34.0	4.1		
MC-13AA-270-S-1202-C		2700	416	138	90	33.5	3.0		
			540	132	120	34.0	4.1		
MC-13AA-300-S-1202-C	82	3000	438	145	90	33.5	3.0	360	12.2
			569	139	120	34.0	4.1		
MC-13AA-400-S-1202-C		4000	451	149	90	33.5	3.0		
			585	143	120	34.0	4.1		
MC-13AA-500-S-1202-C		5000	464	153	90	33.5	3.0		
			603	147	120	34.0	4.1		
MC-13AA-270-H-1203-C	91	2700	713	157	135	33.5	4.5		
			925	151	180	34.0	6.1		
MC-13AA-300-H-1203-C		3000	750	166	135	33.5	4.5		
			974	159	180	34.0	6.1		
MC-13AA-400-H-1203-C		4000	772	170	135	33.5	4.5		
			1004	164	180	34.0	6.1		
MC-13AA-500-H-1203-C	82	5000	795	175	135	33.5	4.5		
			1032	168	180	34.0	6.1		
MC-13AA-570-H-1203-C		5700	799	176	135	33.5	4.5		
			1037	169	180	34.0	6.1		
MC-13AA-270-S-1203-C		2700	612	135	135	33.5	4.5		
			794	130	180	34.0	6.1		
MC-13AA-300-S-1203-C	91	3000	644	142	135	33.5	4.5		
			836	137	180	34.0	6.1		
MC-13AA-400-S-1203-C		4000	663	146	135	33.5	4.5		
			861	141	180	34.0	6.1		
MC-13AA-500-S-1203-C		5000	683	151	135	33.5	4.5		
			886	145	180	34.0	6.1		

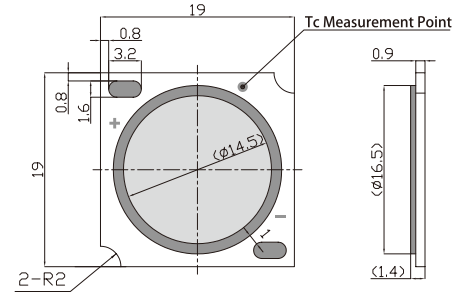
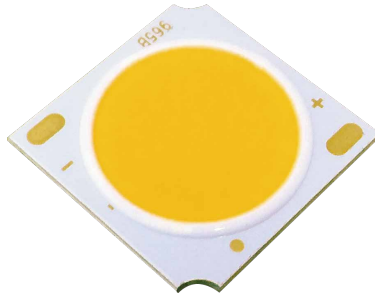
MC-13AA

型号 Part Number	显色性 Typ.Ra	色温 [K] CCT	光通量 [lm] @Typ.If	光效 [lm/w] @Typ.If	电流 [mA] Typ.If	电压 [V] Typ.Vf	功率 [W] Power	最大电流 [mA] Max.If	最大功率 [W] Max.Power
MC-13AA-270-H-1204-C	82	2700	933	155	180	33.5	6.0	480	16.3
			1212	149	240	34.0	8.2		
MC-13AA-300-H-1204-C		3000	982	163	180	33.5	6.2		
			1276	156	240	34.0	8.4		
MC-13AA-400-H-1204-C		4000	1012	168	180	33.5	6.0		
			1315	161	240	34.0	8.2		
MC-13AA-500-H-1204-C		5000	1041	172	180	33.5	6.0		
			1353	166	240	34.0	8.2		
MC-13AA-570-H-1204-C		5700	1047	173	180	33.5	6.0		
			1359	166	240	34.0	8.2		
MC-13AA-270-S-1204-C	91	2700	801	133	180	33.5	6.0		
			1040	128	240	34.0	8.2		
MC-13AA-300-S-1204-C		3000	844	140	180	33.5	6.0		
			1095	134	240	34.0	8.2		
MC-13AA-400-S-1204-C		4000	868	144	180	33.5	6.0		
			1128	138	240	34.0	8.2		
MC-13AA-500-S-1204-C		5000	894	148	180	33.5	6.0		
			1161	142	240	34.0	8.2		
MC-13AA-270-H-1203-B	82	2700	1495	160	270	34.5	9.3	690	24.2
			1917	152	360	35.0	12.6		
MC-13AA-300-H-1203-B		3000	1574	169	270	34.5	9.3		
			2018	160	360	35.0	12.6		
MC-13AA-400-H-1203-B		4000	1621	174	270	34.5	9.3		
			2078	165	360	35.0	12.6		
MC-13AA-500-H-1203-B		5000	1668	180	270	34.5	9.3		
			2139	169	360	35.0	12.6		
MC-13AA-570-H-1203-B		5700	1676	180	270	34.5	9.3		
			2149	170	360	35.0	12.6		
MC-13AA-270-S-1203-B	91	2700	1283	138	270	34.5	9.3		
			1645	131	360	35.0	12.6		
MC-13AA-300-S-1203-B		3000	1350	145	270	34.5	9.3		
			1731	137	360	35.0	12.6		
MC-13AA-400-S-1203-B		4000	1392	149	270	34.5	9.3		
			1784	141	360	35.0	12.6		
MC-13AA-500-S-1203-B		5000	1432	153	270	34.5	9.3		
			1835	145	360	35.0	12.6		
MC-13AA-270-H-1204-B	82	2700	1840	148	360	34.5	12.4	920	32.2
			2359	141	480	35.0	16.8		
MC-13AA-300-H-1204-B		3000	1937	156	360	34.5	12.4		
			2484	148	480	35.0	16.8		
MC-13AA-400-H-1204-B		4000	1995	161	360	34.5	12.4		
			2558	152	480	35.0	16.8		
MC-13AA-500-H-1204-B		5000	2053	165	360	34.5	12.4		
			2633	157	480	35.0	16.8		
MC-13AA-570-H-1204-B		5700	2063	166	360	34.5	12.4		
			2645	157	480	35.0	16.8		
MC-13AA-270-S-1204-B	91	2700	1580	127	360	34.5	12.4		
			2025	121	480	35.0	16.8		
MC-13AA-300-S-1204-B		3000	1662	134	360	34.5	12.4		
			2132	127	480	35.0	16.8		
MC-13AA-400-S-1204-B		4000	1713	138	360	34.5	12.4		
			2196	131	480	35.0	16.8		
MC-13AA-500-S-1204-B		5000	1762	142	360	34.5	12.4		
			2260	135	480	35.0	16.8		

Aluminum Substrate MC-19AA Series

(Major COB line)

服务：聚焦客户关注的挑战和压力，提供有竞争力的 LED 解决方案和服务



Feature

- Track light, PAR light 20/30/38
- 14.5mm LES
- Offer CRI 80 and CRI 90
- Standard 3-step with optional 2-step binning
- Voltage selection: 36v
- LM-80 certified

MC-19AA

型号 Part Number	显色性 Typ.Ra	色温 [K] CCT	光通量 [lm] @Typ.If	光效 [lm/w] @Typ.If	电流 [mA] Typ.If	电压 [V] Typ.Vf	功率 [W] Power	最大电流 [mA] Max.If	最大功率 [W] Max.Power
MC-19AA-270-H-1206-C	82	2700	1482	164	270	33.5	9.0	720	24.5
			1926	157	360	34.0	12.2		
MC-19AA-300-H-1206-C		3000	1561	172	270	33.5	9.0		
			2027	165	360	34.0	12.2		
MC-19AA-400-H-1206-C		4000	1608	177	270	33.5	9.0		
			2088	170	360	34.0	12.2		
MC-19AA-500-H-1206-C		5000	1654	183	270	33.5	9.0		
			2148	175	360	34.0	12.2		
MC-19AA-570-H-1206-C		5700	1662	184	270	33.5	9.0		
			2158	176	360	34.0	12.2		
MC-19AA-270-S-1206-C	91	2700	1272	141	270	33.5	9.0		
			1653	135	360	34.0	12.2		
MC-19AA-300-S-1206-C		3000	1339	148	270	33.5	9.0		
			1740	142	360	34.0	12.2		
MC-19AA-400-S-1206-C		4000	1380	152	270	33.5	9.0		
			1792	146	360	34.0	12.2		
MC-19AA-500-S-1206-C		5000	1420	157	270	33.5	9.0		
			1844	150	360	34.0	12.2		
MC-19AA-270-H-1208-C	82	2700	1937	160	360	33.5	12.1		
			2515	154	480	34.0	16.3		
MC-19AA-300-H-1208-C		3000	2039	169	360	33.5	12.1		
			2648	162	480	34.0	16.3		
MC-19AA-400-H-1208-C		4000	2100	174	360	33.5	12.1		
			2727	167	480	34.0	16.3		
MC-19AA-500-H-1208-C		5000	2161	180	360	33.5	12.1		
			2807	172	480	34.0	16.3		
MC-19AA-570-H-1208-C		5700	2172	181	360	33.5	12.1		
			2820	172	480	34.0	16.3		
MC-19AA-270-S-1208-C	91	2700	1662	138	360	33.5	12.1		
			2159	132	480	34.0	16.3		
MC-19AA-300-S-1208-C		3000	1750	145	360	33.5	12.1		
			2273	139	480	34.0	16.3		
MC-19AA-400-S-1208-C		4000	1803	149	360	33.5	12.1		
			2341	143	480	34.0	16.3		
MC-19AA-500-S-1208-C		5000	1855	153	360	33.5	12.1		
			2409	147	480	34.0	16.3		

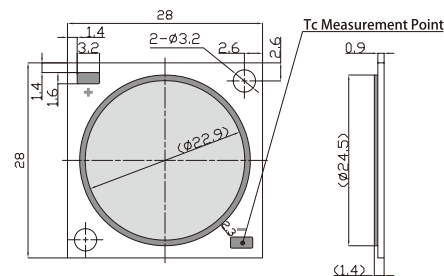
MC-19AA

型号 Part Number	显色性 Typ.Ra	色温 [K] CCT	光通量 [lm] @Typ.If	光效 [lm/w] @Typ.If	电流 [mA] Typ.If	电压 [V] Typ.Vf	功率 [W] Power	最大电流 [mA] Max.If	最大功率 [W] Max.Power
MC-19AA-270-H-1212-C	82	2700	2810	155	540	33.5	18.1	1440	49.0
			3650	149	720	34.0	24.5		
MC-19AA-300-H-1212-C		3000	2958	163	540	33.5	18.1		
			3841	157	720	34.0	24.5		
MC-19AA-400-H-1212-C		4000	3047	168	540	33.5	18.1		
			3957	161	720	34.0	24.5		
MC-19AA-500-H-1212-C		5000	3135	173	540	33.5	18.1		
			4072	166	720	34.0	24.5		
MC-19AA-570-H-1212-C		5700	3150	174	540	33.5	18.1		
			4091	167	720	34.0	24.5		
MC-19AA-270-S-1212-C	91	2700	2412	133	540	33.5	18.1		
			3132	128	720	34.0	24.5		
MC-19AA-300-S-1212-C		3000	2539	140	540	33.5	18.1		
			3297	135	720	34.0	24.5		
MC-19AA-400-S-1212-C		4000	2615	144	540	33.5	18.1		
			3396	139	720	34.0	24.5		
MC-19AA-500-S-1212-C		5000	2691	148	540	33.5	18.1		
			3495	143	720	34.0	24.5		
MC-19AA-270-H-1208-B	82	2700	3962	159	720	34.5	24.8	1840	64.4
			5079	151	960	35.0	33.6		
MC-19AA-300-H-1208-B		3000	4170	168	720	34.5	24.8		
			5346	159	960	35.0	33.6		
MC-19AA-400-H-1208-B		4000	4295	173	720	34.5	24.8		
			5506	164	960	35.0	33.6		
MC-19AA-500-H-1208-B		5000	4420	177	720	34.5	24.8		
			5666	168	960	35.0	33.6		
MC-19AA-570-H-1208-B		5700	4441	179	720	34.5	24.8		
			5694	169	960	35.0	33.6		
MC-19AA-270-S-1208-B	91	2700	3400	137	720	34.5	24.8		
			4359	130	960	35.0	33.6		
MC-19AA-300-S-1208-B		3000	3579	144	720	34.5	24.8		
			4589	137	960	35.0	33.6		
MC-19AA-400-S-1208-B		4000	3686	148	720	34.5	24.8		
			4726	141	960	35.0	33.6		
MC-19AA-500-S-1208-B		5000	3793	152	720	34.5	24.8		
			4864	145	960	35.0	33.6		
MC-19AA-270-H-1210-B	82	2700	4847	156	900	34.5	31.1	2300	80.5
			6214	148	1200	35.0	42.0		
MC-19AA-300-H-1210-B		3000	5102	164	900	34.5	31.1		
			6541	156	1200	35.0	42.0		
MC-19AA-400-H-1210-B		4000	5255	169	900	34.5	31.1		
			6737	160	1200	35.0	42.0		
MC-19AA-500-H-1210-B		5000	5408	174	900	34.5	31.1		
			6934	165	1200	35.0	42.0		
MC-19AA-570-H-1210-B		5700	5434	175	900	34.5	31.1		
			6967	166	1200	35.0	42.0		
MC-19AA-270-S-1210-B	91	2700	4160	134	900	34.5	31.1		
			5333	127	1200	35.0	42.0		
MC-19AA-300-S-1210-B		3000	4380	141	900	34.5	31.1		
			5615	134	1200	35.0	42.0		
MC-19AA-400-S-1210-B		4000	4510	145	900	34.5	31.1		
			5783	138	1200	35.0	42.0		
MC-19AA-500-S-1210-B		5000	4642	149	900	34.5	31.1		
			5951	142	1200	35.0	42.0		

Aluminum Substrate MC-28AA Series

(Major COB line)

技术：技术创新是我们取得优势的条件



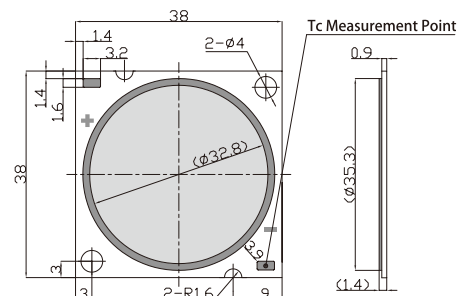
Feature

- Down light, high bay
- 23mm LES
- Offer CRI 80 and CRI 90
- Standard 3-step with optional 2-step binning
- Voltage selection: 36v and 54v
- LM-80 certified

MC-28AA

型号 Part Number	显色性 Typ.Ra	色温 [K] CCT	光通量 [lm] @Typ.If	光效 [lm/w] @Typ.If	电流 [mA] Typ.If	电压 [V] Typ.Vf	功率 [W] Power	最大电流 [mA] Max.If	最大功率 [W] Max.Power
MC-28AA-270-H-1212-B	82	2700	5532	146	1080	35.0	37.8	2760	98.0
			7093	139	1440	35.5	51.1		
MC-28AA-300-H-1212-B		3000	5824	154	1080	35.0	37.8		
			7466	146	1440	35.5	51.1		
MC-28AA-400-H-1212-B		4000	5999	159	1080	35.0	37.8		
			7691	150	1440	35.5	51.1		
MC-28AA-500-H-1212-B		5000	6173	163	1080	35.0	37.8		
			7914	155	1440	35.5	51.1		
MC-28AA-570-H-1212-B		5700	6203	164	1080	35.0	37.8		
			7952	156	1440	35.5	51.1		
MC-28AA-270-S-1212-B	91	2700	4749	126	1080	35.0	37.8		
			6088	119	1440	35.5	51.1		
MC-28AA-300-S-1212-B		3000	4999	132	1080	35.0	37.8		
			6409	126	1440	35.5	51.1		
MC-28AA-400-S-1212-B		4000	5149	136	1080	35.0	37.8		
			6601	129	1440	35.5	51.1		
MC-28AA-500-S-1212-B		5000	5298	140	1080	35.0	37.8		
			6793	133	1440	35.5	51.1		
MC-28AA-270-H-1812-B	82	2700	7931	140	1080	52.5	56.7		
			10166	133	1440	53.2	76.6		
MC-28AA-300-H-1812-B		3000	8348	147	1080	52.5	56.7		
			10702	140	1440	53.2	76.6		
MC-28AA-400-H-1812-B		4000	8598	152	1080	52.5	56.7		
			11023	144	1440	53.2	76.6		
MC-28AA-500-H-1812-B		5000	8849	156	1080	52.5	56.7		
			11344	148	1440	53.2	76.6		
MC-28AA-570-H-1812-B		5700	8890	157	1080	52.5	56.7		
			11397	149	1440	53.2	76.6		
MC-28AA-270-S-1812-B	91	2700	6806	121	1080	52.5	56.7		
			8726	114	1440	53.2	76.6		
MC-28AA-300-S-1812-B		3000	7165	127	1080	52.5	56.7		
			9186	119	1440	53.2	76.6		
MC-28AA-400-S-1812-B		4000	7380	130	1080	52.5	56.7		
			9462	124	1440	53.2	76.6		
MC-28AA-500-S-1812-B		5000	7595	134	1080	52.5	56.7		
			9737	127	1440	53.2	76.6		

(Major COB line)



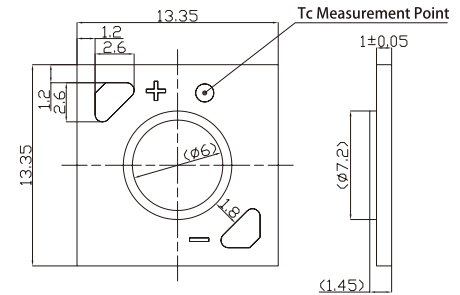
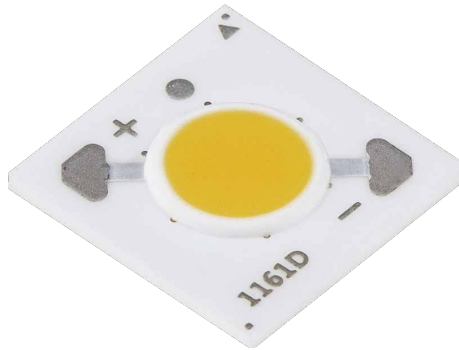
- Down light, high bay
- 32.8mm LES
- Offer CRI 70 and CRI 80
- Standard 3-step with optional 2-step binning
- Voltage selection: 51v
- LM-80 certified

型号 Part Number	显色性 Typ.Ra	色温 [K] CCT	光通量 [lm] @Typ.lf	光效 [lm/w] @Typ.lf	电流 [mA] Typ.lf	电压 [V] Typ.Vf	功率 [W] Power	最大电流 [mA] Max.lf	最大功率 [W] Max.Power
MC-38AA-270-H-1708-B	82	2700	6990	143	960	51.0	49.0	1440	73.4
MC-38AA-300-H-1708-B		3000	7358	150					
MC-38AA-400-H-1708-B		4000	7579	155					
MC-38AA-500-H-1708-B		5000	7800	159					
MC-38AA-570-H-1708-B		5700	7837	160					
MC-38AA-570-N-1708-B	72	5700	8000	163					
MC-38AA-270-H-1716-B	82	2700	12912	132	1920	51.0	97.9	2880	146.9
MC-38AA-300-H-1716-B		3000	13592	139					
MC-38AA-400-H-1716-B		4000	14000	143					
MC-38AA-500-H-1716-B		5000	14408	147					
MC-38AA-570-H-1716-B		5700	14475	148					
MC-38AA-570-N-1716-B	72	5700	15000	153					

Ceramic Substrate MT-13AB Series

(Major COB line)

服务：聚焦客户关注的挑战和压力，提供有竞争力的 LED 解决方案和服务



Feature

- MR11,MR16, GU10 spot light, candle light
- 6mm LES
- Offer CRI 80 and CRI 90
- Standard 3-step with optional 2-step binning
- Voltage selection: 9v and 36v
- LM-80 certified

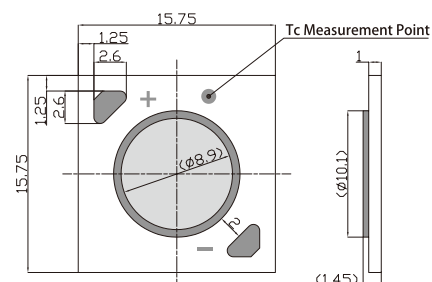
MT-13AB

型号 Part Number	显色性 Typ.Ra	色温 [K] CCT	光通量 [lm] @Typ.If	光效 [lm/w] @Typ.If	电流 [mA] Typ.If	电压 [V] Typ.Vf	功率 [W] Power	最大电流 [mA] Max.If	最大功率 [W] Max.Power
MT-13AB-270-H-0305-B2	82	2700	447	124	400	9.0	3.6	1000	9.0
MT-13AB-300-H-0305-B2		3000	456	127					
MT-13AB-400-H-0305-B2		4000	470	130					
MT-13AB-500-H-0305-B2		5000	483	134					
MT-13AB-570-H-0305-B2		5700	486	135					
MT-13AB-270-S-0305-B2	91	2700	380	106					
MT-13AB-300-S-0305-B2		3000	388	108					
MT-13AB-400-S-0305-B2		4000	399	111					
MT-13AB-500-S-0305-B2		5000	411	114					
MT-13AB-270-H-1202-C4	82	2700	433	127	100	34.0	3.4	250	8.5
MT-13AB-300-H-1202-C4		3000	456	134					
MT-13AB-400-H-1202-C4		4000	470	138					
MT-13AB-500-H-1202-C4		5000	483	142					
MT-13AB-570-H-1202-C4		5700	486	143					
MT-13AB-270-S-1202-C4	91	2700	368	108					
MT-13AB-300-S-1202-C4		3000	388	114					
MT-13AB-400-S-1202-C4		4000	399	117					
MT-13AB-500-S-1202-C4		5000	411	121					

Ceramic Substrate MT-15AA Series

(Major COB line)

技术：技术创新是我们取得优势的条件



17

Feature

- MR11,MR16, GU10 spot light
- 8.9mm LES
- Offer CRI 80 and CRI 90
- Standard 3-step with optional 2-step binning
- Voltage selection: 36v
- LM-80 certified

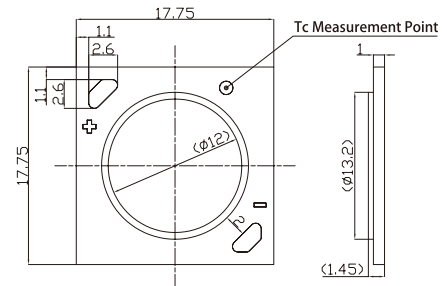
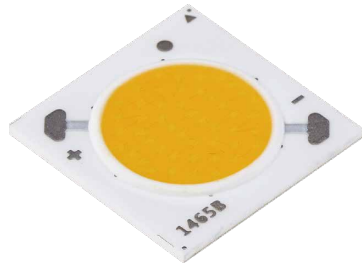
MT-15AA

型号 Part Number	显色性 Typ.Ra	色温 [K] CCT	光通量 [lm] @Typ.If	光效 [lm/w] @Typ.If	电流 [mA] Typ.If	电压 [V] Typ.Vf	功率 [W] Power	最大电流 [mA] Max.If	最大功率 [W] Max.Power
MT-15AA-270-H-1203-C4	82	2700	903	127	200	35.5	7.1	375	13.3
MT-15AA-300-H-1203-C4		3000	950	134					
MT-15AA-400-H-1203-C4		4000	979	138					
MT-15AA-500-H-1203-C4		5000	1007	142					
MT-15AA-570-H-1203-C4		5700	1012	143					
MT-15AA-270-S-1203-C4	91	2700	767	108	250	36.0	9.0	450	16.2
MT-15AA-300-S-1203-C4		3000	808	114					
MT-15AA-400-S-1203-C4		4000	832	117					
MT-15AA-500-S-1203-C4		5000	856	121					
MT-15AA-270-H-1202-B2	82	2700	1109	123					
MT-15AA-300-H-1202-B2		3000	1167	130					
MT-15AA-400-H-1202-B2		4000	1202	134					
MT-15AA-500-H-1202-B2		5000	1237	137					
MT-15AA-570-H-1202-B2		5700	1243	138					
MT-15AA-270-S-1202-B2	91	2700	942	105					
MT-15AA-300-S-1202-B2		3000	992	110					
MT-15AA-400-S-1202-B2		4000	1022	114					
MT-15AA-500-S-1202-B2		5000	1051	117					
MT-15AA-270-H-1203-B2	82	2700	1511	120	350	36.0	12.6	600	21.6
MT-15AA-300-H-1203-B2		3000	1591	126					
MT-15AA-400-H-1203-B2		4000	1639	130					
MT-15AA-500-H-1203-B2		5000	1686	134					
MT-15AA-570-H-1203-B2		5700	1694	134					
MT-15AA-270-S-1203-B2	91	2700	1285	102					
MT-15AA-300-S-1203-B2		3000	1352	107					
MT-15AA-400-S-1203-B2		4000	1393	111					
MT-15AA-500-S-1203-B2		5000	1433	114					

Ceramic Substrate MT-18AA Series

(Major COB line)

品质：不接受不良品、不制造不良品、不流出不良品



Feature

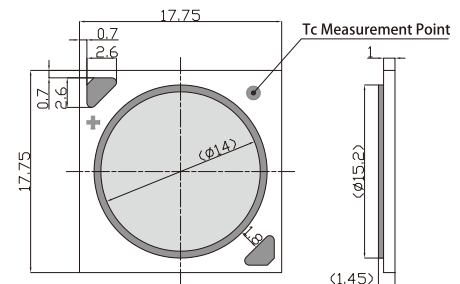
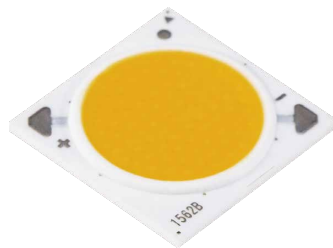
- Track light, PAR light 20/30/38
- 12mm LES
- Offer CRI 80 and CRI 90
- Standard 3-step with optional 2-step binning
- Voltage selection: 36v
- LM-80 certified

MT-18AA

型号 Part Number	显色性 Typ.Ra	色温 [K] CCT	光通量 [lm] @Typ.If	光效 [lm/w] @Typ.If	电流 [mA] Typ.If	电压 [V] Typ.Vf	功率 [W] Power	最大电流 [mA] Max.If	最大功率 [W] Max.Power
MT-18AA-270-H-1204-B2	82	2700	2046	126	450	36.0	16.2	900	32.4
MT-18AA-300-H-1204-B2		3000	2154	133					
MT-18AA-400-H-1204-B2		4000	2219	137					
MT-18AA-500-H-1204-B2		5000	2283	141					
MT-18AA-570-H-1204-B2		5700	2294	142					
MT-18AA-270-S-1204-B2	91	2700	1739	107	550	36.0	19.8	1050	37.8
MT-18AA-300-S-1204-B2		3000	1831	113					
MT-18AA-400-S-1204-B2		4000	1886	116					
MT-18AA-500-S-1204-B2		5000	1941	120					
MT-18AA-270-H-1205-B2	82	2700	2388	121					
MT-18AA-300-H-1205-B2		3000	2514	127					
MT-18AA-400-H-1205-B2		4000	2589	131					
MT-18AA-500-H-1205-B2		5000	2665	135					
MT-18AA-570-H-1205-B2		5700	2677	135					
MT-18AA-270-S-1205-B2	91	2700	2030	103	800	36.0	28.8	1400	50.4
MT-18AA-300-S-1205-B2		3000	2137	108					
MT-18AA-400-S-1205-B2		4000	2201	111					
MT-18AA-500-S-1205-B2		5000	2265	114					

Ceramic Substrate MT-18AB Series

(Major COB line)



Feature

- Track light, PAR light 20/30/38
- 14mm LES
- Offer CRI 80 and CRI 90
- Standard 3-step with optional 2-step binning
- Voltage selection: 36v
- LM-80 certified

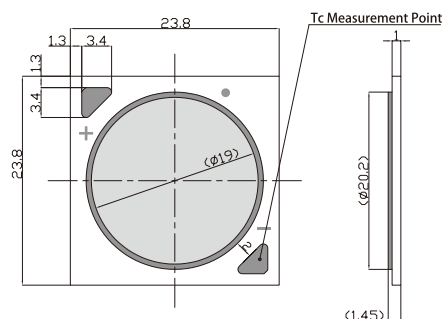
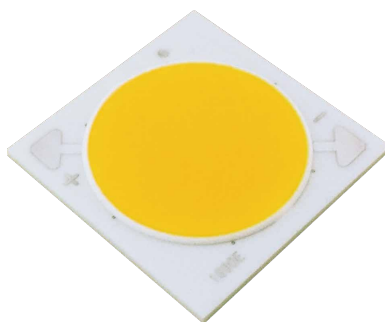
MT-18AB

型号 Part Number	显色性 Typ.Ra	色温 [K] CCT	光通量 [lm] @Typ.If	光效 [lm/w] @Typ.If	电流 [mA] Typ.If	电压 [V] Typ.Vf	功率 [W] Power	最大电流 [mA] Max.If	最大功率 [W] Max.Power
MT-18AB-270-H-1207-B2	82	2700	3478	121	800	36.0	28.8	1400	50.4
MT-18AB-300-H-1207-B2		3000	3661	127					
MT-18AB-400-H-1207-B2		4000	3771	131					
MT-18AB-500-H-1207-B2		5000	3881	135					
MT-18AB-570-H-1207-B2		5700	3899	135					
MT-18AB-270-S-1207-B2	91	2700	2956	103	800	36.0	28.8	1400	50.4
MT-18AB-300-S-1207-B2		3000	3112	108					
MT-18AB-400-S-1207-B2		4000	3205	111					
MT-18AB-500-S-1207-B2		5000	3299	115					

Ceramic Substrate MT-25AA Series

(Major COB line)

服务：聚焦客户关注的挑战和压力，提供有竞争力的 LED 解决方案和服务



Feature

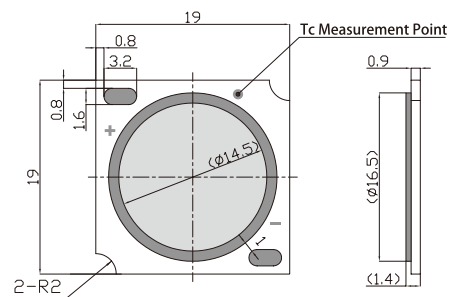
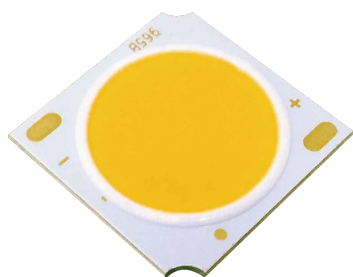
- Down light, high bay
- 19mm LES
- Offer CRI 80 and CRI 90
- Standard 3-step with optional 2-step binning
- Voltage selection: 36v

MT-25AA

型号 Part Number	显色性 Typ.Ra	色温 [K] CCT	光通量 [lm] @Typ.If	光效 [lm/w] @Typ.If	电流 [mA] Typ.If	电压 [V] Typ.Vf	功率 [W] Power	最大电流 [mA] Max.If	最大功率 [W] Max.Power
MT-25AA-270-H-1207-B	82	2700	3981	138	800	36.0	28.8	1600	57.6
MT-25AA-300-H-1207-B		3000	4191	146					
MT-25AA-400-H-1207-B		4000	4317	150					
MT-25AA-500-H-1207-B		5000	4442	154					
MT-25AA-570-H-1207-B		5700	4463	155					
MT-25AA-270-S-1207-B	91	2700	3384	118	1100	35.5	39.1	2100	74.6
MT-25AA-300-S-1207-B		3000	3562	124					
MT-25AA-400-S-1207-B		4000	3669	127					
MT-25AA-500-S-1207-B		5000	3776	131					
MT-25AA-270-H-1210-B	82	2700	5191	133					
MT-25AA-300-H-1210-B		3000	5464	140					
MT-25AA-400-H-1210-B		4000	5628	144					
MT-25AA-500-H-1210-B		5000	5792	148					
MT-25AA-570-H-1210-B		5700	5819	149					
MT-25AA-270-S-1210-B	91	2700	4412	113					
MT-25AA-300-S-1210-B		3000	4644	119					
MT-25AA-400-S-1210-B		4000	4784	123					
MT-25AA-500-S-1210-B		5000	4923	126					

Retail Lighting – V series

技术：技术创新是我们取得优势的条件

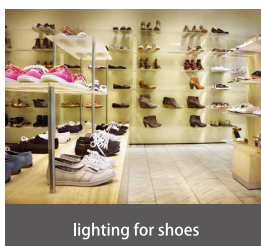


Feature

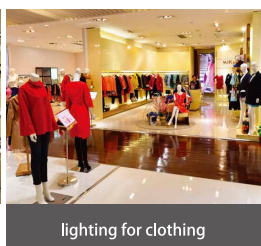
- BBBL color for retail and hospitality directional track light
- 2-step binning
- Voltage selection: 36v
- LM-80 certified

MC-19AA

型号 Part Number	显色性 Typ.Ra	色温 [K] CCT	光通量 [lm] @Typ.If	光效 [lm/w] @Typ.If	电流 [mA] Typ.If	电压 [V] Typ.Vf	功率 [W] Power	最大电流 [mA] Max.If	最大功率 [W] Max.Power
MC-19AA-V30-H-1208-B	80	V3000	4811	141	960	35.5	34.1	1840	65.3
MC-19AA-V30-E-1208-B	95	V3000	3893	114	960	35.5	34.1	1840	65.3



lighting for shoes



lighting for clothing

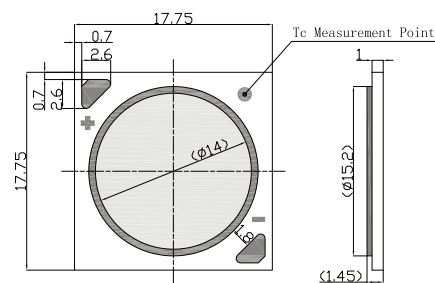
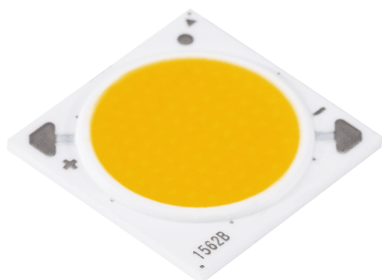


lighting for leather products

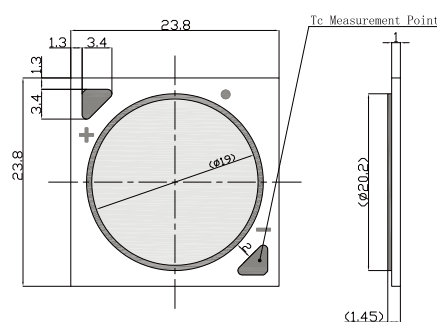
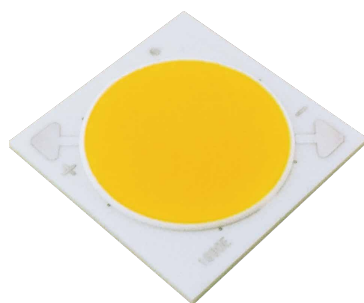
Supermarket Lighting Series

品质：不接受不良品、不制造不良品、不流出不良品

MT-18AB



MT-25AA



Feature

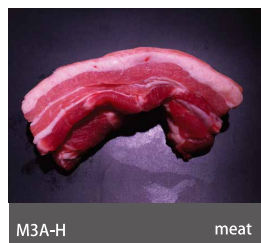
- Supermarket lighting for fruit, vegetable, meat, etc
- Different LES choices
- 3-step binning
- Voltage selection: 36v

MT-18AB

型号 Part Number	显色性 Typ.Ra	色温 [K] CCT	光通量 [lm] @Typ.If	光效 [lm/w] @Typ.If	电流 [mA] Typ.If	电压 [V] Typ.Vf	功率 [W] Power	最大电流 [mA] Max.If	最大功率 [W] Max.Power	应用 application
MT-18AB-V3B-S-1207-B	90	V3150	3098	121	720	35.5	25.6	1440	49.7	vegetable fruit
MT-18AB-M3A-H-1207-B	80	M3300	2408	94						meat

MT-25AA

型号 Part Number	显色性 Typ.Ra	色温 [K] CCT	光通量 [lm] @Typ.If	光效 [lm/w] @Typ.If	电流 [mA] Typ.If	电压 [V] Typ.Vf	功率 [W] Power	最大电流 [mA] Max.If	最大功率 [W] Max.Power	应用 application
MT-25AA-V3B-S-1210-B	90	V3150	5230	123	1200	35.5	42.6	2100	74.6	vegetable fruit
MT-25AA-M3A-H-1210-B	80	M3300	4031	95						meat

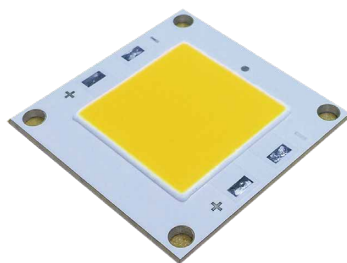


Feature

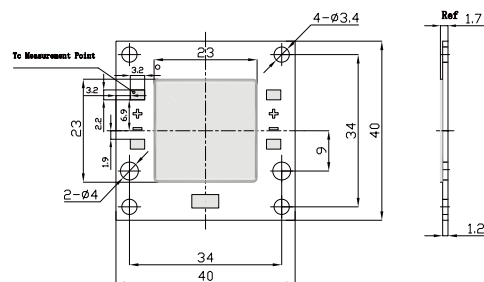
- Flood light, high bay light and street light
- Offer CRI 60 and CRI 70
- 3-step binning
- Voltage selection: 50v&31v
- Flip-Chip die

Flip-Chip MD Series

服务：聚焦客户关注的挑战和压力，提供有竞争力的 LED 解决方案和服务

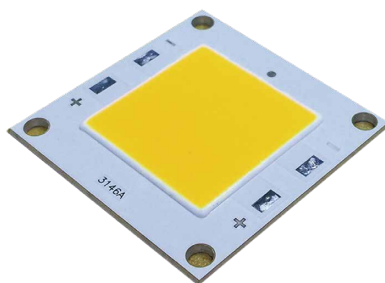


21.8mmx21.8mm

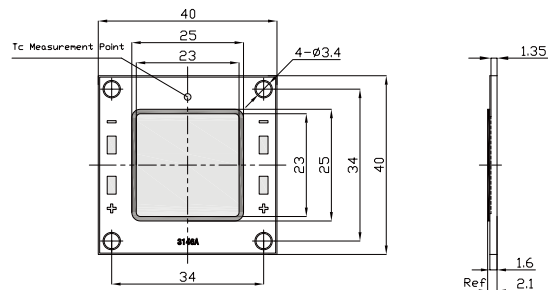


MD-40J1

型号 Part Number	显色性 Typ.Ra	色温 [K] CCT	光通量 [lm] @Typ.If	光效 [lm/w] @Typ.If	电流 [mA] Typ.If	电压 [V] Typ.Vf	功率 [W] Power	最大电流 [mA] Max.If	最大功率 [W] Max.Power
MD-40J1-500-N-1705-K1	70	4000	8349	169	1000	49.5	50	1600	80
MD-40J1-500-N-1709-K1			13344	163	1650	49.5	80	2050	100
MD-40J1-500-N-1712-K1			16148	159	2050	49.5	100	2350	120



23mmx23mm



MD-40J3

型号 Part Number	显色性 Typ.Ra	色温 [K] CCT	光通量 [lm] @Typ.If	光效 [lm/w] @Typ.If	电流 [mA] Typ.If	电压 [V] Typ.Vf	功率 [W] Power	最大电流 [mA] Max.If	最大功率 [W] Max.Power
MD-40J3-250-L-1125-K7*	60	2500	11445	154	2400	31	74.4	3000	100
MD-40J3-500-N-1125-K7	70	5000	12629	170	2400	31	74.4	3000	100

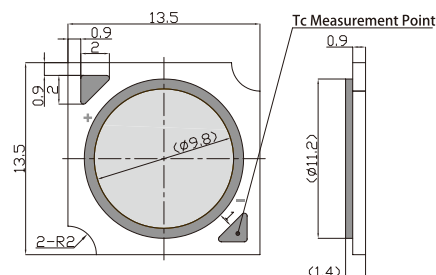
* 高光效高显指 LED 替换传统高压钠灯

High-Voltage Sodium Light High Eff. High CRI LED Light to Replace a traditional High-Voltage Sodium Light

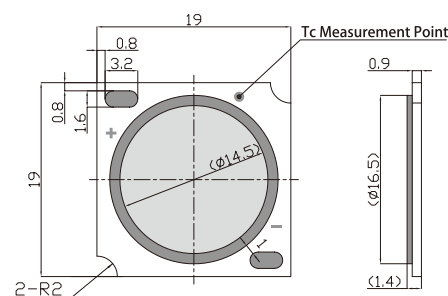
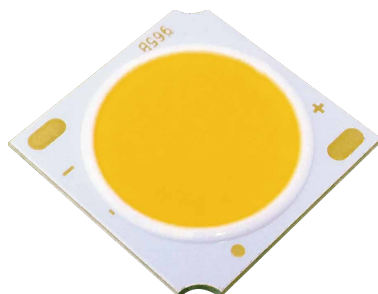
Full Spectrum Kaleidolite™ Series

服务：聚焦客户关注的挑战和压力，提供有竞争力的 LED 解决方案和服务

MC-13AA



MC-19AA



Feature

- High CRI/R9
- High color fidelity Rf
- Proper color gamut Rg
- Different LES choices
- 3-step binning
- Voltage selection: 9V and 36V

MC-13AA

型号 Part Number	显色性 Typ.Ra	色温 [K] CCT	光通量 [lm] @Typ.If	光效 [lm/w] @Typ.If	电流 [mA] Typ.If	电压 [V] Typ.Vf	功率 [W] Power	最大电流 [mA] Max.If	最大功率 [W] Max.Power
MC-13AA-270-F-0308-B	97	2700	792	126	720	8.7	6.3	1840	16.4
			1029	120	960	8.9	8.5		
MC-13AA-300-F-0308-B		3000	834	133	720	8.7	6.3		
			1083	127	960	8.9	8.4		
MC-13AA-400-F-0308-B		4000	859	137	720	8.7	6.3		
			1115	131	960	8.9	8.5		
MC-13AA-500-F-0308-B		5000	884	141	720	8.7	6.3		
			1148	134	960	8.9	8.5		
MC-13AA-570-F-0308-B		5700	888	142	720	8.7	6.3		
			1153	135	960	8.9	8.5		

MC-19AA

型号 Part Number	显色性 Typ.Ra	色温 [K] CCT	光通量 [lm] @Typ.If	光效 [lm/w] @Typ.If	电流 [mA] Typ.If	电压 [V] Typ.Vf	功率 [W] Power	最大电流 [mA] Max.If	最大功率 [W] Max.Power
MC-19AA-270-F-1208-C	97	2700	1901	118	480	33.5	16.1	960	32.6
			2837	116	720	34.0	24.5		
MC-19AA-300-F-1208-C		3000	2001	124	480	33.5	16.1		
			2986	122	720	34.0	24.5		
MC-19AA-400-F-1208-C		4000	2061	128	480	33.5	16.1		
			3076	126	720	34.0	24.5		
MC-19AA-500-F-1208-C		5000	2121	132	480	33.5	16.1		
			3165	129	720	34.0	24.5		
MC-19AA-570-F-1208-C		5700	2131	133	480	33.5	16.1		
			3180	130	720	34.0	24.5		
MC-19AA-270-F-1208-B	97	2700	2761	111	720	34.5	24.8	1840	64.4
			3586	107	960	35.0	33.6		
MC-19AA-300-F-1208-B		3000	2907	117	720	34.5	24.8		
			3775	112	960	35.0	33.6		
MC-19AA-400-F-1208-B		4000	2994	121	720	34.5	24.8		
			3888	116	960	35.0	33.6		
MC-19AA-500-F-1208-B		5000	3081	124	720	34.5	24.8		
			4002	119	960	35.0	33.6		
MC-19AA-570-F-1208-B		5700	3096	125	720	34.5	24.8		
			4020	120	960	35.0	33.6		



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