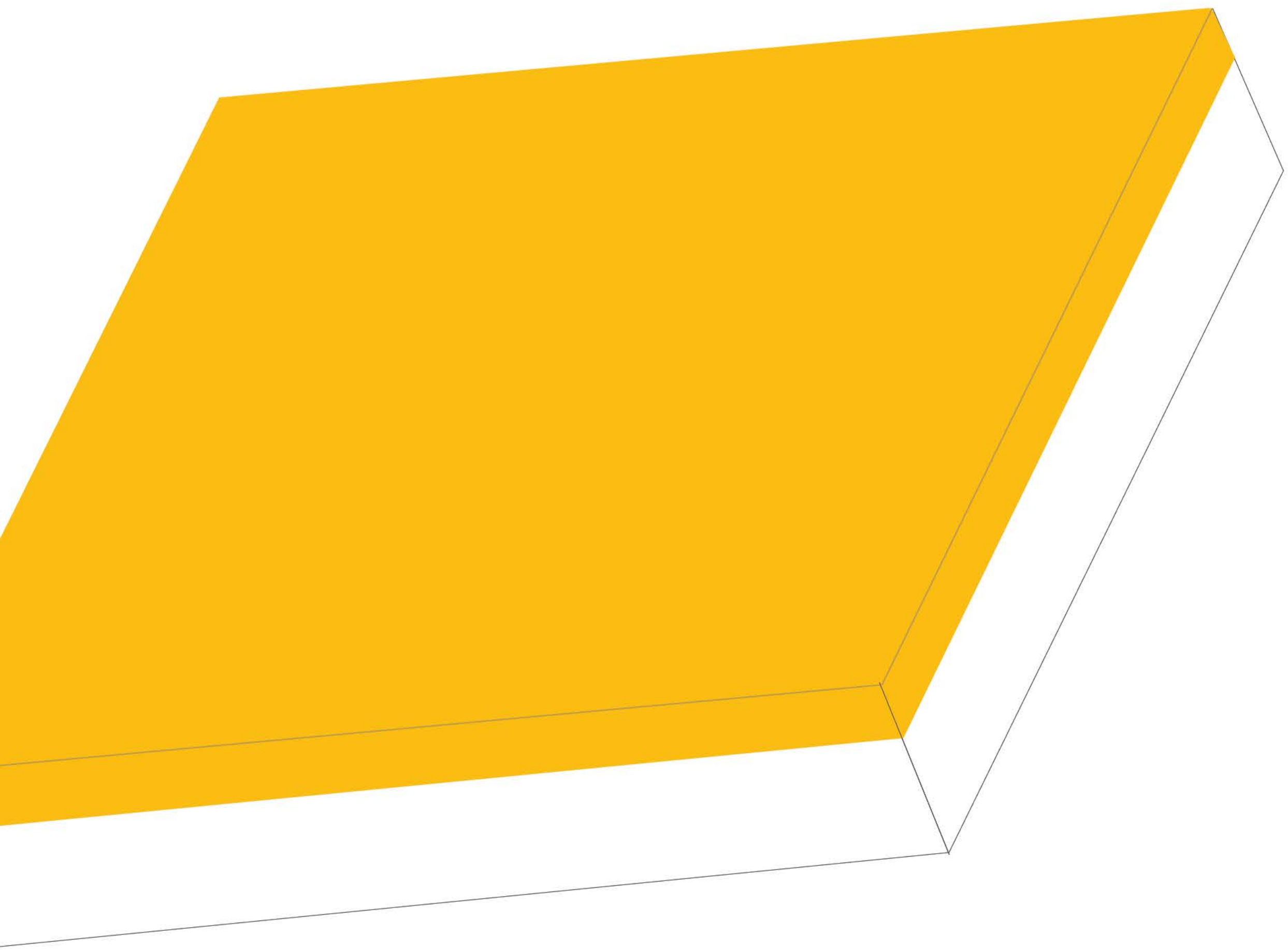
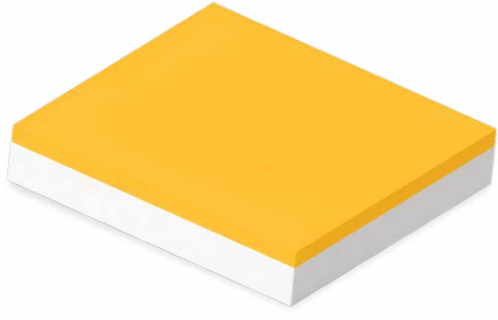


General Lighting | Package

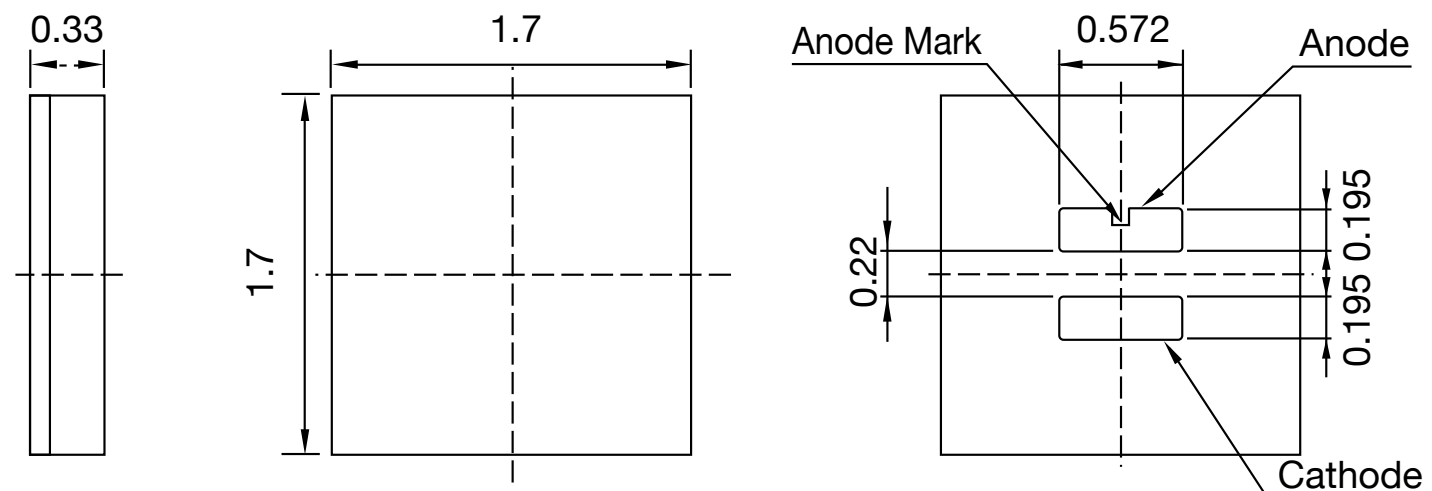
# CSP LEDs





## Compact form factor for design flexibility

- 0.5W class mid power 3V LED
- Compact footprint: 1.7mm × 1.7mm



[150mA, 85°C]

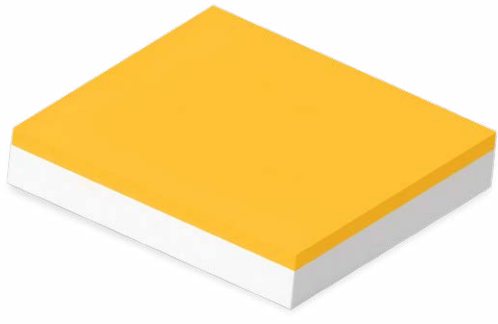
CRI	CCT (K)	Part Number	Luminous Flux (lm)		
			Bin	Min.	Max.
70+	2700	SCP7WT78HEL1W☆S06E	SE	59	63
			SF	63	67
			SG	67	71
	3000	SCP7VT78HEL1V☆S06E	SF	63	67
			SG	67	71
			SH	71	75
	3500	SCP7UT78HEL1U☆S06E	SF	63	67
			SG	67	71
			SH	71	75
	4000	SCP7TT78HEL1T☆S06E	SG	67	71
			SH	71	75
			SJ	75	70
	5000	SCP7RT78HEL1R☆S06E	SG	67	71
			SH	71	75
SJ			75	70	
5700	SCP7QT78HEL1Q☆S06E	SF	63	67	
		SG	67	71	
		SH	71	75	
6500	SCP7PT78HEL1P☆S06E	SF	63	67	
		SG	67	71	
		SH	71	75	
80+	2700	SCP8WT78HEL1W☆S06E	SE	59	63
			SF	63	67
			SG	67	71
	3000	SCP8VT78HEL1V☆S06E	SE	59	63
			SF	63	67
			SG	67	71
	3500	SCP8UT78HEL1U☆S06E	SF	63	67
			SG	67	71
			SH	71	75
	4000	SCP8TT78HEL1T☆S06E	SF	63	67
			SG	67	71
			SH	71	75
	5000	SCP8RT78HEL1R☆S06E	SF	63	67
			SG	67	71
SH			71	75	
5700	SCP8QT78HEL1Q☆S06E	SF	63	67	
		SG	67	71	
		SH	71	75	
6500	SCP8PT78HEL1P☆S06E	SE	59	63	
		SF	63	67	
		SG	67	71	

\* “☆” can be “L” (MacAdam 5-step), “U” (MacAdam 3-step)

[150mA, 85°C]

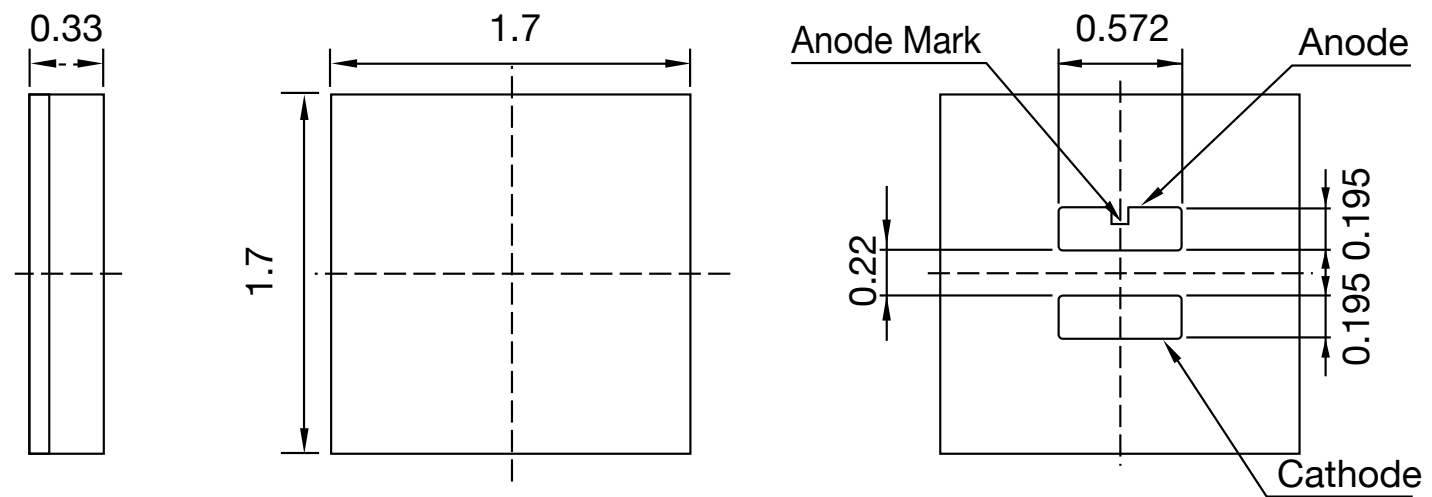
CRI	CCT (K)	Part Number	Luminous Flux (lm)		
			Bin	Min.	Max.
90+	2700	SCP9WT78HEL1W☆S06E	SB	47	51
			SC	51	55
			SD	55	59
	3000	SCP9VT78HEL1V☆S06E	SB	47	51
			SC	51	55
			SD	55	59
	3500	SCP9UT78HEL1U☆S06E	SB	47	51
			SC	51	55
			SD	55	59
	4000	SCP9TT78HEL1T☆S06E	SC	51	55
			SD	55	59
			SE	59	63
	5000	SCP9RT78HEL1R☆S06E	SC	51	55
			SD	55	59
			SE	59	63

Note: “☆” can be “L” (MacAdam 5-step), “U” (MacAdam 3-step)



## Compact form factor for design flexibility

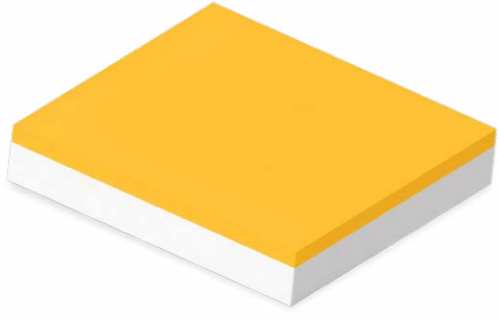
- 2W class high power CSP
- Suitable for high/low bay lighting
- Compact footprint: 1.7mm x 1.7mm



[150mA, 85°C]

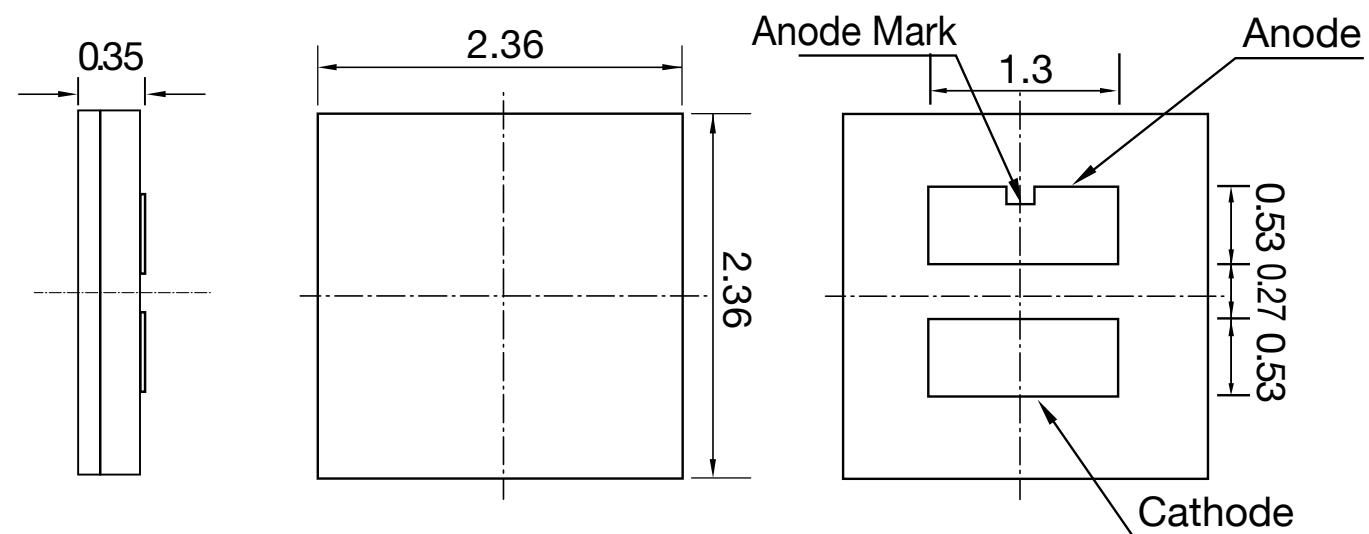
CRI	CCT (K)	Part Number	Luminous Flux (lm)		
			Bin	Min.	Max.
70+	2700	SCP7WT93KEL1W◇K36E	K1, M1, N1	130	160
	3000	SCP7VT93KEL1V◇M36E	M1, N1, P1	140	170
	3500	SCP7UT93KEL1U◇M36E	M1, N1, P1	140	170
	4000	SCP7TT93KEL1T◇N36E	N1, P1, Q1	150	180
	5000	SCP7RT93KEL1R◇N36E	N1, P1, Q1	150	180
	5700	SCP7QT93KEL1Q◇M36E	M1, N1, P1	140	170
	6500	SCP7PT93KEL1P◇M36E	M1, N1, P1	140	170
80+	2700	SCP8WT93KEL1W◇J36E	J1, K1, M1	120	150
	3000	SCP8VT93KEL1V◇J36E	J1, K1, M1	120	150
	3500	SCP8UT93KEL1U◇K36E	K1, M1, N1	130	160
	4000	SCP8UT93KEL1U◇K36E	K1, M1, N1	130	160
	5000	SCP8RT93KEL1R◇M36E	M1, N1, P1	140	170
	5700	SCP8QT93KEL1Q◇M36E	M1, N1, P1	140	170
	6500	SCP8PT93KEL1P◇K36E	K1, M1, N1	130	160
90+	2700	SCP9WT93KEL1W◇F36E	F1, G1, H1	90	120
	3000	SCP9VTF1HEL1V◇F36E	F1, G1, H1	90	120
	3500	SCP9UTF1HEL1U◇G36E	G1, H1, J1	100	130
	4000	SCP9TTF1HEL1T◇G36E	G1, H1, J1	100	130
	5000	SCP9RTF1HEL1R◇G36E	G1, H1, J1	100	130

\* "◇" can be "L" (MacAdam 5-step ellipse bin), "U" (MacAdam 3-step ellipse bin) of the color binning



## Compact form factor for design flexibility

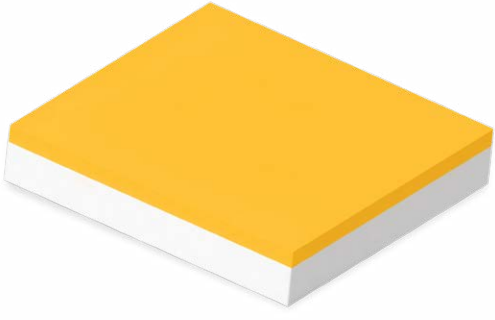
- 3W class high power CSP
- Higher performance by applying new structure
- Compact footprint: 2.36mm x 2.36mm



[350mA, 85°C]

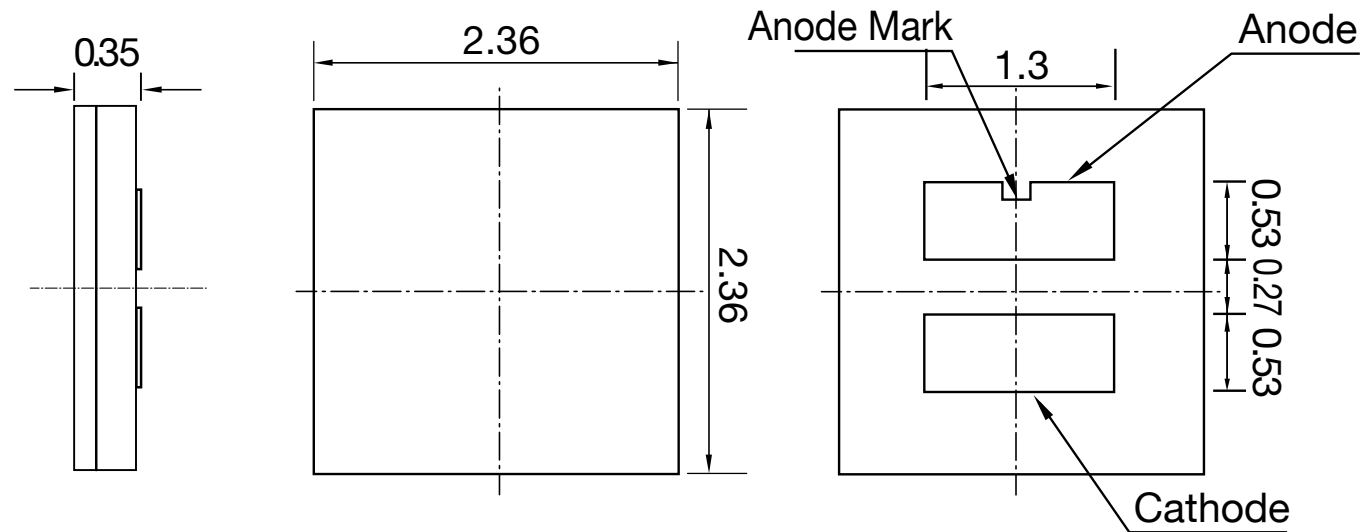
CRI	CCT (K)	Part Number	Luminous Flux (lm)		
			Bin	Min.	Max.
70+	2700	SCP7WTF1HEL1W◇M34E	M1, N1, P1	140	170
	3000	SCP7VTF1HEL1V◇N34E	N1, P1, Q1	150	180
	3500	SCP7UTF1HEL1U◇N34E	N1, P1, Q1	150	180
	4000	SCP7TTF1HEL1T◇P34E	P1, Q1, R1	160	190
	5000	SCP7RTF1HEL1R◇P34E	P1, Q1, R1	160	190
	5700	SCP7QTF1HEL1Q◇P34E	P1, Q1, R1	160	190
	6500	SCP7PTF1HEL1P◇N34E	N1, P1, Q1	150	180
80+	2200	SCP8YTF1HEL1Y◇H34E	H1, J1, K1	110	140
	2700	SCP8WTF1HEL1W◇K34E	K1, M1, N1	130	160
	3000	SCP8VTF1HEL1V◇K34E	K1, M1, N1	130	160
	3500	SCP8UTF1HEL1U◇M34E	M1, N1, P1	140	170
	4000	SCP8TTF1HEL1T◇M34E	M1, N1, P1	140	170
	5000	SCP8RTF1HEL1R◇N34E	N1, P1, Q1	150	180
	5700	SCP8QTF1HEL1Q◇N34E	N1, P1, Q1	150	180
	6500	SCP8PTF1HEL1P◇M34E	M1, N1, P1	140	170
90+	2700	SCP9WTF1HEL1W◇G34E	G1, H1, J1	100	130
	3000	SCP9VTF1HEL1V◇G34E	G1, H1, J1	100	130
	3500	SCP9UTF1HEL1U◇H34E	H1, J1, K1	110	140
	4000	SCP9TTF1HEL1T◇H34E	H1, J1, K1	110	140
	5000	SCP9RTF1HEL1R◇H34E	H1, J1, K1	110	140

\* “◇” can be “K” (MacAdam 5-step ellipse bin), “U” (MacAdam 3-step ellipse bin) of the color binning



## Compact form factor for design flexibility

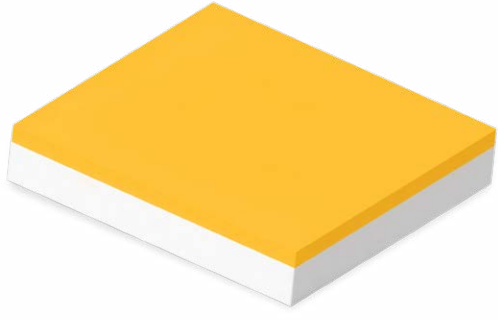
- 3W class high power CSP
- Higher performance by applying new structure
- Improved lifetime
- Compact footprint: 2.36mm x 2.36mm



[350mA, 85°C]

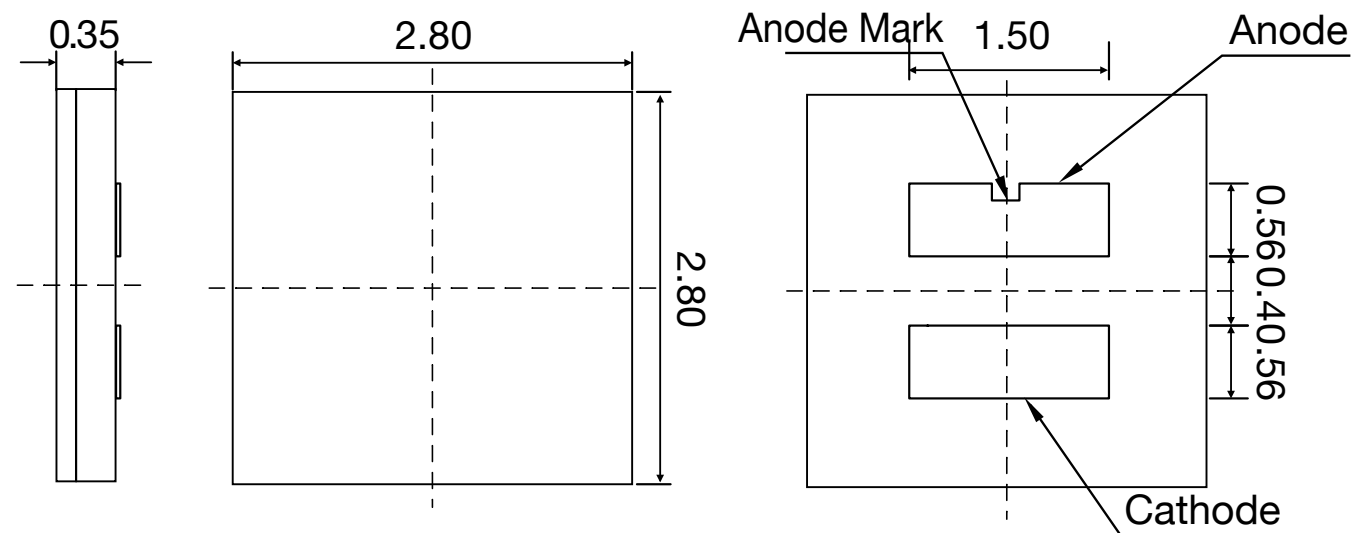
CRI	CCT (K)	Part Number	Luminous Flux (lm)		
			Bin	Min.	Max.
70+	2700	SCP7WTF1HELAW◇M34E	M1, N1, P1	140	170
	3000	SCP7VTF1HELAV◇N34E	N1, P1, Q1	150	180
	3500	SCP7UTF1HELAU◇N34E	N1, P1, Q1	150	180
	4000	SCP7TTF1HELAT◇P34E	P1, Q1, R1	160	190
	5000	SCP7RTF1HELAR◇P34E	P1, Q1, R1	160	190
	5700	SCP7QTF1HELAQ◇P34E	P1, Q1, R1	160	190
	6500	SCP7PTF1HELAP◇N34E	N1, P1, Q1	150	180
80+	2200	SCP8YTF1HELAY◇H34E	H1, J1, K1	110	140
	2700	SCP8WTF1HELAW◇K34E	K1, M1, N1	130	160
	3000	SCP8VTF1HELAV◇K34E	K1, M1, N1	130	160
	3500	SCP8UTF1HELAU◇M34E	M1, N1, P1	140	170
	4000	SCP8TTF1HELAT◇M34E	M1, N1, P1	140	170
	5000	SCP8RTF1HELAR◇N34E	N1, P1, Q1	150	180
	5700	SCP8QTF1HELAQ◇N34E	N1, P1, Q1	150	180
	6500	SCP8PTF1HELAP◇M34E	M1, N1, P1	140	170
90+	2700	SCP9WTF1HELAW◇G34E	G1, H1, J1	100	130
	3000	SCP9VTF1HELAV◇G34E	G1, H1, J1	100	130
	3500	SCP9UTF1HELAU◇H34E	H1, J1, K1	110	140
	4000	SCP9TTF1HELAT◇H34E	H1, J1, K1	110	140
	5000	SCP9RTF1HELAR◇H34E	H1, J1, K1	110	140

\* “◇” can be “K” (MacAdam 5-step ellipse bin), “U” (MacAdam 3-step ellipse bin) of the color binning



## Compact form factor for design flexibility

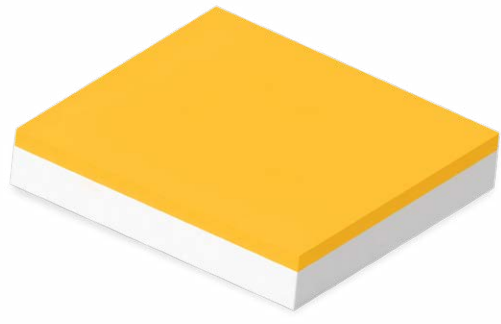
- 5W class super high power CSP
- Suitable for highbay lighting, stadium lighting
- Compact footprint: 2.8mm x 2.8mm



[700mA, 85°C]

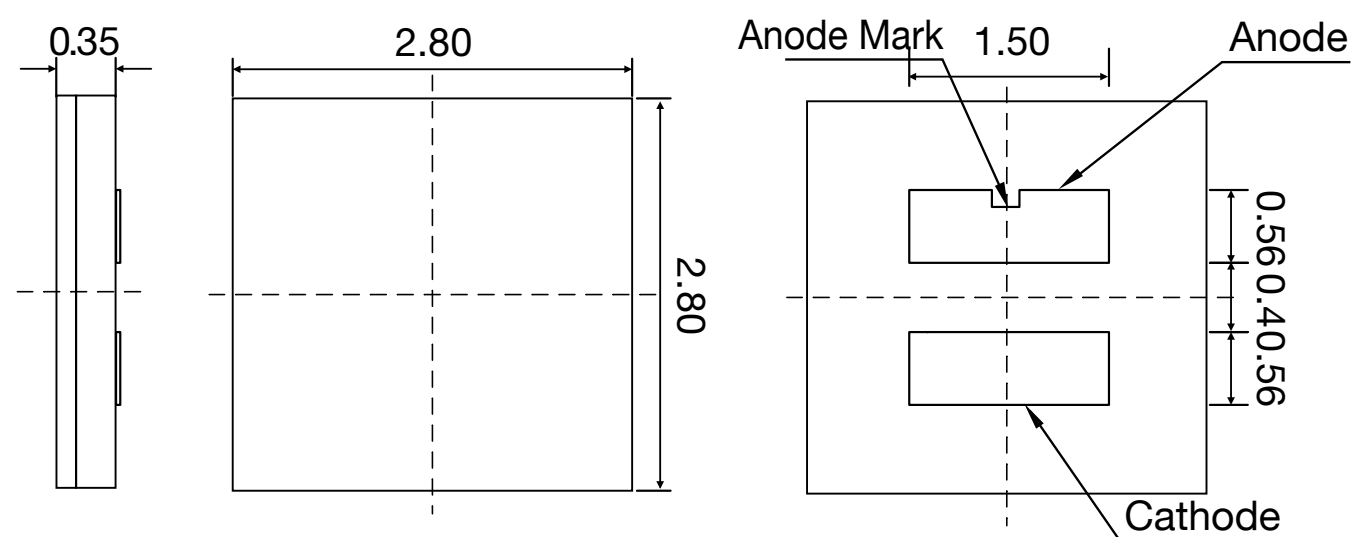
CRI	CCT (K)	Part Number	Luminous Flux (lm)		
			Bin	Min.	Max.
70+	2700	SCP7WTJ5HEL1W☆MF6E	MB, NB, PB	250	310
	3000	SCP7VTJ5HEL1V☆NF6E	NB, PB, QB	270	330
	3500	SCP7UTJ5HEL1U☆PF6E	PB, QB, RB	290	350
	4000	SCP7TTJ5HEL1T☆QF6E	QB, RB, SB	310	370
	5000	SCP7RTJ5HEL1R☆QF6E	QB, RB, SB	310	370
	5700	SCP7QTJ5HEL1Q☆QF6E	QB, RB, SB	310	370
	6500	SCP7PTJ5HEL1P☆PF6E	PB, QB, RB	290	350
80+	2700	SCP8WTJ5HEL1W☆MF6E	MB, NB, PB	250	310
	3000	SCP8VTJ5HEL1V☆MF6E	MB, NB, PB	250	310
	3500	SCP8UTJ5HEL1U☆NF6E	NB, PB, QB	270	330
	4000	SCP8TTJ5HEL1T☆NF6E	NB, PB, QB	270	330
	5000	SCP8RTJ5HEL1R☆PF6E	PB, QB, RB	290	350
	5700	SCP8QTJ5HEL1Q☆NF6E	NB, PB, QB	270	330
	6500	SCP8PTJ5HEL1P☆NF6E	NB, PB, QB	270	330
90+	2700	SCP9WTJ5HEL1W☆HF6E	HB, JB, KB	190	250
	3000	SCP9VTJ5HEL1V☆HF6E	HB, JB, KB	190	250
	3500	SCP9UTJ5HEL1U☆JF6E	JB, KB, MB	210	270
	4000	SCP9TTJ5HEL1T☆JF6E	JB, KB, MB	210	270

\* “☆” can be “L” (MacAdam 5-step ellipse bin), “U” (MacAdam 3-step ellipse bin) of the color binning



## Compact form factor for design flexibility

- 5W class super high power CSP
- Improved lifetime
- Suitable for highbay lighting, stadium lighting
- Compact footprint: 2.8mm x 2.8mm



[700mA, 85°C]

CRI	CCT (K)	Part Number	Luminous Flux (lm)		
			Bin	Min.	Max.
70+	2700	SCP7WTJ5HELAW☆MF6E	MB, NB, PB	250	310
	3000	SCP7VTJ5HELAV☆NF6E	NB, PB, QB	270	330
	3500	SCP7UTJ5HELAU☆PF6E	PB, QB, RB	290	350
	4000	SCP7TTJ5HELAT☆QF6E	QB, RB, SB	310	370
	5000	SCP7RTJ5HELAR☆QF6E	QB, RB, SB	310	370
	5700	SCP7QTJ5HELAQ☆QF6E	QB, RB, SB	310	370
	6500	SCP7PTJ5HELAP☆PF6E	PB, QB, RB	290	350
80+	2700	SCP8WTJ5HELAW☆MF6E	MB, NB, PB	250	310
	3000	SCP8VTJ5HELAV☆MF6E	MB, NB, PB	250	310
	3500	SCP8UTJ5HELAU☆NF6E	NB, PB, QB	270	330
	4000	SCP8TTJ5HELAT☆NF6E	NB, PB, QB	270	330
	5000	SCP8RTJ5HELAR☆PF6E	PB, QB, RB	290	350
	5700	SCP8QTJ5HELAQ☆NF6E	NB, PB, QB	270	330
	6500	SCP8PTJ5HELAP☆NF6E	NB, PB, QB	270	330
90+	2700	SCP9WTJ5HELAW☆HF6E	HB, JB, KB	190	250
	3000	SCP9VTJ5HELAV☆HF6E	HB, JB, KB	190	250
	3500	SCP9UTJ5HELAU☆JF6E	JB, KB, MB	210	270
	4000	SCP9TTJ5HELAT☆JF6E	JB, KB, MB	210	270

\* “☆” can be “L” (MacAdam 5-step ellipse bin), “U” (MacAdam 3-step ellipse bin) of the color binning