3535F Series

The Most Reliable Flip-chip Ceramic Package

LM80



3535F Series makes the standard of mid-power LED for indoor lighting applications with excellent reliability than conventional lateral LED package. Built on Lumens flip chip technology, it can be driven at a higher current density and offer longer life-span.

Features

- Maximum Driver Current : 1500mA
- Available in 3-step MacAdam Ellipse and ANSI color bins
- Wide Viewing angle of 130°
- Available in 80-CRI and 90-CRI
- Completed 6,000 hours of LM-80 testing

Applications

- Bulb
- Downlight
- Spot Light
- Flood Light
- High Bay Light
- Street Light

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Electro-Optical Characteristics

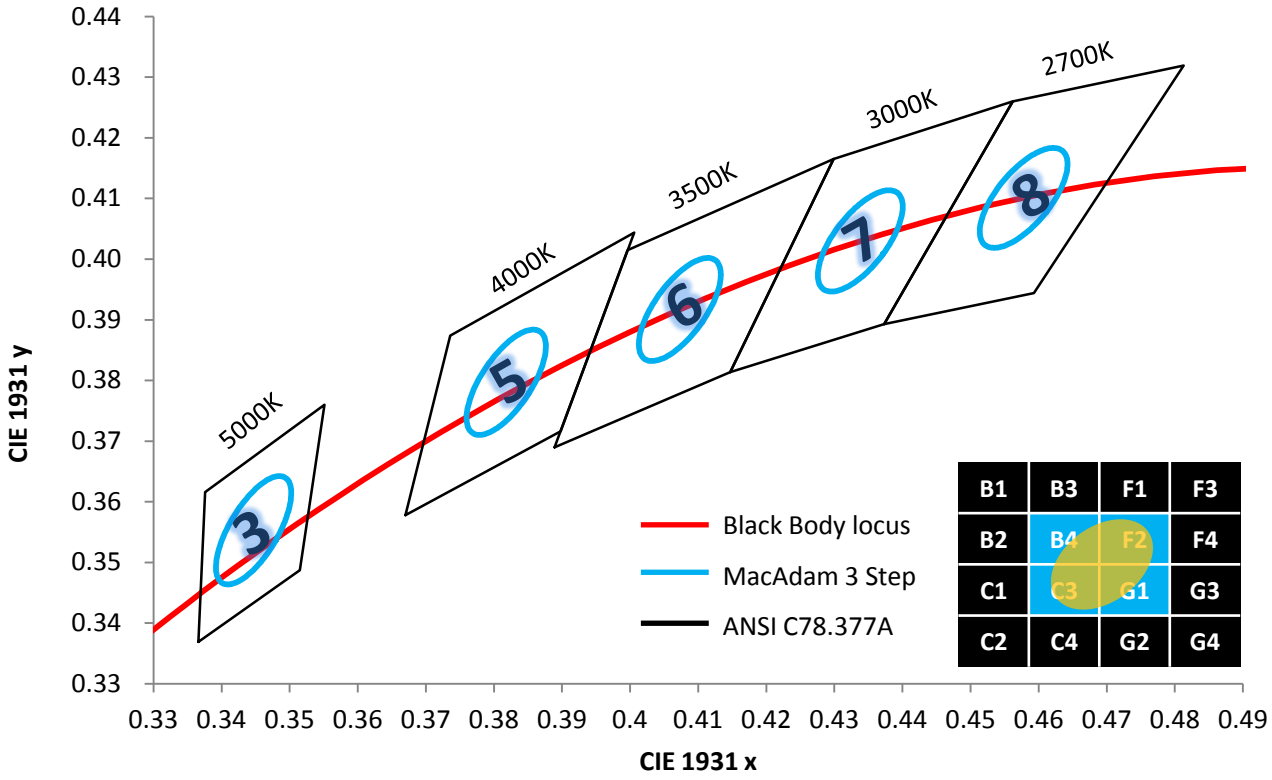
Ra70/80/90
(T_a=25℃)

	Model No	Watts [W]	Luminous Flux [lm]	Efficacy [lm/w]	CCT [K]	CRI [Ra]	Forward Voltage [V]	Forward Current [mA]	Max Forward Current [mA]
CRI 70	LH3535F1W740E00	1.0	165	163	4000	70+	2.89	350	1,500
	LH3535F1W750E00	1.0	180	178	5000	70+	2.89	350	1,500
	LH3535F1W757E00	1.0	178	178	5700	70+	2.89	350	1,500
CRI 80	LH3535F1W827E00	1.0	140	139	2700	80+	2.89	350	1,500
	LH3535F1W830E00	1.0	146	144	3000	80+	2.89	350	1,500
	LH3535F1W840E00	1.0	151	149	4000	80+	2.89	350	1,500
	LH3535F1W850E00	1.0	164	162	5000	80+	2.89	350	1,500
	LH3535F1W857E00	1.0	160	158	5700	80+	2.89	350	1,500
	LH3535F1W865E00	1.0	160	158	6500	80+	2.89	350	1,500
CRI 90	LH3535F1W927E00	1.0	121	120	2700	90+	2.89	350	1,500
	LH3535F1W930E00	1.0	126	125	3000	90+	2.89	350	1,500
	LH3535F1W940E00	1.0	133	132	4000	90+	2.89	350	1,500
	LH3535F1W950E00	1.0	146	144	5000	90+	2.89	350	1,500
	LH3535F1W957E00	1.0	142	141	5700	90+	2.89	350	1,500
	LH3535F1W965E00	1.0	142	141	6500	90+	2.89	350	1,500

Note:
1. *Typical Luminous Flux value / Ta=25℃*
2. *Accuracy : CRI (±3), lm (±10%), , Dimension (±2mm)*
3. *Specifications can be changed without advance notice.*
4. *Installation shall follow cautions and guidance that Lumens provides.*

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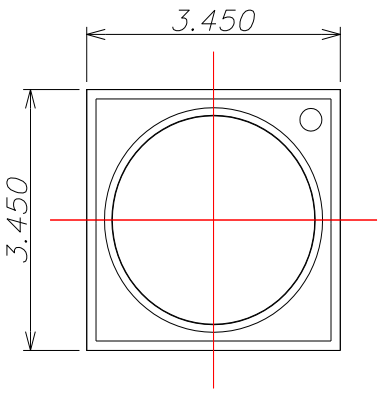
Chromaticity Binning



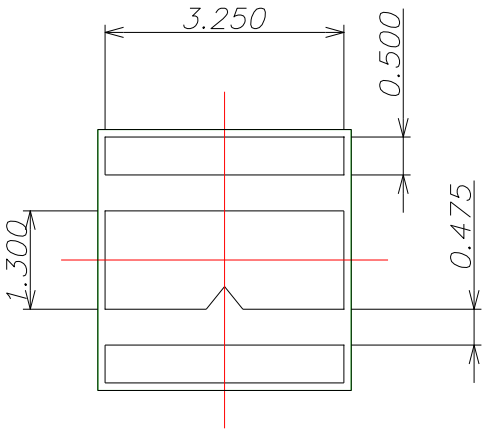
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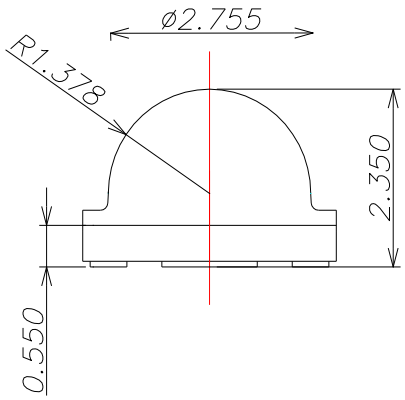
Mechanical Dimension

[Top View]



[Side View]





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