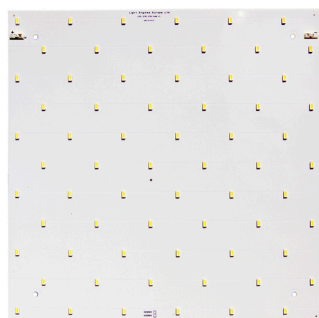


Application



Ceiling

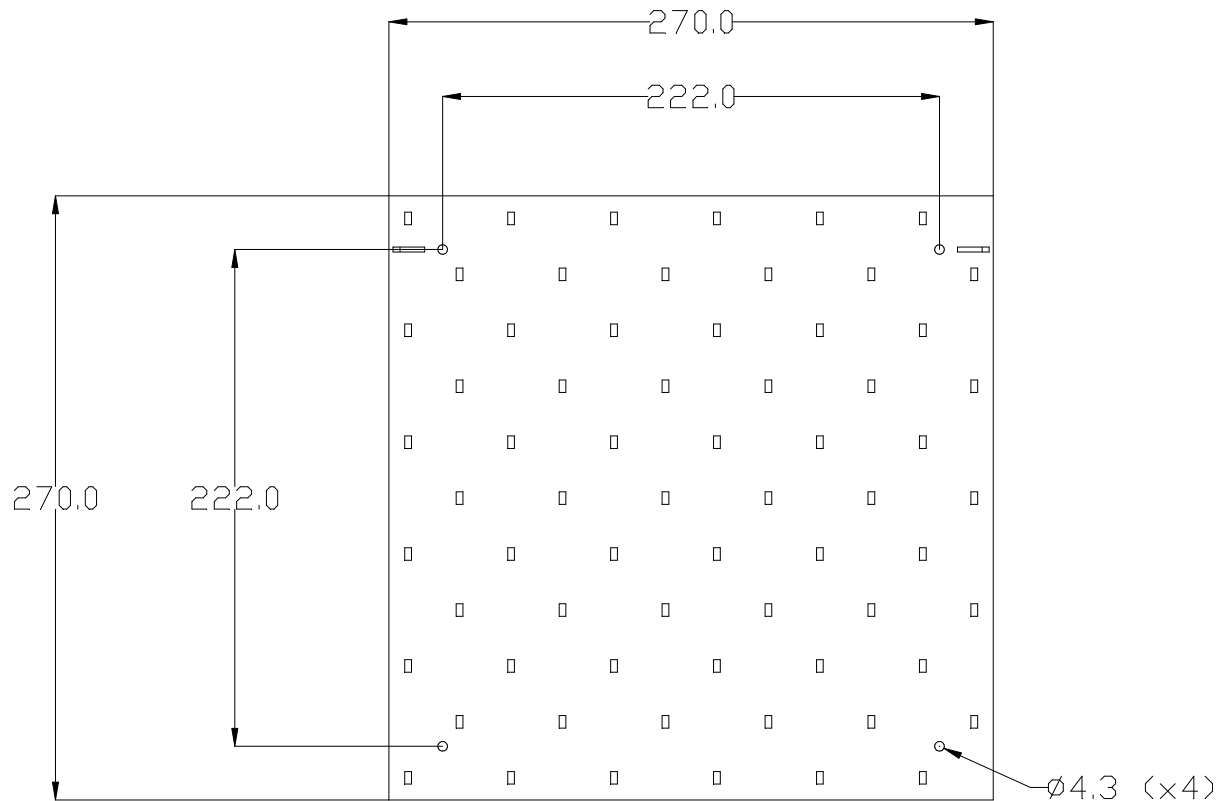
Key Features

LED Type	Samsung LM561B plus mid power and LM561C high efficiency	
Supply type	Constant Current	
Lumen package	Up to 3694lm	
Luminous efficiency	Up to 182lm/W	
Colour temperature	3000K, 4000K and 5700K as standard	Other CCTs on request
CRI	>80 (84 typical) as standard	>90 on request
Life expectancy	>100,000 Hours	
Guarantee	5 years	
Additional notes	Push-Fit terminals for simple and easy wiring	
	Dimming sensor and emergency compatible	
	Designed for industry standard LED drivers	



Dimensions

LEE-270-270-SAM



Unit height	6.1mm (PCB & Components)
Connection	2 X SINGLE pole push fit connectors (+/-)
Wire	18AWG-26AWG (0.75-0.14mm ²) solid or stranded wire
Fixing	Standard mounting points (locating screws not provided)
Unit weight	258g
LED count	66



Range Performance Data

LEE-270-270-SAM

Order Code	Product Reference	Drive Current (mA)	Typ. Forward Voltage @25 °C (V)	Typ. Power Consumption @ 25°C (W)	Typ. Luminous Flux @25 °C (lm)	Typ. Luminous Efficiency @25 °C (lm/W)	Typ. Forward Voltage @65 °C (V)	Typ. Power Consumption @ 65°C (W)	Typ. Luminous Flux @65 °C (lm)	Typ. Luminous Efficiency @65 °C (lm/W)
LE861	LEE-270-270-SAM-830	350	31.2	10.9	1770	162	30.6	10.7	1646	154
		500	32.1	16.1	2469	154	31.5	15.7	2296	146
		700	33.2	23.2	3355	144	32.5	22.8	3120	137
LE863	LEE-270-270-SAM-840	350	31.2	10.9	1883	172	30.6	10.7	1751	164
		500	32.1	16.1	2627	164	31.5	15.7	2443	155
		700	33.2	23.2	3569	154	32.5	22.8	3319	146
LE865	LEE-270-270-SAM-857	350	31.2	10.9	1873	172	30.6	10.7	1742	163
		500	32.1	16.1	2613	163	31.5	15.7	2430	155
		700	33.2	23.2	3551	153	32.5	22.8	3303	145

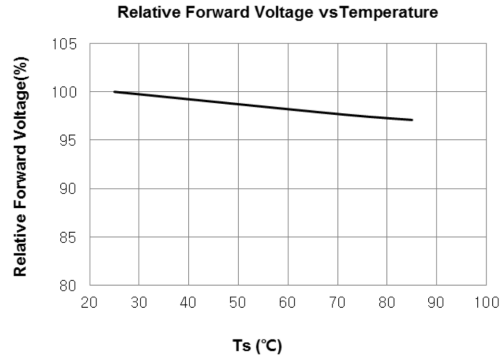
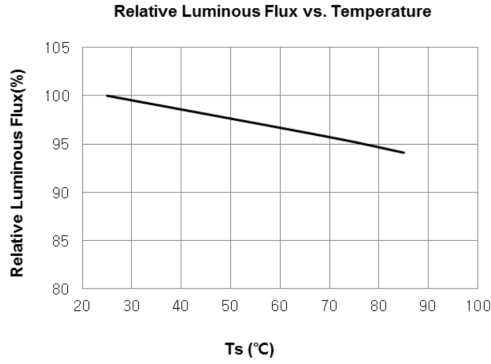
LEE-270-270-GENS6-SAM/ LED:LM561C

Order Code	Product Reference	Drive Current (mA)	Typ. Forward Voltage @25 °C (V)	Typ. Power Consumption @ 25°C (W)	Typ. Luminous Flux @25 °C (lm)	Typ. Luminous Efficiency @25 °C (lm/W)	Typ. Forward Voltage @65 °C (V)	Typ. Power Consumption @ 65°C (W)	Typ. Luminous Flux @65 °C (lm)	Typ. Luminous Efficiency @65 °C (lm/W)
LE875	LEE-270-270-GENS6-SAM-840	350	31.2	10.9	1770	162	30.6	10.7	1646	154
		500	32.1	16.1	2469	154	31.5	15.7	2296	146
		700	33.2	23.2	3355	144	32.5	22.8	3120	137

*All electrical and optical data subject to $\pm 10\%$ tolerance.



Temperature



Technical Data

Tc Rated	80°C
Rated current	700mA
Max DC forward current	1080mA
Max permissible peak current	1440mA (max. 10ms)
Rated power	61.9W
Max permissible output voltage	250V
ESD Classification	Class 3A
Risk Group (EN 62471:2008)	RG1

Lifetime Expectations

		LxBy					
		70		80		90	
	X	10	50	10	50	10	50
	Y	10	50	10	50	10	50
@ I _{Rated}	Tc=50°C	115,000	141,000	78,000	95,000	37,000	44,000
@ I _{Rated}	Tc=65°C	82,000	105,000	56,000	70,000	27,000	34,000
@ I _{Rated}	Tc=80°C	58,000	76,000	40,000	52,000	20,000	26,000

*Lifetime Expectations provided as guidance only.

