

## Legal and additional information

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Rev.2 Oct. 2016

**SAMSUNG**



## Samsung LED Module inFlux Linear

Superior light source  
for high flux luminaires  
covering up to 40,000 lm



**SAMSUNG**

# Superior performance for high flux luminaires in Industrial lighting



## Wide lumen flux coverage (up to 40,000lm)

Optimized for industrial lighting applications to replace T8/T5HO



Low bay



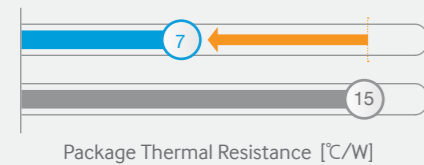
High bay

Lamp	3 lamps T8 32W	4 lamps T8 32W	2 lamps T5 54W	3 lamps T5 54W	4 lamps T5 54W	8 lamps T5 54W
Lamp Flux	7,800-8,400	10,400-11,200	8,900-10,000	13,350-15,000	17,800-20,000	35,600-40,000
inFlux Linear	L04 (2ea)	L06 (2ea)	L04 (2ea)	L06 (2ea)	L04 (4ea) L09 (2ea)	L04 (8ea) L09 (4ea)



## Easy thermal management

- Reduced thermal resistance using Samsung's mid-power LED LM301A



Flip chip based LM301A  
5630 Epi-up chip Package

- High performance without MCPCB

Model	Flux	T <sub>c</sub> measured
inFlux_L04	9080 lm, 140 lm/W	62°C (No MCPCB)
F-Series (F562A)	9020 lm, 137 lm/W	78°C (MCPCB)
F-Series (F564A)	8850 lm, 119 lm/W	60°C (MCPCB)

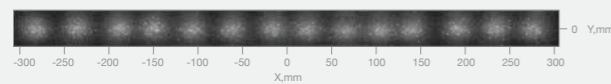
※ Measured at the same fixture



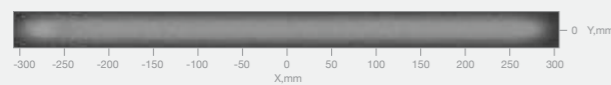
## Better uniformity & cost effective compared to high-power LEDs

- Better line uniformity

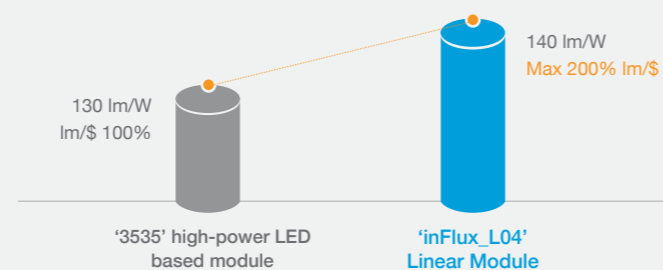
'3535' high-power LED based module



'inFlux\_L04' Linear Module



- Deliver higher lm/W & better lm/\$



## inFlux series



inFlux\_L04



inFlux\_L06



inFlux\_L09



inFlux\_S02



inFlux\_S03



inFlux\_S04

Type	Luminous Flux (lm)	Power Consumption (W)	Input Voltage (V)	IF (mA)	I <sub>max</sub> (mA)	Efficacy (lm/W)	CRI Min.	CCT (K)	Beam Angle (°)	Size (mm)	Temperature Range (°C)	Lifetime (hrs)	Certification	Model Name
inFlux_L04	4,190	32.4	23.5	1,380	1,380	129	80	3500	120	560x24x5.9	-20~+50	50,000	ENEC, CE, UL, cUL	SL-B8V3N80L1WW
	4,260					131								SL-B8U3N80L1WW
	4,540					140								SL-B8T3N80L1WW
	4,540					140								SL-B8R3N80L1WW
inFlux_L06	5,680	43.4	45.7	950	950	131	80	3500	120	560x24x5.9	-20~+50	50,000	ENEC, CE, UL, cUL	SL-B8V4N90L1WW
	5,775					133								SL-B8U4N90L1WW
	6,060					140								SL-B8T4N90L1WW
	6,060					140								SL-B8R4N90L1WW
inFlux_L09	8,390	64.7	46.9	1,380	1,380	130	80	3000	120	560x40x5.9	-20~+50	50,000	ENEC, CE, UL, cUL	SL-B8V7N90L1WW
	8,530					132								SL-B8U7N90L1WW
	9,100					141								SL-B8T7N90L1WW
	9,100					141								SL-B8R7N90L1WW
inFlux_S02	2,095	16.1	11.7	1,380	1,380	130	80	3000	120	280x24x5.9	-20~+50	50,000	ENEC, CE, UL, cUL	SL-B8V1N40L1WW
	2,130					132								SL-B8U1N40L1WW
	2,270					141								SL-B8T1N40L1WW
	2,270					141								SL-B8R1N40L1WW
inFlux_S03	2,840	21.7	22.9	950	950	131	80	3500	120	280x24x5.9	-20~+50	50,000	ENEC, CE, UL, cUL	SL-B8V2N70L1WW
	2,885					133								SL-B8U2N70L1WW
	3,030					140								SL-B8T2N70L1WW
	3,030					140								SL-B8R2N70L1WW
inFlux_S04	4,195	32.4	23.5	1,380	1,380	129	80	3000	120	280x40x5.9	-20~+50	50,000	ENEC, CE, UL, cUL	SL-B8V4N80L1WW
	4,265					132								SL-B8U4N80L1WW
	4,550					140								SL-B8T4N80L1WW
	4,550					140								SL-B8R4N80L1WW

## LED Driver

Power Consumption (W)	Size (mm)	Input Voltage (V)	Output Voltage (V)	Output Current/ch (mA)	Efficiency (%)	THD (%)	Dimming	Certification	Power factor	Remark	Model Name
75	359x30x26.5	120-277	22-52	1,000-2,100	83	<20	0-10V	UL, cUL	>0.9	Output current adjustable by Rset	SI-EPF007040WW
50	300x30x21		20-50	500-1,400							SI-EPF006660WW
75	360x31x26	100-277	27-54	<1,400	>87		Programmable				SI-CA1427501US
100	420x31x26		24-48	<2,000							SI-CA2029601US