THE DATASHEET OF

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About Samsung Electronics Co., Ltd.

Samsung Electronics Co. Ltd inspires the world and shapes the future with transformative ideas and technologies. The company is redefining the worlds of TVs, smartphones, wearable devices, tablets, digital appliances, network systems, and semiconductor and LED solutions. For the latest news, please visit the Samsung Newsroom at http://news.samsung.com.

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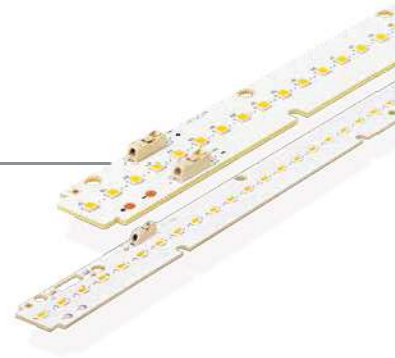
www.samsungled.com

Rev. 1, May 2017

SAMSUNG

Samsung LED

Linear Platform Module



- Indoor Linear Light: H-Series Gen3, S-Series, M-Series Gen2, V-Series
- Industrial Light: inFlux Series, F-Series, R-Series

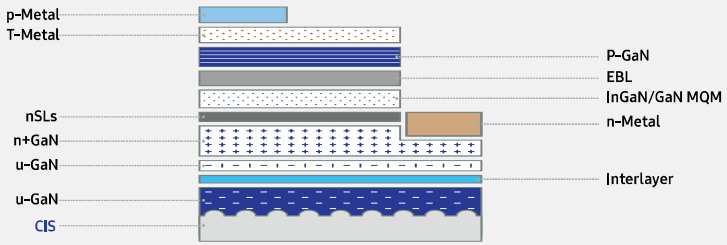
May 2017

SAMSUNG

Technology Leadership

High-efficieny epitaxial technology

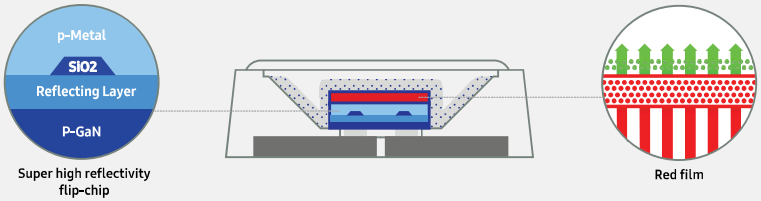
Epitaxial growth technology such as carrier injection, internal radiative efficiency and light extraction



CIS: Corrugated Interface Substrate

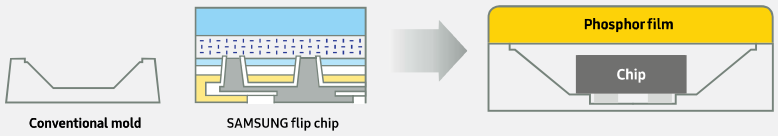
High-efficieny phosphor technology

Reducing interference of red and green phosphors



High-efficieny process technology

Achieving high extraction efficiency by embedded mold, phosphor film and color uniformity



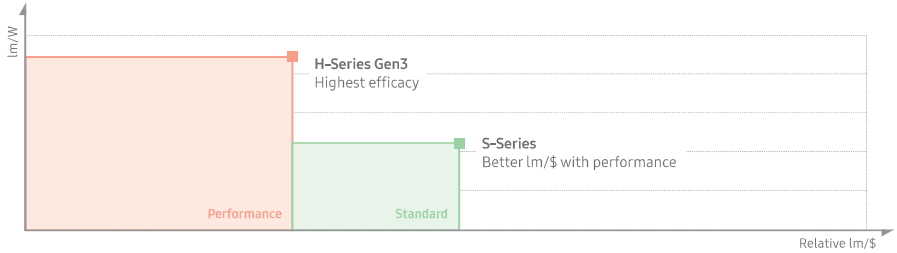
Indoor Linear Light

With its modular construction, easy to use connections and best color consistency, Samsung's linear module line-ups are well-suited for various designs of luminaires.

High luminous efficacy | Uniform light distribution | Easy to design

A wide range of lighting solutions

Various lighting solutions from cost effective to superior performance for tube looking applications



Greater design flexibility H-Series Gen3, S-Series

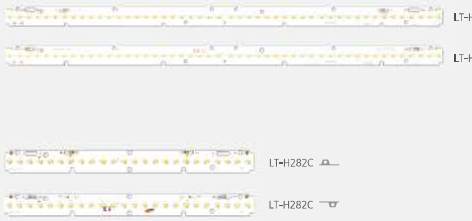
- Same foot-print across the line-ups

  Easy to replace modules across the line-ups for the desired lumen output of the luminaire

- Two Wiring options for various usage

  Simple assembly by 2 wiring options, Front and Rear wiring connections

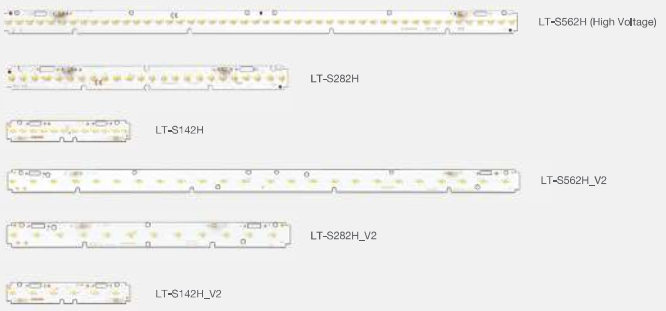
H-Series Gen3



Product	Luminous Flux (lm)	Power Consumption (W)	Input Voltage (V)	IF (mA)	Imax (mA)	Efficacy (lm/W)	CRI	CCT (K)	Beam Angle (°)	Size (mm)	Temperature Range (°C)	Life time (hrs)	Certification	Part Number
LT-H562C	1935	10.8	45.0	240	600	179	80+	3000	115	559.7×23.8×5.2 / 559.7×23.8×7.4	-20~+50	50000	CE, ENEC	SI-B8V11156HEU / SI-B8V11256HEU
	2020					187		4000						SI-B8T11156HEU / SI-B8T11256HEU
	2020					187		6500						SI-B8P11156HEU / SI-B8P11256HEU
LT-H282C	970	5.4	22.5	240	600	180	80+	3000	115	279.7×23.8×5.2 / 279.7×23.8×7.4	-20~+50	50000	CE, ENEC	SI-B8V05128HEU / SI-B8V05228HEU
	1010					187		4000						SI-B8T05128HEU / SI-B8T05228HEU
	1010					187		6500						SI-B8P05128HEU / SI-B8P05228HEU

* Front wiring connector, Rear wiring connector

S-Series



Product	Luminous Flux (lm)	Power Consumption (W)	Input Voltage (V)	IF (mA)	Imax (mA)	Efficacy (lm/W)	CRI	CCT (K)	Beam Angle (°)	Size (mm)	Temperature Range (°C)	Life time (hrs)	Certification	Part Number
LT-S562H	2155	13.2	46.9	280	540	163	80+	3000	115	559.7×23.8×5.2 / 559.7×23.8×7.4	-20~+50	50000	CE, ENEC	SI-B8V13156SEU / SI-B8V13256SEU
	2250					170		4000						SI-B8T13156SEU / SI-B8T13256SEU
	2250					170		6500						SI-B8P13156SEU / SI-B8P13256SEU
LT-S282H	1070	6.6	23.4	280	540	163	80+	3000	115	279.7×23.8×5.2 / 279.7×23.8×7.4	-20~+50	50000	CE, ENEC	SI-B8V07128VEU / SI-B8V07228VEU
	1120					170		4000						SI-B8T07128VEU / SI-B8T07228VEU
	1120					170		6500						SI-B8P07128VEU / SI-B8P07228VEU
LT-S142H	535	3.3	11.7	280	540	163	80+	3000	115	139.8×23.8×5.2 / 139.8×23.8×7.4	-20~+50	50000	CE, ENEC	SI-B8V03114SEU / SI-B8V03214SEU
	560					170		4000						SI-B8T03114SEU / SI-B8T03214SEU
	560					170		6500						SI-B8P03114SEU / SI-B8P03214SEU
LT-S562H_ V2	1070	6.6	23.4	280	540	163	80+	3000	115	559.7×23.8×5.2	-20~+50	50000	CE, ENEC	SI-B8V07156SEU
	1120					170		4000						SI-B8T07156SEU
	1120					170		6500						SI-B8P07156SEU
LT-S282H_ V2	530	3.3	11.7	280	540	161	80+	3000	115	279.7×23.8×5.2	-20~+50	50000	CE, ENEC	SI-B8V03128SEU
	560					170		4000						SI-B8T03128SEU
	560					170		6500						SI-B8P03128SEU
LT-S142H_ V2	270	1.6	5.9	280	540	165	80+	3000	115	139.8×23.8×5.2	-20~+50	50000	CE, ENEC	SI-B8V02114SEU
	280					171		4000						SI-B8T02114SEU
	280					171		6500						SI-B8P02114SEU

* Front wiring connector, Rear wiring connector

M-Series Gen2


LT-M562A_G2


LT-M562B_G2


LT-M562C_G2

Product	Luminous Flux (lm)	Power Consumption (W)	Input Voltage (V)	IF (mA)	Imax (mA)	Efficacy (lm/W)	CRI	CCT (K)	Beam Angle (°)	Size (mm)	Temperature Range (°C)	Life time (hrs)	Certification	Part Number
LT-M562A Gen2	1580	11.2	24.8	450	540	141	80+	3000	115	560x18x5.8	-20~+50	50,000	CE UL, cUL	SI-B8V113560WW
	1605					144		3500						SI-B8U113560WW
	1650					148		4000						SI-B8T113560WW
	1650					148		5000						SI-B8R113560WW
LT-M562B Gen2	2105	14.9	24.8	600	720	141	80+	3000	115	560x18x5.8	-20~+50	50,000	CE UL, cUL	SI-B8V152560WW
	2140					144		3500						SI-B8U152560WW
	2200					148		4000						SI-B8T152560WW
	2200					148		5000						SI-B8R152560WW
LT-M562C Gen2	2535	16.8	24.0	700	1080	151	80+	3000	115	560x18x5.8	-20~+50	50,000	CE UL, cUL	SI-B8V172560WW
	2575					153		3500						SI-B8U172560WW
	2655					158		4000						SI-B8T172560WW
	2655					158		5000						SI-B8R172560WW


LT-M282A_G2


LT-M282B_G2


LT-M282C_G2

Product	Luminous Flux (lm)	Power Consumption (W)	Input Voltage (V)	IF (mA)	Imax (mA)	Efficacy (lm/W)	CRI	CCT (K)	Beam Angle (°)	Size (mm)	Temperature Range (°C)	Life time (hrs)	Certification	Part Number
LT-M282A Gen2	790	5.6	12.4	450	540	142	80+	3000	115	275x18x5.8	-20~+50	50000	CE UL, cUL	SI-B8V052280WW
	800					143		3500						SI-B8U052280WW
	825					148		4000						SI-B8T052280WW
	825					148		5000						SI-B8R052280WW
LT-M282B Gen2	1050	7.4	24.8	300	360	142	80+	3000	115	275x18x5.8	-20~+50	50000	CE UL, cUL	SI-B8V072280WW
	1070					144		3500						SI-B8U072280WW
	1100					148		4000						SI-B8T072280WW
	1100					148		5000						SI-B8R072280WW
LT-M282C Gen2	1580	11.2	24.8	450	540	142	80+	3000	115	275x18x5.8	-20~+50	50000	CE UL, cUL	SI-B8V114280WW
	1605					144		3500						SI-B8U114280WW
	1650					148		4000						SI-B8T114280WW
	1650					148		5000						SI-B8R114280WW

V-Series


LT-V562E


LT-V282E

Product	Luminous Flux (lm)	Power Consumption (W)	Input Voltage (V)	IF (mA)	Imax (mA)	Efficacy (lm/W)	CRI	CCT (K)	Beam Angle (°)	Size (mm)	Temperature Range (°C)	Life time (hrs)	Certification	Part Number
LT-V562E	2140	14.3	47.6	300	480	150	80+	3000	115	559.7×23.8×5.8	-20~+50	50000	CE, ENEC	SI-B8V14156VWW
	2240					157		4000						SI-B8T14156VWW
LT-V282E	1070	7.1	23.8			150		3000						SI-B8V07128VWW
	1120					157		4000						SI-B8T07128VWW

Industrial Light

Superior performance for high flux luminaires in industrial lighting

High reliability | High lumen density | Lower maintenance cost

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

Optimized for industrial lighting applications to replace T8/T5HO

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 inFlux series

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

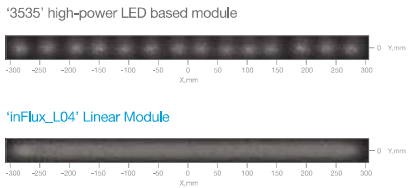
- High performance without MCPCB

Model	Flux	T_C measured
inFlux_L04	9080lm, 140lm/W	62℃ (No MCPCB)
F-Series (F562A)	9020lm, 137lm/W	78℃ (MCPCB)
F-Series (F564A)	8850lm, 119lm/W	60℃ (MCPCB)

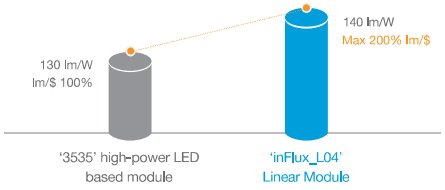
※Measured at the same fixture

Better uniformity & cost effective compared to high-power LEDs inFlux series

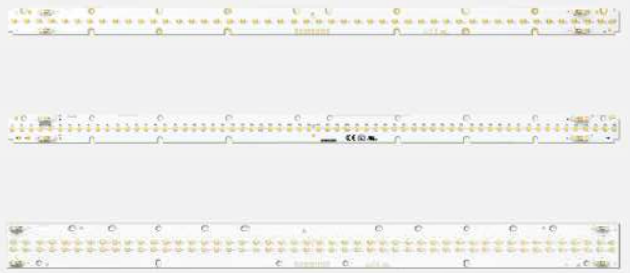
- Better line uniformity



- Deliver higher lm/W & better lm/$



inFlux



Product	Luminous Flux (lm)	Power Consumption (W)	Input Voltage (V)	IF (mA)	Imax (mA)	Efficacy (lm/W)	CRI	CCT (K)	Beam Angle (°)	Size (mm)	Temperature Range (℃)	Life time (hrs)	Certification	Part Number
inFlux_L04	4190	32.4	23.5	1380	1380	129	80+	3000	120	560x24x5.9	-20~+50	50000	CE, ENEC UL, cUL	SL-B8V3N80L1WW
	4260					131		3500						SL-B8U3N80L1WW
	4540					140		4000						SL-B8T3N80L1WW
	4,540					140		5000						SL-B8R3N80L1WW
inFlux_L06	5680	43.4	45.7	950	950	131	80+	3000	120	560x24x5.9	-20~+50	50000	CE, ENEC UL, cUL	SL-B8V4N90L1WW
	5775					133		3500						SL-B8U4N90L1WW
	6060					140		4000						SL-B8T4N90L1WW
	6060					140		5000						SL-B8R4N90L1WW
inFlux_L09	8390	64.7	46.9	1380	1380	130	80+	3000	120	560x40x5.9	-20~+50	50000	CE, ENEC UL, cUL	SL-B8V7N90L1WW
	8530					132		3500						SL-B8U7N90L1WW
	9100					141		4000						SL-B8T7N90L1WW
	9100					141		5000						SL-B8R7N90L1WW

inFlux


inFlux_S02


inFlux_S03


inFlux_S04

Product	Luminous Flux (lm)	Power Consumption (W)	Input Voltage (V)	IF (mA)	Imax (mA)	Efficacy (lm/W)	CRI	CCT (K)	Beam Angle (°)	Size (mm)	Temperature Range (°C)	Life time (hrs)	Certification	Part Number
inFlux_S02	2095	16.1	11.7	1380	1380	130	80+	3000	120	280x24x5.9	-20~+50	50000	CE, ENEC UL, cUL	SL-B8V1N40L1WW
	2130					132		3500						SL-B8U1N40L1WW
	2270					141		4000						SL-B8T1N40L1WW
	2270					141		5000						SL-B8R1N40L1WW
inFlux_S03	2840	21.7	22.9	950	950	131	80+	3000	120	280x24x5.9	-20~+50	50000	CE, ENEC UL, cUL	SL-B8V2N70L1WW
	2885					133		3500						SL-B8U2N70L1WW
	3030					140		4000						SL-B8T2N70L1WW
	3030					140		5000						SL-B8R2N70L1WW
inFlux_S04	4195	32.4	23.5	1380	1380	129	80+	3000	120	280x40x5.9	-20~+50	50000	CE, ENEC UL, cUL	SL-B8V4N80L1WW
	4265					132		3500						SL-B8U4N80L1WW
	4550					140		4000						SL-B8T4N80L1WW
	4550					140		5000						SL-B8R4N80L1WW

F-Series Gen2


LT-F562A_G2

Product	Luminous Flux (lm)	Power Consumption (W)	Input Voltage (V)	IF (mA)	Imax (mA)	Efficacy (lm/W)	CRI	CCT (K)	Beam Angle (°)	Size (mm)	Temperature Range (°C)	Life time (hrs)	Certification	Part Number
LT-F562A Gen2	4605	33.5	24.8	1350	1620	138	80+	3000	115	560x18x5.2	-20~+50	50000	CE UL, cUL	SI-B8V342560WW
	4680					140		3500						SI-B8U342560WW
	4820					144		4000						SI-B8T342560WW
	4820					144		5000						SI-B8R342560WW

R-Series


LT-R286A


LT-R286C

Product	Luminous Flux (lm)	Power Consumption (W)	Input Voltage (V)	IF (mA)	Imax (mA)	Efficacy (lm/W)	CRI	CCT (K)	Beam Angle (°)	Size (mm)	Temperature Range (°C)	Life time (hrs)	Certification	Part Number
LT-R286A	1520	9.4	32.3	290	540	162	80+	3000	115	280×55×5.8 / 280×55×7.4	-20~+50	50000	CE, ENEC UL, cUL	SI-B8V09A280WW / SI-B8V09B280WW
	1590					169		4000						SI-B8T09A280WW / SI-B8T09B280WW
	1635					174		5000						SI-B8R09A280WW / SI-B8R09B280WW
	1590					169		6500						SI-B8P09A280WW / SI-B8P09B280WW
LT-R286C	2810	20.7	32	648	1050	136	80+	3000	115	280×55×5.8 / 280×55×7.4	-20~+50	50000	CE	SI-B8V211280WW / SI-B8V212280WW
	3000					145		4000						SI-B8T211280WW / SI-B8T212280WW
	3000					145		5000						SI-B8R211280WW / SI-B8R212280WW

* Front wiring connector, Rear wiring connector

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