



**THE DATASHEET OF
SL-B8U4N90L1WW**



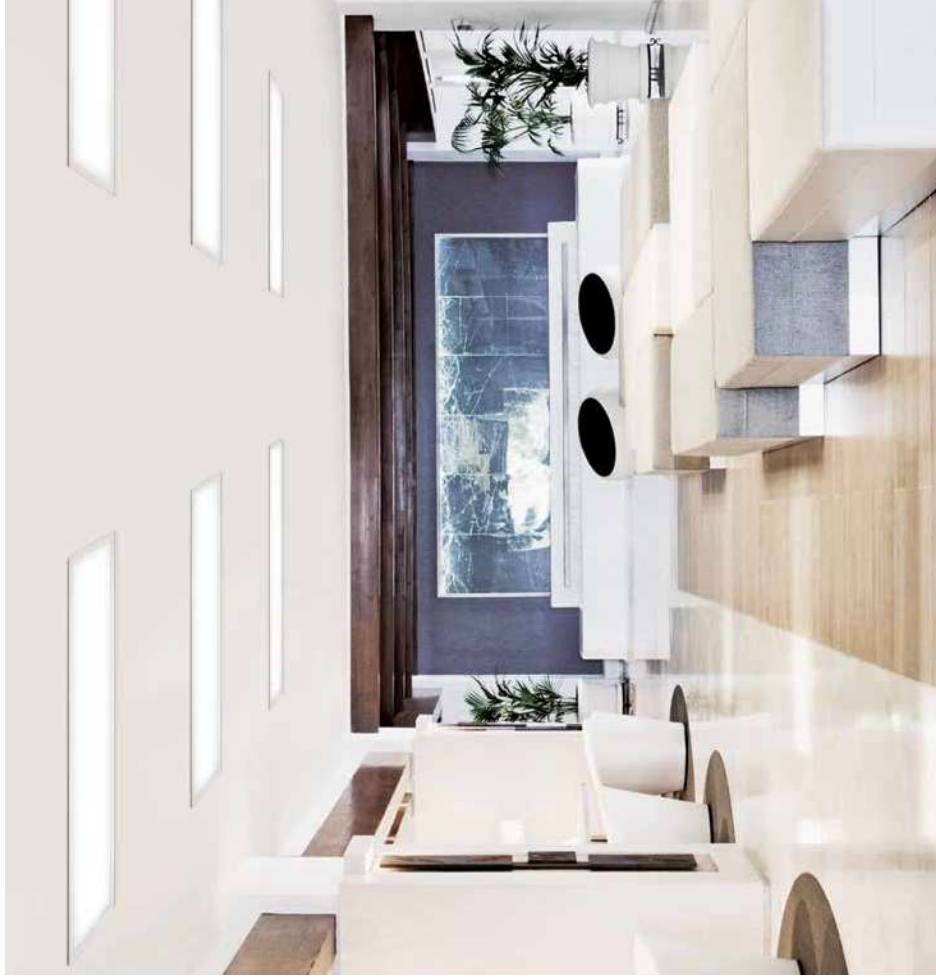
About Samsung Electronics Co., Ltd.
Samsung Electronics Co., Ltd. inspires the world and shapes the future with transformative ideas and technologies. The company is redefining the worlds of TVs, smartphones, wearable devices, tablets, digital appliances, network systems, and semiconductor and LED solutions.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

Copyright © 2017 Samsung Electronics Co., Ltd. All rights reserved.
Samsung Electronics reserves the right to modify, at its sole discretion, the design, packaging, specifications, and features shown herein without notice at any time.

Samsung Electronics Co., Ltd.
Samsung-ro 1, Giheung-gu, Yongin-si,
Gyeonggi-do, 17113 Korea
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



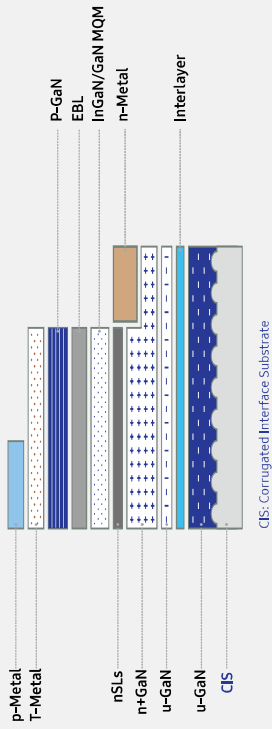
May 2017

SAMSUNG

Technology Leadership

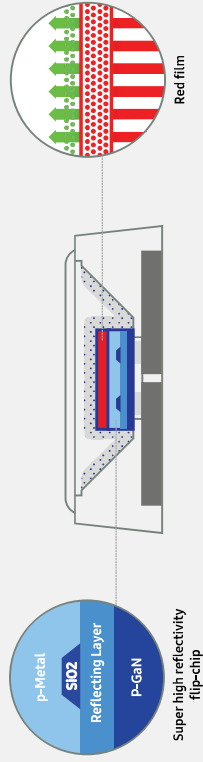
High-efficiency epitaxial technology

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



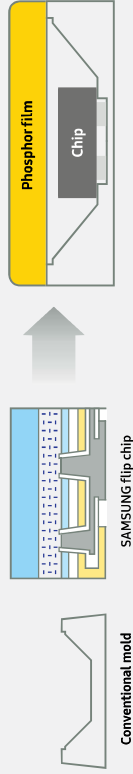
High-efficiency phosphor technology

Reducing interference of red and green phosphors



High-efficiency 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.

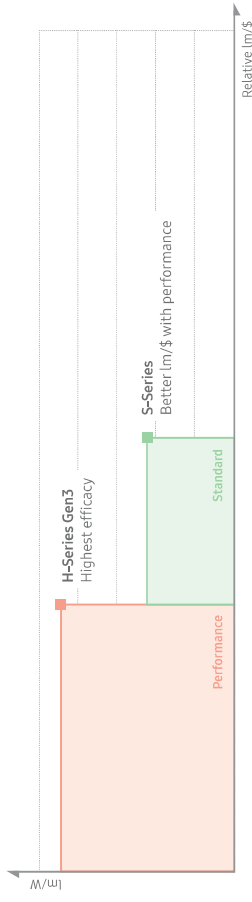
High luminous efficacy

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

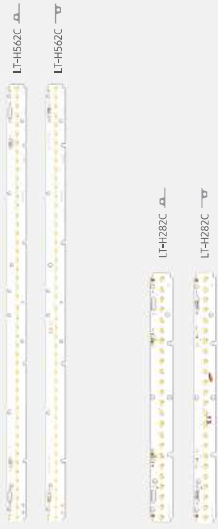
- Same foot-print across the line-ups
Easy to replace modules across the line-ups for the desired lumen output of the luminaire



- 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)	Max Efficiency (lm/W)	CRI (lm/W)	CCT (K)	Beam Angle (°)	Size (mm)	Temperature Range (°C)	Lifetime (hrs)	Certification	Part Number
LT-H562C	1935	10.8	45.0	240	60	187	80+	4000	115	559.7x23.8x5.2	-20~+50	CE, ENEC	SH-B8V1156HEU SH-B8V1256HEU
LT-H282C	2020	5.4	22.5	240	60	187	80+	4000	115	279.7x23.8x7.4	-20~+50	CE, ENEC	SH-B8T1156HEU SH-B8T1256HEU
LT-H282C	1010	5.4	22.5	240	60	187	80+	4000	115	279.7x23.8x7.4	-20~+50	CE, ENEC	SH-B8P1156HEU SH-B8P1256HEU
LT-H282C	970	10.8	45.0	240	60	187	80+	4000	115	559.7x23.8x5.2	-20~+50	CE, ENEC	SH-B8V05128HEU SH-B8V05228HEU
LT-H282C	1010	5.4	22.5	240	60	187	80+	4000	115	279.7x23.8x7.4	-20~+50	CE, ENEC	SH-B8T05128HEU SH-B8T05228HEU
LT-H282C	1010	5.4	22.5	240	60	187	80+	4000	115	279.7x23.8x7.4	-20~+50	CE, ENEC	SH-B8P05128HEU SH-B8P05228HEU

* Δ Front wiring connector, ∇ Rear wiring connector

S-Series



Product	Luminous Flux (lm)	Power Consumption (W)	Input Voltage (V)	IF (mA)	Max Efficiency (lm/W)	CRI (lm/W)	CCT (K)	Beam Angle (°)	Size (mm)	Temperature Range (°C)	Lifetime (hrs)	Certification	Part Number
LT-S562H	2155	13.2	46.9	280	540	170	80+	4000	115	559.7x23.8x5.2	-20~+50	50000	CE, ENEC
LT-S282H	1120	6.6	23.4	280	540	170	80+	4000	115	279.7x23.8x7.4	-20~+50	50000	CE, ENEC
LT-S142H	560	3.3	11.7	280	540	170	80+	4000	115	139.8x23.8x5.2	-20~+50	50000	CE, ENEC
LT-S562H_V2	1120	6.6	23.4	280	540	170	80+	4000	115	279.7x23.8x5.2	-20~+50	50000	CE, ENEC
LT-S142H_V2	560	3.3	11.7	280	540	170	80+	4000	115	139.8x23.8x5.2	-20~+50	50000	CE, ENEC
LT-S282H_V2	270	1.6	5.9	280	540	171	80+	4000	115	139.8x23.8x5.2	-20~+50	50000	CE, ENEC
LT-S282H_V2	280	1.6	5.9	280	540	171	80+	4000	115	139.8x23.8x5.2	-20~+50	50000	CE, ENEC
LT-S282H_V2	280	1.6	5.9	280	540	171	80+	4000	115	139.8x23.8x5.2	-20~+50	50000	CE, ENEC

* Δ Front wiring connector, ∇ Rear wiring connector

M-Series Gen2



Product	Luminous Flux (lm)	Power Consumption (W)	Input Voltage (V)	IF (mA)	Imax (mA)	Efficiency (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	144	80+	3500	115	560x18x5.8	-20~+50	50,000	CE, UL, cUL	SI-B8V13560WW
	1605													SI-B8U13560WW
	1650													SI-B8T13560WW
	1650													SI-B8R13560WW
LT-M562B_Gen2	2105	14.9	24.8	600	720	144	80+	3500	115	560x18x5.8	-20~+50	50,000	CE, UL, cUL	SI-B8V152560WW
	2140													SI-B8U152560WW
	2200													SI-B8T152560WW
	2200													SI-B8R152560WW
LT-M562C_Gen2	2535	16.8	24.0	700	1080	153	80+	3500	115	560x18x5.8	-20~+50	50,000	CE, UL, cUL	SI-B8V172560WW
	2575													SI-B8U172560WW
	2655													SI-B8T172560WW
	2655													SI-B8R172560WW



Product	Luminous Flux (lm)	Power Consumption (W)	Input Voltage (V)	IF (mA)	Imax (mA)	Efficiency (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	50,000	CE, UL, cUL	SI-B8V05280WW
	800													SI-B8U05280WW
	825													SI-B8T05280WW
	825													SI-B8R05280WW
LT-M282B_Gen2	1050	7.4	24.8	300	360	142	80+	3000	115	275x18x5.8	-20~+50	50,000	CE, UL, cUL	SI-B8V07280WW
	1070													SI-B8U07280WW
	1100													SI-B8T07280WW
	1100													SI-B8R07280WW
LT-M282C_Gen2	1580	11.2	24.8	450	540	142	80+	3000	115	275x18x5.8	-20~+50	50,000	CE, UL, cUL	SI-B8V14280WW
	1605													SI-B8U14280WW
	1650													SI-B8T14280WW
	1650													SI-B8R14280WW

V-Series



Product	Luminous Flux (lm)	Power Consumption (W)	Input Voltage (V)	IF (mA)	Imax (mA)	Efficiency (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	5597x23.8x5.8	-20~+50	50,000	CE, ENEC	SI-B8V4156VWW
	2240													SI-B8T4156VWW
	1070													SI-B8U4156VWW
	1120													SI-B8R4156VWW
LT-V282E	1070	7.1	23.8	300	480	150	80+	3000	115	5597x23.8x5.8	-20~+50	50,000	CE, ENEC	SI-B8V0728VWW
	1120													SI-B8T0728VWW
	1120													SI-B8U0728VWW
	1120													SI-B8R0728VWW

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)	L08 (2ea)	L08 (4ea)

Easy thermal management inFlux series

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



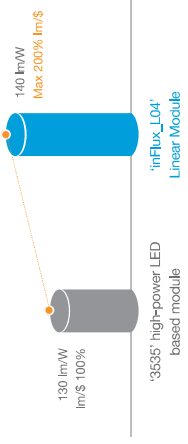
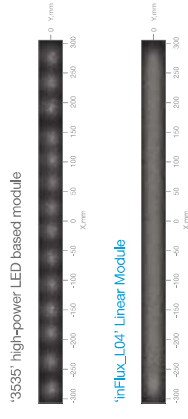
- High performance without MCPCB

Model	Flux	Tc measured
inFlux_L04	908lm, 140lm/W	62°C (No MCPCB)
F-Series (F65A)	902lm, 137lm/W	78°C (MCPCB)
F-Series (F66A)	865lm, 119lm/W	60°C (MCPCB)

⑧ Measured at the same fixture

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

- Better line uniformity
- Better 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 (°C)	Life time (hrs)	Certification	Part Number
inFlux_L04	4190	32.4	23.5	1380	1380	131	80+	3500	120	560x24x5.9	-20~+50	50000	CE, ENEC, UL, CUL	SL-88L3N80L1WW
inFlux_L06	5775	43.4	45.7	950	950	133	80+	3500	120	560x24x5.9	-20~+50	50000	CE, ENEC, UL, CUL	SL-88L4N90L1WW
inFlux_L09	9100	64.7	46.9	1380	1380	141	80+	4000	120	560x40x5.9	-20~+50	50000	CE, ENEC, UL, CUL	SL-88L7N90L1WW
	4540					140		4000						SL-88T3N80L1WW
	4540					140		5000						SL-88B3N80L1WW
	5680					131		3000						SL-88V1N90L1WW
	6060					140		4000						SL-88T4N90L1WW
	6060					140		5000						SL-88B4N90L1WW
	8390					130		3000						SL-88V1N90L1WW
	8530					132		3500						SL-88U1N90L1WW
	9100					141		4000						SL-88T7N90L1WW
	9100					141		5000						SL-88B7N90L1WW

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
	2095					130		3000						SL-B871N40L1WW
	2130					132		3500						SL-B881U40L1WW
inFlux_S02	2270	16.1	11.7	1380	1380	80+	80+	4000	120	280x24x5.9	-20~+50	50000	CE, ENEC, UL, cUL	SL-B871N40L1WW
	2270					141		4000						SL-B881N40L1WW
	2640					131		3000						SL-B881N70L1WW
	2885					133		3500						SL-B881N70L1WW
inFlux_S03	3030	21.7	22.9	950	950	80+	80+	4000	120	280x24x5.9	-20~+50	50000	CE, ENEC, UL, cUL	SL-B872N70L1WW
	3030					140		5000						SL-B882N70L1WW
	4195					129		3000						SL-B881N80L1WW
	4265					132		3500						SL-B881N80L1WW
inFlux_S04	4550	32.4	23.5	1380	1380	80+	80+	4000	120	280x40x5.9	-20~+50	50000	CE, ENEC, UL, cUL	SL-B874N80L1WW
	4550					140		5000						SL-B884N80L1WW

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
	4605					138		3000						SL-B87342560WW
	4680					140		3500						SL-B88342560WW
LT-F562A Gen2	4820	33.5	24.8	1350	1620	80+	80+	4000	115	540x18x5.2	-20~+50	50000	CE, UL, cUL	SL-B87342560WW
	4820					144		5000						SL-B88342560WW

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
	1520					162		3000						SL-B8709A280WW
														SL-B8709E280WW
	1590					169		4000						SL-B8709A280WW
														SL-B8709E280WW
LT-R286A		9.4	32.3	290	540	80+	80+	4000	115	280x55x5.8	-20~+50	50000	CE, ENEC, UL, cUL	SL-B8809A280WW
	1635					174		5000		280x55x7.4				SL-B8809E280WW
	1590					169		6500						SL-B8709A280WW
														SL-B8709E280WW
	2810					136		3000						SL-B871280WW
														SL-B871280WW
LT-R286C	3000	20.7	32	648	1050	145	80+	4000	115	280x55x5.8	-20~+50	50000	CE	SL-B871280WW
										280x55x7.4				SL-B871280WW
	3000					145		5000						SL-B8821280WW

* Δ Front wiring connector, ∇ Rear wiring connector

Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

 [View SL-B8U4N90L1WW on WIN SOURCE](#)

 [Samsung Information](#)

Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management