Samsung
LED Lighting

Discover Samsung SMART Lighting

SAMSUNG

Samsung LED Lighting

Smart partner, Total Solution with new LED lighting!

CONTENTS

Why SAMSUNG'S LED BUSINESS

Product Lineup

- Ambient Light Engine
- Downlight Engine
- High Lumen Engine

Full Lineup

Network

Samsung LED Lighting

Samsung's trusted and reliable technology with years of experience in the industry make all the difference.

Semiconductors from Samsung are world-class.
Using the same technology from its semiconductor business,
Samsung manufactures world-class, competitive LED products.

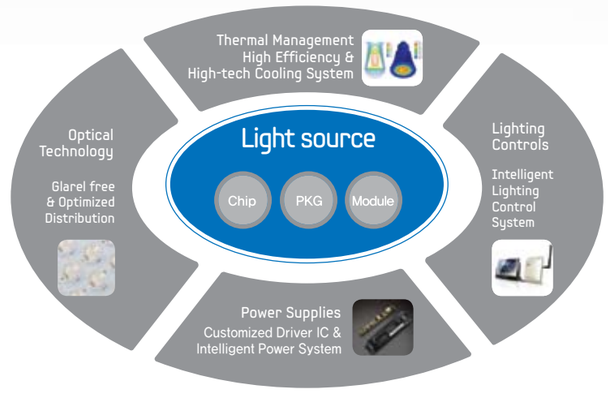
Samsung LED Lighting

LEDs with the world's best semiconductor technology! Samsung is the name to trust.

With broad and deep know-how in the semiconductor industry and strong research and development, Samsung produces world-class LED products that light up the future.

World-class technology and manufacturing capacity to provide a complete solution

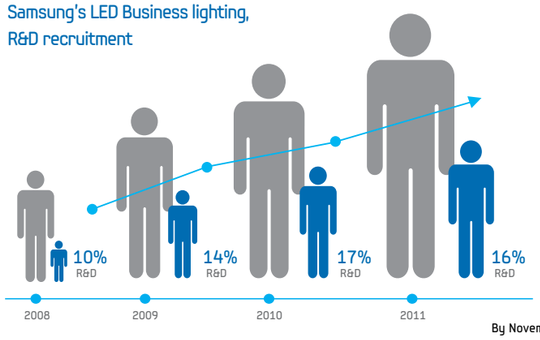
Samsung's LED Business manufactures the best quality products available with world-class technology in thermal management, optics, phosphors, and chips. Samsung's LED Business is recognized worldwide for its superb manufacturing capability of LED chips and packages.



Expanding investment in R&D every year

Samsung's LED Business aggressively invests by recruiting new and experienced experts for its LED business and R&D personnel every year to open up a new future in the bright world of LEDs.

Samsung's LED Business lighting, R&D recruitment



By November 2011

Samsung
LED Lighting

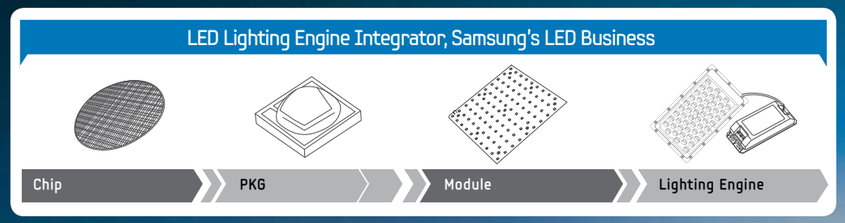
Samsung's LED Business

Manufactures all the LED products for your business needs.

Samsung's LED Business has the technology to manufacture custom LED products to suit your specific needs and requirements. Samsung's LED Business operates its own state-of-the-art supply chain system to manufacture LED products that perfectly matches for your business requirements.

Reliable and stable product supply from basic wafer-LED materials to finished products

Samsung's LED Business has a vertical and integrated manufacturing system from Epi to LED module and a proven track record of reliably supplying LED products to customers worldwide.



The global network of Samsung's LED Business makes products available according to your needs.

Samsung operates an SCM network to track stock and product information with real-time status updates to provide you with the right products at the right time.

* SCM (Supply Chain Management)
Samsung's LED Business exclusive management system to monitor manufacturing, demand, and supply of LED products in real time.

Samsung's global network provides the best service available.

Samsung's LED Business always delivers the best service with its prompt and effective global service.

Online Service www.samsungLED.com

Samsung LED Lighting

Product Lineup

Ambient Light Engine

Downlight Engine

High Lumen Engine

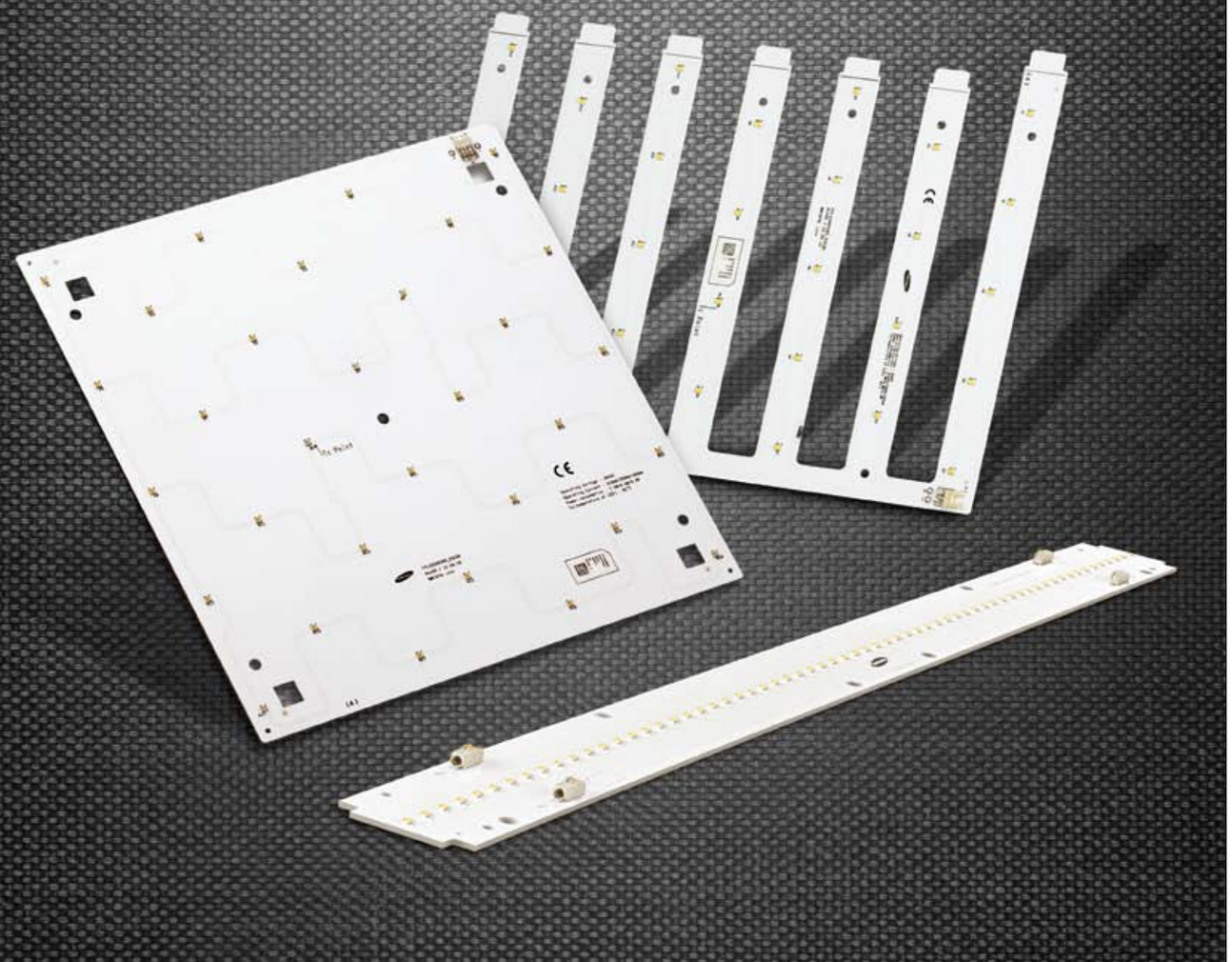
Engines

AMBIENT LIGHT ENGINES
Linear Type / Finger·Tile Type

DOWNLIGHT ENGINES

HIGH LUMEN ENGINES
Modular Light Engine

Reliable light engines designed for
long life and high efficiency.
Available in various sizes and shapes for
a wide variety of applications.



Ambient Light Engine

Features

Linear Type

- Tight color binning for best color consistency and high uniformity
- Modular design flexibility makes a wide variety of luminaire designs possible
- Peace of mind with Samsung-backed quality and performance

Linear Type [Z-series]

- High efficacy of over 120lm/W (@5000K, Tc 55℃)
- Zhaga compatible design ensures the Z-series is future proof

Finger · Tile Type Engine

- Easy to design-in
- Uses Samsung's LM231A (LM80 certified), for proven reliability and performance
- Optimized number of packages for superior light uniformity
- Good thermal performance leads to greater durability and long lifetimes

Applications

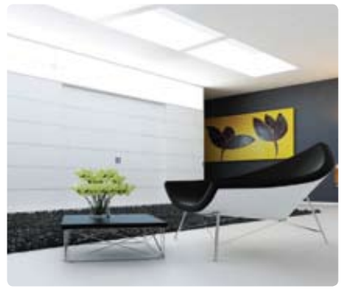
Pendant Lighting
Suface-mounted Lighting

Receesed Lighting
Cove Lighting

Ambient Lighting

Pendant Lighting

Receesed Lighting



Ambient Lighting

Ambient Light Engine
Linear Type

Z-series

LT-Z282A

LT-Z284A / LT-Z284B

LT-Z286A

LT-Z564A

S-series

LM-U270A

LT-W292A

Z-series

Type	Model name	Luminous flux (lm)	Power consumption (W)	Input Voltage (V)	Efficacy (lm/W)	CRI	CCT (K)	Beam Angle (°)	Size (mm)	Temperature range	Lifetime (hrs)	Note
LT-Z282A	STIFMW8300601POLIN	650	5.4	23.1	121	80	3000	115	280x24x5.95	-20[℃]~+60[℃]	50,000	CE
	STIFMW8350601POLIN	670			124		3500					
	STIFMW8400601POLIN	680			126		4000					
	STIFMW8500601POLIN	700			130		5000					
LT-Z284A	STIFMW8301002POLIN	1,060	9.2	23.8	115	80	3000	115	280x40x5.95	-20[℃]~+60[℃]	50,000	CE
	STIFMW8351002POLIN	1,080			118		3500					
	STIFMW8401002POLIN	1,100			120		4000					
	STIFMW8501002POLIN	1,140			124		5000					
LT-Z284B	STIFMW8301003POLIN	1,060	9.2	23.8	115	80	3000	115	280x40x5.95	-20[℃]~+60[℃]	50,000	CE
	STIFMW8351003POLIN	1,080			118		3500					
	STIFMW8401003POLIN	1,100			120		4000					
	STIFMW8501003POLIN	1,140			124		5000					

Z-series

Type	Model name	Luminous flux (lm)	Power consumption (W)	Input Voltage (V)	Efficacy (lm/W)	CRI	CCT (K)	Beam Angle (°)	Size (mm)	Temperature range	Lifetime (hrs)	Note
LT-Z286A	STIFMW8301904POLIN	2,100	18.3	23.8	115	80	3000	115	280x41.6x5.95	-20[℃]~+60[℃]	50,000	CE
	STIFMW8351904POLIN	2,140			117		3500					
	STIFMW8401904POLIN	2,190			119		4000					
	STIFMW8501904POLIN	2,250			123		5000					
LT-Z564A	STIFMW8301905POLIN	2,100	18.3	23.8	115	80	3000	115	560x40x5.95	-20[℃]~+60[℃]	50,000	CE
	STIFMW8351905POLIN	2,150			118		3500					
	STIFMW8401905POLIN	2,200			120		4000					
	STIFMW8501905POLIN	2,270			124		5000					

S-series

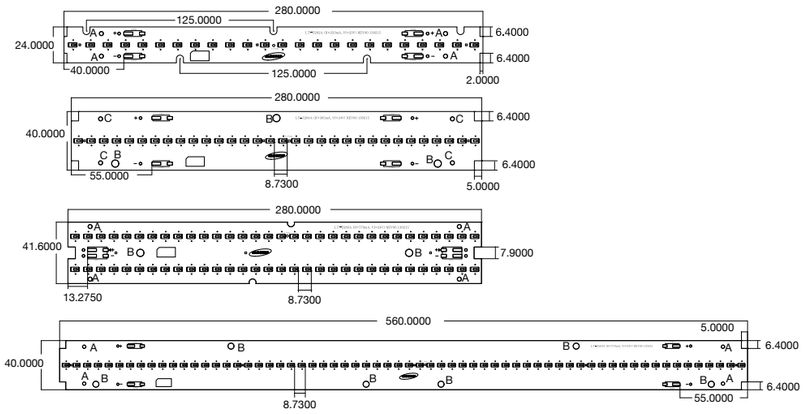
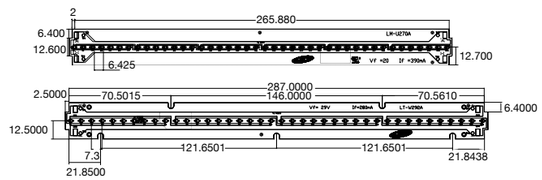
Type	Model name	Luminous flux (lm)	Power consumption (W)	Input Voltage (V)	Efficacy (lm/W)	CRI	CCT (K)	Beam Angle (°)	Size (mm)	Temperature range	Lifetime (hrs)	Note
LM-U270A	STILMW830070127AAA	880	7.0	20.0	125	80	3000	115	270x25.4x1.2	-20[℃]~+60[℃]	50000	UL,CE
	STILMW835070127AAA	890					3500					
	STILMW840070127AAA	900					4000					
	STILMW850070127AAA	910					5000					
LT-W292A	STILMW830080129AAA	990	8.1	29.0	120	80	3000	115	292x25x1.2	-20[℃]~+60[℃]	50000	UL,CE
	STILMW835080129AAA	1,000					3500					
	STILMW840080129AAA	1,010					4000					
	STILMW850080129AAA	1,020					5000					

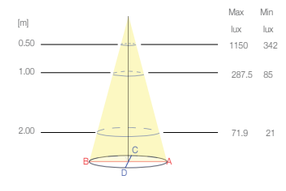
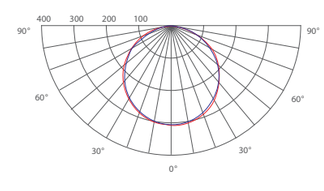
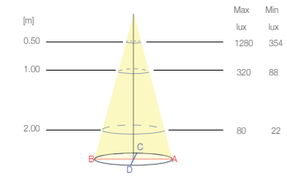
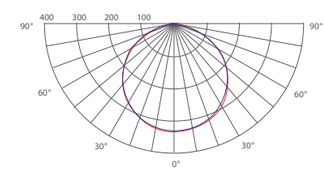
Linear Type Engine Driver

Model name	Power Consumption (W)	Size (mm)	Input Voltage (V)	Output Voltage (V)	Efficacy	TBD	Dimming	Note
STIFPU13545ZD24DUS	45	241x43x30.5	120~277	22.0~26.5	84%	<20%	0 to 10	UL. cUL
STIFPU14550ZD24USA	50	241x43x30.5	120~277	22.0~26.5	84%	<20%	0 to 10	UL. cUL

Ambient Light Engine

Linear Type

Type	Product Outline
Z-Series	
S-Series	

Model Name	Radial Distribution / Conical Illuminance	Iso-illominance Curve
LM-U270A		
LT-W292A		

Ambient Light Engine
Finger Type

Finger -SQ32A

Finger -RT32A

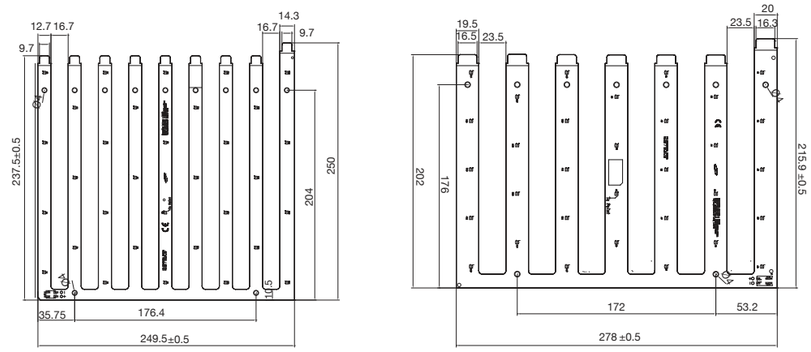
Finger Type Module

Type	Module	Model name	Luminous flux (lm)	Power consumption (W)	Input Voltage (V)	Efficacy (lm/W)	CRI	CCT (K)	Beam Angle (°)	Size (mm)	Temperature range	Lifetime (hrs)	Note
PO (Poke-in connecter)	Finger-SQ32A	STIFMW8304501POSEP	1,050	9.2	24.0	114	80+	3000	120	250x250x1.6	-20[℃]~+60[℃]	50,000	UL, CE
		STIFMW8354501POSEP	1,070			116		3500					
		STIFMW8404501POSEP	1,090			119		4000					
		STIFMW8504501POSEP	1,130			122		5000					
		STIFMW8654501POSEP	1,120			121		6500					
	Finger-RT32A	STIFMW8304502POSEP	1,050	9.2	24.0	114	80+	3000	120	216x280x1.6	-20[℃]~+60[℃]	50,000	UL, CE
		STIFMW8354502POSEP	1,070			116		3500					
		STIFMW8404502POSEP	1,090			119		4000					
		STIFMW8504502POSEP	1,130			122		5000					
		STIFMW8654502POSEP	1,120			121		6500					
PU (Push-up connector)	Finger-SQ32A	STIFMW8304501POSEP	1,050	9.2	24.0	114	80+	3000	120	250x250x1.6	-20[℃]~+60[℃]	50,000	UL, CE
		STIFMW8354501POSEP	1,070			116		3500					
		STIFMW8404501POSEP	1,090			119		4000					
		STIFMW8504501POSEP	1,130			122		5000					
		STIFMW8654501POSEP	1,120			121		6500					
	Finger-RT32A	STIFMW8304502POSEP	1,050	9.2	24.0	114	80+	3000	120	216x280x1.6	-20[℃]~+60[℃]	50,000	UL, CE
		STIFMW8354502POSEP	1,070			116		3500					
		STIFMW8404502POSEP	1,090			119		4000					
		STIFMW8504502POSEP	1,130			122		5000					
		STIFMW8654502POSEP	1,120			121		6500					

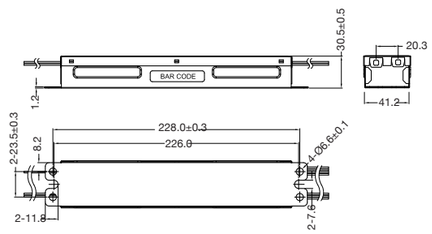
Finger Type Engine Driver

Model name	Power Consumption (W)	Size (mm)	Input Voltage (V)	Output Voltage (V)	Efficacy	TBD	Dimming	Note
STIFPU13545ZD24DUS	45	241x43x30.5	120~277	22.0~26.5	84%	<20%	0 to 10	UL, cUL

Finger Type Module

Model Name	Product Outline
Finer-SQ32A Finger-RT32A	

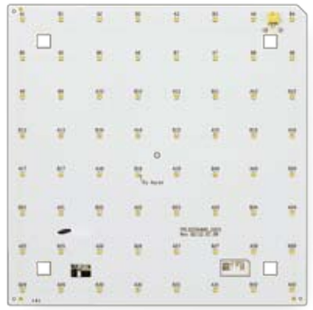
Finger Type Engine Driver

Model Name	Product Outline
STIFPU13545ZD24DUS	

Ambient Light Engine
Tile Type

Tile-SQ32A

Tile-RT32A



Tile-SQ64A

Tile Type Module

Type	Module	Model name	Luminous flux (lm)	Power consumption (W)	Input Voltage (V)	Efficacy (lm/W)	CRI	CCT (K)	Beam Angle (°)	Size (mm)	Temperature range	Lifetime (hrs)	Note
PO (Poke-in connecter)	Tile-SQ32A	STIFMW8304501POSQU	1,050	9.2	24.0	114	80+	3000	120	250x250x1.6	-20[℃]~+60[℃]	50,000	UL, CE
		STIFMW8354501POSQU	1,070			116		3500					
		STIFMW8404501POSQU	1,090			119		4000					
		STIFMW8504501POSQU	1,130			122		5000					
		STIFMW8654501POSQU	1,120			121		6500					
	Tile-RT32A	STIFMW8304502POSQU	1,050	9.2	24.0	114	80+	3000	120	216x280x1.6	-20[℃]~+60[℃]	50,000	UL, CE
		STIFMW8354502POSQU	1,070			116		3500					
		STIFMW8404502POSQU	1,090			119		4000					
		STIFMW8504502POSQU	1,130			122		5000					
		STIFMW8654502POSQU	1,120			121		6500					
PU (Push-up connector)	Tile-SQ32A	STIFMW8304501PUSQU	1,050	9.2	24.0	114	80+	3000	120	250x250x1.6	-20[℃]~+60[℃]	50,000	UL, CE
		STIFMW8354501PUSQU	1,070			116		3500					
		STIFMW8404501PUSQU	1,090			119		4000					
		STIFMW8504501PUSQU	1,130			122		5000					
		STIFMW8654501PUSQU	1,120			121		6500					
	Tile-RT32A	STIFMW8304502PUSQU	1,050	9.2	24.0	114	80+	3000	120	216x280x1.6	-20[℃]~+60[℃]	50,000	UL, CE
		STIFMW8354502PUSQU	1,070			116		3500					
		STIFMW8404502PUSQU	1,090			119		4000					
		STIFMW8504502PUSQU	1,130			122		5000					
		STIFMW8654502PUSQU	1,120			121		6500					

Tile Type Engine Driver (Tile-SQ32A / Tile-RT32A)

Model name	Power Consumption (W)	Size (mm)	Input Voltage (V)	Output Voltage (V)	Efficacy	TBD	Dimming	Note
STIFPU13545ZD24DUS	45	241x43x30.5	120~277	22.0~26.5	84%	<20%	0 to 10	UL, cUL

Tile Type Module

Module	Model name	Luminous flux (lm)	Power consumption (W)	Input Voltage (V)	Efficacy (lm/W)	CRI	CCT (K)	Beam Angle (°)	Size (mm)	Temperature range	Lifetime (hrs)
Tile-SQ64A	STIFMW835451100AAA	1,300	10.9	24.0	120	80+	3500	120	250x250x1.6	-20[℃]~+60[℃]	50,000
	STIFMW840451100AAA	1,330			122		4000				
	STIFMW850450200AAA	1,370			126		5000				
Tile-RT64A	STIFMW850450100AAA	1,370	10.9	24.0	126	80+	5000	120	216x280x1.6	-20[℃]~+60[℃]	50,000

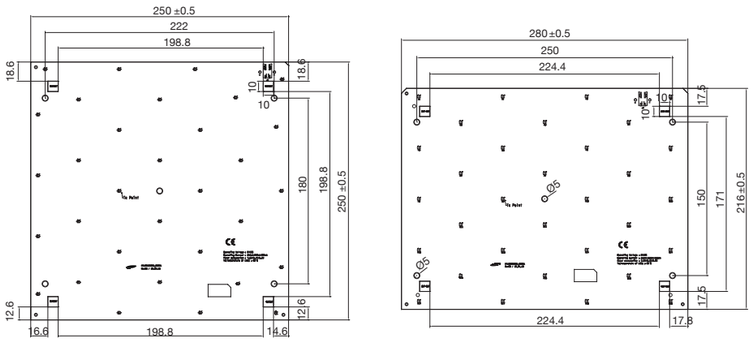
* Luminous flux and Efficacy is base on STIFPU14550ZD24USA

Tile Type Engine Driver (Tile-SQ64A / Tile-RT64A)

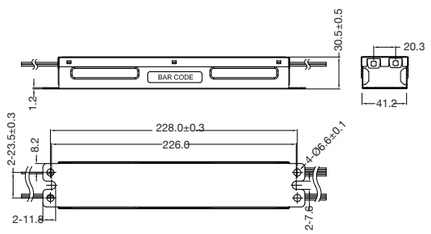
Model name	Power Consumption (W)	Size (mm)	Input Voltage (V)	Output Voltage (V)	Efficacy	TBD	Dimming	Note
STIFPU13545ZD24DUS	45	241x43x30.5	120~277	22.0~26.5	84%	<20%	0 to 10	UL, cUL
STIFPU14550ZD24USA	50	241x43x30.5	120~277	22.0~26.5	84%	<20%	0 to 10 (<1W)	UL, cUL

Ambient Light Engine
Tile Type

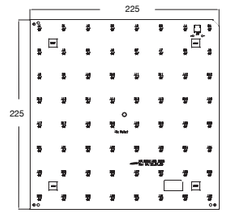
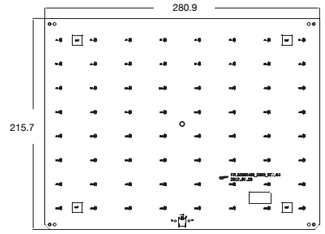
Tile Type Module

Model Name	Product Outline
Tile-SQ32A Tile-RT32A	

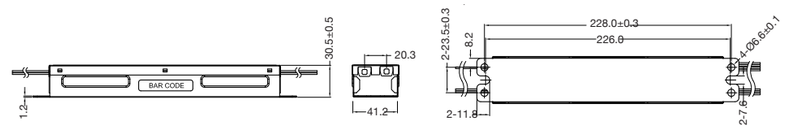
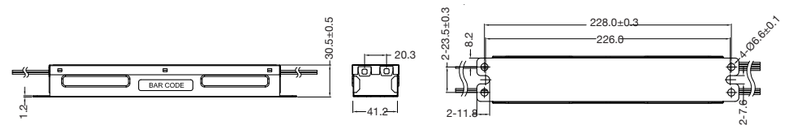
Tile Type Engine Driver (Tile-SQ32A / Tile-RT32A)

Model Name	Product Outline
STIFPU13545ZD24DUS	

Tile Type Module

Model Name	Product Outline
Tile-SQ64A	
Tile-RT64A	

Tile Type Engine Driver (Tile-SQ64A / Tile-RT64A)

Model Name	Product Outline
STIFPU13545ZD24DUS	
STIFPU14550ZD24USA	

High efficacy Downlight Engines

that are ideal for use in circular ceiling lights and downlights.

Downlight Engine

Features

- High efficacy downlight modules with latest LED technology from Samsung
- Suitable for various application including general flood, spot and ceiling light
- Best color consistency derived from Samsung's extensive binning expertise

Applications

Downlight
Circular Ceiling Lighting

Circular Pendant Lighting

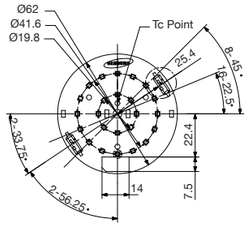
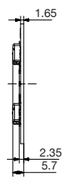
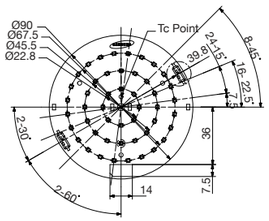
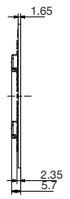
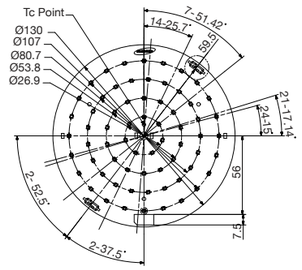
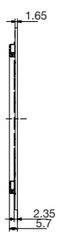
Downlight

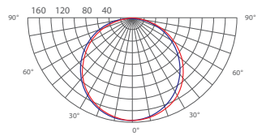
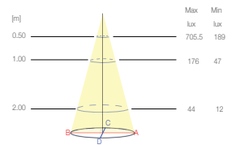
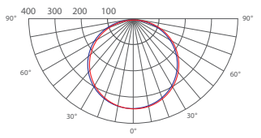
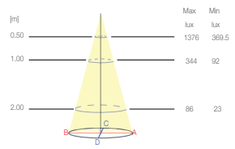
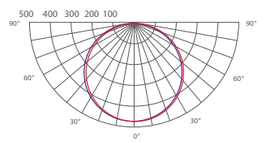
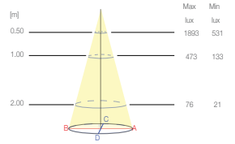
Circular Ceiling Lighting

Circular Pendant Lighting

Downlight Engine

Type	Model name	Luminous flux (lm)	Power consumption (W)	Input Voltage (V)	Efficacy (lm/W)	CRI	CCT (K)	Size (mm)	Beam angle (°)	Weight (g)	Temperature range	Lifetime (hrs)
Round-62B	STIDMW830042112AAA	450	4.2	12	107	80	3000	Φ62x5.7	115	11	-30℃~+50℃	50,000
	STIDMW840042112AAA	510			121		4000					
Round-90B	STIDMW830082112AAA	905	8.4	24	108	80	3000	Φ90x5.7	115	23	-30℃~+50℃	50,000
	STIDMW840082112AAA	1,030			123		4000					
Round-130B	STIDMW830112112AAA	1,240	11.6	33	107	80	3000	Φ130x5.7	115	35	-30℃~+50℃	50,000
	STIDMW840112112AAA	1,390			120		4000					

Model Name	Product Outline	
Round-62B		
Round-90B		
Round-130B		

Model Name	Radial Distribution / Conical Illuminance	Iso-illominance Curve
Round-62B		
Round-90B		
Round-130B		

High Lumen Engine

Modular Light Engine

Features

- Wide range of engine combinations available from 25W to 200W and well-suited for a variety of harsh environment applications
- High luminous efficacy
- Available with a full range of compatible drivers

With Heatsink

Type	Model name	Luminous Flux	Power consumption (W)	CCT	CRI	Efficacy	Weight(g)	Lifetime	Waterproof/ Dustproof Grade	Temperature Range	Power factor
Type 2-S1	STOPMW830250V2SE31	1,510	21.7	3000	80+	71	280x12	-	IP66	-30℃~+70℃	0.9
	STOPMW840250V2SE31	1,622		4000	80+	76					
	STOPMW757252V2SE31	1,880		5700	70+	88					
Type 2-M1	STOPMWD50252V7ME31	1,800	21.7	5000	70+	84	280x12	-	IP66	-30℃~+70℃	0.9
BA 85 (Floodlight)	STOPMW840250V85E31	1,730	21.7	4000	80+	81	280x12	-	IP66	-30℃~+70℃	0.9
	STOPMW757252V85E31	1,990		5700	70+	93					

Applications

Security Lighting
Street Lighting

Indoor & Outdoor Flood Lighting
High-bay Lighting

Street Lighting

Flood Lighting

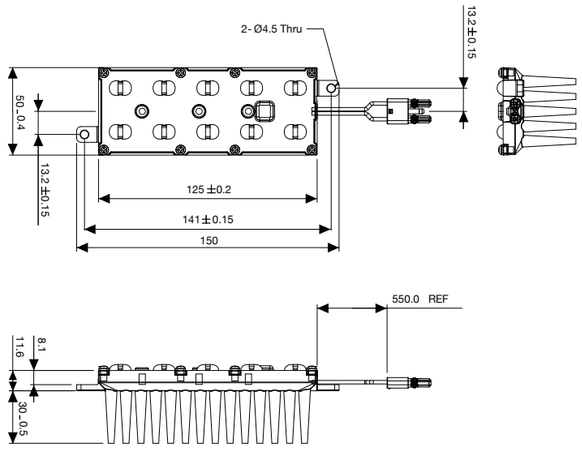
High-bay Lighting

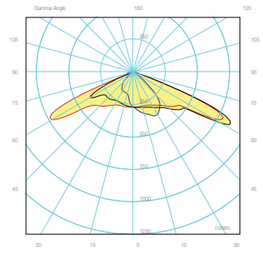
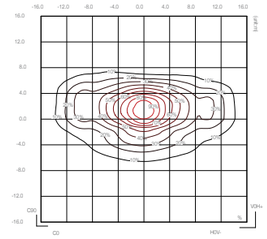
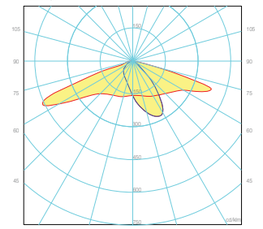
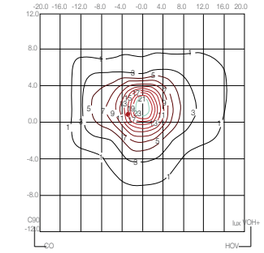
High Lumen Engine

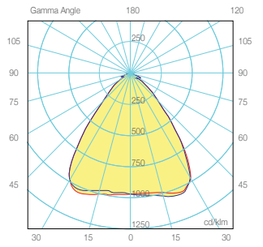
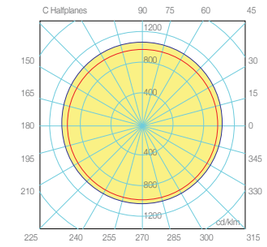
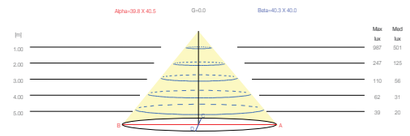
Modular Light Engine

Modular Light Engine Driver

Model name	Power Consumption (W)	Size (mm)	Input Voltage (V)	Output Voltage (V)	Output Current /1ch (A)	Efficacy	THD	Channel	Dimming	Classicification	Note
STOOPA17025Z032STD	25	196x70x33.1		28.0~34.0	0.7	75%	< 20%	1	0 to 10	Class 2	UL, cUL
STOOPA21450Z032STD	50	196x70x33.1		28.0~36.0	1.4	85%	< 20%	1	0 to 10	Class 2	UL, cUL
STOOPA22175Z032STD	75	196x70x33.1	100~277	28.0~36.0	2.1	85%	< 20%	1	0 to 10	Class 2	UL, cUL
STOOPA214A0Z032STD	100	258x102.6x38.0		28.0~36.0	1.4	85%	< 20%	2	0 to 10	Class 2	UL, cUL
STOOPA221A5Z032STD	150	258x102.6x38.0		28.0~36.0	2.1	85%	< 20%	2	0 to 10	Class 2	UL, cUL

Model Name	Product Outline
With Heatsink	

Type / Degree		Radial Distribution / Conical Illuminance	Iso-illominance Curve
TYPE-II	Short 1		
TYPE-II	Medium 2		

Type / Degree		Radial Distribution / Conical Illuminance
Beam Angle	85°	   Light distribution

Light Engine

Full Lineup

Ambient Light Engine

Linear Type Module (Z-series)

Type	Model name	Luminous flux (lm)	Power consumption (W)	Input Voltage (V)	Efficacy (lm/W)	CRI	CCT (K)	Beam Angle (°)	Size (mm)	Temperature range	Lifetime (hrs)	Note
LT-Z282A	STIFMW8300601POLIN	650	5.4	23.1	121	80	3000	115	280x24x5.95	-20[℃]~+60[℃]	50,000	CE
	STIFMW8350601POLIN	670			124		3500					
	STIFMW8400601POLIN	680			126		4000					
	STIFMW8500601POLIN	700			130		5000					
LT-Z284A	STIFMW8301002POLIN	1,060	9.2	23.8	115	80	3000	115	280x40x5.95	-20[℃]~+60[℃]	50,000	CE
	STIFMW8351002POLIN	1,080			118		3500					
	STIFMW8401002POLIN	1,100			120		4000					
	STIFMW8501002POLIN	1,140			124		5000					
LT-Z284B	STIFMW8301003POLIN	1,060	9.2	23.8	115	80	3000	115	280x40x5.95	-20[℃]~+60[℃]	50,000	CE
	STIFMW8351003POLIN	1,080			118		3500					
	STIFMW8401003POLIN	1,100			120		4000					
	STIFMW8501003POLIN	1,140			124		5000					
LT-Z286A	STIFMW8301904POLIN	2,100	18.3	23.8	115	80	3000	115	280x41.6x5.95	-20[℃]~+60[℃]	50,000	CE
	STIFMW8351904POLIN	2,140			117		3500					
	STIFMW8401904POLIN	2,190			119		4000					
	STIFMW8501904POLIN	2,250			123		5000					
LT-Z564A	STIFMW8301905POLIN	2,100	18.3	23.8	115	80	3000	115	560x40x5.95	-20[℃]~+60[℃]	50,000	CE
	STIFMW8351905POLIN	2,150			118		3500					
	STIFMW8401905POLIN	2,200			120		4000					
	STIFMW8501905POLIN	2,270			124		5000					

Linear Type Module (S-series)

Type	Model name	Luminous flux (lm)	Power consumption (W)	Input Voltage (V)	Efficacy (lm/W)	CRI	CCT (K)	Beam Angle (°)	Size (mm)	Temperature range	Lifetime (hrs)	Note
LM-U270A	STILMW830070127AAA	880	7.0	20.0	125	80	3000	115	270x25.4x1.2	-20[℃]~+60[℃]	50000	UL,CE
	STILMW835070127AAA	890					3500					
	STILMW840070127AAA	900					4000					
	STILMW850070127AAA	910					5000					
LT-W292A	STILMW830080129AAA	990	8.1	29.0	120	80	3000	115	292x25x1.2	-20[℃]~+60[℃]	50000	UL,CE
	STILMW835080129AAA	1,000					3500					
	STILMW840080129AAA	1,010					4000					
	STILMW850080129AAA	1,020					5000					

Linear Type Engine Driver

Model name	Power Consumption (W)	Size (mm)	Input Voltage (V)	Output Voltage (V)	Efficacy	TBD	Dimming	Note
STIFPU13545ZD24DUS	45	241x43x30.5	120~277	22.0~26.5	84%	<20%	0 to 10	UL. cUL
STIFPU14550ZD24USA	50	241x43x30.5	120~277	22.0~26.5	84%	<20%	0 to 10	UL. cUL

Light Engine
Full Lineup

Finger Type Module

Type	Module	Model name	Luminous flux (lm)	Power consumption (W)	Input Voltage (V)	Efficacy (lm/W)	CRI	CCT (K)	Beam Angle (°)	Size (mm)	Temperature range	Lifetime (hrs)	Note
PO (Poke-in connecter)	Finger-SQ32A	STIFMW8304501POSEP	1,050	9.2	24.0	114	80+	3000	120	250x250x1.6	-20[℃]~+60[℃]	50,000	UL, CE
		STIFMW8354501POSEP	1,070			116		3500					
		STIFMW8404501POSEP	1,090			119		4000					
		STIFMW8504501POSEP	1,130			122		5000					
		STIFMW8654501POSEP	1,120			121		6500					
	Finger-RT32A	STIFMW8304502POSEP	1,050	9.2	24.0	114	80+	3000	120	216x280x1.6	-20[℃]~+60[℃]	50,000	UL, CE
		STIFMW8354502POSEP	1,070			116		3500					
		STIFMW8404502POSEP	1,090			119		4000					
		STIFMW8504502POSEP	1,130			122		5000					
		STIFMW8654502POSEP	1,120			121		6500					
PU (Push-up connector)	Finger-SQ32A	STIFMW8304501POSEP	1,050	9.2	24.0	114	80+	3000	120	250x250x1.6	-20[℃]~+60[℃]	50,000	UL, CE
		STIFMW8354501POSEP	1,070			116		3500					
		STIFMW8404501POSEP	1,090			119		4000					
		STIFMW8504501POSEP	1,130			122		5000					
		STIFMW8654501POSEP	1,120			121		6500					
	Finger-RT32A	STIFMW8304502POSEP	1,050	9.2	24.0	114	80+	3000	120	216x280x1.6	-20[℃]~+60[℃]	50,000	UL, CE
		STIFMW8354502POSEP	1,070			116		3500					
		STIFMW8404502POSEP	1,090			119		4000					
		STIFMW8504502POSEP	1,130			122		5000					
		STIFMW8654502POSEP	1,120			121		6500					

Finger Type Engine Driver

Model name	Power Consumption (W)	Size (mm)	Input Voltage (V)	Output Voltage (V)	Efficacy	TBD	Dimming	Note
STIFPU13545ZD24DUS	45	241x43x30.5	120~277	22.0~26.5	84%	<20%	0 to 10	UL, cUL

Tile Type Module

Type	Module	Model name	Luminous flux (lm)	Power consumption (W)	Input Voltage (V)	Efficacy (lm/W)	CRI	CCT (K)	Beam Angle (°)	Size (mm)	Temperature range	Lifetime (hrs)	Note
PO (Poke-in connecter)	Tile-SQ32A	STIFMW8304501POSQU	1,050	9.2	24.0	114	80+	3000	120	250x250x1.6	-20[℃]~+60[℃]	50,000	UL, CE
		STIFMW8354501POSQU	1,070			116		3500					
		STIFMW8404501POSQU	1,090			119		4000					
		STIFMW8504501POSQU	1,130			122		5000					
		STIFMW8654501POSQU	1,120			121		6500					
	Tile-RT32A	STIFMW8304502POSQU	1,050	9.2	24.0	114	80+	3000	120	216x280x1.6	-20[℃]~+60[℃]	50,000	UL, CE
		STIFMW8354502POSQU	1,070			116		3500					
		STIFMW8404502POSQU	1,090			119		4000					
		STIFMW8504502POSQU	1,130			122		5000					
		STIFMW8654502POSQU	1,120			121		6500					
PU (Push-up connector)	Tile-SQ32A	STIFMW8304501PUSQU	1,050	9.2	24.0	114	80+	3000	120	250x250x1.6	-20[℃]~+60[℃]	50,000	UL, CE
		STIFMW8354501PUSQU	1,070			116		3500					
		STIFMW8404501PUSQU	1,090			119		4000					
		STIFMW8504501PUSQU	1,130			122		5000					
		STIFMW8654501PUSQU	1,120			121		6500					
	Tile-RT32A	STIFMW8304502PUSQU	1,050	9.2	24.0	114	80+	3000	120	216x280x1.6	-20[℃]~+60[℃]	50,000	UL, CE
		STIFMW8354502PUSQU	1,070			116		3500					
		STIFMW8404502PUSQU	1,090			119		4000					
		STIFMW8504502PUSQU	1,130			122		5000					
		STIFMW8654502PUSQU	1,120			121		6500					

Tile Type Engine Driver (Tile-SQ32A / Tile-RT32A)

Model name	Power Consumption (W)	Size (mm)	Input Voltage (V)	Output Voltage (V)	Efficacy	TBD	Dimming	Note
STIFPU13545ZD24DUS	45	241x43x30.5	120~277	22.0~26.5	84%	<20%	0 to 10	UL, cUL

Light Engine

Full Lineup

Tile Type Module

Module	Model name	Luminous flux (lm)	Power consumption (W)	Input Voltage (V)	Efficacy (lm/W)	CRI	CCT (K)	Beam Angle (°)	Size (mm)	Temperature range	Lifetime (hrs)
Tile-SQ64A	STIFMW835451100AAA	1,300	10.9	24.0	120	80+	3500	120	250x250x1.6	-20℃~+60℃	50,000
	STIFMW840451100AAA	1,330			122		4000				
	STIFMW850450200AAA	1,370			126		5000				
Tile-RT64A	STIFMW850450100AAA	1,370	10.9	24.0	126	80+	5000	120	216x280x1.6	-20℃~+60℃	50,000

* Luminous flux and Efficacy is base on STIFPU14550ZD24USA

Tile Type Engine Driver (Tile-SQ64A / Tile-RT64A)

Model name	Power Consumption (W)	Size (mm)	Input Voltage (V)	Output Voltage (V)	Efficacy	TBD	Dimming	Note
STIFPU13545ZD24DUS	45	241x43x30.5	120~277	22.0~26.5	84%	<20%	0 to 10	UL, cUL
STIFPU14550ZD24USA	50	241x43x30.5	120~277	22.0~26.5	84%	<20%	0 to 10 (<1W)	UL, cUL

Downlight Engine

Type	Model name	Luminous flux (lm)	Power consumption (W)	Input Voltage (V)	Efficacy (lm/W)	CRI	CCT (K)	Size (mm)	Beam angle (°)	Weight (g)	Temperature range	Lifetime (hrs)
Round-62B	STIDMW830042112AAA	450	4.2	12	107	80	3000	Φ62x5.7	115	11	-30℃~+50℃	50,000
	STIDMW840042112AAA	510			121		4000					
Round-90B	STIDMW830082112AAA	905	8.4	24	108	80	3000	Φ90x5.7	115	23	-30℃~+50℃	50,000
	STIDMW840082112AAA	1,030			123		4000					
Round-130B	STIDMW830112112AAA	1,240	11.6	33	107	80	3000	Φ130x5.7	115	35	-30℃~+50℃	50,000
	STIDMW840112112AAA	1,390			120		4000					

High Lumen Engine

Modular Light Module

Type	Model name	Luminous Flux	Power consumption (W)	CCT	CRI	Efficacy	Weight(g)	Lifetime	Waterproof/ Dustproof Grade	Temperature Range	Power factor
Type 2-S1	STOPMW830250V2SE31	1,510	21.7	3000	80+	71	280x12	-	IP66	-30℃~+70℃	0.9
	STOPMW840250V2SE31	1,622		4000		76					
	STOPMW757252V2SE31	1,880		5700	70+	88					
Type 2-M1	STOPMWD50252V7ME31	1,800	21.7	5000	70+	84	280x12	-	IP66	-30℃~+70℃	0.9
BA 85 (Floodlight)	STOPMW840250V85E31	1,730	21.7	4000	80+	81	280x12	-	IP66	-30℃~+70℃	0.9
	STOPMW757252V85E31	1,990		5700	70+	93					

Modular Light Engine Driver

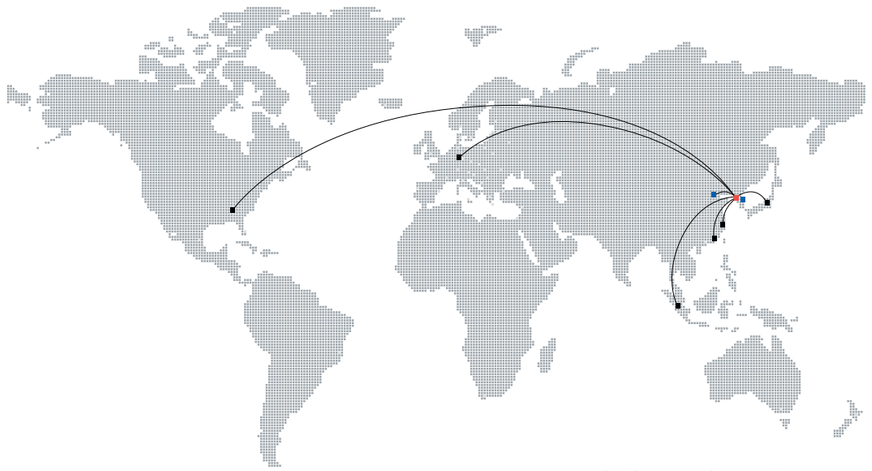
Model name	Power Consumption (W)	Size (mm)	Input Voltage (V)	Output Voltage (V)	Output Current /1ch (A)	Efficacy	THD	Channel	Dimming	Classicification	Note
STOOPA17025Z032STD	25	196x70x33.1	100~277	28.0~34.0	0.7	75%	< 20%	1	0 to 10	Class 2	UL, cUL
STOOPA21450Z032STD	50	196x70x33.1		28.0~36.0	1.4	85%	< 20%	1	0 to 10	Class 2	UL, cUL
STOOPA22175Z032STD	75	196x70x33.1		28.0~36.0	2.1	85%	< 20%	1	0 to 10	Class 2	UL, cUL
STOOPA214A0Z032STD	100	258x102.6x38.0		28.0~36.0	1.4	85%	< 20%	2	0 to 10	Class 2	UL, cUL
STOOPA221A5Z032STD	150	258x102.6x38.0		28.0~36.0	2.1	85%	< 20%	2	0 to 10	Class 2	UL, cUL

Network

Samsung's LED Business global network across the world

With production bases in 2 countries and regional headquarters in 6 countries, the world is getting smaller.

Samsung's LED Business is a global company and we are growing everyday.



Worldwide Samsung

Headquarters /
Giheung Business Center in Korea

Giheung Business Center (HQ) is responsible for R&D and is the Engineering Center for our entire range of products.

We serve as the center of the integrated global network for Samsung's LED business by using a pilot production line for prototype products and performing diverse HQ functions such as sales, purchasing, research and management support.

Production Facilities

Giheung Office :
446-711 San #24
Nongseo-Dong, Giheung-Gu,
Yongin-City, Gyeonggi-Do,
Korea

Tienjin Office in China
Tianjin Samsung LED Co., Ltd.
Weisi (6th) Rd., Micro-Electronics
Industrial Park, Xiqing District,
Tianjin 300385, China

Overseas sales branch

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