

Discover Samsung SMART Lighting



Smart partner, Total Solution Samsung LED lighting!

CONTENTS


Why SAMSUNG'S LED BUSINESS

Product Lineup

- Ambient Light Engine
- Downlight Engine
- High Lumen Engine

Full Lineup

Network



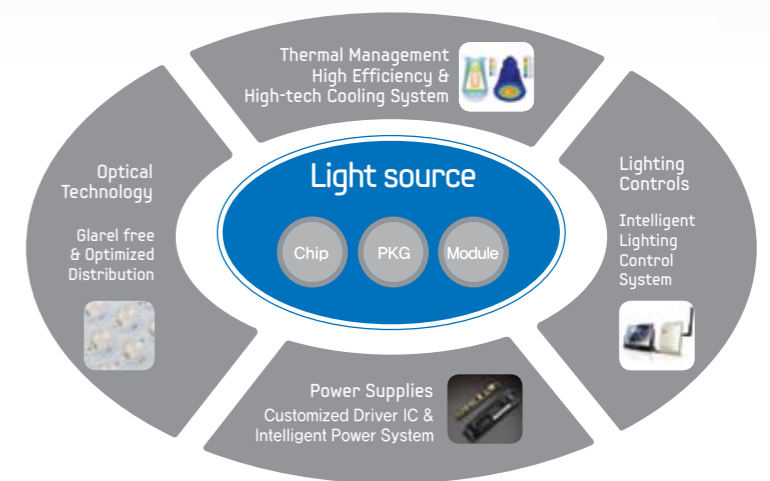
Samsung's trusted and reliable technology with years of experience in the industry make all the difference.

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



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.



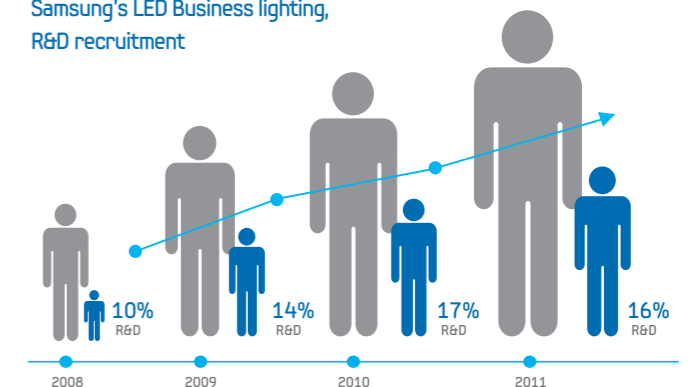
LEDs with the world's best semiconductor technology! Samsung is the name to trust.

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.

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



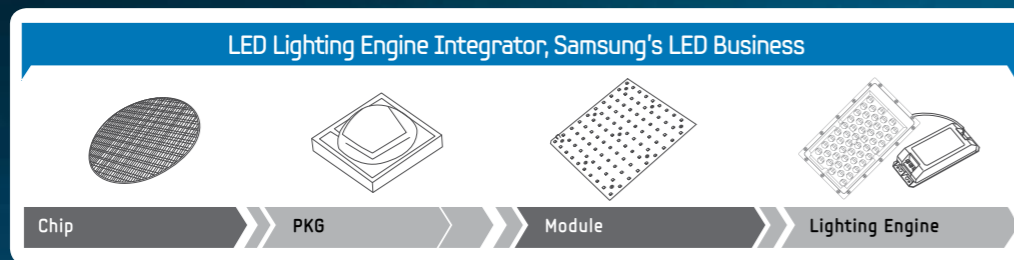
Samsung's LED Business

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.



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

Product Lineup

Ambient Light Engine

Downlight Engine

High Lumen Engine

Engines

AMBIENT LIGHT ENGINES

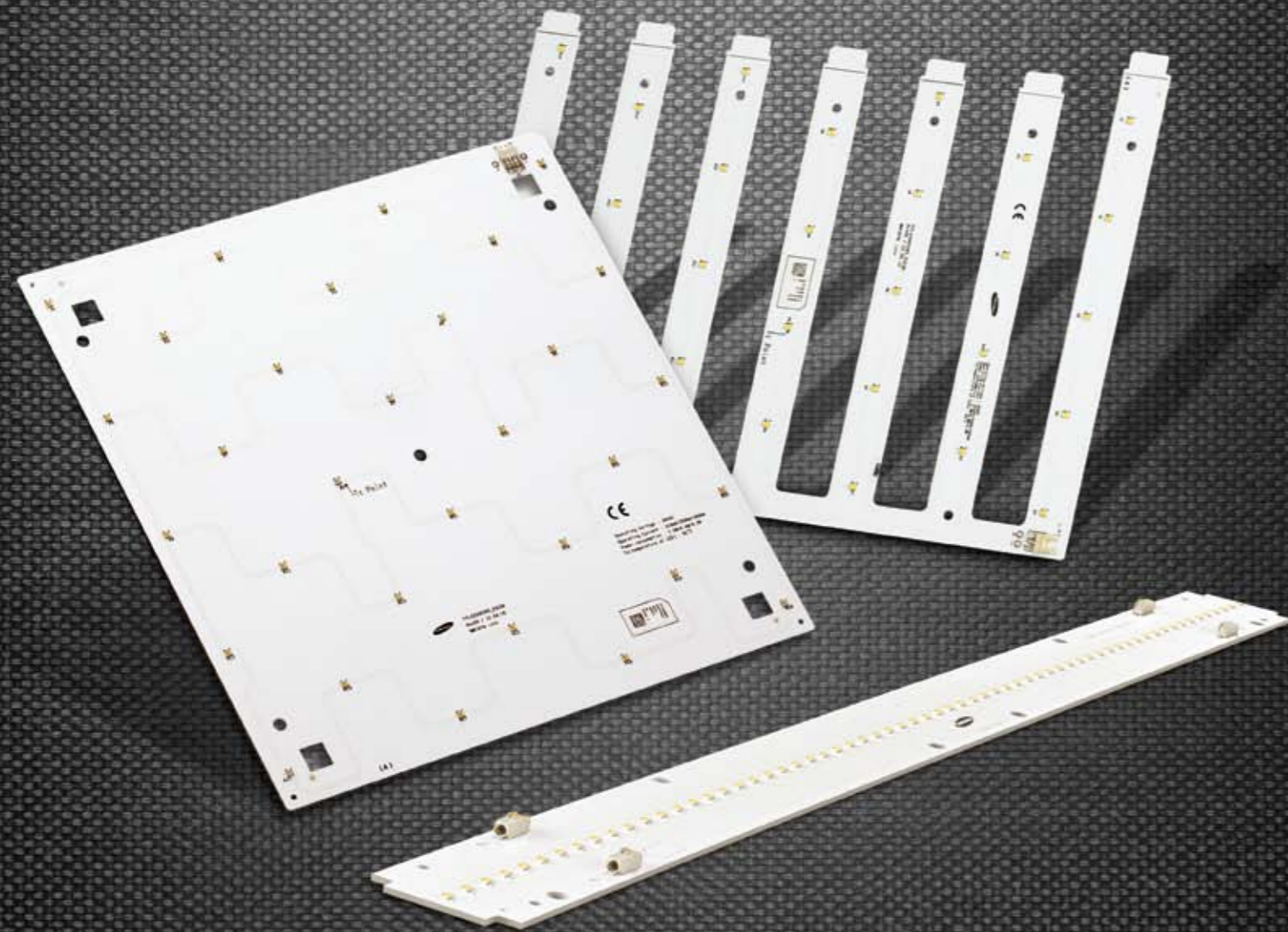
Linear Type / Finger-Tile Type

DOWNLIGHT ENGINES

HIGH LUMEN ENGINES

Modular Light Engine / Array 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°C)
- Zhaga compatible design ensures the Z-series is future proof

Finger · Tile Type Engine

- Easy to design-in
- Uses Samsung's LM231A (LM80 certified), LM561B 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
Surface-mounted Lighting



Pendant Lighting

Recessed Lighting
Cove Lighting



Recessed Lighting

Ambient 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[°C]~+60[°C]	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	3500	115	280x40x5.95	-20[°C]~+60[°C]	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	3500	115	280x40x5.95	-20[°C]~+60[°C]	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[°C]~+60[°C]	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[°C]~+60[°C]	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[°C]~+60[°C]	50,000	CE,UL	
	STILMW835070127AAA	890											3500
	STILMW840070127AAA	900											4000
	STILMW850070127AAA	910											5000
LT-W292A	STILMW830080129AAA	990	8.1	29.0	120	80	3000	115	292x25x1.2	-20[°C]~+60[°C]	50,000	CE,UL	
	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)	Output Current/1ch (mA)	Efficacy	TBD	Channel	Dimming	Note
STIFP227040DL24AAA	35/40/45	280 x 40 x 21	220 ~ 240	20.0~31.0	630/700/770	85%	<20%	2	DALI	VDE,CE,ENEC
STIFP227040ZD24AAA	35/40/45	280 x 40 x 21	220 ~ 240	20.0~31.0	630/700/770	85%	<20%	2	0-10	VDE,CE,ENEC

Ambient Light Engine Linear Type

Type	Product Outline
Z-Series	<p>Technical drawings of the Z-Series Ambient Light Engine. The drawings show a long, narrow profile with various dimensions and component locations. Key dimensions include a total length of 280.0000 mm, a width of 6.4000 mm, and a mounting hole diameter of 8.7300 mm. The drawings also show the placement of components like LEDs and drivers, with labels such as A, B, C, and D.</p>
S-Series	<p>Technical drawings of the S-Series Ambient Light Engine. The drawings show a long, narrow profile with various dimensions and component locations. Key dimensions include a total length of 265.880 mm, a width of 6.400 mm, and a mounting hole diameter of 8.730 mm. The drawings also show the placement of components like LEDs and drivers, with labels such as A, B, C, and D.</p>

Model Name	Radial Distribution / Conical Illuminance	Iso-illuminance Curve												
LM-U270A	<table border="1"> <thead> <tr> <th>[m]</th> <th>Max lux</th> <th>Min lux</th> </tr> </thead> <tbody> <tr> <td>0.50</td> <td>1150</td> <td>342</td> </tr> <tr> <td>1.00</td> <td>287.5</td> <td>85</td> </tr> <tr> <td>2.00</td> <td>71.9</td> <td>21</td> </tr> </tbody> </table>	[m]	Max lux	Min lux	0.50	1150	342	1.00	287.5	85	2.00	71.9	21	<p>Iso-illuminance curve for the LM-U270A model, showing a beam spread of approximately 60 degrees. The curve indicates the distribution of light intensity across the beam, with a maximum illuminance of 1150 lux at 0.50m and a minimum of 21 lux at 2.00m.</p>
[m]	Max lux	Min lux												
0.50	1150	342												
1.00	287.5	85												
2.00	71.9	21												
LT-W292A	<table border="1"> <thead> <tr> <th>[m]</th> <th>Max lux</th> <th>Min lux</th> </tr> </thead> <tbody> <tr> <td>0.50</td> <td>1280</td> <td>354</td> </tr> <tr> <td>1.00</td> <td>320</td> <td>88</td> </tr> <tr> <td>2.00</td> <td>80</td> <td>22</td> </tr> </tbody> </table>	[m]	Max lux	Min lux	0.50	1280	354	1.00	320	88	2.00	80	22	<p>Iso-illuminance curve for the LT-W292A model, showing a beam spread of approximately 60 degrees. The curve indicates the distribution of light intensity across the beam, with a maximum illuminance of 1280 lux at 0.50m and a minimum of 22 lux at 2.00m.</p>
[m]	Max lux	Min lux												
0.50	1280	354												
1.00	320	88												
2.00	80	22												

Ambient Light Engine Finger Type



Finger-SQ64B



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 connector)	Finger-SQ64B	STIFMW840100300SPL	1,230	8.4	12	145	80+	4000	120	250x250x1.6	-20[°C]~+60[°C]	50,000	CE, UL
		STIFMW8304501POSEP	1,050			114		3000					
	Finger-SQ32A	STIFMW8354501POSEP	1,070			116		3500					
		STIFMW8404501POSEP	1,090	9.2	24.0	119	80+	4000	120	250x250x1.6	-20[°C]~+60[°C]	50,000	CE, UL
		STIFMW8504501POSEP	1,130			122		5000					
		STIFMW8654501POSEP	1,120			121		6500					
Finger-RT32A	STIFMW8304502POSEP	1,050			114		3000						
	STIFMW8354502POSEP	1,070			116		3500						
	STIFMW8404502POSEP	1,090	9.2	24.0	119	80+	4000	120	216x280x1.6	-20[°C]~+60[°C]	50,000	CE, UL	
		STIFMW8504502POSEP	1,130			122		5000					
		STIFMW8654502POSEP	1,120			121		6500					

Finger Type Module

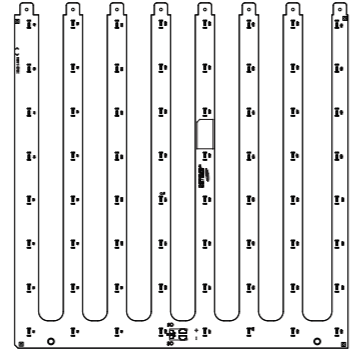
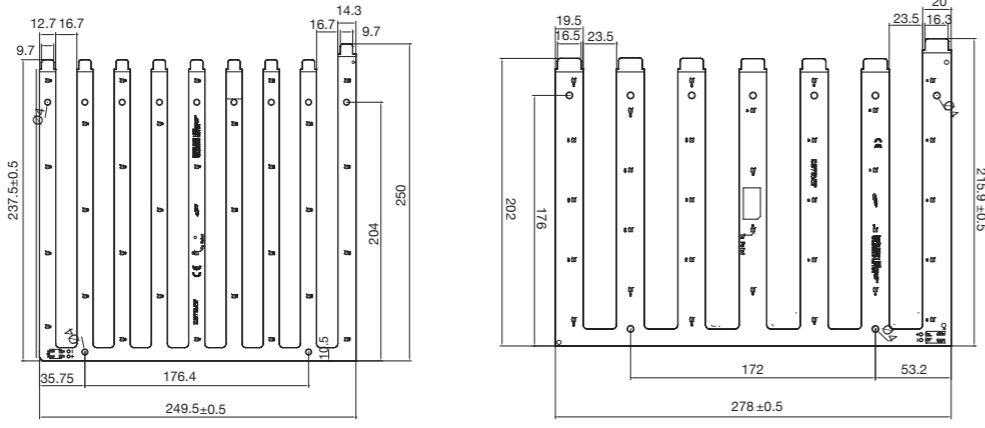
Type	Module	Model name	Luminous flux (lm)	Power consumption (W)	Input Voltage (V)	Efficacy (lm/W)	CRI	CCT (K)	Beam Angle (°)	Size (mm)	Temperature range	Lifetime (hrs)	Note
PU (Push-up connector)	Finger-SQ32A	STIFMW8304501PUSEP	1,050			114		3000					
		STIFMW8354501PUSEP	1,070			116		3500					
		STIFMW8404501PUSEP	1,090	9.2	24.0	119	80+	4000	120	250x250x1.6	-20[°C]~+60[°C]	50,000	CE, UL
		STIFMW8504501PUSEP	1,130			122		5000					
		STIFMW8654501PUSEP	1,120			121		6500					
	Finger-RT32A	STIFMW8304502PUSEP	1,050			114		3000					
		STIFMW8354502PUSEP	1,070			116		3500					
		STIFMW8404502PUSEP	1,090	9.2	24.0	119	80+	4000	120	216x280x1.6	-20[°C]~+60[°C]	50,000	CE, UL
		STIFMW8504502PUSEP	1,130			122		5000					
		STIFMW8654502PUSEP	1,120			121		6500					

Finger Type Engine Driver

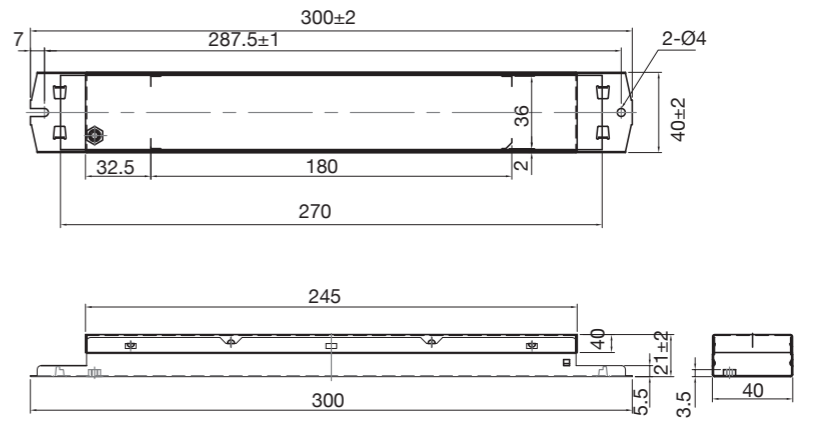
Model name	Power Consumption (W)	Size (mm)	Input Voltage (V)	Output Voltage (V)	Output Current/1ch (mA)	Efficacy	TBD	Channel	Dimming	Note
STIFP227040DL24AAA	35/40/45	280 x 40 x 21	220 ~ 240	20.0~31.0	630/700/770	85%	<20%	2	DALI	VDE,CE,ENEC
STIFP227040ZD24AAA	35/40/45	280 x 40 x 21	220 ~ 240	20.0~31.0	630/700/770	85%	<20%	2	0-10	VDE,CE,ENEC

Ambient Light Engine Finger Type

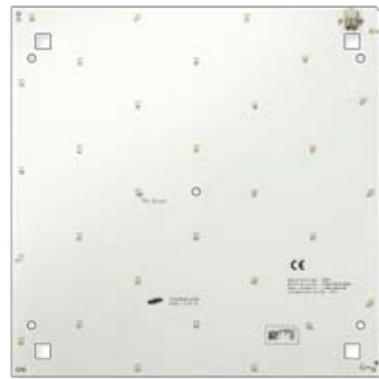
Finger Type Module

Model Name	Product Outline
Finer-SQ64B	
Finer-SQ32A Finger-RT32A	

Finger Type Engine Driver

Model Name	Product Outline
STIFP227040DL24AAA STIFP227040ZD24AAA	

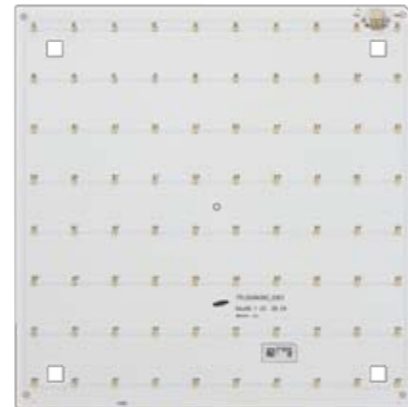
Ambient Light Engine Tile Type



Tile-SQ32A



Tile-RT32A



Tile-SQ80A

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 connector)	Tile-SQ32A	STIFMW8304501POSQU	1050			114		3000						
		STIFMW8354501POSQU	1070			116		3500						
		STIFMW8404501POSQU	1090	9.2	24.0	119	80+	4000	120	250x250x1.6	-20[°C]~+60[°C]	50,000	CE, UL	
		STIFMW8504501POSQU	1130			122		5000						
		STIFMW8654501POSQU	1120			121		6500						
	Tile-RT32A	STIFMW8304502POSQU	1050			114		3000						
		STIFMW8354502POSQU	1070			116		3500						
		STIFMW8404502POSQU	1090	9.2	24.0	119	80+	4000	120	216x280x1.6	-20[°C]~+60[°C]	50,000	CE, UL	
		STIFMW8504502POSQU	1130			122		5000						
		STIFMW8654502POSQU	1120			121		6500						

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	
PU (Push-up connector)	Tile-SQ32A	STIFMW8304501PUSQU	1050			114		3000						
		STIFMW8354501PUSQU	1070			116		3500						
		STIFMW8404501PUSQU	1090	9.2	24.0	119	80+	4000	120	250x250x1.6	-20[°C]~+60[°C]	50,000	CE, UL	
		STIFMW8504501PUSQU	1130			122		5000						
		STIFMW8654501PUSQU	1120			121		6500						
	Tile-RT32A	STIFMW8304502PUSQU	1050			114		3000						
		STIFMW8354502PUSQU	1070			116		3500						
		STIFMW8404502PUSQU	1090	9.2	24.0	119	80+	4000	120	216x280x1.6	-20[°C]~+60[°C]	50,000	CE, UL	
		STIFMW8504502PUSQU	1130			122		5000						
		STIFMW8654502PUSQU	1120			121		6500						
PO (Poke-in connector)	Tile-RT80A	STIFMW830102100AAA	1280			120		3000						
		STIFMW840102100AAA	1350	10.6	30.0	129	80+	5000	120	259x259x1.6	-20[°C]~+60[°C]	50,000	CE, UL	

Tile Type Engine Driver

Model name	Power Consumption (W)	Size (mm)	Input Voltage (V)	Output Voltage (V)	Output Current/1ch (mA)	Efficacy	TBD	Channel	Dimming	Note
STIFP227040DL24AAA	35/40/45	280 × 40 × 21	220 ~ 240	20.0~31.0	630/700/770	85%	<20%	2	DALI	VDE,CE,ENEC
STIFP227040ZD24AAA	35/40/45	280 × 40 × 21	220 ~ 240	20.0~31.0	630/700/770	85%	<20%	2	0-10	VDE,CE,ENEC

Ambient Light Engine Tile Type

Tile Type Module

Model Name	Product Outline
<p>Tile-SQ32A Tile-RT32A</p>	
<p>Tile-SQ80A</p>	

Tile Type Engine Driver

Model Name	Product Outline
<p>STIFP227040DL24AAA STIFP227040ZD24AAA</p>	

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[°C]~+50[°C]	50,000
	STIDMW840042112AAA	510			121							
Round-90B	STIDMW830082112AAA	905	8.4	24	108	80	3000	Φ90x5.7	115	23	-30[°C]~+50[°C]	50,000
	STIDMW840082112AAA	1,030			123							
Round-130B	STIDMW830112112AAA	1,240	11.6	33	107	80	3000	Φ130x5.7	115	35	-30[°C]~+50[°C]	50,000
	STIDMW840112112AAA	1,390			120							

Model Name	Product Outline
Round-62B	<p>Technical drawing of Round-62B downlight engine. Top view shows a circular layout with diameters of 62, 41.6, and 19.8 mm. It includes a Tc Point, a beam angle of 115°, and various internal dimensions such as 8.45°, 18.22°, 25.4, 22.4, 14, 7.5, 2.35, 5.7, 2.56, 25°, and 33.15°. The side view shows a height of 1.65 mm and a diameter of 62 mm.</p>
Round-90B	<p>Technical drawing of Round-90B downlight engine. Top view shows a circular layout with diameters of 90, 67.5, 45.5, and 22.8 mm. It includes a Tc Point, a beam angle of 115°, and various internal dimensions such as 8.45°, 18.22°, 24.15°, 39.8, 16.22°, 38, 14, 7.5, 2.35, 5.7, 2.38°, 2.80°, and 2.33°. The side view shows a height of 1.65 mm and a diameter of 90 mm.</p>
Round-130B	<p>Technical drawing of Round-130B downlight engine. Top view shows a circular layout with diameters of 130, 107, 80.7, 53.8, and 26.9 mm. It includes a Tc Point, a beam angle of 115°, and various internal dimensions such as 7.51°, 14.25°, 139.5, 21.17°, 21.14, 21.15, 59, 14, 7.5, 2.35, 5.7, 2.32°, 2.37°, and 2.37°. The side view shows a height of 1.65 mm and a diameter of 130 mm.</p>

Model Name	Radial Distribution / Conical Illuminance	Iso-illuminance Curve
Round-62B	<p>Radial distribution diagram for Round-62B. The diagram shows a semi-circular grid with a beam angle of 115°. The radial axis represents illuminance in lux, with values of 160, 120, 80, and 40. The vertical axis represents distance in meters (0.50, 1.00, 2.00). The horizontal axis represents beam angle in degrees (90°, 60°, 30°, 0°, 30°, 60°, 90°).</p>	<p>Iso-illuminance curve for Round-62B. The diagram shows a yellow cone of light with a beam angle of 115°. The vertical axis represents distance in meters (0.50, 1.00, 2.00). The horizontal axis represents illuminance in lux. The maximum illuminance (Max lux) is 705.5 at 0.50m and 189 at 1.00m. The minimum illuminance (Min lux) is 44 at 2.00m.</p>
Round-90B	<p>Radial distribution diagram for Round-90B. The diagram shows a semi-circular grid with a beam angle of 115°. The radial axis represents illuminance in lux, with values of 400, 300, 200, and 100. The vertical axis represents distance in meters (0.50, 1.00, 2.00). The horizontal axis represents beam angle in degrees (90°, 60°, 30°, 0°, 30°, 60°, 90°).</p>	<p>Iso-illuminance curve for Round-90B. The diagram shows a yellow cone of light with a beam angle of 115°. The vertical axis represents distance in meters (0.50, 1.00, 2.00). The horizontal axis represents illuminance in lux. The maximum illuminance (Max lux) is 1376 at 0.50m and 369.5 at 1.00m. The minimum illuminance (Min lux) is 86 at 2.00m.</p>
Round-130B	<p>Radial distribution diagram for Round-130B. The diagram shows a semi-circular grid with a beam angle of 115°. The radial axis represents illuminance in lux, with values of 500, 400, 300, and 200. The vertical axis represents distance in meters (0.50, 1.00, 2.00). The horizontal axis represents beam angle in degrees (90°, 60°, 30°, 0°, 30°, 60°, 90°).</p>	<p>Iso-illuminance curve for Round-130B. The diagram shows a yellow cone of light with a beam angle of 115°. The vertical axis represents distance in meters (0.50, 1.00, 2.00). The horizontal axis represents illuminance in lux. The maximum illuminance (Max lux) is 1893 at 0.50m and 531 at 1.00m. The minimum illuminance (Min lux) is 76 at 2.00m.</p>

The High Lumen Engine's easy-to-use modular design

with various lumen packages, combined with IP66 certified durability, makes it the smart choice for use in the harshest of environments.



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		3000	80+	71					
	STOPMW840250V2SE31	1,622	21.7	4000	80+	76	280x12	-	IP66	-30[°C]~+70[°C]	0.9
	STOPMW757252V2SE31	1,880		5700	70+	88					
Type 2-M1	STOPMWD50252V7ME31	1,800	21.7	5000	70+	84	280x12	-	IP66	-30[°C]~+70[°C]	0.9
BA 85 (Floodlight)	STOPMW840250V85E31	1,730	21.7	4000	80+	81	280x12	-	IP66	-30[°C]~+70[°C]	0.9
	STOPMW757252V85E31	1,990		5700	70+	93					

Applications

Security Lighting
Street Lighting

Indoor & Outdoor Flood Lighting
High-bay Lighting



Street Lighting



Flood Lighting



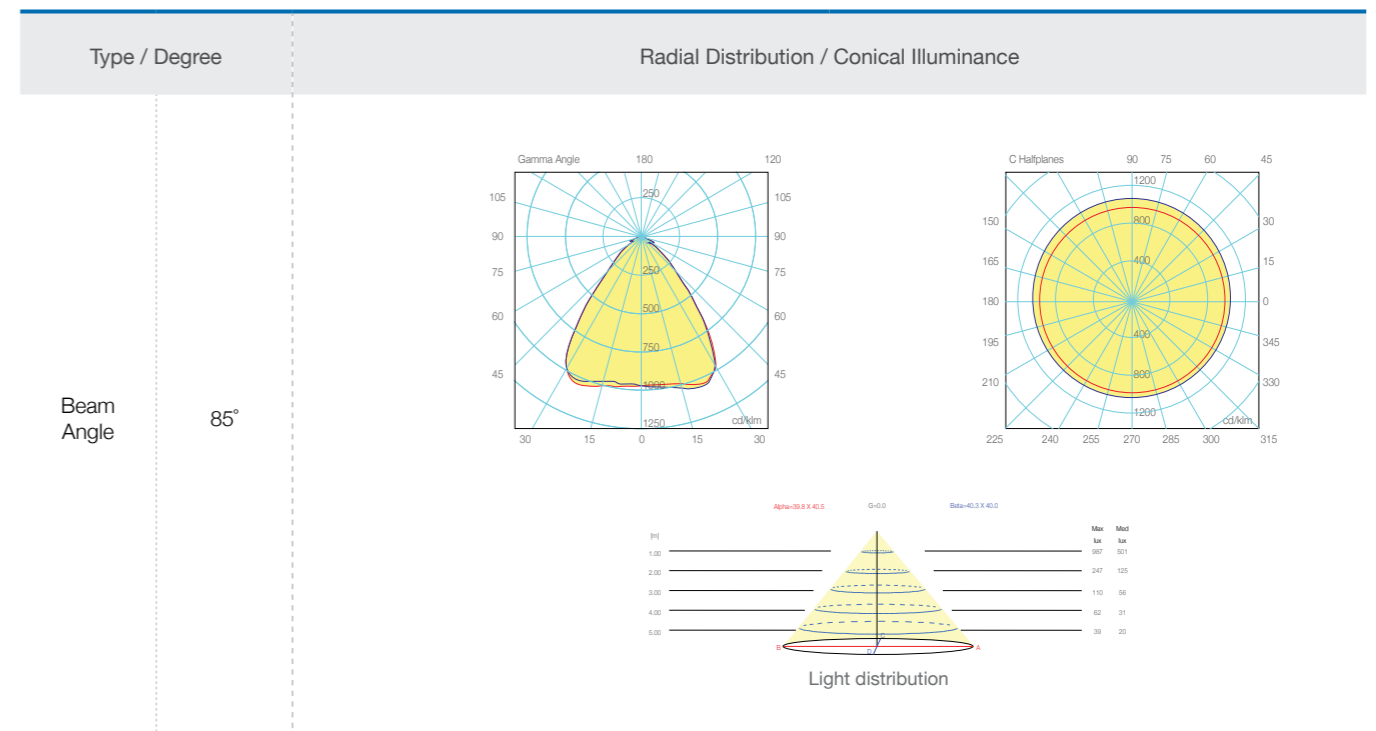
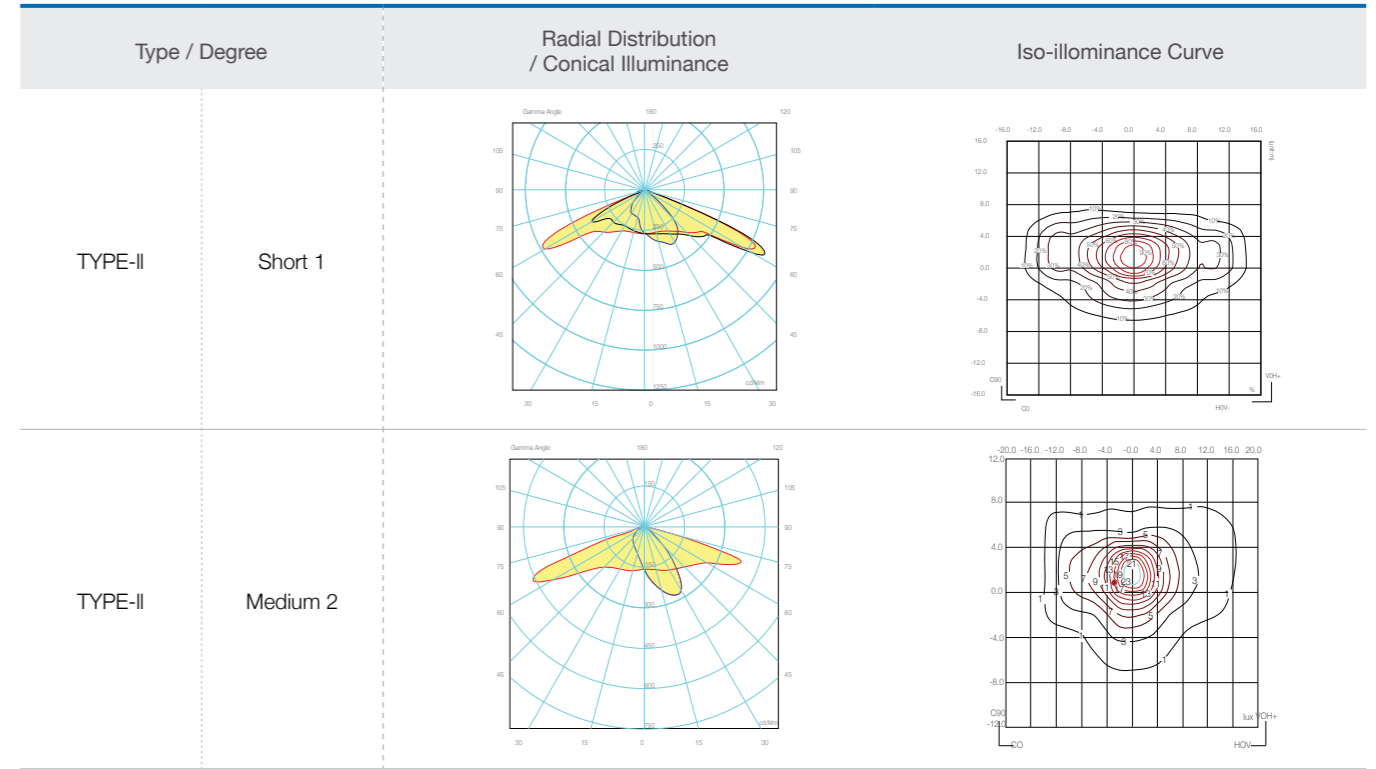
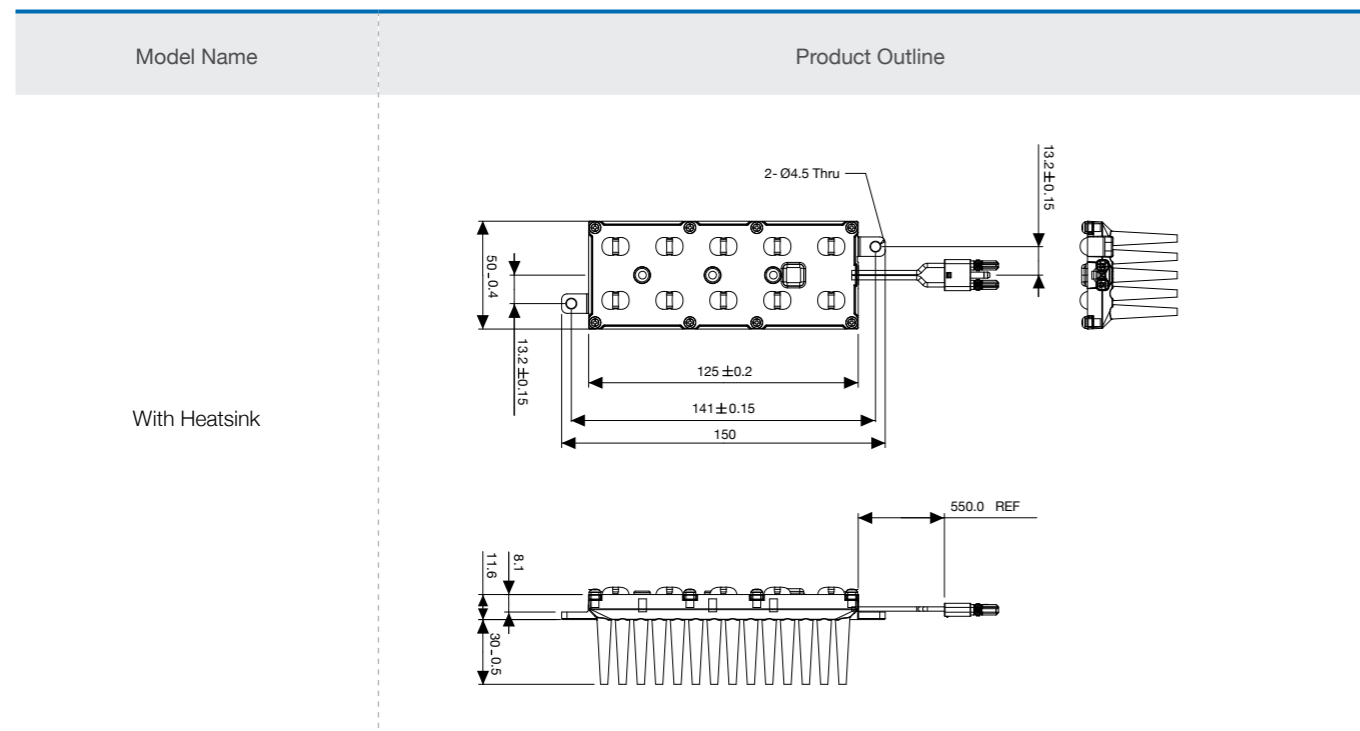
High-bay Lighting

High Lumen Engine Modular Light Engine

Modular Light Engine Driver

• Dimming : 0 to 10

Model name	Type	Power Consumption (W)	Size (mm)	Input Voltage (V)	Output Voltage (V)	Output Current /1ch (A)	Efficacy	THD	Channel	Classification	Note	Waterproof /Dustproof Grade
STOOPF17025Z032S00	Independent Type	25	196x70x33.1		28.0~34.0	0.7	75%					IP67
STOOPF21450Z032S00	Independent Type	50	196x70x33.1	100~240	28.0~36.0	1.4	85%	< 20%	1	Class II	CE, KC	IP67
STOOPF22175Z032S00	Independent Type	75	196x70x33.1		28.0~36.0	2.1	85%					IP67
STOOPF214A0Z032S00	Independent Type	100	258x102.6x38.0		28.0~36.0	1.4	85%					IP66
STOOPF214A0Z032S01	Built-in Type	100	258x102.6x38.0	100~240	28.0~36.0	1.4	85%					-
STOOPF221A5Z032S00	Independent Type	150	258x102.6x38.0		28.0~36.0	2.1	85%	< 20%	2	Class I	CE, KC	IP66
STOOPF221A5Z032S01	Built-in Type	150	258x102.6x38.0		28.0~36.0	2.1	85%					-
STOOP2228B0Z032STD	Independent Type	200	258x102.6x38.0	200~240	28.0~36.0	2.8	85%					IP66



High Lumen Engine

Array 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

Applications

INDOOR LIGHTING

High-bay Lighting



High-bay Lighting

OUTDOOR LIGHTING

Security Lighting
Street Lighting



Security Lighting



Street Lighting

The High Lumen Engine's easy-to-use modular design

with various lumen packages, combined with IP66-certified durability,
makes it the smart choice for use in the harshest of environments

High Lumen Engine Array Light Engine

Array Light Module

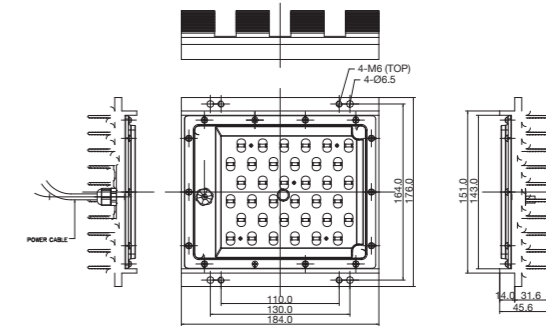
Type	Model name	Luminous Flux	Power consumption (W)	CCT	CRI	Efficacy	Weight(g)	Lifetime	Waterproof/Dustproof Grade	Temperature Range	Power factor
Type 2-S1	STOIMW750558I2SE31	4,500	55	5,000	70+	96	1100x4	-	IP66	-40[°C]~+85[°C]	0.9
Type 2-S2	STOIMW750809I7SE31	6,800	83	5,000	70+	97	1660x4	-	IP66	-40[°C]~+85[°C]	0.9
Type 5-M1	STOIMW750558I5ME31	4,500	55	5,000	70+	93	1100x4	-	IP66	-40[°C]~+85[°C]	0.9
	STOIMW750809I5ME31	6,800	83	5,000		90	1660*4				
BA 65 (Floodlight)	STOIMW750809I65E31	6,800		5,000		77	1660x4				
	STOIMW750809I65A31	6,040	83	5,000	70+	77	1660x4	-	IP66	-40[°C]~+85[°C]	0.9
	STOIMW757809I65A31	6,040		5,700		77	1660x4				
	STOIMW757809I65E31	6,800		5,700		77	1660x4				
BA 120 (Floodlight)	STOIMW750809IC0E31	6,800		5,000	70+	98	1660x4				
	STOIMW757809IC0E31	6,800	83	5,700		77	1660x4	-	IP66	-40[°C]~+85[°C]	0.9

Array Light Engine Driver

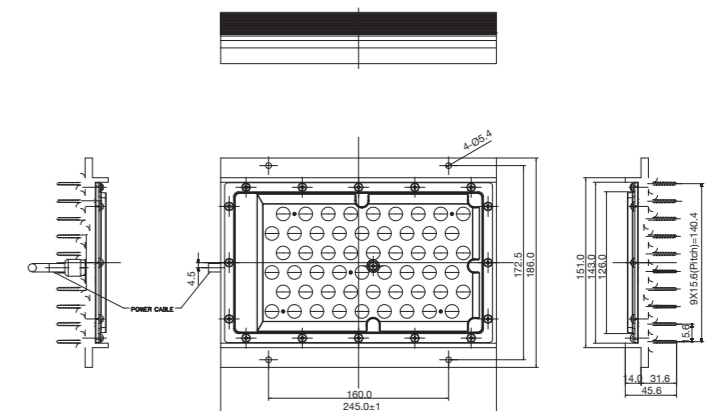
Model name	Type	Power Consumption (W)	Size (mm)	Input Voltage (V)	Output Voltage (V)	Output Current /1ch (mA)	Efficacy	Channel	Dimming	Note
STOOPF19060Z058STD	Built-in Type	60	196x70x33.1			900	85%	1	0 to 10	CE, KC
STOOPF21390Z058STD	Built-in Type	90	196x70x33.1			1,350	87%	1	0 to 10	CE, KC
STOOPF21390Z058S02	Independent Type	90	196x70x33.1	100~240	52.0~64.0	1,350	87%	1	0 to 10	CE, KC
STOOPF190A2Z058STD	Independent Type	120	258x110x38			900	88%	2	0 to 10	CE, KC
STOOPF213A8Z058STD	Independent Type	180	258x110x38			1,350	88%	2	0 to 10	CE, KC
STOOPF213A8Z058S01	Built-in Type	180	258x110x38			1,350	88%	2	0 to 10	CE, KC

Model Name	Product Outline
------------	-----------------

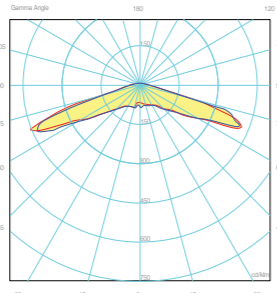
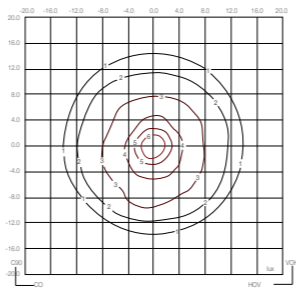
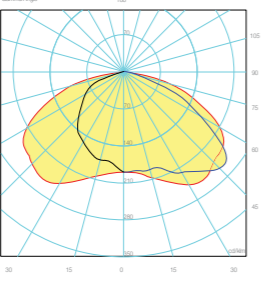
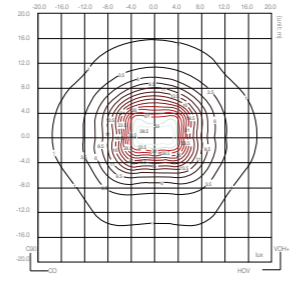
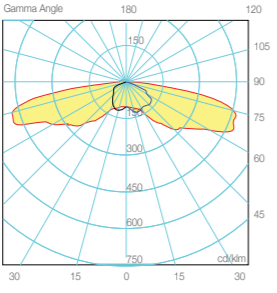
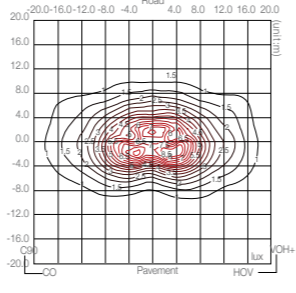
60W



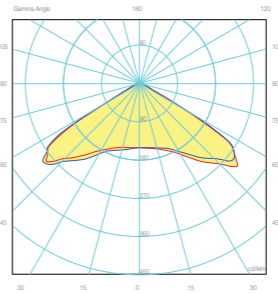
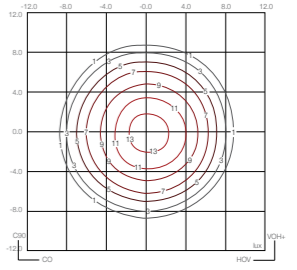
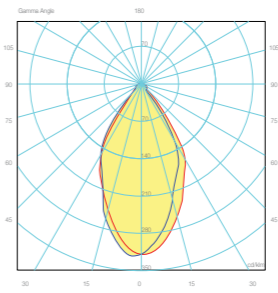
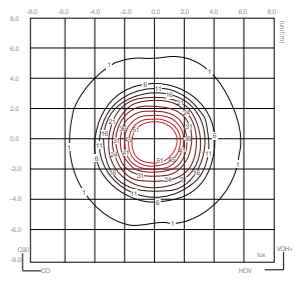
90W



High Lumen Engine Array Light Engine

Model Name	Radial Distribution / Conical Illuminance	Iso-illuminance Curve
TYPE-V (M)		
TYPE-II (S1)		
TYPE-II (S2)		

*cd / km Installation height : in the case of 6 m

Model Name	Radial Distribution / Conical Illuminance	Iso-illuminance Curve
Beam Angle 120°		
Beam Angle 65°		

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[°C]~+60[°C]	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[°C]~+60[°C]	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[°C]~+60[°C]	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[°C]~+60[°C]	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[°C]~+60[°C]	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[°C]~+60[°C]	50,000	CE,UL
	STILMW835070127AAA	890					3500					
	STILMW840070127AAA	900					4000					
	STILMW850070127AAA	910					5000					
LT-W292A	STILMW830080129AAA	990	8.1	29.0	120	80	3000	115	292x25x1.2	-20[°C]~+60[°C]	50,000	CE,UL
	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)	Output Current/1ch (mA)	Efficacy	TBD	Channel	Dimming	Note
STIFP227040DL24AAA	35/40/45	280 x 40 x 21	220 ~ 240	20.0~31.0	630/700/770	85%	<20%	2	DALI	VDE,CE,ENEC
STIFP227040ZD24AAA	35/40/45	280 x 40 x 21	220 ~ 240	20.0~31.0	630/700/770	85%	<20%	2	0-10	VDE,CE,ENEC

Light Engine Full Lineup

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	107.1	80	3000	Φ62x5.7	115	11	-30[°C]~+50[°C]	50,000
	STIDMW840042112AAA	510			121.4		4000					
Round-90B	STIDMW830082112AAA	905	8.4	24	107.7	80	3000	Φ90x5.7	115	23	-30[°C]~+50[°C]	50,000
	STIDMW840082112AAA	1,030			122.6		4000					
Round-130B	STIDMW830112112AAA	1,240	11.6	33	106.9	80	3000	Φ130x5.7	115	35	-30[°C]~+50[°C]	50,000
	STIDMW840112112AAA	1,390			119.8		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[°C]~+70[°C]	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[°C]~+70[°C]	0.9
BA 85 (Floodlight)	STOPMW840250V85E31	1,730	21.7	4000	80+	81	280x12	-	IP66	-30[°C]~+70[°C]	0.9
	STOPMW757252V85E31	1,990		5700	70+	93					

Modular Light Engine Driver

• Dimming : 0 to 10

Model name	Type	Power Consumption (W)	Size (mm)	Input Voltage (V)	Output Voltage (V)	Output Current /1ch (A)	Efficacy	THD	Channel	Classification	Note	Waterproof /Dustproof Grade
STOOPF17025Z032S00	Independent Type	25	196x70x33.1		28.0~34.0	0.7	75%					IP67
STOOPF21450Z032S00	Independent Type	50	196x70x33.1	100~240	28.0~36.0	1.4	85%	< 20%	1	Class II	CE, KC	IP67
STOOPF22175Z032S00	Independent Type	75	196x70x33.1		28.0~36.0	2.1	85%					IP67
STOOPF214A0Z032S00	Independent Type	100	258x102.6x38.0		28.0~36.0	1.4	85%					IP66
STOOPF214A0Z032S01	Built-in Type	100	258x102.6x38.0	100~240	28.0~36.0	1.4	85%					-
STOOPF221A5Z032S00	Independent Type	150	258x102.6x38.0		28.0~36.0	2.1	85%	< 20%	2	Class I	CE, KC	IP66
STOOPF221A5Z032S01	Built-in Type	150	258x102.6x38.0		28.0~36.0	2.1	85%					-
STOOP2228B0Z032STD	Independent Type	200	258x102.6x38.0	200~240	28.0~36.0	2.8	85%					IP66

Array Light Engine

Type	Model name	Luminous Flux	Power consumption (W)	CCT	CRI	Efficacy	Weight(g)	Lifetime	Waterproof/Dustproof Grade	Temperature Range	Power factor
Type 2-S1	STOIMW750558I2SE31	4,500	55	5,000	70+	96	1100x4	-	IP66	-40[°C]~+85[°C]	0.9
Type 2-S2	STOIMW750809I7SE31	6,800	83	5,000	70+	97	1660x4	-	IP66	-40[°C]~+85[°C]	0.9
Type 5-M1	STOIMW750558I5ME31	4,500	55	5,000	70+	93	1100x4	-	IP66	-40[°C]~+85[°C]	0.9
	STOIMW750809I5ME31	6,800	83	5,000		90	1660*4				
BA 65 (Floodlight)	STOIMW750809I65E31	6,800	83	5,000	70+	77	1660x4	-	IP66	-40[°C]~+85[°C]	0.9
	STOIMW750809I65A31	6,040		5,000		77	1660x4				
	STOIMW757809I65A31	6,040		5,700		77	1660x4				
	STOIMW757809I65E31	6,800		5,700		77	1660x4				
BA 120 (Floodlight)	STOIMW750809IC0E31	6,800	83	5,000	70+	98	1660x4	-	IP66	-40[°C]~+85[°C]	0.9
	STOIMW757809IC0E31	6,800		5,700		77	1660x4				

Array Light Engine Driver

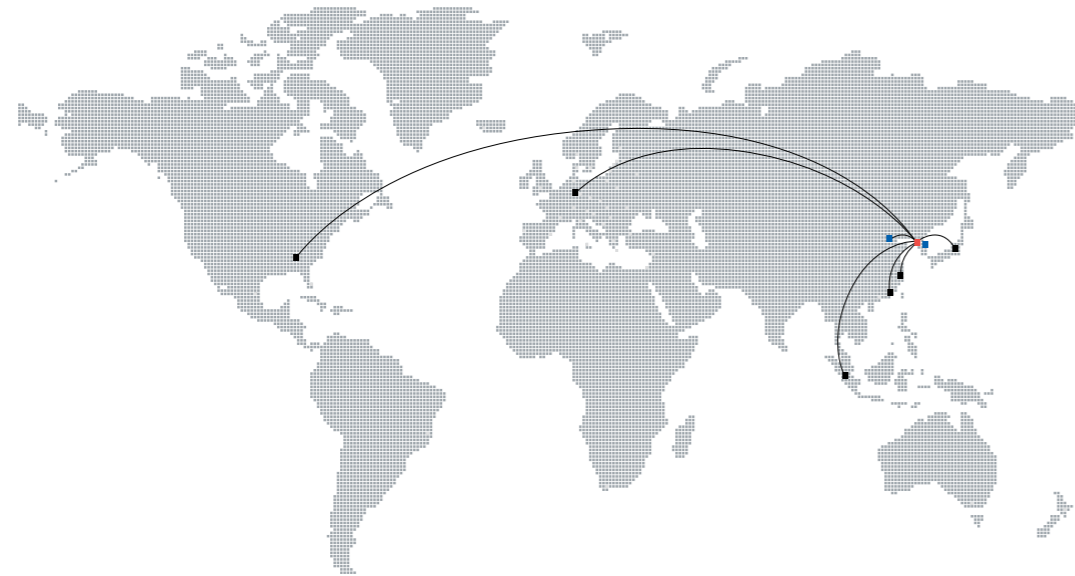
Model name	Type	Power Consumption (W)	Size (mm)	Input Voltage (V)	Output Voltage (V)	Output Current /1ch (mA)	Efficacy	Channel	Dimming	Note
STOOPF19060Z058STD	Built-in Type	60	196x70x33.1			900	85%	1	0 to 10	CE, KC
STOOPF21390Z058STD	Built-in Type	90	196x70x33.1			1,350	87%	1	0 to 10	CE, KC
STOOPF21390Z058S02	Independent Type	90	196x70x33.1	100~240	52.0~64.0	1,350	87%	1	0 to 10	CE, KC
STOOPF190A2Z058STD	Independent Type	120	258x110x38			900	88%	2	0 to 10	CE, KC
STOOPF213A8Z058STD	Independent Type	180	258x110x38			1,350	88%	2	0 to 10	CE, KC
STOOPF213A8Z058S01	Built-in Type	180	258x110x38			1,350	88%	2	0 to 10	CE, KC

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

Tianjin Office in China

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

■ Overseas sales branch

Korea

Samsung Electronics
446-711 95Samsung2ro,
Giheung-Gu, Yongin-City,
Gyeonggi-Do, Korea
TEL. +82-31-8021-3231

46/F, New World Center, Yitian Rd,
Futian District, Shenzhen,
China, 518026
TEL. +86-755-8608-5547

Southeast Asia

Samsung Asia Pte. Ltd.,
3 Church
Street #26-01/02 Samsung
Hub
Singapore 049483
TEL. +86-21-5258-2211

Europe

Samsung Semiconductor Europe
GmbH, 65760 Kolner Strasse 12,
Eschborn Germany
TEL. +49-(0)6160 660

China

(200051) 20/21F Building B#,
SOHO Zhongshan Plaza,
No 1065, Zhongshan Road(W),
Shanghai, China
TEL. +86-21-2325-3742

Japan

10F, Shinagawa Grand Central
Tower, 2-16-4 Konan, Minati-ku,
Tokyo, 108-8240, Japan
TEL. +81-3-6369-6267

US

3655 N. First Street
San Jose, CA, USA 95134
TEL. +1-408-544-4000

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [LED Replacement Lamps - Based LEDs](#) category:

Click to view products by [Samsung](#) manufacturer:

Other Similar products are found below :

[5855325F](#) [586-0001-801F](#) [586-0001-805F](#) [586-1A01-101F](#) [LAPD-1A](#) [LAPD-1R](#) [LAPD-2R](#) [LAPD-6W](#) [LE-4MF-12R](#) [SSP-1156B153S12](#)
[SSP-1157B156U12](#) [SSP-13MB152UP12G](#) [SSP-3MB93S12G](#) [SSP-4SE103S12G](#) [SSP-4SE106U12G](#) [SSP-D29E10SUGC-12V](#) [558521-1](#) [560-0101F](#) [560-0103F](#) [LAPD-1W](#) [LAPD-6R](#) [LE-4MF-12Y](#) [585-1115F](#) [560-0104F](#) [585-1113](#) [585-1113F](#) [586-2706-220F](#) [586-6403-206F](#)
[MGRG812D](#) [585-1223F](#) [SSP-D29E10SIC-12V](#) [SSP-4SE102UP12G](#) [SSP-3MB96U12G](#) [SSP-24MDB156U12G](#) [SSP-24MDB152UP12G](#) [SSP-24MB153S12G](#) [SSP-1156B157U12](#) [A22NZ-L-AB](#) [586-1A02-101F](#) [585-1413F](#) [SLL-05EY](#) [A22NZ-L-AE](#) [A22NZ-L-OC](#) [586-1A05-101F](#)
[560-0203F](#) [586-2206-205F](#) [SSP-LXS1826U16A](#) [1835LS3-W-CW](#) [A22NZ-L-GB](#) [MS200-NFW2](#)