

Legal and additional information.

About Samsung Electronics Co., Ltd.

Samsung Electronics Co., Ltd. inspires the world and shapes the future with transformative ideas and technologies, redefining the worlds of TVs, smartphones, wearable devices, tablets, cameras, digital appliances, printers, medical equipment, network systems and semiconductors.

We are also leading in the Internet of Things space through, among others, our Digital Health and Smart Home initiatives. We employ 307,000 people across 83 countries. To discover more, please visit our official website at www.samsung.com and our official blog at global.samsungtomorrow.com.

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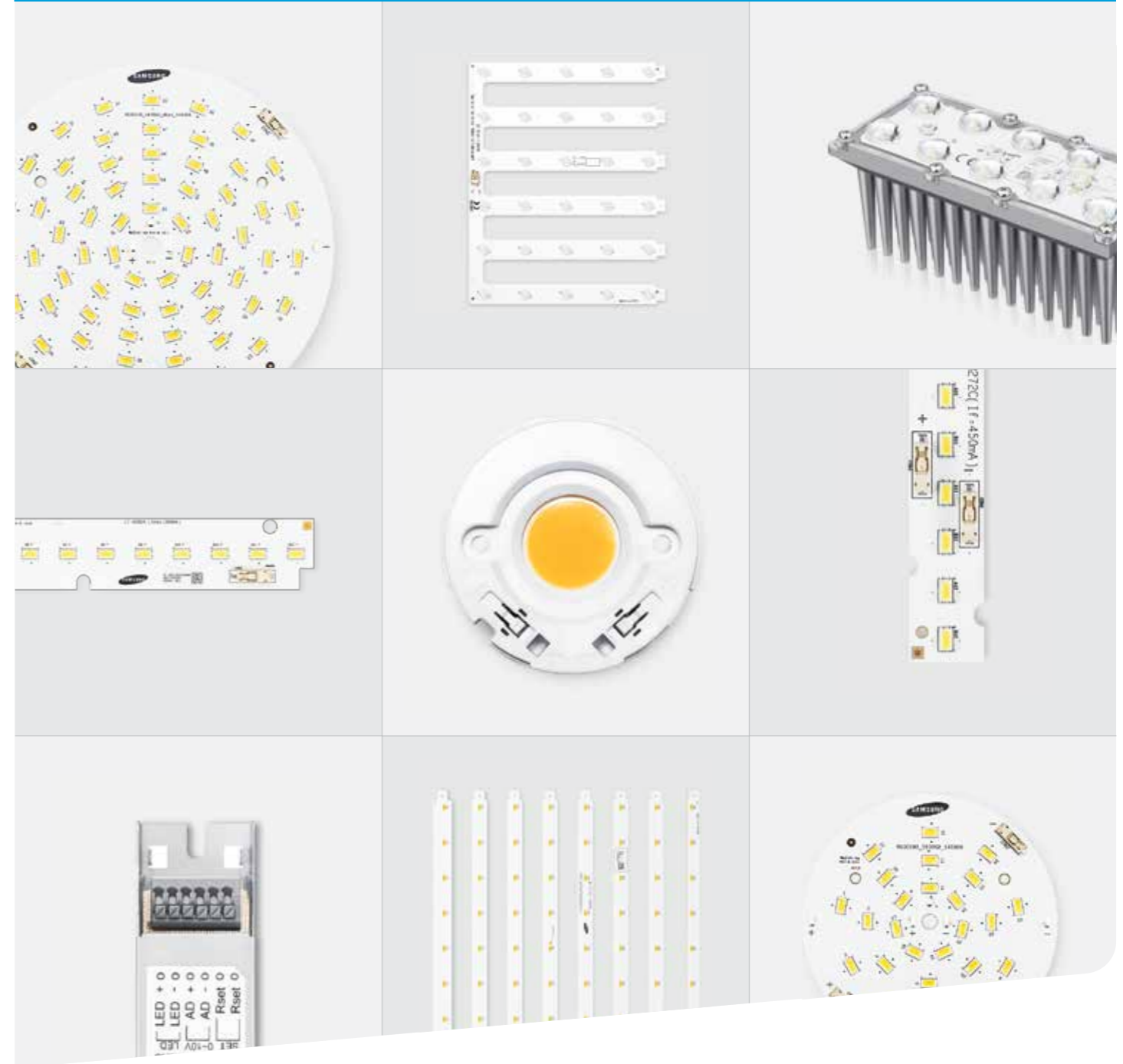
www.samsungled.com

SAMSUNG

Rev.3.0 Jun.2015

Samsung LED Engine

The best solution for luminaires



SAMSUNG

Overview & Performance

Samsung Electronics Co., Ltd. is a global leader in consumer electronics and the core components that go into them.

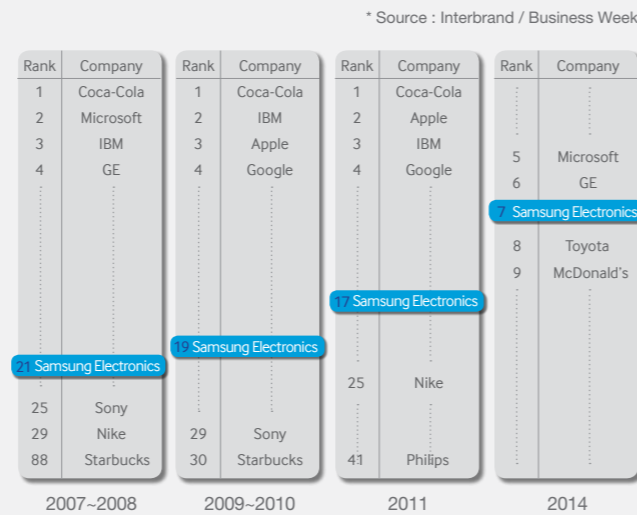
Overview

Samsung's global network extends across the world where the creativity, expertise and diverse perspectives of employees are helping to drive growth.



Brand Value

Rising in rank from its No. 17 position in 2011, Samsung recorded a brand value of \$45.5 Billion in 2014, a 94% increase compared to 2011 \$23.4 billion.

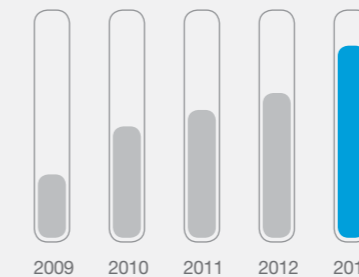


Samsung aspires to create new technologies and innovative products that inspire the world, while delivering new value to enhance the lives of customers, partners and employees.

Intellectual Property

In 2013, Samsung registered 5,946 new patents at the U.S. Patent & Trade Office. This placed it as the second-highest U.S. patent winner, a position it has held for the past six consecutive years.

Samsung Patents (U.S.)

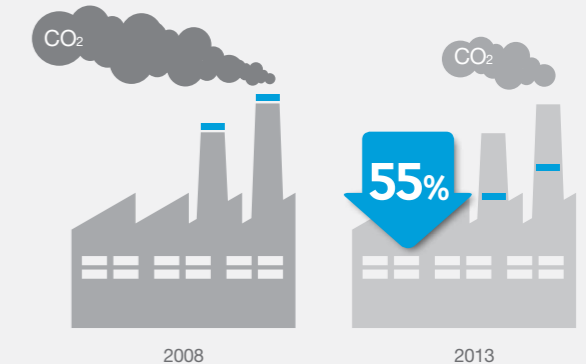


Top Patent Holders (U.S.)



Sustainability

Samsung Electronics cares greatly about the environment and strives to make a positive impact. These efforts have led to a 55% reduction in greenhouse gas emissions from its factories in 2013 compared to the 2008 baseline. In addition, Samsung's products are also making a difference with 3,285 product models being certified with globally recognized eco-marks in 2013.



Smart, Connected Illumination

Innovative platform solutions for the world of IoT

Smart Lighting Platform

Smart Cities & Smart Buildings



- Platform-based design to enable easy and fast development and **accelerated realization of smart lighting system**
- Flexible choice of building blocks to fit into the business model of lighting OEMs depending on their use cases



LED Module

Smart Lighting Hub

Smart Lighting Ecosystem



Flicker-free ACOM LED Downlight Engine

Using advanced integrated circuits (ICs)

Driver-less

30%

creating more value of the system



DC Moudule

Samsung ACOM

Samsung Flicker-free ACOM LED Downlight Engines feature a compact design using special advanced integrated circuits (ICs) having a smaller size of electrolytic capacitors.

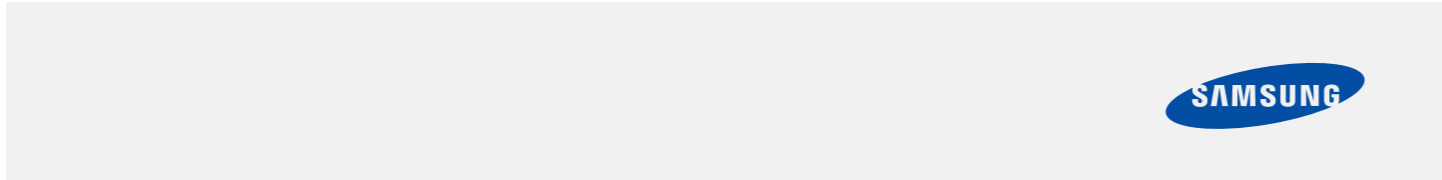
It was hard to meet the flicker regulations with the conventional AC driven engines. The new ACOM engine offers the 'Percent Flicker' lower than 30%, satisfying the flicker-free requirement that is generally accepted in the industry.

Moreover, the Samsung ACOM reduces manufacturing costs for lighting fixtures compared with conventional DC solutions while maintaining their outstanding light quality and superior performance.



W55mm x D55mm x H11mm
(13g)

Ambient Light | Linear Platform Module

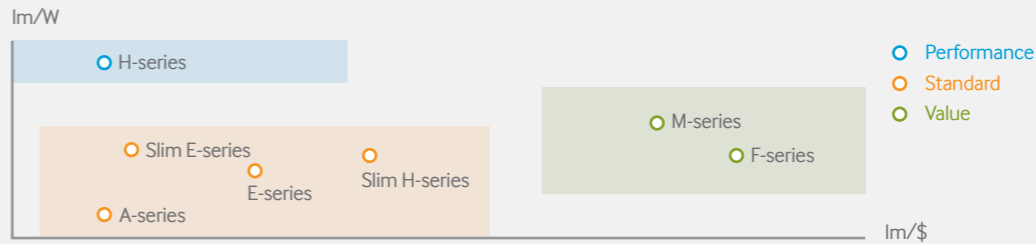


Ambient Light | Linear Platform Module

Application Requirements

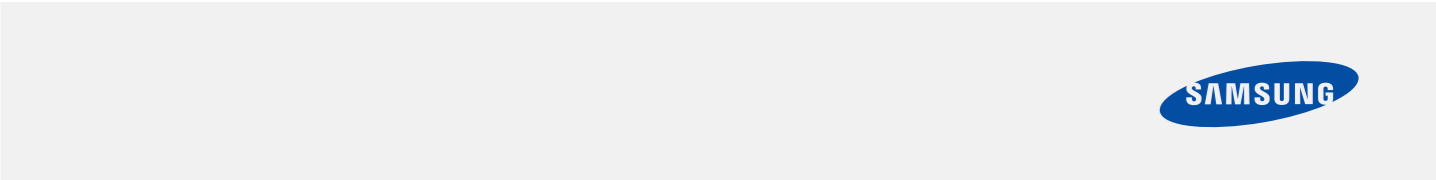
- High luminous efficacy for reduced electricity costs
- Uniform light distribution for a high level of visual comfort
- Ideal for dimming

Related Products



Class	Product	Key Feature	Efficacy (lm/W)	Cost Efficiency (lm/\$)	Width (mm)
Performance	H-series	<ul style="list-style-type: none"> Designed following Zhaga Standard L56W4 & L28W4 High efficacy up to 161 lm/W 			40
	E-series	<ul style="list-style-type: none"> Designed following Zhaga Standard L56W4 & L28W4 Better lm/\$ up to 20% saving compared with H-series 			40
	Slim H-series	<ul style="list-style-type: none"> Designed following Zhaga Standard L56W2 & L28W2 2740 lm @ 560 mm Replace double 14~18 W T5/T8 			24
Standard	Slim E-series	<ul style="list-style-type: none"> Designed following Zhaga Standard L56W2 & L28W2 1500 lm @ 560 mm Replace 14~18W T5/T8 			24
	A-series	<ul style="list-style-type: none"> Good uniformity Slim design of OD (optical distance) ≥ 25mm 			21
	M-series	<ul style="list-style-type: none"> Easy Line-up Expansion by Platform Design Wide Lumen Coverage : 1500~2500 lm Better fitting by Narrow Width : 18mm 			18
Value	F-series	<ul style="list-style-type: none"> High lumen density : 4650 lm to replace 3~5 tubes Good efficacy up to 141 lm/W @5000 K High/Lowbay Application based on High reliable MPL 			18

LM-80 : Completed Certification : UL/cUL/CE/ENEC



Ambient Light | Linear Platform Module

With its modular construction, easy to use connections and best color consistency, the Linear Platform Module is the perfect alternative to fluorescent lamp.

- 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
- Zhaga compatible design ensures the Linear Platform Module is future proof

H-Series



Slim H-Series



Type	Luminous Flux (lm)	Power Consumption (W)	Input Voltage (V)	IF (mA)	I _{max} (mA)	Efficacy (lm/W)	CRI Min.	CCT (K)	Beam Angle (°)	Size (mm)	Temperature Range (°C)	Lifetime (hrs)	Certification	Model Name
LT-H072A	350	2.8	9.45	300	360	124	80	3000	115	70x24x5.8	-20~+50	50,000	ENEC, CE UL, cUL	SI-B8V031070WW
	360					126		3500						SI-B8U031070WW
	370					131		4000						SI-B8T031070WW
	380					134		5000						SI-B8R031070WW
LT-H282A	1,290	10.3	34.3	300	360	125	80	3000	115	280x24x5.8	-20~+50	50,000	ENEC, CE UL, cUL	SI-B8V102280WW
	1,310					127		3500						SI-B8U102280WW
	1,365					132		4000						SI-B8T102280WW
	1,390					135		5000						SI-B8R102280WW
LT-H284A	1,200	8.1	11.6	700	1,200	149	80	3000	115	280x40x5.95	-20~+70	50,000	ENEC, CE UL, cUL	SI-B8V08128001
	1,220					151		3500						SI-B8U08128001
	1,260					156		4000						SI-B8T08128001
	1,300					161		5000						SI-B8R08128001
LT-H562A	2,580	20.4	68.0	300	360	126	80	3000	115	560x24x5.8	-20~+50	50,000	ENEC, CE UL, cUL	SI-B8V201560WW
	2,620					128		3500						SI-B8U201560WW
	2,725					134		4000						SI-B8T201560WW
	2,785					136		5000						SI-B8R201560WW
LT-H564A	2,400	16.2	23.2	700	1,200	149	80	3000	115	560x40x5.95	-20~+70	50,000	ENEC, CE UL, cUL	SI-B8V16156001
	2,440					151		3500						SI-B8U16156001
	2,520					156		4000						SI-B8T16156001
	2,600					161		5000						SI-B8R16156001



E-Series



Slim E-Series



Type	Luminous Flux (lm)	Power Consumption (W)	Input Voltage (V)	IF (mA)	I _{max} (mA)	Efficacy (lm/W)	CRI Min.	CCT (K)	Beam Angle (°)	Size (mm)	Temperature Range (°C)	Lifetime (hrs)	Certification	Model Name
LT-E072A	235	1.9	6.3	300	360	124	80	3000	115	70x24x5.8	-20~+50	50,000	ENEC, CE UL, cUL	SI-B8V021070WW
	240					126		3500						SI-B8U021070WW
	250					131		4000						SI-B8T021070WW
	255					134		5000						SI-B8R021070WW
LT-E282A	705	5.6	18.7	300	360	125	80	3000	115	280x24x5.8	-20~+50	50,000	ENEC, CE UL, cUL	SI-B8V061280WW
	715					127		3500						SI-B8U061280WW
	745					132		4000						SI-B8T061280WW
	760					135		5000						SI-B8R061280WW
LT-E284A	1,100	8.5	12.1	700	750	130	80	3000	115	280x40x5.95	-20~+70	50,000	ENEC, CE UL, cUL	SI-B8V08228001
	1,120					132		3500						SI-B8U08228001
	1,150					136		4000						SI-B8T08228001
	1,190					140		5000						SI-B8R08228001
LT-E562A	1407	11.2	37.4	300	360	126	80	3000	115	560x24x5.8	-20~+50	50,000	ENEC, CE UL, cUL	SI-B8V112560WW
	1429					128		3500						SI-B8U112560WW
	1487					134		4000						SI-B8T112560WW
	1518					136		5000						SI-B8R112560WW
LT-E564A	2,200	17.0	24.3	700	750	130	80	3000	115	560x40x5.95	-20~+70	50,000	ENEC, CE UL, cUL	SI-B8V16256001
	2,240					132		3500						SI-B8U16256001
	2,300					136		4000						SI-B8T16256001
	2,380					140		5000						SI-B8R16256001

Linear LAM

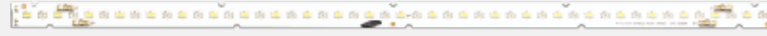


Type	Luminous Flux (lm)	Power Consumption (W)	Input Voltage (V)	IF (mA)	I _{max} (mA)	Efficacy (lm/W)	CRI Min.	CCT (K)	Beam Angle (°)	Size (mm)	Temperature Range (°C)	Lifetime (hrs)	Certification	Model Name
LT-A302A	880	7.6	12.7	600	-	116	80	2700	145	295x21x6.0	-30~+50	50,000	ENEC, CE UL, cUL	SI-B8W071300WW
	890					117		3000						SI-B8V071300WW
	910					120		3500						SI-B8U071300WW
	940					124		4000						SI-B8T071300WW
	970					128		5000						SI-B8R071300WW



Ambient Light | Linear Platform Module

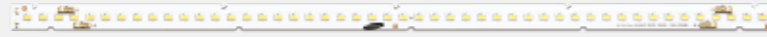
M-Series



LT-M552A / LT-M562A / LT-M552F / LT-M562F



LT-M552B / LT-M562B / LT-M552G / LT-M562G

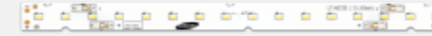


LT-M552C / LT-M562C / LT-M552H / LT-M562H

Type	Luminous Flux (lm)	Power Consumption (W)	Input Voltage (V)	IF (mA)	Imax (mA)	Efficacy (lm/W)	CRI Min.	CCT (K)	Beam Angle (°)	Size (mm)	Temperature Range (°C)	Lifetime (hrs)	Certification	Model Name
LT-M552A LT-M562A	1,460	11.1	24.7	450	450	132	80	3000	115	550x18x5.8 / 560x18x5.8	-20~+70	50,000	ENEC, CE UL, cUL	SI-B8V111550WW / SI-B8V111560WW
	1,480					133		3500						SI-B8U111550WW / SI-B8U111560WW
	1,530					138		4000						SI-B8T111550WW / SI-B8T111560WW
	1,580					142		5000						SI-B8R111550WW / SI-B8R111560WW
LT-M552B LT-M562B	1,950	14.8	24.7	600	600	132	80	3000	115	550x18x5.8 / 560x18x5.8	-20~+70	50,000	ENEC, CE UL, cUL	SI-B8V151550WW / SI-B8V151560WW
	1,970					133		3500						SI-B8U151550WW / SI-B8U151560WW
	2,040					138		4000						SI-B8T151550WW / SI-B8T151560WW
	2,100					142		5000						SI-B8R151550WW / SI-B8R151560WW
LT-M552C LT-M562C	2,350	16.8	24.0	700	900	140	80	3000	115	550x18x5.8 / 560x18x5.8	-20~+70	50,000	ENEC, CE UL, cUL	SI-B8V171550WW / SI-B8V171560WW
	2,390					142		3500						SI-B8U171550WW / SI-B8U171560WW
	2,460					146		4000						SI-B8T171550WW / SI-B8T171560WW
	2,530					151		5000						SI-B8R171550WW / SI-B8R171560WW
LT-M552F LT-M562F	1,020	11.1	24.7	450	450	92	90	2700	115	550x18x5.8 / 560x18x5.8	-20~+70	50,000	ENEC, CE UL, cUL	SI-B9W111550WW / SI-B9W111560WW
	1,050					95		3000						SI-B9V111550WW / SI-B9V111560WW
	1,120					101		3500						SI-B9U111550WW / SI-B9U111560WW
	1,170					105		4000						SI-B9T111550WW / SI-B9T111560WW
LT-M552G LT-M562G	1,350	14.8	24.7	600	600	91	90	2700	115	550x18x5.8 / 560x18x5.8	-20~+70	50,000	ENEC, CE UL, cUL	SI-B9W151550WW / SI-B9W151560WW
	1,380					93		3000						SI-B9V151550WW / SI-B9V151560WW
	1,480					100		3500						SI-B9U151550WW / SI-B9U151560WW
	1,550					105		4000						SI-B9T151550WW / SI-B9T151560WW
LT-M552H LT-M562H	1,660	16.8	24.0	700	900	99	90	2700	115	550x18x5.8 / 560x18x5.8	-20~+70	50,000	ENEC, CE UL, cUL	SI-B9W171550WW / SI-B9W171560WW
	1,700					101		3000						SI-B9V171550WW / SI-B9V171560WW
	1,820					108		3500						SI-B9U171550WW / SI-B9U171560WW
	1,900					113		4000						SI-B9T171550WW / SI-B9T171560WW



LT-M272A / LT-M272F



LT-M272B / LT-M272G



LT-M272C / LT-M272H

Type	Luminous Flux (lm)	Power Consumption (W)	Input Voltage (V)	IF (mA)	Imax (mA)	Efficacy (lm/W)	CRI Min.	CCT (K)	Beam Angle (°)	Size (mm)	Temperature Range (°C)	Lifetime (hrs)	Certification	Model Name
LT-M272A	710	5.6	12.4	450	450	127	80	3000	115	275x18x5.8	-20~+70	50,000	ENEC, CE UL, cUL	SI-B8V051280WW / SI-B8U051280WW
	721					129		3500						SI-B8T051280WW / SI-B8R051280WW
	743					133		4000						SI-B8V071280WW / SI-B8U071280WW
	766					137		5000						SI-B8T071280WW / SI-B8R071280WW
LT-M272B	946	7.4	24.8	300	360	128	80	3000	115	275x18x5.8	-20~+70	50,000	ENEC, CE UL, cUL	SI-B8V113280WW / SI-B8U113280WW
	961					130		3500						SI-B8T113280WW / SI-B8R113280WW
	991					134		4000						SI-B8V13280WW / SI-B8U13280WW
	1,021					138		5000						SI-B8T13280WW / SI-B8R13280WW
LT-M272C	1,419	11.2	24.8	450	450	127	80	3000	115	275x18x5.8	-20~+70	50,000	ENEC, CE UL, cUL	SI-B8V151280WW / SI-B8U151280WW
	1,441					129		3500						SI-B8T151280WW / SI-B8R151280WW
	1,486					133		4000						SI-B8V151280WW / SI-B8U151280WW
	1,531					137		5000						SI-B8T151280WW / SI-B8R151280WW
LT-M272F	510	5.4	12.0	450	450	94	90	2700	115	275x18x5.8	-20~+70	50,000	ENEC, CE UL, cUL	SI-B9W051280WW / SI-B9U051280WW
	525					97		3000						SI-B9V051280WW / SI-B9T051280WW
	560					104		3500						SI-B9U051280WW / SI-B9T051280WW
	585					108		4000						SI-B9W071280WW / SI-B9U071280WW
LT-M272G	675	7.2	24.0	300	360	94	90	2700	115	275x18x5.8	-20~+70	50,000	ENEC, CE UL, cUL	SI-B9W113280WW / SI-B9U113280WW
	690					96		3000						SI-B9V113280WW / SI-B9T113280WW
	740					103		3500						SI-B9U113280WW / SI-B9T113280WW
	775					108		4000						SI-B9W13280WW / SI-B9U13280WW
LT-M272H	1,013	10.8	24.0	450	450	94	90	2700	115	275x18x5.8	-20~+70	50,000	ENEC, CE UL, cUL	SI-B9W171280WW / SI-B9U171280WW
	1,035					96		3000						SI-B9V171280WW / SI-B9T171280WW
	1,110					103		3500						SI-B9U171280WW / SI-B9T171280WW
	1,163					108		4000						SI-B9W13280WW / SI-B9U13280WW

F-Series



LT-F552A / LT-F562A

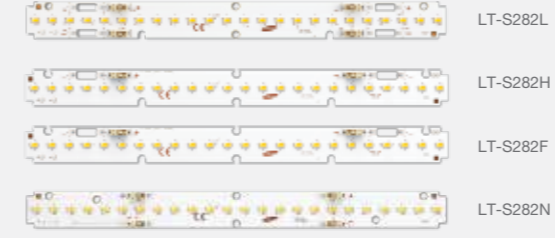
Type	Luminous Flux (lm)	Power Consumption (W)	Input Voltage (V)	IF (mA)	Imax (mA)	Efficacy (lm/W)	CRI Min.	CCT (K)	Beam Angle (°)	Size (mm)	Temperature Range (°C)	Lifetime (hrs)	Certification	Model Name
LT-F552A LT-F562A	4,310	33.0	24.7	1,350	1,350	131	80	3000	115	550x18x5.2 / 560x18x5.2	-20~+70	50,000	ENEC, CE UL, cUL	SI-B8V341550WW / SI-B8U341550WW
	4,370					133		3500						SI-B8T341550WW / SI-B8R341550WW
	4,510					137		4000						SI-B9V341550WW / SI-B9U341550WW
	4,650					141		5000						SI-B8V341560WW / SI-B8U341560WW

Ambient Light | Linear Platform Module

S-Series



Type	Luminous Flux (lm)	Power Consumption (W)	Input Voltage (V)	IF (mA)	I _{max} (mA)	Efficacy (lm/W)	CRI Min.	CCT (K)	Beam Angle (°)	Size (mm)	Temperature Range (°C)	Lifetime (hrs)	Certification	Model Name
LT-S562L	2,180	14.1	35.2	400	720	155	80	3000	115	559.7×23.8×5.8 (Front CNT) 559.7×23.8×7.4 (Rear CNT)	-20~+50	50,000	CE, ENEC, VDE, UL, cUL	SI-B8V14156LWW (Front CNT) SI-B8V14256LWW (Rear CNT)
	2,210					157		3500						SI-B8U14156LWW (Front CNT) SI-B8U14256LWW (Rear CNT)
	2,250					160		4000						SI-B8T14156LWW (Front CNT) SI-B8T14256LWW (Rear CNT)
	2,290					163		5000						SI-B8R14156LWW (Front CNT) SI-B8R14256LWW (Rear CNT)
LT-S562H	2,180	14.1	46.9	300	540	155	80	3000	115	559.7×23.8×5.8 (Front CNT) 559.7×23.8×7.4 (Rear CNT)	-20~+50	50,000	CE, ENEC, VDE, UL, cUL	SI-B8V14156HWW (Front CNT) SI-B8V14256HWW (Rear CNT)
	2,210					157		3500						SI-B8U14156HWW (Front CNT) SI-B8U14256HWW (Rear CNT)
	2,250					160		4000						SI-B8T14156HWW (Front CNT) SI-B8T14256HWW (Rear CNT)
	2,290					163		5000						SI-B8R14156HWW (Front CNT) SI-B8R14256HWW (Rear CNT)
LT-S562F	2,180	14.1	17.6	800	1,440	155	80	3000	115	559.7×23.8×5.8 (Front CNT) 559.7×23.8×7.4 (Rear CNT)	-20~+50	50,000	CE, ENEC, VDE, UL, cUL	SI-B8V14156SWW (Front CNT) SI-B8V14256SWW (Rear CNT)
	2,210					157		3500						SI-B8U14156SWW (Front CNT) SI-B8U14256SWW (Rear CNT)
	2,250					160		4000						SI-B8T14156SWW (Front CNT) SI-B8T14256SWW (Rear CNT)
	2,290					163		5000						SI-B8R14156SWW (Front CNT) SI-B8R14256SWW (Rear CNT)
LT-S562N	2,180	14.1	35.2	400	720	155	80	3000	115	559.7×23.8×5.8 (Front CNT) 559.7×23.8×7.4 (Rear CNT)	-20~+50	50,000	CE, ENEC, VDE, UL, cUL	SI-B8V141560LD (Front CNT)
	2,210					157		3500						SI-B8U141560LD (Front CNT)
	2,250					160		4000						SI-B8T141560LD (Front CNT)
	2,290					163		5000						SI-B8R141560LD (Front CNT)



Type	Luminous Flux (lm)	Power Consumption (W)	Input Voltage (V)	IF (mA)	I _{max} (mA)	Efficacy (lm/W)	CRI Min.	CCT (K)	Beam Angle (°)	Size (mm)	Temperature Range (°C)	Lifetime (hrs)	Certification	Model Name
LT-S282L	1,080	7.0	35.2	200	360	155	80	3000	115	279.7×23.8×5.8 (Front CNT) 279.7×23.8×7.4 (Rear CNT)	-20~+50	50,000	CE, ENEC, VDE, UL, cUL	SI-B8V07128LWW (Front CNT) SI-B8V07228LWW (Rear CNT)
	1,090					157		3500						SI-B8U07128LWW (Front CNT) SI-B8U07228LWW (Rear CNT)
	1,120					160		4000						SI-B8T07128LWW (Front CNT) SI-B8T07228LWW (Rear CNT)
	1,140					163		5000						SI-B8R07128LWW (Front CNT) SI-B8R07228LWW (Rear CNT)
LT-S282H	1,080	7.0	23.4	300	540	155	80	3000	115	279.7×23.8×5.8 (Front CNT) 279.7×23.8×7.4 (Rear CNT)	-20~+50	50,000	CE, ENEC, VDE, UL, cUL	SI-B8V07128HWW (Front CNT) SI-B8V07228HWW (Rear CNT)
	1,090					157		3500						SI-B8U07128HWW (Front CNT) SI-B8U07228HWW (Rear CNT)
	1,120					160		4000						SI-B8T07128HWW (Front CNT) SI-B8T07228HWW (Rear CNT)
	1,140					163		5000						SI-B8R07128HWW (Front CNT) SI-B8R07228HWW (Rear CNT)
LT-S282F	1,080	7.0	8.8	800	1,440	155	80	3000	115	279.7×23.8×5.8 (Front CNT) 279.7×23.8×7.4 (Rear CNT)	-20~+50	50,000	CE, ENEC, VDE, UL, cUL	SI-B8V07128SWW (Front CNT) SI-B8V07228SWW (Rear CNT)
	1,090					157		3500						SI-B8U07128SWW (Front CNT) SI-B8U07228SWW (Rear CNT)
	1,120					160		4000						SI-B8T07128SWW (Front CNT) SI-B8T07228SWW (Rear CNT)
	1,140					163		5000						SI-B8R07128SWW (Front CNT) SI-B8R07228SWW (Rear CNT)
LT-S282N	1,080	7.0	35.2	200	360	155	80	3000	115	279.7×23.8×5.8 (Front CNT) 279.7×23.8×7.4 (Rear CNT)	-20~+50	50,000	CE, ENEC, VDE, UL, cUL	SI-B8V071280LD (Front CNT)
	1,090					157		3500						SI-B8U071280LD (Front CNT)
	1,120					160		4000						SI-B8T071280LD (Front CNT)
	1,140					163		5000						SI-B8R071280LD (Front CNT)



Ambient Light | Area Platform Module



Application Requirements



High luminous efficacy for reduced electricity costs



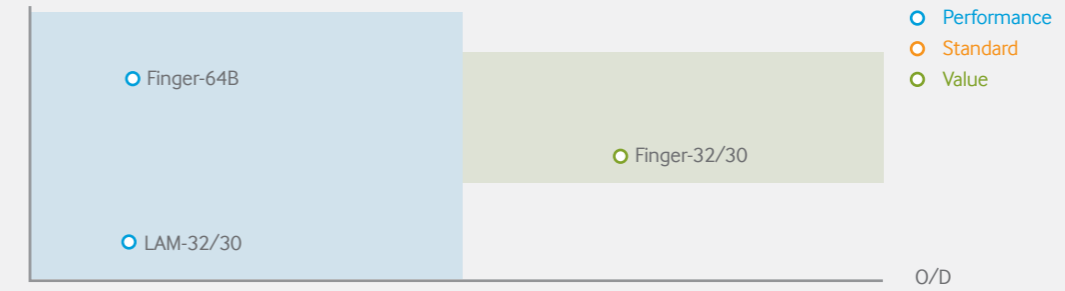
Uniform light distribution for a high level of visual comfort



Ideal for dimming

Related Products

lm/W



Class	Product	Key Feature	Efficacy (lm/W)	Cost Efficiency (lm/\$)	O/D
Performance	Finger-64B	<ul style="list-style-type: none"> • Good uniformity solution for flat panel type • Best efficacy up to 173 lm/W @5000 K 			
	LAM	<ul style="list-style-type: none"> • Best solution for slim luminaire design - 45 mm ≤ Optical Distance ≤ 60 mm • Good uniformity even curved optic design 			
Value	Finger-32B/30B	<ul style="list-style-type: none"> • Good uniformity solution for flat panel type • High lm/\$ with good efficacy up to 154 lm/W 			

LM-80 : Completed Certification : UL/cUL/CE/ENEC



Ambient Light | Area Platform Module

High efficacy Area Platform Modules that are cost-effective and deliver uniform light output.

- Available to design slimmer luminaire integrating optical technology (LAM Type)
- Value added optical technology designed by Samsung (LAM Type)
- Uses Samsung's LM561B package which has completed LM-80 test, for proven reliability and performance
- Optimized number of packages for superior light uniformity
- Good thermal performance leads to greater durability and long lifetimes
- Easy to design-in

Finger Type



Finger-SQ64C



Finger-RT64C

Type	Luminous Flux (lm)	Power Consumption (W)	Input Voltage (V)	IF (mA)	I _{max} (mA)	Efficacy (lm/W)	CRI Min.	CCT (K)	Beam Angle (°)	Size (mm)	Temperature Range (°C)	Lifetime (hrs)	Certification	Model Name
Finger-SQ64C Finger-RT64C	1,385	7.8	11.2	700	2,880	178	80	3000	115	259x250x6.8 / 230x273x6.8	-20~+50	50,000	CE, ENEC, VDE, UL, cUL	SI-B8V102250WW /SI-B8V104280WW
	1,405					180		3500						SI-B8U102250WW /SI-B8U104280WW
	1,450					186		5000						SI-B8T102250WW /SI-B8T104280WW
	1,495					192		5000						SI-B8R102250WW /SI-B8R104280WW
	1,450					186		6500						SI-B8P102250WW /SI-B8P104280WW



Finger-SQ64B



Finger-RT64B



Finger-SQ32B



Finger-RT32B



Finger-SQ30B



Finger-RT30B

Type	Luminous Flux (lm)	Power Consumption (W)	Input Voltage (V)	IF (mA)	I _{max} (mA)	Efficacy (lm/W)	CRI Min.	CCT (K)	Beam Angle (°)	Size (mm)	Temperature Range (°C)	Lifetime (hrs)	Certification	Model Name
Finger-SQ64B Finger-RT64B	1,300	8.1	11.5	700	1,600	160	80	3000	115	259x250x6.8 / 230x273x6.8	-20~+50	50,000	ENEC, CE UL, cUL	SI-B8V10125001 / SI-B8V10128001
	1,320					163		3500						SI-B8U10125001 / SI-B8U10128001
	1,360					168		4000						SI-B8T10125001 / SI-B8T10128001
	1,400					173		5000						SI-B8R10125001 / SI-B8R10128001
	1,360					168		6500						SI-B8P10125001 / SI-B8P10128001
Finger-SQ32B Finger-RT32B	1,310	9.2	24.0	385	600	142	80	3000	115	259x250x6.8 / 216x273x6.8	-20~+50	50,000	UL, cUL	SI-B8V09626001 / SI-B8V09628001
	1,330					145		3500						SI-B8U09626001 / SI-B8U09628001
	1,370					149		4000						SI-B8T09626001 / SI-B8T09628001
	1,420					154		5000						SI-B8R09626001 / SI-B8R09628001
	1,380					150		6500						SI-B8P09626001 / SI-B8P09628001
Finger-SQ30B Finger-RT30B	1,420	10.7	15.3	700	900	133	80	3000	115	259x250x5.8 / 216x273x7.4	-20~+50	50,000	ENEC, CE	SI-B8V11225001 / SI-B8V11228001
	1,450					136		3500						SI-B8U11225001 / SI-B8U11228001
	1,500					140		4000						SI-B8T11225001 / SI-B8T11228001
	1,540					144		5000						SI-B8R11225001 / SI-B8R11228001
	1,490					139		6500						SI-B8P11225001 / SI-B8P11228001



Ambient Light | Area Platform Module

LAM Type



LAM-SQ30B



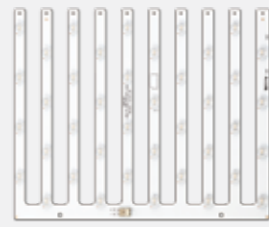
LAM-RT30B



LAM-SQ32B



LAM-RT32B



LAM-RT40B

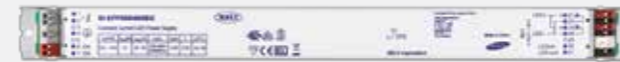
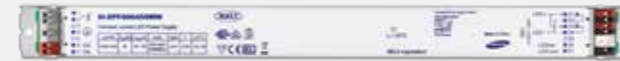
Type	Luminous Flux (lm)	Power Consumption (W)	Input Voltage (V)	IF (mA)	I _{max} (mA)	Efficacy (lm/W)	CRI Min.	CCT (K)	Beam Angle (°)	Size (mm)	Temperature Range (°C)	Lifetime (hrs)	Certification	Model Name
LAM-SQ30B LAM-RT30B	1,370	10.7	15.3	700	900	128	80	3000	145	259x250x6.6 / 216x273x6.6	-20~+60	50,000	ENEC, CE	SI-B8V11125001 / SI-B8V11128001
	1,390					130		3500						SI-B8U11125001 / SI-B8U11128001
	1,440					135		4000						SI-B8T11125001 / SI-B8T11128001
	1,480					138		5000						SI-B8R11125001 / SI-B8R11128001
	1,440					135		6500						SI-B8P11125001 / SI-B8P11128001
LAM-SQ32B LAM-RT32B	1,260	9.2	24.0	385	600	137	80	3000	145	259x250x5.8 / 216x273x5.8	-20~+60	50,000	UL, cUL	SI-B8V09526001 / SI-B8V09528001
	1,280					139		3500						SI-B8U09526001 / SI-B8U09528001
	1,320					143		4000						SI-B8T09526001 / SI-B8T09528001
	1,360					148		5000						SI-B8R09526001 / SI-B8R09528001
	1,320					143		6500						SI-B8P09526001 / SI-B8P09528001
LAM-RT40B	1,290	9.4	23.5	400	750	130	80	5000	145	216x273x6.7	-20~+60	50,000	-	SI-B8R101290WW



LED Driver



0-10V



DALI



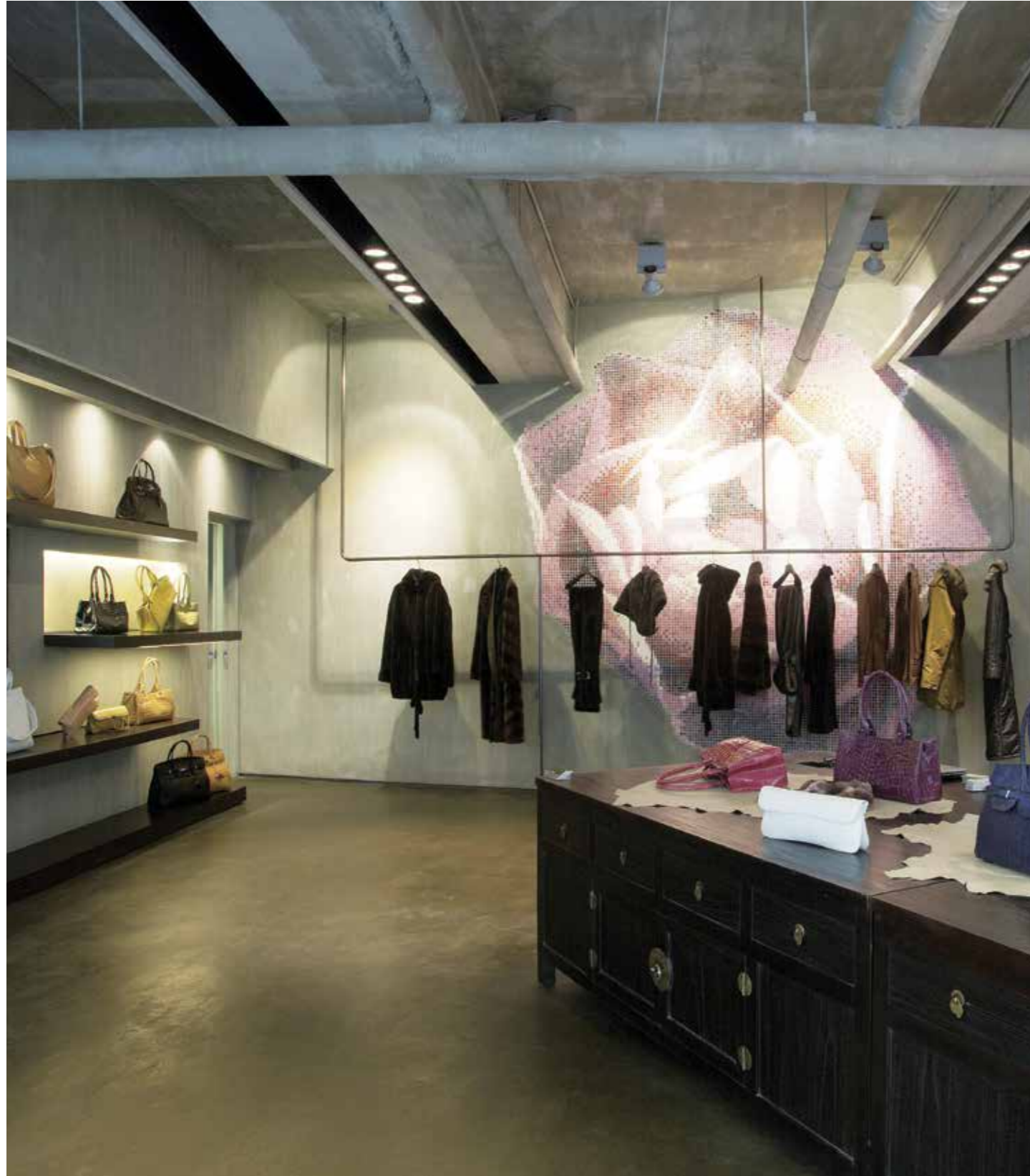
Non-Dimmable

Power Consumption (W)	Size (mm)	Input Voltage (V)	Output Voltage (V)	Output Current/ch (mA)	Efficiency (%)	THD (%)	Dimming	Certification	Power factor	Remark	Model Name
75	359x30x26.5	120-277	22~52	1,000-2,100	83	<20	0-10V	UL, cUL	>0.9	Output current adjustable by Rset	SI-EPF007040WW
50	300x30x21		20-50	500-1,400							SI-EPF006660WW
75	360x30x21	220-240	20~54	1,000-2,100	90	<20	DALI	CE	>0.95	Output current adjustable by Rset	SI-EPF006450WW
50	360x30x21		27-54	600-1,400							87
75	360x30x21	220-240	27-54	1,200/1,400/1,550	87	<10	Non Dim	CE, KC	>0.95	Selectable output current	SI-EPF006400WW
50	280x30x21			800/925/1,050							86
72	300x43x30.5	18-26	18-26	2,550	86	<20	0-10V	KC	>0.9	-	SI-C2H817201KR
45	241x43x30.5			1,680							87

• Channel : 1 • Standard Lead-Time : 8 weeks



Downlight & Spotlight



Application Requirements



Efficient replacement for conventional compact fluorescent lamp with identical or improved light output

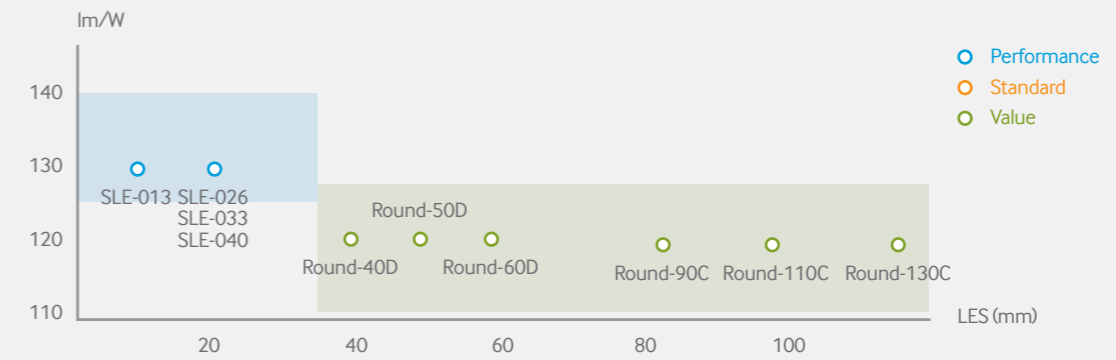


Outstanding color rendering and consistency for the perfect display of objects



Flexibility in use with wide variety of beam patterns and optical accessories

Related Products



Class	Product	Key Feature	Efficacy (lm/W)	Cost Efficiency (lm/\$)	LES (mm)
Performance	SLE	<ul style="list-style-type: none"> High efficacy up to 145 lm/W Easy Installation by poke-in type holder Designed following Zhaga standard 			
Value	Round-Gen3	<ul style="list-style-type: none"> Fixture total cost saving by minimizing heat-sink - Tc is around 85 degree suspended in free air Possible for slim design with good uniformity by optimized LED arrangement Possible to design 5/6/7-inch downlight 			
	Round-Gen4	<ul style="list-style-type: none"> Better to small optic design Possible to design 4-8inch design 			

LM-80: Completed Certification: UL/cUL/CE/ENEC



Downlight & Spotlight

High efficacy modules that are ideal for use in downlights and spotlights.

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

Round Module Gen4



Round-040D

Round-050D

Round-060D

Type	Luminous Flux (lm)	Power Consumption (W)	Input Voltage (V)	IF (mA)	Imax (mA)	Efficacy (lm/W)	CRI Min.	CCT (K)	Beam Angle (°)	Size (mm)	Temperature Range (°C)	Lifetime (hrs)	Certification	Model Name
Round-040D	990	8.3	23.7	350	350	120	80	3500	115	φ41x3.7	-20~+50	50,000	UL, cUL, ENEC, CE	SI-N8V0812B0WW
	1,020					123		SI-N8U0812B0WW						
	1,030					124		SI-N8T0812B0WW						
Round-050D	2,010	16.6	23.7	700	700	121	80	3500	115	φ50x3.7	-20~+50	50,000	UL, cUL, ENEC, CE	SI-N8V1712B0WW
	2,060					124		SI-N8U1712B0WW						
	2,090					126		SI-N8T1712B0WW						
Round-060D	2,920	24.9	35.5	700	700	117	80	3500	115	φ62x3.7	-20~+50	50,000	UL, cUL, ENEC, CE	SI-N8V2513B0WW
	3,010					121		SI-N8U2513B0WW						
	3,060					123		SI-N8T2513B0WW						



Round Module Gen3



Round-090C

Round-110C

Round-130C

Type	Luminous Flux (lm)	Power Consumption (W)	Input Voltage (V)	IF (mA)	Imax (mA)	Efficacy (lm/W)	CRI Min.	CCT (K)	Beam Angle (°)	Size (mm)	Temperature Range (°C)	Lifetime (hrs)	Certification	Model Name
Round-090C	1,050	8.4	24	350	450	125	80	3500	115	φ90x5.7	-30~+50	50,000	UL, cUL, ENEC, CE	SI-N8V0814B0WW
	1,070					127		SI-N8U0814B0WW						
	1,100					131		SI-N8T0814B0WW						
Round-110C	2,050	17.5	25	700	750	117	80	3500	115	φ110x5.7	-30~+50	50,000	UL, cUL, ENEC, CE	SI-N8V1714B0WW
	2,080					119		SI-N8U1714B0WW						
	2,160					123		SI-N8T1714B0WW						
Round-130C	3,330	27.8	39.7	700	750	120	80	3500	115	φ130x5.7	-30~+50	50,000	UL, cUL, ENEC, CE	SI-N8V2816B0WW
	3,370					121		SI-N8U2816B0WW						
	3,520					127		SI-N8T2816B0WW						



Downlight & Spotlight

Spot Module



Type	Luminous Flux (lm)	Power Consumption (W)	Input Voltage (V)	IF (mA)	I _{max} (mA)	Efficacy (lm/W)	CRI Min.	CCT (K)	Beam Angle (°)	Size (mm)	Temperature Range (°C)	Lifetime (hrs)	Certification	Model Name
SLE-013	1,070	8.4	33.5	250	350	128	80	2700	115	φ50x6.7	-20~+50	60,000	ENEC, CE (UL/cUL : COB and Holder received seperately)	SI-N8W1312B0WW
	1,120					134		3000						SI-N8V1312B0WW
	1,160					139		3500						SI-N8U1312B0WW
	1,180					141		4000						SI-N8T1312B0WW
	1,220					146		5000						SI-N8R1312B0WW
	950					113		2700						SI-N9W1312B0WW
	980					117		3000						SI-N9V1312B0WW
	1,000					119		3500						SI-N9U1312B0WW
	1,050					125		4000						SI-N9T1312B0WW
	2,230					133		2700						SI-N8W2612B0WW
SLE-026	2,420	16.8	33.5	500	700	144	90	3000	115	φ50x6.7	-20~+50	60,000	ENEC, CE (UL/cUL : COB and Holder received seperately)	SI-N8V2612B0WW
	2,450					146		3500						SI-N8U2612B0WW
	2,540					152		4000						SI-N8T2612B0WW
	2,570					153		5000						SI-N8R2612B0WW
	2,050					122		2700						SI-N9W2612B0WW
	2,080					124		3000						SI-N9V2612B0WW
	2,140					128		3500						SI-N9U2612B0WW
	2,250					134		4000						SI-N9T2612B0WW
	3,150					133		2700						SI-N8W3312B0WW
	3,320					140		3000						SI-N8V3312B0WW
SLE-033	3,390	23.7	33.8	700	900	143	90	3500	115	φ50x6.7	-20~+50	60,000	ENEC, CE (UL/cUL : COB and Holder received seperately)	SI-N8U3312B0WW
	3,510					148		4000						SI-N8T3312B0WW
	3,550					150		5000						SI-N8R3312B0WW
	2,610					110		2700						SI-N9W3312B0WW
	2,660					112		3000						SI-N9V3312B0WW
	2,740					116		3500						SI-N9U3312B0WW
	2,820					119		4000						SI-N9T3312B0WW
	4,010					131		2700						SI-N8W4012B0WW
	4,250					138		3000						SI-N8V4012B0WW
	4,330					141		3500						SI-N8U4012B0WW
SLE-040	4,510	30.7	34.1	900	1,000	147	90	4000	115	φ50x6.7	-20~+50	60,000	ENEC, CE (UL/cUL : COB and Holder received seperately)	SI-N8T4012B0WW
	4,560					149		5000						SI-N8R4012B0WW
	3,280					107		2700						SI-N9W4012B0WW
	3,330					109		3000						SI-N9V4012B0WW
	3,410					111		3500						SI-N9U4012B0WW
	3,530					115		4000						SI-N9T4012B0WW



ACOM DLE



Type	Luminous Flux (lm)	Power Consumption (W)	Input Voltage (V)	IF (mA)	I _{max} (mA)	Efficacy (lm/W)	CRI Min.	CCT (K)	Beam Angle (°)	Size (mm)	Temperature Range (°C)	Lifetime (hrs)	Certification	Model Name
Reduced Flicker	1,030	11.4	120 (AC)	50	19	90	80	2700	115	55x55x12.5	-20~+50	50,000	UL, cUL	SI-N8W1113B1US
	1,050					92		3000						SI-N8V1113B1US
	1,070					94		3500						SI-N8U1113B1US
	1,090					96		4000						SI-N8T1113B1US
	1,030					90		2700						SI-N8W1123B1US
Low THD	1,050	11.5	120 (AC)	100	14	91	80	3000	115	55x55x12.5	-20~+50	50,000	UL, cUL	SI-N8V1123B1US
	1,070					93		3500						SI-N8U1123B1US
	1,090					95		4000						SI-N8T1123B1US

LED Driver



Power Consumption (W)	Size (mm)	Input Voltage (V)	Output Voltage (V)	Output Current/ch (mA)	Efficiency (%)	THD (%)	Dimming	Certification	Power factor	Remark	Model Name
30	123x79x33	120-277	20-50	350-1,050	83	<20	0-10V	UL, cUL	>0.9	Output current adjustable by Rset	SI-EPF006650WW
15				180-500							SI-EPF006640WW
35	103x67x29.5	220-240	15-54	350-1,050	86	<10	DALI	CE	>0.95	Output current adjustable by Rset	SI-EPD006580EU
15				180-700							SI-EPD006460EU
35	130x67x29.5	220-240	17-34	800/925/1,050	87	<20	Non Dim	CE, KC	>0.95	Selectable output current	SI-EPD006570WW
15	97x43x29.5			290/350/420							85

• Channel : 1 • Standard Lead-Time : 8 weeks



Street Light



Application Requirements



Excellent systems efficiency for rapid amortisations



Highest luminous flux



Uniform light distribution for roads without bright/dark zones

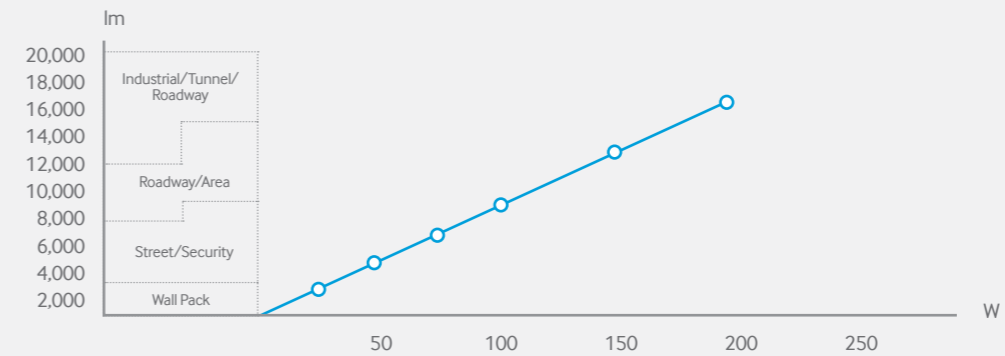


Outstanding reliability in all weather conditions



Long life for reduced maintenance cost

Related Products



Class	Product	Key Feature	Efficacy (lm/W)	Cost Efficiency (lm/\$)	Color Consistency
Performance	Modular-Z	<ul style="list-style-type: none"> • Compact & Modular platform design • Integrating LED + Optics + Thermal • High lumen density : 2100 lm • IP 66 			

LM-80 : Completed Certification : UL/cUL/CE

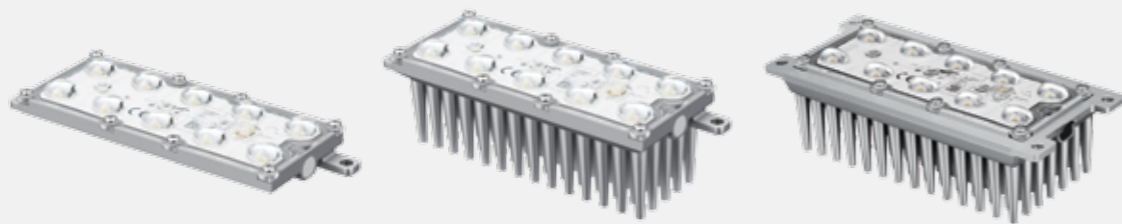


Street Light

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.

- 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

Modular Platform Engine



Model	IESNA Type /Degree	Heat Sink	Connector	Luminous Flux (lm)	Power Consumption (W)	IF (mA)	Efficacy (lm/W)	CRI Min.	CCT (K)	Weight (g)	Waterproof/Dustproof Grade	Temperature Range (Operation, Tc)	Certification	Model Name
E-TYPE (LH351Z)	Type-1M (I)	with Fin	Wire (without connector)	2,100	21	700	100	70	5000	280	IP66	-30~+80	CE, UL, cUL	SL-P7T2E31MZWW
	5000													SL-P7R2E31MZWW
	4000													SL-P7T2E32SZWW
	5000													SL-P7R2E32SZWW
	4000													SL-P7T2E32MZWW
	5000													SL-P7R2E32MZWW
	4000													SL-P7T2E37MZWW
	5000													SL-P7R2E37MZWW
	4000													SL-P7T2E33MZWW
	5000													SL-P7R2E33MZWW
E-TYPE (Gen2 / LH351Z)	Type 2M (L)	with Fin	Wire (without connector)	2,100	21	700	100	70	4000	230	IP66	-30~+80	-	SL-P7T2V37MZWW
	5000	SL-P7R2V37MZWW												
F-TYPE (LH351B)	Type 2M (I)	Without Fin	Wire (without connector)	2,100	21	700	100	70	3000	170	IP66	+10~+90	CE	SL-P7V2F32MBKI
	4000	SL-P7T2F32MBKI												
T-TYPE (LH351A)	Type-3M (I)	with Fin	JST	2,300	21	700	110	75	5000	460	IP66	-30~+80	CE	SL-PGR2T43M3WW
	Type-2M (L)	with Fin	JST						4000					SL-PGR2T47M3WW
T-TYPE (LH351B)	Type-3M (I)	with Fin	JST	2,400	21	700	114	75	5000	460	IP66	-30~+80	CE	SL-PGR2T53MBWW
	Type-2M (L)	with Fin	JST						4000					SL-PGR2T57MBWW
F-serise Gen2	115	N/A	Poke-in	8,800	74.3	1,500	118	80	4000	TBD	N/A	TBD	UL, cUL	SL-B8T7NK0L2WW
	TBD			TBD		TBD		4500						SL-B8R7NK0L2WW

• Input Voltage : 30V (F-serise Gen2 : 49.5V) • I_{max} : 1,000mA

※ (I) : optimized for Illuminance Uniformity, (L) : optimized for Luminance Uniformity, E-Type : with Fin, T-Type : Flange with Fin
 ※ E-Type : with Fin (Thermal management by Engine) T-Type : Flange with Fin (H/S with Tetra screw-holes)



LED Driver



Power Consumption (W)	Size (mm)	Input Voltage (V)	Output Voltage (V)	Output Current/ch (mA)	Efficiency (%)	THD (%)	Dimming	Certification	Power factor	Remark	Model Name		
25	202x45x40.2	100-240	26-33	700	85	<20	0-10V	KS	>0.9	IP66	SL-LA7012501KR		
50		100-277		1400	87						SL-LA1425001KR		
75		220-240		2100	88						SL-L22127501KR		
100	228x68x39.5	100-277	28-36	2800	92	<20	0-10V	UL, cUL	>0.9	IP66	SL-LA142A001KR		
150		100-277		2100 * 2ch							92	SL-LA212A501KR	
200		220-240		2800 * 2ch								SL-L2282B001KR	
100		100-277		1400 * 2ch								STOOPA214A0Z032STD	
150	258x102.6x38	220-240	28-36	2100 * 2ch	85	<20	0-10V	UL, cUL	>0.9	IP66	STOOPF214A0Z032S00		
		100-277									1400 * 2ch		STOOPA221A5Z032STD
		220-240									2800 * 2ch		STOOPF221A5Z032S00
200							CE, KC			STOOP2228B0Z032STD			

• Standard Lead-Time :8 weeks

