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## 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. The company is redefining the worlds of TVs, smartphones, wearable devices, tablets, cameras, digital appliances, printers, medical equipment, network systems, and semiconductor and LED solutions. For the latest news, please visit the Samsung Newsroom at [news.samsung.com](http://news.samsung.com)

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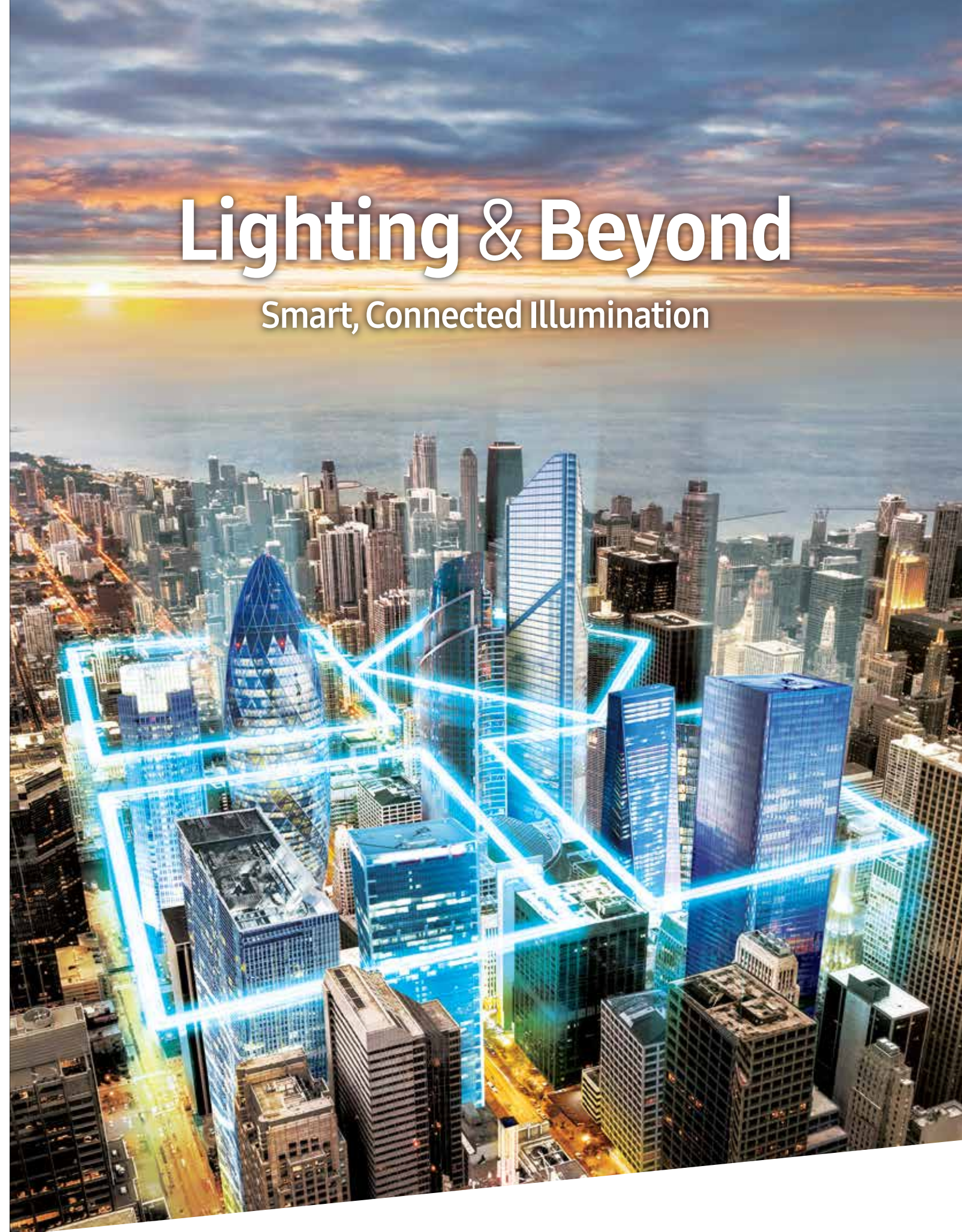
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Rev.3 Aug.2016

**SAMSUNG**

# Lighting & Beyond

Smart, Connected Illumination



| Samsung LED Module

**SAMSUNG**

# Overview & Technology

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.

※ As of December 2015

|                            |    |
|----------------------------|----|
| Manufacturing Subsidiaries | 32 |
| R&D                        | 33 |
| Design Centers             | 6  |
| Regional Headquarters      | 14 |

77

Countries

## Brand Value

Ranked 7th in Global Brand Value, Samsung recorded a brand value of \$45.3 Billion in 2015.

※ Source : Interbrand / Business Week

| Rank | Company             | Rank | Company             | Rank | Company   | Rank | Company             |
|------|---------------------|------|---------------------|------|-----------|------|---------------------|
| 1    | Coca-Cola           | 1    | Coca-Cola           | 1    | Apple     | 5    | IBM                 |
| 2    | IBM                 | 2    | Apple               | 2    | Google    | 6    | Toyota              |
| 3    | Apple               | 3    | IBM                 | 3    | Coca-Cola | 7    | Samsung Electronics |
| 4    | Google              | 4    | Google              | 4    | IBM       | 8    | Samsung Electronics |
| ...  | ...                 | ...  | ...                 | ...  | ...       | ...  | ...                 |
| 17   | Samsung Electronics | 9    | Samsung Electronics | 9    | Intel     | 8    | GE                  |
| ...  | ...                 | ...  | ...                 | ...  | ...       | ...  | ...                 |
| 35   | Sony                | 19   | Nokia               | 10   | Toyota    | 9    | McDonald's          |
| 41   | Phillips            | 20   | Amazon              | ...  | ...       | ...  | ...                 |
|      |                     |      |                     |      |           |      |                     |
|      | 2011                |      | 2012                |      | 2013      |      | 2014-2015           |

## Intellectual Property

In 2015, Samsung registered 5,072 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 10 consecutive years since 2006.

※ As of December 2015



2015 US Patents Registration

※ Source: The U.S. Patent and Trademark Office (USPTO)

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.

## Vertical Integration

Unique company that has full in-house solutions from raw material to Light Engines and Smart Lighting Platform



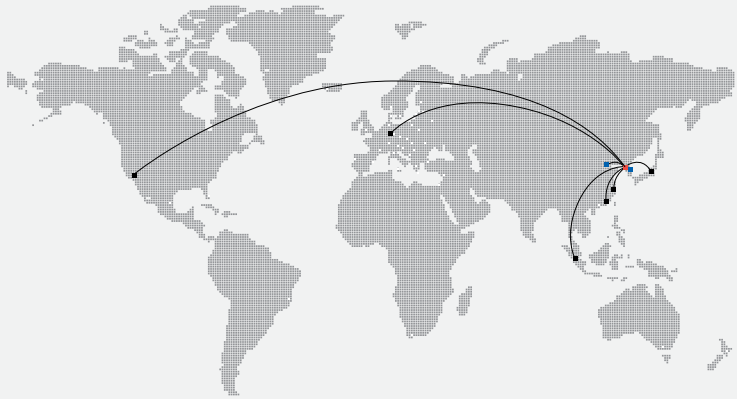
## High Reliability

Quality management & design verification system for optimizing time-to-market



## World Best SCM

Reliable, on-time delivery without delays



Ambient Light | Linear Platform Module



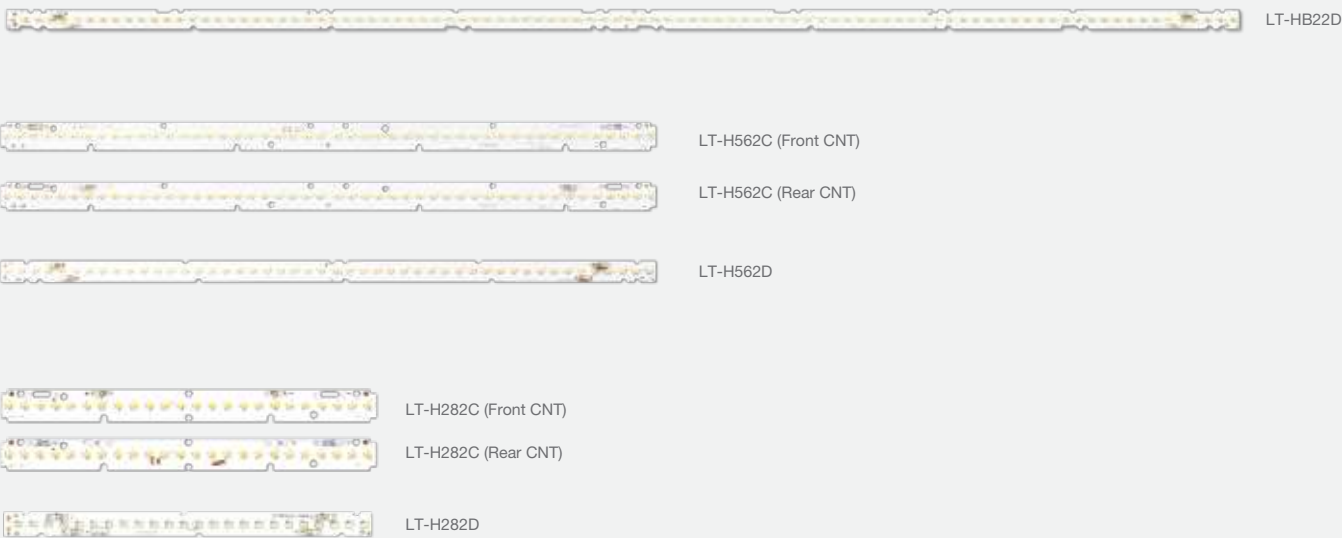
With its modular construction, easy to use connections and best color consistency, Samsung’s linear module line-ups are well-suited for various designs of luminaires.

- 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
- Designed following Zhaga specification

| Product                                                                                           | Key Features                                                                               | Efficacy (lm/W) | Lifespan |
|---------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-----------------|----------|
|  H-series Gen3 | • Highest performance<br>• 184 lm/W [212mA, 4000K, CRI 80+, Tp 50°C]                       | ●●●●●           | ●●●●●    |
|  M-series Gen2 | • Platform & Flexible design choices<br>• High efficacy up to 150lm/W @4000K               | ●●●○○           | ●●●●●    |
|  V-series      | • Low-end solution<br>• 140 lm/W [620mA, 4000K, CRI 80+, Tp 50°C]                          | ●●○○○           | ●●●●○    |
|  S-series      | • High voltage solution<br>• 160 lm/W [800mA, 4000K, CRI 80+, Tp 50°C]                     | ●●●●○           | ●●●●●    |
|  R-series      | • High lm/W for high ceiling / height applications<br>• High efficacy up to 160lm/w @4000K | ●●●●●           | ●●●●●    |

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H-series Gen3



| 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-HB22D | 3,870              | 21.6                  | 22.5              | 960     | 2,400     | 179             | 80       | 3000    | 115            | 1,120x18x5.8                                              | -20~+50                | 50,000         | UL, cUL       | SI-B8V221B2HUS                                        |
|          | 3,925              |                       |                   |         |           | 182             |          | 3500    |                |                                                           |                        |                |               | SI-B8U221B2HUS                                        |
|          | 4,040              |                       |                   |         |           | 187             |          | 4000    |                |                                                           |                        |                |               | SI-B8T221B2HUS                                        |
|          | 4,040              |                       |                   |         |           | 187             |          | 5000    |                |                                                           |                        |                |               | SI-B8R221B2HUS                                        |
| LT-H562C | 1,935              | 10.8                  | 45.0              | 240     | 600       | 179             | 80       | 3000    | 115            | 559.7x23.8x 5.8 (Front CNT)<br>559.7x23.8x 7.4 (Rear CNT) | -20~+50                | 50,000         | CE, ENEC      | SI-B8V11156HEU(Front CNT)<br>SI-B8V11256HEU(Rear CNT) |
|          | 2,020              |                       |                   |         |           | 187             |          | 4000    |                |                                                           |                        |                |               | SI-B8T11156HEU(Front CNT)<br>SI-B8T11256HEU(Rear CNT) |
| LT-H562D | 2,020              | 10.8                  | 22.5              | 480     | 1,200     | 187             | 80       | 6500    | 115            | 560x18x5.8                                                | -20~+50                | 50,000         | UL, cUL       | SI-B8P11156HEU(Front CNT)<br>SI-B8P11256HEU(Rear CNT) |
|          | 1,935              |                       |                   |         |           | 179             |          | 3000    |                |                                                           |                        |                |               | SI-B8V11156HUS                                        |
|          | 1,965              |                       |                   |         |           | 182             |          | 3500    |                |                                                           |                        |                |               | SI-B8U11156HUS                                        |
|          | 2,020              |                       |                   |         |           | 187             |          | 4000    |                |                                                           |                        |                |               | SI-B8T11156HUS                                        |
| LT-H282C | 970                | 5.4                   | 22.5              | 240     | 600       | 180             | 80       | 3000    | 115            | 279.7x23.8x 5.8 (Front CNT)<br>279.7x23.8x 7.4 (Rear CNT) | -20~+50                | 50,000         | CE, ENEC      | SI-B8V05128HEU(Front CNT)<br>SI-B8V05228HEU(Rear CNT) |
|          | 1,010              |                       |                   |         |           | 187             |          | 4000    |                |                                                           |                        |                |               | SI-B8T05128HEU(Front CNT)<br>SI-B8T05228HEU(Rear CNT) |
| LT-H282D | 1,010              | 5.4                   | 22.5              | 240     | 600       | 187             | 80       | 6500    | 115            | 275x18x5.8                                                | -20~+50                | 50,000         | UL, cUL       | SI-B8P05128HEU(Front CNT)<br>SI-B8P05228HEU(Rear CNT) |
|          | 970                |                       |                   |         |           | 180             |          | 3000    |                |                                                           |                        |                |               | SI-B8V05128HUS                                        |
|          | 980                |                       |                   |         |           | 181             |          | 3500    |                |                                                           |                        |                |               | SI-B8U05128HUS                                        |
|          | 1,010              |                       |                   |         |           | 187             |          | 4000    |                |                                                           |                        |                |               | SI-B8T05128HUS                                        |
|          | 1,010              |                       |                   |         |           | 187             |          | 5000    |                |                                                           |                        |                |               | SI-B8R05128HUS                                        |

※ Front CNT: Front wiring connection / Rear CNT: Rear wiring connection

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M-series Gen2



| Type          | Luminous Flux (lm) | Power Consumption (W) | Input Voltage (V) | IF (mA) | I <sub>max</sub> (mA) | Efficacy (lm/W) | CRI Min. | CCT (K) | Beam Angle (°) | Size (mm)    | Temperature Range (°C) | Lifetime (hrs) | Certification    | Model Name     |
|---------------|--------------------|-----------------------|-------------------|---------|-----------------------|-----------------|----------|---------|----------------|--------------|------------------------|----------------|------------------|----------------|
| LT-MB22A      | 3,160              | 22.3                  | 24.8              | 900     | 1,080                 | 142             | 80       | 3000    | 115            | 1,120x18x5.2 | -20~+50                | 50,000         | UL, cUL          | SI-B8V221B20WW |
|               | 3,210              |                       |                   |         |                       | 144             |          | 3500    |                |              |                        |                |                  | SI-B8U221B20WW |
|               | 3,300              |                       |                   |         |                       | 148             |          | 4000    |                |              |                        |                |                  | SI-B8T221B20WW |
|               | 3,300              |                       |                   |         |                       | 148             |          | 5000    |                |              |                        |                |                  | SI-B8R221B20WW |
| LT-MB22B      | 4,210              | 29.8                  | 24.8              | 1,200   | 1,440                 | 141             | 80       | 3000    | 115            | 1,120x18x5.2 | -20~+50                | 50,000         | UL, cUL          | SI-B8V301B20WW |
|               | 4,280              |                       |                   |         |                       | 144             |          | 3500    |                |              |                        |                |                  | SI-B8U301B20WW |
|               | 4,400              |                       |                   |         |                       | 148             |          | 4000    |                |              |                        |                |                  | SI-B8T301B20WW |
|               | 4,400              |                       |                   |         |                       | 148             |          | 5000    |                |              |                        |                |                  | SI-B8R301B20WW |
| LT-MB22C      | 5,070              | 33.6                  | 24.0              | 1,400   | 1,400                 | 151             | 80       | 3000    | 115            | 1,120x18x5.2 | -20~+50                | 50,000         | UL, cUL          | SI-B8V341B20WW |
|               | 5,150              |                       |                   |         |                       | 153             |          | 3500    |                |              |                        |                |                  | SI-B8U341B20WW |
|               | 5,310              |                       |                   |         |                       | 158             |          | 4000    |                |              |                        |                |                  | SI-B8T341B20WW |
|               | 5,310              |                       |                   |         |                       | 158             |          | 5000    |                |              |                        |                |                  | SI-B8R341B20WW |
| LT-M562A Gen2 | 1,580              | 11.2                  | 24.8              | 450     | 540                   | 141             | 80       | 3000    | 115            | 560x18x5.8   | -20~+50                | 50,000         | ENEC, CE UL, cUL | SI-B8V113560WW |
|               | 1,605              |                       |                   |         |                       | 144             |          | 3500    |                |              |                        |                |                  | SI-B8U113560WW |
|               | 1,650              |                       |                   |         |                       | 148             |          | 4000    |                |              |                        |                |                  | SI-B8T113560WW |
|               | 1,650              |                       |                   |         |                       | 148             |          | 5000    |                |              |                        |                |                  | SI-B8R113560WW |
| LT-M562B Gen2 | 2,105              | 14.9                  | 24.8              | 600     | 720                   | 141             | 80       | 3000    | 115            | 560x18x5.8   | -20~+50                | 50,000         | ENEC, CE UL, cUL | SI-B8V152560WW |
|               | 2,140              |                       |                   |         |                       | 144             |          | 3500    |                |              |                        |                |                  | SI-B8U152560WW |
|               | 2,200              |                       |                   |         |                       | 148             |          | 4000    |                |              |                        |                |                  | SI-B8T152560WW |
|               | 2,200              |                       |                   |         |                       | 148             |          | 5000    |                |              |                        |                |                  | SI-B8R152560WW |
| LT-M562C Gen2 | 2,535              | 16.8                  | 24.0              | 700     | 1,080                 | 151             | 80       | 3000    | 115            | 560x18x5.8   | -20~+50                | 50,000         | ENEC, CE UL, cUL | SI-B8V172560WW |
|               | 2,575              |                       |                   |         |                       | 153             |          | 3500    |                |              |                        |                |                  | SI-B8U172560WW |
|               | 2,655              |                       |                   |         |                       | 158             |          | 4000    |                |              |                        |                |                  | SI-B8T172560WW |
|               | 2,655              |                       |                   |         |                       | 158             |          | 5000    |                |              |                        |                |                  | SI-B8R172560WW |
| LT-M282A Gen2 | 790                | 5.6                   | 12.4              | 450     | 540                   | 142             | 80       | 3000    | 115            | 275x18x5.8   | -20~+50                | 50,000         | ENEC, CE UL, cUL | SI-B8V052280WW |
|               | 800                |                       |                   |         |                       | 143             |          | 3500    |                |              |                        |                |                  | SI-B8U052280WW |
|               | 825                |                       |                   |         |                       | 148             |          | 4000    |                |              |                        |                |                  | SI-B8T052280WW |
|               | 825                |                       |                   |         |                       | 148             |          | 5000    |                |              |                        |                |                  | SI-B8R052280WW |
| LT-M282B Gen2 | 1,050              | 7.4                   | 24.8              | 300     | 360                   | 141             | 80       | 3000    | 115            | 275x18x5.8   | -20~+50                | 50,000         | ENEC, CE UL, cUL | SI-B8V072280WW |
|               | 1,070              |                       |                   |         |                       | 144             |          | 3500    |                |              |                        |                |                  | SI-B8U072280WW |
|               | 1,100              |                       |                   |         |                       | 148             |          | 4000    |                |              |                        |                |                  | SI-B8T072280WW |
|               | 1,100              |                       |                   |         |                       | 148             |          | 5000    |                |              |                        |                |                  | SI-B8R072280WW |
| LT-M282C Gen2 | 1,580              | 11.2                  | 24.8              | 450     | 540                   | 142             | 80       | 3000    | 115            | 275x18x5.8   | -20~+50                | 50,000         | ENEC, CE UL, cUL | SI-B8V114280WW |
|               | 1,605              |                       |                   |         |                       | 144             |          | 3500    |                |              |                        |                |                  | SI-B8U114280WW |
|               | 1,650              |                       |                   |         |                       | 148             |          | 4000    |                |              |                        |                |                  | SI-B8T114280WW |
|               | 1,650              |                       |                   |         |                       | 148             |          | 5000    |                |              |                        |                |                  | SI-B8R114280WW |

M-series



| Type     | Luminous Flux (lm) | Power Consumption (W) | Input Voltage (V) | IF (mA) | I <sub>max</sub> (mA) | Efficacy (lm/W) | CRI Min. | CCT (K) | Beam Angle (°) | Size (mm)  | Temperature Range (°C) | Lifetime (hrs) | Certification | Model Name     |
|----------|--------------------|-----------------------|-------------------|---------|-----------------------|-----------------|----------|---------|----------------|------------|------------------------|----------------|---------------|----------------|
| LT-M562F | 1,205              | 11.2                  | 24.8              | 450     | 540                   | 108             | 90       | 2700    | 115            | 560x18x5.8 | -20~+50                | 50,000         | UL, cUL       | SI-B9W111560WW |
|          | 1,225              |                       |                   |         |                       | 110             |          | 3000    |                |            |                        |                |               | SI-B9V111560WW |
|          | 1,250              |                       |                   |         |                       | 112             |          | 3500    |                |            |                        |                |               | SI-B9U111560WW |
|          | 1,300              |                       |                   |         |                       | 116             |          | 4000    |                |            |                        |                |               | SI-B9T111560WW |
| LT-M562G | 1,605              | 14.9                  | 24.8              | 600     | 720                   | 108             | 90       | 2700    | 115            | 560x18x5.8 | -20~+50                | 50,000         | UL, cUL       | SI-B9W151560WW |
|          | 1,635              |                       |                   |         |                       | 110             |          | 3000    |                |            |                        |                |               | SI-B9V151560WW |
|          | 1,670              |                       |                   |         |                       | 112             |          | 3500    |                |            |                        |                |               | SI-B9U151560WW |
|          | 1,730              |                       |                   |         |                       | 116             |          | 4000    |                |            |                        |                |               | SI-B9T151560WW |
| LT-M562H | 1,935              | 16.8                  | 24.0              | 700     | 1,080                 | 115             | 90       | 2700    | 115            | 560x18x5.8 | -20~+50                | 50,000         | UL, cUL       | SI-B9W171560WW |
|          | 1,970              |                       |                   |         |                       | 117             |          | 3000    |                |            |                        |                |               | SI-B9V171560WW |
|          | 2,010              |                       |                   |         |                       | 120             |          | 3500    |                |            |                        |                |               | SI-B9U171560WW |
|          | 2,085              |                       |                   |         |                       | 124             |          | 4000    |                |            |                        |                |               | SI-B9T171560WW |
| LT-M272F | 600                | 5.6                   | 12.4              | 450     | 540                   | 108             | 90       | 2700    | 115            | 275x18x5.8 | -20~+50                | 50,000         | UL, cUL       | SI-B9W051280WW |
|          | 615                |                       |                   |         |                       | 110             |          | 3000    |                |            |                        |                |               | SI-B9V051280WW |
|          | 625                |                       |                   |         |                       | 112             |          | 3500    |                |            |                        |                |               | SI-B9U051280WW |
|          | 650                |                       |                   |         |                       | 116             |          | 4000    |                |            |                        |                |               | SI-B9T051280WW |
| LT-M272G | 800                | 7.4                   | 24.8              | 300     | 360                   | 108             | 90       | 2700    | 115            | 275x18x5.8 | -20~+50                | 50,000         | UL, cUL       | SI-B9W071280WW |
|          | 820                |                       |                   |         |                       | 110             |          | 3000    |                |            |                        |                |               | SI-B9V071280WW |
|          | 835                |                       |                   |         |                       | 112             |          | 3500    |                |            |                        |                |               | SI-B9U071280WW |
|          | 865                |                       |                   |         |                       | 116             |          | 4000    |                |            |                        |                |               | SI-B9T071280WW |
| LT-M272H | 1,205              | 11.2                  | 24.8              | 450     | 540                   | 108             | 90       | 2700    | 115            | 275x18x5.8 | -20~+50                | 50,000         | UL, cUL       | SI-B9W113280WW |
|          | 1,225              |                       |                   |         |                       | 110             |          | 3000    |                |            |                        |                |               | SI-B9V113280WW |
|          | 1,250              |                       |                   |         |                       | 112             |          | 3500    |                |            |                        |                |               | SI-B9U113280WW |
|          | 1,300              |                       |                   |         |                       | 116             |          | 4000    |                |            |                        |                |               | SI-B9T113280WW |

V-series



LT-VB22A



LT-VB22B



LT-V562A



LT-V562B



LT-V282A



LT-V282B

| 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-VB22A | 2,696              | 21.2                  | 25.2              | 840     | 1,080     | 127             | 80       | 3000    | 115            | 1,120x18x5.5 | -20~+50                | 50,000         | UL, cUL       | SI-B8V221B2CUS |
|          | 2,800              |                       |                   |         |           | 132             |          |         |                |              |                        |                |               | SI-B8U221B2CUS |
|          | 2,904              |                       |                   |         |           | 137             |          |         |                |              |                        |                |               | SI-B8T221B2CUS |
|          | 2,904              |                       |                   |         |           | 137             |          |         |                |              |                        |                |               | SI-B8R221B2CUS |
| LT-VB22B | 4,090              | 32.0                  | 25.4              | 1,260   | 1,440     | 128             | 80       | 3000    | 115            | 1,120x18x5.5 | -20~+50                | 50,000         | UL, cUL       | SI-B8V301B2CUS |
|          | 4,220              |                       |                   |         |           | 132             |          |         |                |              |                        |                |               | SI-B8U301B2CUS |
|          | 4,310              |                       |                   |         |           | 135             |          |         |                |              |                        |                |               | SI-B8T301B2CUS |
|          | 4,310              |                       |                   |         |           | 135             |          |         |                |              |                        |                |               | SI-B8R301B2CUS |
| LT-V562A | 1,348              | 10.6                  | 25.2              | 420     | 540       | 127             | 80       | 3000    | 115            | 560x18x5.5   | -20~+50                | 50,000         | UL, cUL, CE   | SI-B8V111560CC |
|          | 1,400              |                       |                   |         |           | 132             |          |         |                |              |                        |                |               | SI-B8U111560CC |
|          | 1,452              |                       |                   |         |           | 137             |          |         |                |              |                        |                |               | SI-B8T111560CC |
|          | 1,452              |                       |                   |         |           | 137             |          |         |                |              |                        |                |               | SI-B8R111560CC |
| LT-V562B | 2,045              | 16.0                  | 25.4              | 630     | 720       | 128             | 80       | 3000    | 115            | 560x18x5.5   | -20~+50                | 50,000         | UL, cUL, CE   | SI-B8V151560CC |
|          | 2,109              |                       |                   |         |           | 132             |          |         |                |              |                        |                |               | SI-B8U151560CC |
|          | 2,157              |                       |                   |         |           | 135             |          |         |                |              |                        |                |               | SI-B8T151560CC |
|          | 2,157              |                       |                   |         |           | 135             |          |         |                |              |                        |                |               | SI-B8R151560CC |
| LT-V282A | 724                | 5.7                   | 12.6              | 450     | 540       | 128             | 80       | 3000    | 115            | 275x18x5.5   | -20~+50                | 50,000         | UL, cUL, CE   | SI-B8V061280CC |
|          | 746                |                       |                   |         |           | 132             |          |         |                |              |                        |                |               | SI-B8U061280CC |
|          | 769                |                       |                   |         |           | 136             |          |         |                |              |                        |                |               | SI-B8T061280CC |
|          | 769                |                       |                   |         |           | 136             |          |         |                |              |                        |                |               | SI-B8R061280CC |
| LT-V282B | 965                | 7.6                   | 25.2              | 300     | 360       | 128             | 80       | 3000    | 115            | 275x18x5.5   | -20~+50                | 50,000         | UL, cUL, CE   | SI-B8V081280CC |
|          | 995                |                       |                   |         |           | 132             |          |         |                |              |                        |                |               | SI-B8U081280CC |
|          | 1,026              |                       |                   |         |           | 136             |          |         |                |              |                        |                |               | SI-B8T081280CC |
|          | 1,026              |                       |                   |         |           | 136             |          |         |                |              |                        |                |               | SI-B8R081280CC |

S-series



LT-S562H (High Voltage)



LT-S282H

| 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-S562H | 2,155              | 13.2                  | 46.9              | 280     | 540       | 163             | 80       | 4000    | 115            | 559.7×23.8× 5.8 (Front CNT)<br>559.7×23.8× 7.4 (Rear CNT) | -20~+50                | 50,000         | CE, ENEC      | SI-B8V13156SEU(Front CNT)<br>SI-B8V13256SEU(Rear CNT) |
|          | 2,250              |                       |                   |         |           | 170             |          |         |                |                                                           |                        |                |               | SI-B8T13156SEU(Front CNT)<br>SI-B8T13256SEU(Rear CNT) |
|          | 2,250              |                       |                   |         |           | 170             |          |         |                |                                                           |                        |                |               | SI-B8P13156SEU(Front CNT)<br>SI-B8P13256SEU(Rear CNT) |
| LT-S282H | 1,070              | 6.6                   | 23.4              | 280     | 540       | 163             | 80       | 4000    | 115            | 279.7×23.8× 5.8 (Front CNT)<br>279.7×23.8× 7.4 (Rear CNT) | -20~+50                | 50,000         | CE, ENEC      | SI-B8V07128VEU(Front CNT)<br>SI-B8V07128VEU(Rear CNT) |
|          | 1,120              |                       |                   |         |           | 170             |          |         |                |                                                           |                        |                |               | SI-B8T07128VEU(Front CNT)<br>SI-B8T07128VEU(Rear CNT) |
|          | 1,120              |                       |                   |         |           | 170             |          |         |                |                                                           |                        |                |               | SI-B8P07128VEU(Front CNT)<br>SI-B8P07128VEU(Rear CNT) |

※ Front CNT: Front wiring connection / Rear CNT: Rear wiring connection

R-series



LT-R286A

| 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-R286A | 1,433              | 9.4                   | 32.3              | 290     | 540       | 153             | 80       | 4000    | 115            | 280×55×5.8 (Front CNT)<br>279.7×23.8×7.4 (Rear CNT) | -20~+50                | 50,000         | ENEC, CE, VDE | SI-B8V09A280WW(Front CNT)<br>SI-B8V09B280WW(Rear CNT) |
|          | 1,501              |                       |                   |         |           | 160             |          |         |                |                                                     |                        |                |               | SI-B8T09A280WW(Front CNT)<br>SI-B8T09B280WW(Rear CNT) |
|          | 1,547              |                       |                   |         |           | 165             |          |         |                |                                                     |                        |                |               | SI-B8R09A280WW(Front CNT)<br>SI-B8R09B280WW(Rear CNT) |
|          | 1,501              |                       |                   |         |           | 160             |          |         |                |                                                     |                        |                |               | SI-B8P09A280WW(Front CNT)<br>SI-B8P09B280WW(Rear CNT) |

※ Front CNT: Front wiring connection / Rear CNT: Rear wiring connection

Ambient Light | Area Platform Module



High efficacy ambient modules that are cost-effective and deliver high uniformity of light

- Enabling slimmer luminaire design with integrated optical technology (LAM Type)
- Value added optical technology designed by Samsung (LAM Type)
- Uses Samsung's LM561B Plus package which has completed LM-80 test, for proven reliability and performance
- Optimized number of packages for superior light uniformity
- Good thermal performance resulting in enhanced luminaire lifetime
- Easy to design-in

| Product                                                                                         | Key Features                                                                                                                                  | Efficacy (lm/W) | Lifespan |
|-------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------|
|  LAM type    | <ul style="list-style-type: none"><li>• Best solution for slim luminaire design</li><li>• Good uniformity even curved optic design</li></ul>  | ●●○○○           | ●●●●●    |
|  Finger type | <ul style="list-style-type: none"><li>• Better uniformity solution for flat panel type</li><li>• High efficacy up to 186lm/W @4000K</li></ul> | ●●●●●           | ●●●●●    |

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LAM type



LAM-SQ30C



LAM-RT30C



LAM-SQ32B

| 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                       |
|------------------------|--------------------|-----------------------|-------------------|---------|-----------|-----------------|----------|---------|----------------|----------------------------|------------------------|----------------|---------------|----------------------------------|
| LAM-SQ30C<br>LAM-RT30C | 1,445              | 10.6                  | 30.2              | 350     | 540       | 137             | 80       | 3500    | 145            | 259x250x6.6<br>216x273x6.6 | -20~+50                | 50,000         | CE, ENEC      | SI-B8V114250WW<br>SI-B8V116280WW |
|                        | 1,515              |                       |                   |         |           | 143             |          | 4000    |                |                            |                        |                |               | SI-B8T114250WW<br>SI-B8T116280WW |
|                        | 1,515              |                       |                   |         |           | 143             |          | 5000    |                |                            |                        |                |               | SI-B8P114250WW<br>SI-B8P116280WW |
| LAM-SQ32B              | 1,300              | 9.0                   | 23.5              | 385     | 600       | 144             | 80       | 3500    | 145            | 259x250x6.6                | -20~+50                | 50,000         | UL, cUL       | SI-B8U09526001                   |
|                        | 1,340              |                       |                   |         |           | 148             |          | 4000    |                |                            |                        |                |               | SI-B8T09526001                   |
|                        | 1,380              |                       |                   |         |           | 153             |          | 5000    |                |                            |                        |                |               | SI-B8R09526001                   |

Finger type



Finger-SQ64C



Finger-RT64C



Finger-SQ30C



Finger-RT30C



Finger-SQ32B

| 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                       |
|------------------------------|--------------------|-----------------------|-------------------|---------|-----------|-----------------|----------|---------|----------------|----------------------------|------------------------|----------------|---------------|----------------------------------|
| Finger-SQ64C<br>Finger-RT64C | 1,385              | 7.8                   | 11.2              | 700     | 2,400     | 178             | 80       | 3000    | 115            | 259x250x5.8<br>230x273x5.8 | -20~+50                | 50,000         | CE, ENEC      | SI-B8V102250WW<br>SI-B8V104280WW |
|                              | 1,405              |                       |                   |         |           | 180             |          | 3500    |                |                            |                        |                |               | SI-B8U102250WW<br>SI-B8U104280WW |
|                              | 1,450              |                       |                   |         |           | 186             |          | 4000    |                |                            |                        |                |               | SI-B8T102250WW<br>SI-B8T104280WW |
|                              | 1,495              |                       |                   |         |           | 192             |          | 5000    |                |                            |                        |                |               | SI-B8R102250WW<br>SI-B8R104280WW |
|                              | 1,450              |                       |                   |         |           | 186             |          | 6500    |                |                            |                        |                |               | SI-B8P102250WW<br>SI-B8P104280WW |
| Finger-SQ30C<br>Finger-RT30C | 1,535              | 10.6                  | 30.2              | 350     | 540       | 145             | 80       | 3000    | 115            | 259x250x5.8<br>216x273x5.8 | -20~+50                | 50,000         | CE, ENEC      | SI-B8V113250WW<br>SI-B8V115280WW |
|                              | 1,610              |                       |                   |         |           | 152             |          | 4000    |                |                            |                        |                |               | SI-B8T113250WW<br>SI-B8T115280WW |
|                              | 1,610              |                       |                   |         |           | 152             |          | 6500    |                |                            |                        |                |               | SI-B8P113250WW<br>SI-B8P115280WW |
| Finger-SQ32B                 | 1,370              | 9.0                   | 23.5              | 385     | 600       | 151             | 80       | 3500    | 115            | 259x250x5.8                | -20~+50                | 50,000         | UL, cUL       | SI-B8U09626001                   |
|                              | 1,410              |                       |                   |         |           | 156             |          | 4000    |                |                            |                        |                |               | SI-B8T09626001                   |
|                              | 1,450              |                       |                   |         |           | 160             |          | 5000    |                |                            |                        |                |               | SI-B8R09626001                   |

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# Industrial Light | Linear Platform Module



## Superior performance for high flux luminaires in industrial lighting

- Optimized for industrial lighting applications to replace T8/T5HO
- Reduced thermal resistance using Samsung's mid-power LED, LM561B+/LM301A
- Better uniformity & cost effective

| Product                                                                                           | Key Features                                                                                                                                                                                                                   | Efficacy (lm/W) | Lifespan |
|---------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------|
|  F-series Gen2 | <ul style="list-style-type: none"><li>• High lumen density of 4,650lm to replace 3~5 tubes in High/lowbay applications</li><li>• Platform &amp; Flexible design choices</li><li>• High efficacy up to 144lm/W @4000K</li></ul> | ●●●○○           | ●●●●●    |
|  inFlux        | <ul style="list-style-type: none"><li>• Wide lumen flux coverage up to 40,000 lm by module combination</li><li>• Adopted high reliable MPL solution, LM301A</li><li>• High efficacy up to 137lm/W @4000K</li></ul>             | ●●●○○           | ●●●●●    |

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## F-series

|                                                                                     |             |
|-------------------------------------------------------------------------------------|-------------|
|  | LT-F562A_G2 |
|  | LT-F564A    |

| 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-F562A Gen2 | 4,605              | 33.5                  | 24.8              | 1,350   | 1,620     | 138             | 80       | 3000    | 115            | 560x18x5.2   | -20~+50                | 50,000         | ENEC, CE UL, cUL | SL-B8V342560WW |
|               | 4,680              |                       |                   |         |           | 140             |          | 3500    |                |              |                        |                |                  | SL-B8U342560WW |
|               | 4,820              |                       |                   |         |           | 144             |          | 4000    |                |              |                        |                |                  | SL-B8T342560WW |
|               | 4,820              |                       |                   |         |           | 144             |          | 5000    |                |              |                        |                |                  | SL-B8R342560WW |
| LT-F564A      | 8,810              | 74.4                  | 49.6              | 1,500   | 1,500     | 118             | 80       | 3500    | 115            | 558.8x40x5.9 | -20~+50                | 50,000         | UL, cUL          | SLB8U7NK0L2WW  |
|               | 8,850              |                       |                   |         |           | 119             |          | 4000    |                |              |                        |                |                  | SLB8T7NK0L2WW  |
|               | 9,050              |                       |                   |         |           | 122             |          | 5000    |                |              |                        |                |                  | SLB8R7NK0L2WW  |

## inFlux series

|                                                                                       |            |
|---------------------------------------------------------------------------------------|------------|
|    | inFlux_L03 |
|    | inFlux_L04 |
|   | inFlux_L09 |
|  | inFlux_S01 |
|  | inFlux_S02 |
|  | inFlux_S04 |

| 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     |
|------------|--------------------|-----------------------|-------------------|---------|-----------|-----------------|----------|---------|----------------|------------|------------------------|----------------|-------------------|----------------|
| inFlux_L03 | 2,620              | 20.8                  | 18.1              | 1,150   | 1,150     | 126             | 80       | 3000    | 120            | 560x24x5.9 | -20~+50                | 50,000         | ENEC, CE, UL, cUL | SL-B8V2N60L1WW |
|            | 2,670              |                       |                   |         |           | 128             |          | 3500    |                |            |                        |                |                   | SL-B8U2N60L1WW |
|            | 2,840              |                       |                   |         |           | 137             |          | 4000    |                |            |                        |                |                   | SL-B8T2N60L1WW |
|            | 2,930              |                       |                   |         |           | 141             |          | 5000    |                |            |                        |                |                   | SL-B8R2N60L1WW |
| inFlux_L04 | 4,190              | 33.3                  | 24.1              | 1,380   | 1,380     | 126             | 80       | 3000    | 120            | 560x24x5.9 | -20~+50                | 50,000         | ENEC, CE, UL, cUL | SL-B8V3N80L1WW |
|            | 4,260              |                       |                   |         |           | 128             |          | 3500    |                |            |                        |                |                   | SL-B8U3N80L1WW |
|            | 4,540              |                       |                   |         |           | 137             |          | 4000    |                |            |                        |                |                   | SL-B8T3N80L1WW |
|            | 4,690              |                       |                   |         |           | 141             |          | 5000    |                |            |                        |                |                   | SL-B8R3N80L1WW |
| inFlux_L09 | 8,390              | 66.6                  | 48.2              | 1,380   | 1,380     | 126             | 80       | 3000    | 120            | 560x40x5.9 | -20~+50                | 50,000         | ENEC, CE, UL, cUL | SL-B8V7N90L1WW |
|            | 8,530              |                       |                   |         |           | 128             |          | 3500    |                |            |                        |                |                   | SL-B8U7N90L1WW |
|            | 9,100              |                       |                   |         |           | 137             |          | 4000    |                |            |                        |                |                   | SL-B8T7N90L1WW |
|            | 9,380              |                       |                   |         |           | 141             |          | 5000    |                |            |                        |                |                   | SL-B8R7N90L1WW |
| inFlux_S01 | 1,310              | 10.4                  | 9.1               | 1,150   | 1,150     | 126             | 80       | 3000    | 120            | 280x24x5.9 | -20~+50                | 50,000         | ENEC, CE, UL, cUL | SL-B8V1N00L1WW |
|            | 1,335              |                       |                   |         |           | 128             |          | 3500    |                |            |                        |                |                   | SL-B8U1N00L1WW |
|            | 1,420              |                       |                   |         |           | 137             |          | 4000    |                |            |                        |                |                   | SL-B8T1N00L1WW |
|            | 1,465              |                       |                   |         |           | 141             |          | 5000    |                |            |                        |                |                   | SL-B8R1N00L1WW |
| inFlux_S02 | 2,095              | 16.6                  | 12.1              | 1,380   | 1,380     | 126             | 80       | 3000    | 120            | 280x24x5.9 | -20~+50                | 50,000         | ENEC, CE, UL, cUL | SL-B8V1N40L1WW |
|            | 2,130              |                       |                   |         |           | 128             |          | 3500    |                |            |                        |                |                   | SL-B8U1N40L1WW |
|            | 2,270              |                       |                   |         |           | 137             |          | 4000    |                |            |                        |                |                   | SL-B8T1N40L1WW |
|            | 2,345              |                       |                   |         |           | 141             |          | 5000    |                |            |                        |                |                   | SL-B8R1N40L1WW |
| inFlux_S04 | 4,195              | 33.3                  | 24.1              | 1,380   | 1,380     | 126             | 80       | 3000    | 120            | 280x40x5.9 | -20~+50                | 50,000         | ENEC, CE, UL, cUL | SL-B8V4N80L1WW |
|            | 4,265              |                       |                   |         |           | 128             |          | 3500    |                |            |                        |                |                   | SL-B8U4N80L1WW |
|            | 4,550              |                       |                   |         |           | 137             |          | 4000    |                |            |                        |                |                   | SL-B8T4N80L1WW |
|            | 4,690              |                       |                   |         |           | 141             |          | 5000    |                |            |                        |                |                   | SL-B8R4N80L1WW |

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# 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 applications including general flood light, spotlight and ceiling light
- Best color consistency derived from Samsung's extensive binning expertise

|                                                                                     | Product           | Key Features                                                                                                                                                                                                                                   | Efficacy (lm/W) | Lifespan |
|-------------------------------------------------------------------------------------|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------|
|  | CSP Spot          | <ul style="list-style-type: none"><li>• Designed following Zhaga specification, excellent compatibility of eco-partner's component</li><li>• Possible to design various sizes of downlights</li></ul>                                          | ●●●○○           | ●●●●○    |
|  | CSP Spot Tunable  | <ul style="list-style-type: none"><li>• 1,000/2,000lm color tunable solution (2700K-5000K) with a small LES</li></ul>                                                                                                                          | ●●●○○           | ●●●●○    |
|  | Spot Module       | <ul style="list-style-type: none"><li>• High efficacy up to 162lm/W</li><li>• Easy installation by poke-in type holder</li><li>• Designed following Zhaga specification</li></ul>                                                              | ●●●●●           | ●●●●●    |
|  | Round Module Gen4 | <ul style="list-style-type: none"><li>• Better to small optic design</li><li>• Possible to design 3~7inch downlight</li><li>• Suitable for various applications including general flood lighting, spotlight and ceiling applications</li></ul> | ●●●●○           | ●●●●○    |
|  | ACOM DLE          | <ul style="list-style-type: none"><li>• Quickly and easily integrated</li><li>• Simplified downlight design possibilities</li></ul>                                                                                                            | ●●●○○           | ●●●○○    |

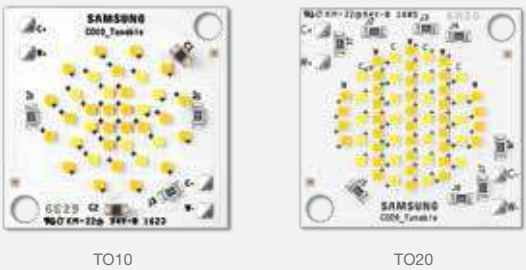
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## CSP Spot



| Type | Luminous Flux (lm) | Power Consumption (W) | Input Voltage (V) | IF (mA) | I <sub>max</sub> (mA) | Efficacy (lm/W) | T <sub>p</sub> (°C) | CRI Min. | CCT (K) | Beam Angle (°) | Size (mm) | Temperature Range (°C) | Lifetime (hrs) | Certification | Model Name     |
|------|--------------------|-----------------------|-------------------|---------|-----------------------|-----------------|---------------------|----------|---------|----------------|-----------|------------------------|----------------|---------------|----------------|
| CO10 | 1,010              | 9.4                   | 23.5              | 400     | 700                   | 107             | 65                  | 80       | 2700    | 150            | 19x19x2.2 | -20~+50                | 50,000         | TBD           | SI-N8W0916E0WW |
|      | 1,050              |                       |                   |         |                       | 112             |                     |          | 3000    |                |           |                        |                |               | SI-N8V0916E0WW |
|      | 1,070              |                       |                   |         |                       | 114             |                     |          | 3500    |                |           |                        |                |               | SI-N8U0916E0WW |
|      | 1,140              |                       |                   |         |                       | 121             |                     |          | 4000    |                |           |                        |                |               | SI-N8T0916E0WW |
| CO20 | 1,980              | 18.3                  | 23.4              | 780     | 1,400                 | 108             | 65                  | 80       | 2700    | 140            | 19x19x2.2 | -20~+50                | 50,000         | TBD           | SI-N8W1816E0WW |
|      | 2,060              |                       |                   |         |                       | 113             |                     |          | 3000    |                |           |                        |                |               | SI-N8V1816E0WW |
|      | 2,110              |                       |                   |         |                       | 116             |                     |          | 3500    |                |           |                        |                |               | SI-N8U1816E0WW |
|      | 2,240              |                       |                   |         |                       | 123             |                     |          | 4000    |                |           |                        |                |               | SI-N8T1816E0WW |
| CO30 | 2,980              | 27.4                  | 23.4              | 1,170   | 2,100                 | 109             | 65                  | 80       | 2700    | 145            | 28x28x2.2 | -20~+50                | 50,000         | TBD           | SI-N8W2716E0WW |
|      | 3,090              |                       |                   |         |                       | 113             |                     |          | 3000    |                |           |                        |                |               | SI-N8V2716E0WW |
|      | 3,160              |                       |                   |         |                       | 115             |                     |          | 3500    |                |           |                        |                |               | SI-N8U2716E0WW |
|      | 3,360              |                       |                   |         |                       | 123             |                     |          | 4000    |                |           |                        |                |               | SI-N8T2716E0WW |
| CO40 | 1,010              | 36.5                  | 23.4              | 1,560   | 2,800                 | 109             | 65                  | 80       | 2700    | 140            | 28x28x2.2 | -20~+50                | 50,000         | TBD           | SI-N8W3616E0WW |
|      | 1,050              |                       |                   |         |                       | 113             |                     |          | 3000    |                |           |                        |                |               | SI-N8V3616E0WW |
|      | 1,070              |                       |                   |         |                       | 115             |                     |          | 3500    |                |           |                        |                |               | SI-N8U3616E0WW |
|      | 1,140              |                       |                   |         |                       | 123             |                     |          | 4000    |                |           |                        |                |               | SI-N8T3616E0WW |

## CSP Spot Tunable



| Type | Luminous Flux (lm) | Power Consumption (W) | Input Voltage (V) | IF (mA) | I <sub>max</sub> (mA) | Efficacy (lm/W) | T <sub>p</sub> (°C) | CRI Min. | CCT (K) | Beam Angle (°) | Size (mm) | Temperature Range (°C) | Lifetime (hrs) | Certification | Model Name     |
|------|--------------------|-----------------------|-------------------|---------|-----------------------|-----------------|---------------------|----------|---------|----------------|-----------|------------------------|----------------|---------------|----------------|
| TO10 | 1,060              | 9.2                   | 34.1              | 270     | -                     | 115             | 65                  | 80       | 2700    | 150            | 28x28x2.2 | -20~+50                | 50,000         | TBD           | SI-N8B1016E0WW |
|      | 1,150              | 9.8                   | 36.2              | -       | -                     | 118             | -                   | -        | 5000    | 145            | -         | -                      | -              | -             | -              |
| TO20 | 1,970              | 17.7                  | 34.7              | 510     | -                     | 111             | 65                  | 80       | 2700    | 140            | 28x28x2.2 | -20~+50                | 50,000         | TBD           | SI-N8B1816E0WW |
|      | 2,190              | 18.4                  | 36.0              | -       | -                     | 119             | -                   | -        | 5000    | -              | -         | -                      | -              | -             | -              |

SAMSUNG

Spot Module



SLE-013

SLE-026

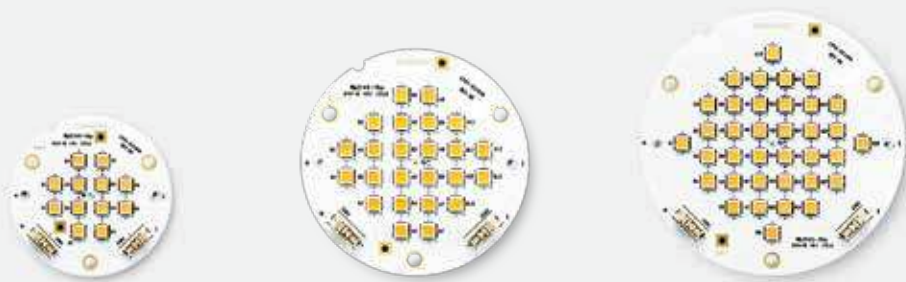
SLE-033

SLE-040

| Type    | Luminous Flux (lm) | Power Consumption (W) | Input Voltage (V) | IF (mA) | Imax (mA) | Efficacy (lm/W) | Tp (°C) | CRI Min. | CCT (K) | Beam Angle (°) | Size (mm) | Temperature Range (°C) | Lifetime (hrs) | Certification     | Model Name     |
|---------|--------------------|-----------------------|-------------------|---------|-----------|-----------------|---------|----------|---------|----------------|-----------|------------------------|----------------|-------------------|----------------|
| SLE-013 | 1,200              | 8.4                   | 33.5              | 250     | 350       | 143             | 75      | 80       | 2700    | 115            | φ50x6.7   | -20~+50                | 60,000         | ENEC, CE, UL, cUL | SI-N8W1312B0WW |
|         | 1,240              |                       |                   |         |           | 148             |         |          | 3000    |                |           |                        |                |                   | SI-N8V1312B0WW |
|         | 1,310              |                       |                   |         |           | 156             |         |          | 3500    |                |           |                        |                |                   | SI-N8U1312B0WW |
|         | 1,240              |                       |                   |         |           | 148             |         |          | 4000    |                |           |                        |                |                   | SI-N8T1312B0WW |
|         | 1,300              |                       |                   |         |           | 155             | 90      |          | 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 |
|         | 2,530              |                       |                   |         |           | 151             |         |          | 2700    |                |           |                        |                |                   | SI-N8W2612B0WW |
| SLE-026 | 2,540              | 16.8                  | 33.5              | 500     | 700       | 152             | 75      | 80       | 3000    | 115            | φ50x6.7   | -20~+50                | 60,000         | ENEC, CE, UL, cUL | SI-N8V2612B0WW |
|         | 2,600              |                       |                   |         |           | 155             |         |          | 3500    |                |           |                        |                |                   | SI-N8U2612B0WW |
|         | 2,700              |                       |                   |         |           | 161             |         |          | 4000    |                |           |                        |                |                   | SI-N8T2612B0WW |
|         | 2,720              |                       |                   |         |           | 162             |         |          | 5000    |                |           |                        |                |                   | SI-N8R2612B0WW |
|         | 2,050              |                       |                   |         |           | 122             | 90      |          | 2700    |                |           |                        |                |                   | SI-N9W2612B0WW |
|         | 2,080              |                       |                   |         |           | 124             |         |          | 3000    |                |           |                        |                |                   | SI-N9V2612B0WW |
|         | 2,140              |                       |                   |         |           | 128             |         |          | 3500    |                |           |                        |                |                   | SI-N9U2612B0WW |
|         | 2,250              |                       |                   |         |           | 134             |         |          | 4000    |                |           |                        |                |                   | SI-N9T2612B0WW |
|         | 3,350              |                       |                   |         |           | 142             |         |          | 2700    |                |           |                        |                |                   | SI-N8W3312B0WW |
|         | 3,540              |                       |                   |         |           | 150             |         |          | 3000    |                |           |                        |                |                   | SI-N8V3312B0WW |
| SLE-033 | 3,610              | 23.7                  | 33.8              | 700     | 900       | 153             | 75      | 80       | 3500    | 115            | φ50x6.7   | -20~+50                | 60,000         | ENEC, CE, UL, cUL | SI-N8U3312B0WW |
|         | 3,510              |                       |                   |         |           | 148             |         |          | 4000    |                |           |                        |                |                   | SI-N8T3312B0WW |
|         | 3,550              |                       |                   |         |           | 150             |         |          | 5000    |                |           |                        |                |                   | SI-N8R3312B0WW |
|         | 2,610              |                       |                   |         |           | 110             |         |          | 2700    |                |           |                        |                |                   | SI-N9W3312B0WW |
|         | 2,660              |                       |                   |         |           | 112             | 90      |          | 3000    |                |           |                        |                |                   | SI-N9V3312B0WW |
|         | 2,740              |                       |                   |         |           | 116             |         |          | 3500    |                |           |                        |                |                   | SI-N9U3312B0WW |
|         | 2,820              |                       |                   |         |           | 119             |         |          | 4000    |                |           |                        |                |                   | SI-N9T3312B0WW |
|         | 4,280              |                       |                   |         |           | 139             |         |          | 2700    |                |           |                        |                |                   | SI-N8W4012B0WW |
|         | 4,540              |                       |                   |         |           | 148             |         |          | 3000    |                |           |                        |                |                   | SI-N8V4012B0WW |
|         | 4,330              |                       |                   |         |           | 141             |         |          | 3500    |                |           |                        |                |                   | SI-N8U4012B0WW |
| SLE-040 | 4,510              | 30.7                  | 34.1              | 900     | 1,000     | 147             | 75      | 80       | 4000    | 115            | φ50x6.7   | -20~+50                | 60,000         | ENEC, CE, UL, cUL | SI-N8T4012B0WW |
|         | 4,560              |                       |                   |         |           | 149             |         |          | 5000    |                |           |                        |                |                   | SI-N8R4012B0WW |
|         | 3,280              |                       |                   |         |           | 107             |         |          | 2700    |                |           |                        |                |                   | SI-N9W4012B0WW |
|         | 3,330              |                       |                   |         |           | 109             | 90      |          | 3000    |                |           |                        |                |                   | SI-N9V4012B0WW |
|         | 3,410              |                       |                   |         |           | 111             |         |          | 3500    |                |           |                        |                |                   | SI-N9U4012B0WW |
|         | 3,530              |                       |                   |         |           | 115             |         |          | 4000    |                |           |                        |                |                   | SI-N9T4012B0WW |

※ UL, cUL: COB and holder received separately

Round Module Gen4



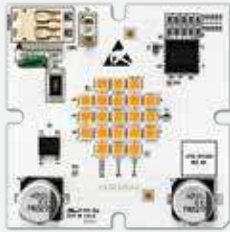
Round-040D

Round-050D

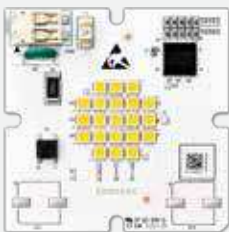
Round-060D

| Type       | Luminous Flux (lm) | Power Consumption (W) | Input Voltage (V) | IF (mA) | Imax (mA) | Efficacy (lm/W) | Tp (°C) | CRI Min. | CCT (K) | Beam Angle (°) | Size (mm) | Temperature Range (°C) | Lifetime (hrs) | Certification     | Model Name     |
|------------|--------------------|-----------------------|-------------------|---------|-----------|-----------------|---------|----------|---------|----------------|-----------|------------------------|----------------|-------------------|----------------|
| Round-040D | 950                | 8.2                   | 23.3              | 350     | 350       | 117             | 65      | 80       | 3000    | 115            | φ41x3.7   | -20~+50                | 50,000         | ENEC, CE, UL, cUL | SI-N8V0812B0WW |
|            | 980                |                       |                   |         |           | 121             |         |          | 3500    |                |           |                        |                |                   | SI-N8U0812B0WW |
|            | 1,000              |                       |                   |         |           | 123             |         |          | 4000    |                |           |                        |                |                   | SI-N8T0812B0WW |
| Round-050D | 1,940              | 16.5                  | 23.5              | 700     | 700       | 118             | 65      | 80       | 3000    | 115            | φ50x3.7   | -20~+50                | 50,000         | ENEC, CE, UL, cUL | SI-N8V1712B0WW |
|            | 1,990              |                       |                   |         |           | 121             |         |          | 3500    |                |           |                        |                |                   | SI-N8U1712B0WW |
|            | 2,030              |                       |                   |         |           | 124             |         |          | 4000    |                |           |                        |                |                   | SI-N8T1712B0WW |
| Round-060D | 2,850              | 24.5                  | 34.9              | 700     | 700       | 117             | 65      | 80       | 3000    | 115            | φ62x3.7   | -20~+50                | 50,000         | ENEC, CE, UL, cUL | SI-N8V2513B0WW |
|            | 2,930              |                       |                   |         |           | 120             |         |          | 3500    |                |           |                        |                |                   | SI-N8U2513B0WW |
|            | 2,980              |                       |                   |         |           | 122             |         |          | 4000    |                |           |                        |                |                   | SI-N8T2513B0WW |

ACOM DLE



Reduced Flicker



Low THD

| Type            | Luminous Flux (lm) | Power Consumption (W) | Input Voltage (V) | Percent Flicker (%) | THD (%) | Efficacy (lm/W) | Tp (°C) | CRI Min. | CCT (K) | Beam Angle (°) | Size (mm)  | Temperature Range (°C) | Lifetime (hrs) | Certification | Model Name     |
|-----------------|--------------------|-----------------------|-------------------|---------------------|---------|-----------------|---------|----------|---------|----------------|------------|------------------------|----------------|---------------|----------------|
| Reduced Flicker | 1,070              | 11.4                  | 120 (AC)          | 50                  | 19      | 94              | 65      | 80       | 2700    | 115            | 55x55x12.5 | -20~+50                | 50,000         | UL, cUL       | SI-N8W1113B1US |
|                 | 1,080              |                       |                   |                     |         | 95              |         |          | 3000    |                |            |                        |                |               | SI-N8V1113B1US |
|                 | 1,110              |                       |                   |                     |         | 98              |         |          | 3500    |                |            |                        |                |               | SI-N8U1113B1US |
|                 | 1,130              |                       |                   |                     |         | 100             |         |          | 4000    |                |            |                        |                |               | SI-N8T1113B1US |
|                 | 1,150              |                       |                   |                     |         | 101             | 77      | 90       | 5000    |                |            |                        |                |               | SI-N8R1113B1US |
|                 | 870                |                       |                   |                     |         | 77              |         |          | 2700    |                |            |                        |                |               | SI-N9W1113B1US |
|                 | 920                |                       |                   |                     |         | 81              |         |          | 3000    |                |            |                        |                |               | SI-N9V1113B1US |
|                 | 1,070              |                       |                   |                     |         | 94              |         |          | 2700    |                |            |                        |                |               | SI-N8W1123B1US |
| Low THD         | 1,080              | 11.5                  | 120 (AC)          | 100                 | 14      | 95              | 65      | 80       | 3000    | 115            | 55x55x12.5 | -20~+50                | 50,000         | UL, cUL       | SI-N8V1123B1US |
|                 | 1,110              |                       |                   |                     |         | 98              |         |          | 3500    |                |            |                        |                |               | SI-N8U1123B1US |
|                 | 1,130              |                       |                   |                     |         | 100             |         |          | 4000    |                |            |                        |                |               | SI-N8T1123B1US |
|                 | 1,150              |                       |                   |                     |         | 100             |         |          | 5000    |                |            |                        |                |               | SI-N8R1123B1US |

Outdoor 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

| Product                                                                                                          | Key Features                                                                                                                                                                                                                           | Efficacy (lm/W) | Lifespan |
|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------|
|  Modular Platform T-type Gen2 | <ul style="list-style-type: none"><li>• Total solution integrating LED+Optics+Thermal</li><li>• With LH351B, higher lumen density of 2,650lm</li><li>• IP66</li></ul>                                                                  | ●●●●○           | ●●●●○    |
|  Array Gen2                   | <ul style="list-style-type: none"><li>• Total solution integrating LED+Optics+Thermal</li><li>• High efficacy at module</li><li>• Suitable for flood and highbay lighting</li><li>• Robust design with waterproof durability</li></ul> | ●●●●○           | ●●●●●    |
|  HiLOM_2x8                    | <ul style="list-style-type: none"><li>• Greater design flexibility for various fixture designs</li><li>• High performance, 4,400lm (700mA) with efficacy of 132lm/W</li></ul>                                                          | ●●●●●           | ●●●●○    |

SAMSUNG

Modular Platform Engine



| Model       | Light Distribution                             | Heat Sink                | Connector                | Luminous Flux (lm) | Power Consumption (W) | Input Voltage (V) | IF (mA) | Imax (mA) | Efficacy (lm/W) | CRI Min. | CCT (K)                      | Weight (g) | Waterproof/Dustproof Grade | Temperature Range (Operation, Tc) | Certification | Model Name                                                           |  |  |  |  |  |  |  |  |                                  |
|-------------|------------------------------------------------|--------------------------|--------------------------|--------------------|-----------------------|-------------------|---------|-----------|-----------------|----------|------------------------------|------------|----------------------------|-----------------------------------|---------------|----------------------------------------------------------------------|--|--|--|--|--|--|--|--|----------------------------------|
| E-type Gen2 | Type2 Short                                    | With Fin                 | With connector           | 2,300<br>2,650     | 21                    | 30                | 700     | 1,000     | 100<br>114      | 80<br>75 | 3000<br>5000                 | 230        | IP66                       | -30~+80                           | CE, UL        | SL-P8V2V27MBWW<br>SL-PGR2V47MBWW                                     |  |  |  |  |  |  |  |  |                                  |
| F-type      | Type2 Medium<br>Beam angle 85                  | Without Fin              | Wire (without connector) | 2,400              | 21                    | 30                | 700     | 1,000     | 100             | 70       | 3000<br>4000<br>3000<br>4000 | 170        | IP66                       | +10~+90                           | CE            | SL-P7V2F32MBKI<br>SL-P7T2F32MBKI<br>SL-P7V2F385BKI<br>SL-P7T2F385BKI |  |  |  |  |  |  |  |  |                                  |
| T-type Gen2 | Type1 Short<br>Type2 Very Short<br>Type2 Short | With Fin                 | With connector           | 2,650              | 21                    | 30                | 700     | 1,000     | 126             | 75       | 5000                         | 295        | IP66                       | -30~+80                           | CE, UL        | SL-PGR2W53LBWW<br>SL-PGR2W53MBWW<br>SL-PGR2W57MBWW                   |  |  |  |  |  |  |  |  |                                  |
|             | Type1 Short<br>Type2 Very Short                |                          |                          |                    |                       |                   |         |           |                 |          |                              |            |                            |                                   |               | SL-PGQ2W53LBWW<br>SL-PGQ2W53MBWW                                     |  |  |  |  |  |  |  |  |                                  |
|             | Type1 Short<br>Type2 Very Short<br>Type2 Short |                          |                          |                    |                       |                   |         |           |                 |          |                              |            |                            |                                   |               | SL-PGR2W51SBGL<br>SL-PGR2W57SBGL                                     |  |  |  |  |  |  |  |  |                                  |
|             | Type2 Short                                    |                          |                          |                    |                       |                   |         |           |                 |          |                              |            |                            |                                   |               | SL-PGR2W52SBGL                                                       |  |  |  |  |  |  |  |  |                                  |
|             | Type2 Short                                    |                          |                          |                    |                       |                   |         |           |                 |          |                              |            |                            |                                   |               | SL-P7R2W5R1BGL                                                       |  |  |  |  |  |  |  |  |                                  |
|             | Type2 Long<br>Beam angle 85                    | Wire (without connector) |                          |                    |                       |                   |         |           |                 |          |                              |            |                            |                                   |               |                                                                      |  |  |  |  |  |  |  |  | SL-P7R2W5R2BGL<br>SL-P7R2W585BGL |

※ E-Type : with Fin (Thermal management by Engine) , F-type : without Fin (Thermal management by Fixture), T-Type : Flange with Fin (H/S with Tetra screw-holes)

Integrated array module



| Model      | Light Distribution | Heat Sink | Connector      | Luminous Flux (lm) | Power Consumption (W) | Input Voltage (V) | IF (mA) | Imax (mA) | Efficacy (lm/W) | CRI Min. | CCT (K) | Weight (g) | Waterproof/Dustproof Grade | Temperature Range (Operation, Tc) | Certification | Model Name     |
|------------|--------------------|-----------|----------------|--------------------|-----------------------|-------------------|---------|-----------|-----------------|----------|---------|------------|----------------------------|-----------------------------------|---------------|----------------|
| Array Gen2 | Type2 Short        | With Fin  | With connector | 6,450              | 47                    | 52.2              | 900     | 2000      | 137             | 70       | 5000    | 1,100      | IP66                       | -30~+80                           | -             | SL-IGR5E82SBWW |
|            | Type2 Short        |           |                |                    |                       |                   |         |           |                 |          |         |            |                            |                                   |               | SL-IGR7E97SBWW |
|            | Beam angle 70      |           |                | 9,700              | 70                    |                   |         |           | 139             |          |         | 1,660      |                            |                                   |               | SL-IGR7E970BWW |
|            | Beam angle 120     |           |                |                    |                       |                   |         |           |                 |          |         |            |                            |                                   |               | SL-IGR7E9C0BWW |

Separated linear platform module (Under development)



| Model     | Heat Sink | Luminous Flux (lm)      | Power Consumption (W) | Input Voltage (V) | IF (mA) | Imax (mA) | Efficacy (lm/W)   | CRI Min. | CCT (K)              | Beam Angle (°) | Weight (g) | Secondary Optic     | Temperature Range (Operation, Tc) | Certification | Model Name                                         |
|-----------|-----------|-------------------------|-----------------------|-------------------|---------|-----------|-------------------|----------|----------------------|----------------|------------|---------------------|-----------------------------------|---------------|----------------------------------------------------|
| HiLOM 2x8 | With Fin  | 4,110<br>4,370<br>4,550 | 33.2                  | 23.7              | 1,400   | 2000      | 124<br>132<br>137 | 70       | 3000<br>4000<br>5000 | 120            | 35         | LEDII STRADA series | -30~+60                           | -             | SL-B7V3B70L1WW<br>SL-B7T3B70L1WW<br>SL-B7R3B70L1WW |

※ HiLOM: High Luminance Outdoor Module

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