

# SIRIUS (SINGLE BANK)

- SU135-079OF50SUS
- SU135-079SD50SUS
- SU135-079MS50SUS



Option:

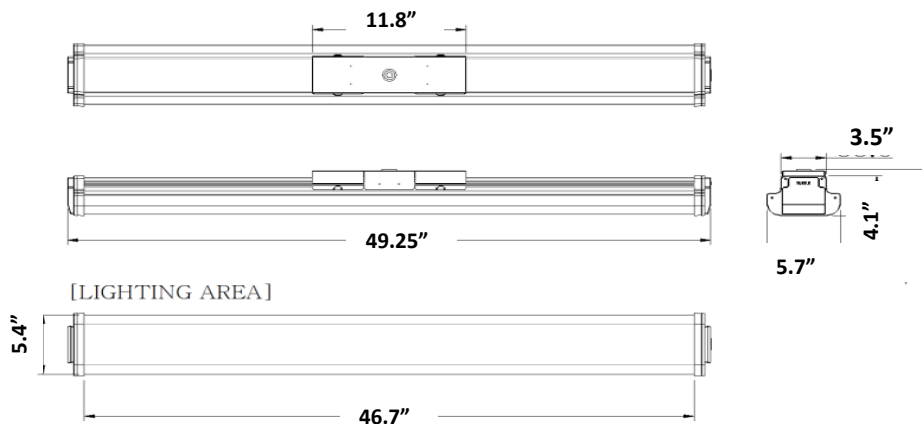
- 1) On Off (No Controls)
- 2) Wireless Control (Smart Dimming)
- 3) Wireless Control (Bluetooth Dimming)
- 4) Multi Sensor (Daylight & Occupancy)



## PRODUCT DESCRIPTION

- System Input Power: 79W
- Efficacy: 166 lm/W
- Input Frequency: 50/60Hz
- Compatible with Magnum Controls
- IP66 – Protected: No ingress of Bugs, Dust, Water projected from powerful water jets in any direction
- Ideal Dry & Wash Down Locations

## DIMENSIONS



## PRODUCT SPECIFICATION

PERFORMANCE	SU135-079OF50SUS
Light Output (lm)	13,000
Power (W)	79
Efficacy (lm/W)	165
CCT (K)	5,000
CRI (Ra)	>80
Power Factor	> 0.9
Input Voltage	120 – 277

※ Tolerance Range : ± 10%

PHYSICAL INFO	L×W×H
Dimension (mm / inch)	1,250 x 144 x 131 / 49.2 x 5.7 x 5.1
Weight (kg / lb)	4.0 / 8.8

## CERTIFICATIONS & QUALIFICATIONS



## ORDERING INFORMATION

SU	135	-	079	OF	50	S	US
Model	Lighting Area	-	Watt	Control type	CCT	LED PKG	Country
SIRIUS	135mm	-	079W	On/Off – <b>OF</b> Multi-Sensor – <b>MS</b> Smart Dimming – <b>SD</b>	5,000K	SAMSUNG	United States

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Specifications subject to change without notice

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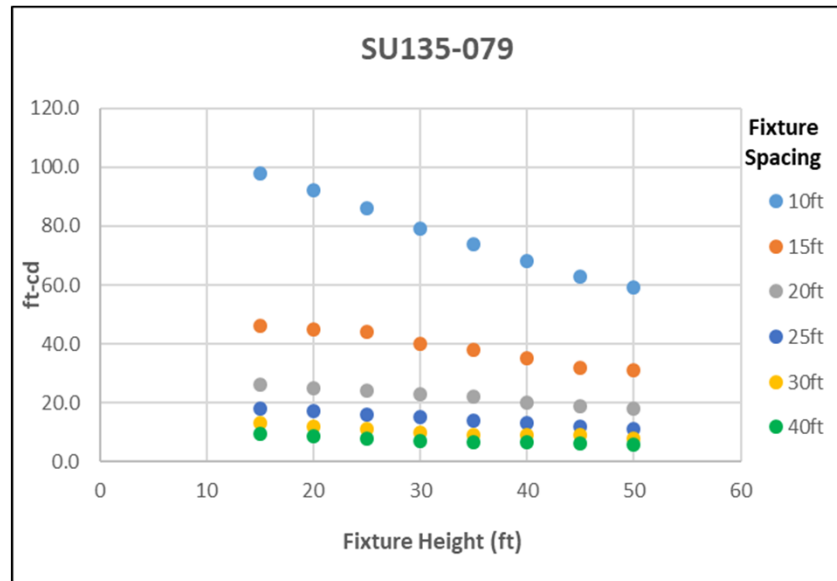
## Quick Reference Guide

### Light Output Simulation Data

#### OVERVIEW

This quick-reference document lists light level calculations for the following fixtures, at various mounting heights and spacing, with diffused lens optics.

Single Fixture Height (ft)	Fixture Spacing (ft)					
	10	15	20	25	30	40
15	98.0	46.0	26.0	18.0	13.0	9.3
20	92.0	45.0	25.0	17.0	12.0	8.6
25	86.0	44.0	24.0	16.0	11.0	8.0
30	79.0	40.0	23.0	15.0	10.0	7.2
35	74.0	38.0	22.0	14.0	9.0	6.7
40	68.0	35.0	20.0	13.0	9.0	6.5
45	63.0	32.0	19.0	12.0	9.0	6.0
50	59.0	31.0	18.0	11.0	8.0	5.7



Data source is IES simulations of SU135 Series – 79 Watt fixtures.

Average Illuminance foot-candles (ft-cd) Values.

#### Reflectance Values:

- Maintenance factor 0.8
- Ceiling reflectance 50%
- Walls 30%
- Floor 13%

Data in the *open space grid* tables simulates an open area like a loading dock, rather than an aisle. Foot-candle readings therefore include output from multiple fixtures, as there are no barriers such as racking or stacked product to isolate the fixtures from each other.

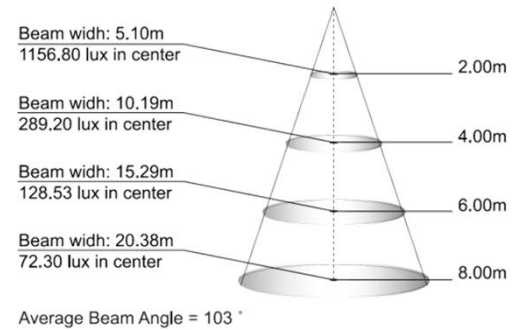
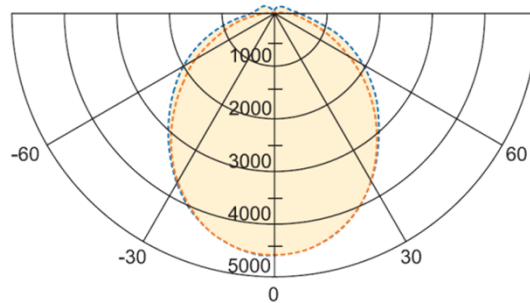
Aspect Ratio – Fixture spacing should not exceed 1.5x the height to avoid bright islands and dark alleys.

Use an adjustment factor of 1.1 to determine illumination in a freezer environment. In other words, multiply the ambient environment foot-candle values by the adjustment factor to determine freezer environment foot-candle values.

This quick reference guide is intended to provide general light level data, by fixture type. For site-specific data, we recommend performing a photometric simulation based on the actual facility layout.

For guidance on creating a photometric simulation, or to request a simulation analysis, contact SAMJIN LED staff at: [lighting@samjinled.com](mailto:lighting@samjinled.com)

## LIGHT DISTRIBUTION & DISTANCE LUMINARY



## ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	Luminaire
0~30	4,020	31	31
30~60	6,038	46	46
60~90	2,370	18	18
0~90	12,428	96	96
90~180	572	4	4
0~180	13,000	100	100

## COEFFICIENTS OF UTILIZATION

RC	90				70				50			0
	60	50	30	10	60	50	30	10	50	30	10	0
<b>RW</b>	<b>60</b>	<b>50</b>	<b>30</b>	<b>10</b>	<b>60</b>	<b>50</b>	<b>30</b>	<b>10</b>	<b>50</b>	<b>30</b>	<b>10</b>	<b>0</b>
<b>RCR (0)</b>	1.05	1.05	1.05	1.05	1.02	1.02	1.02	1.02	0.99	0.99	0.99	0.93
<b>1</b>	0.95	0.94	0.90	0.87	0.92	0.91	0.88	0.85	0.88	0.85	0.83	0.78
<b>2</b>	0.86	0.83	0.77	0.72	0.83	0.80	0.75	0.71	0.77	0.73	0.69	0.65
<b>3</b>	0.78	0.74	0.67	0.61	0.75	0.71	0.65	0.60	0.69	0.63	0.59	0.55
<b>4</b>	0.71	0.66	0.58	0.52	0.68	0.64	0.57	0.51	0.61	0.55	0.50	0.47
<b>5</b>	0.65	0.59	0.51	0.45	0.62	0.57	0.50	0.44	0.55	0.49	0.44	0.41
<b>6</b>	0.59	0.54	0.45	0.40	0.57	0.52	0.44	0.39	0.50	0.44	0.39	0.36
<b>7</b>	0.54	0.49	0.41	0.35	0.52	0.47	0.40	0.35	0.46	0.39	0.34	0.32
<b>8</b>	0.50	0.45	0.37	0.31	0.48	0.43	0.36	0.31	0.42	0.35	0.31	0.28
<b>9</b>	0.46	0.41	0.33	0.28	0.45	0.40	0.33	0.28	0.39	0.32	0.28	0.25
<b>10</b>	0.43	0.38	0.31	0.26	0.42	0.37	0.30	0.25	0.36	0.30	0.25	0.23

CR = Room Cavity Ratio  
RC = Effective Ceiling Cavity Reflectance  
RW = Wall Reflectance