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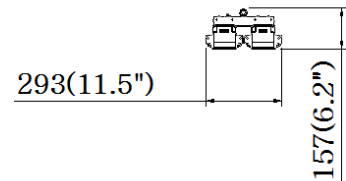
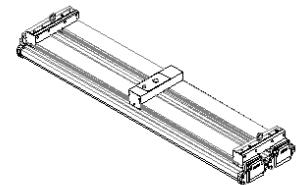
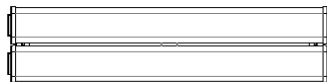
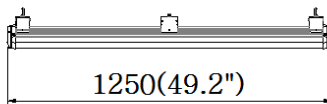
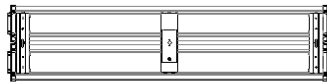
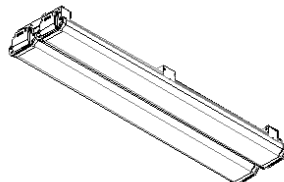
- 1) On Off (No Controls)
- 2) Wireless Control (Smart Dimming)
- 3) Wireless Control (Bluetooth Dimming)
- 4) Multi Sensor (Daylight & Occupancy)



## PRODUCT DESCRIPTION

- System Input Power: 158W
- LPW: 160lm/W
- Input Frequency: 50/60Hz
- On/Of (option : Wireless control, Smart Dimming, Multi Sensor)
- IP66 - Protected: No ingress of Dust / Water projected from powerful water jets in any direction
- Dry & Wash Down Location

## DIMENSIONS



## PRODUCT SPECIFICATION

PERFORMANCE	SU135-158OF50SUS
Light Output (lm)	25,600
Power (W)	158
LPW (lm/W)	162
CCT (K)	5,000
CRI (Ra)	>80
Power Factor	> 0.9
Input Voltage	120 – 277
Operating Temp	-20 ~ 50 c

※ Tolerance Range : ± 10%

PHYSICAL INFO	L×W×H
Dimension (mm / inch)	1,250 x 293 x 157 / 49.2 x 11.5 x 6.2
Weight (kg / lb)	9.5 / 20.9

## CERTIFICATIONS & QUALIFICATIONS

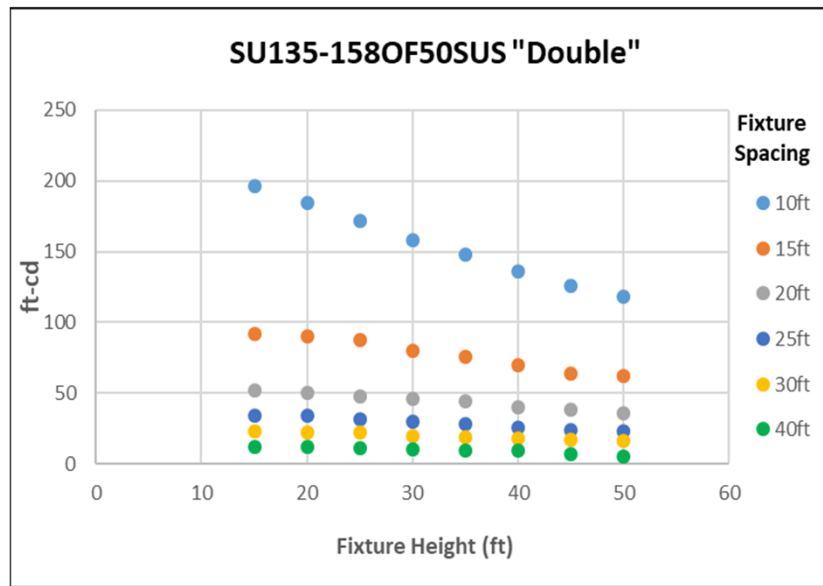


## Quick Reference Guide Light Output Simulation Data

### OVERVIEW

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

Double Fixture Height (ft)	Fixture Spacing (ft)					
	10	15	20	25	30	40
15	196	92	52	34	23	12.0
20	184	90	50	34	22	11.8
25	172	88	48	32	22	11.0
30	158	80	46	30	20	10.0
35	148	76	44	28	19	9.5
40	136	70	40	26	18	9.0
45	126	64	38	24	17	8.0
50	118	62	36	23	16	7.0



Data source is IES simulations of SU135 Series – 158 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.

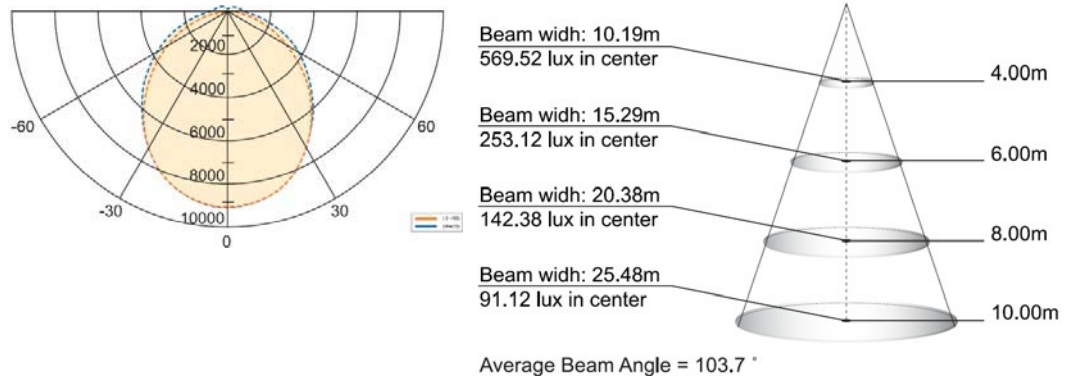
Aspect Ratio – Fixture spacing should not exceed 1.5x the height to avoid bright islands and dark alleys.

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	7,916	31	31
30~60	11,891	46	46
60~90	4,667	18	18
0~90	24,474	96	96
90~180	1,126	4	4
0~180	25,600	100	100

## COEFFICIENTS OF UTILIZATION

RC	90				70				50			0
	60	50	30	10	60	50	30	10	50	30	10	0
RW	60	50	30	10	60	50	30	10	50	30	10	0
RCR (0)	1.05	1.05	1.05	1.05	1.02	1.02	1.02	1.02	0.99	0.99	0.99	0.93
1	0.96	0.94	0.90	0.87	0.92	0.91	0.88	0.85	0.88	0.85	0.83	0.78
2	0.86	0.83	0.77	0.72	0.83	0.80	0.75	0.71	0.77	0.73	0.69	0.65
3	0.78	0.74	0.67	0.61	0.75	0.71	0.65	0.60	0.69	0.63	0.59	0.55
4	0.71	0.66	0.58	0.52	0.68	0.64	0.57	0.51	0.61	0.55	0.50	0.47
5	0.65	0.59	0.51	0.45	0.62	0.57	0.50	0.45	0.55	0.49	0.44	0.41
6	0.59	0.54	0.46	0.40	0.57	0.52	0.45	0.39	0.50	0.44	0.39	0.36
7	0.54	0.49	0.41	0.35	0.52	0.47	0.40	0.35	0.46	0.39	0.34	0.32
8	0.50	0.45	0.37	0.31	0.48	0.43	0.36	0.31	0.42	0.35	0.31	0.28
9	0.47	0.41	0.33	0.28	0.45	0.40	0.33	0.28	0.39	0.32	0.28	0.25
10	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

## ORDERING INFORMATION

SU	135	-	158	OF	50	S	US
Model	Lighting Area	-	Watt	Control type	CCT	LED PKG	Country
SIRIUS	135mm	-	158W	OF - On/Off MS - Multi Sensor	5,000K	SAMSUNG	United States