

Ordering Information

Style	Lamps	Length	Type	Wattage	Voltage	Finish
SC	2					
	2 = 2-Lamp T5	4 = 4 Foot 8 = 8 Foot	J = Joiner	28 = 28 watt 54 = 54 watt	1 = 120v 2 = 277v	WH = White Enamel AL = Aluminum Enamel

Complete ordering instructions below.

Features

- Housing:** Extruded aluminum. Die-cast end plate mechanically attached with no exposed fasteners.
- Lamping:** Two T5 (28 or 54 watt as specified) fluorescent lamps per 4-foot section. Provided by others.
- Reflector:** Die-formed specular aluminum reflector.
- Shielding:** Die-formed 20 gauge CRS.

Electrical

Specify 120 volt or 277 volt. Three conductor, 18 gauge wire. Color-coded quick connectors allow ease of connection for joiner modules. For special circuiting, consult factory. Ballast is class "P" electronic, class "A" sound rating, less than 10% THD, thermally protected, end of lamp life cutoff. Factory installed ballast disconnect allows the ballast to be disconnected from and reconnected to incoming power under load without turning the entire circuit off.

Mountings

Cable suspension - 4-1/2" (11.43cm) diameter canopy finished white enamel, 1/16" (0.16cm) diameter stainless steel aircraft cable adjustable up to 36" (91.44cm). Griplock® with cable adjustment. Draw tight connector create hairline seam between joiner modules.

Finish

Powder coated baked white or aluminum enamel. Custom colors available, consult factory.

Options and Accessories

L, T, X inline joiner blocks and emergency battery pack available.

Labels Included

UL, cUL, and IBEW

Ordering Instructions

Individual Fixtures:

- Order one JOINER MODULE.
- Order one POWER FEED END SET.
- Order one CABLE ASSEMBLY.

Continuous Rows:

- Determine run length.
- Order the appropriate number of JOINER MODULES to complete the run.
- Order one POWER FEED END SET per run.
- Order one CABLE ASSEMBLY per JOINER MODULE.
- Maximum run length for a 2-light cross section, 54watt, 120volt is 88' (26.82m).

Square/Rectangle Patterns:

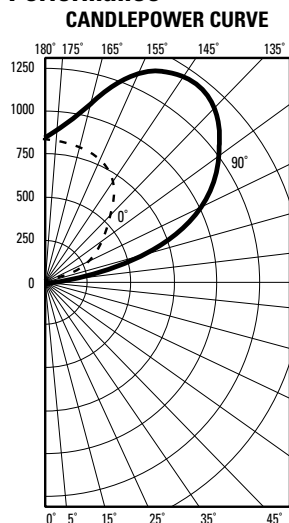
- Order appropriate number of JOINER MODULES to complete the pattern size.
- Order number and type of JOINER BLOCKS required.
- Order one CABLE/CORD ASSEMBLY or POWER FEED END SET to power the pattern.
- For patterns that exceed amperage limits, order the appropriate number of CABLE/CORD FEEDS.

Griplock® is a registered trademark of Reutlinger GripLock Systems.

Job Information	Type:
Job Name:	
Cat. No.:	
Lamp(s):	
Notes:	

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Performance



REPORT NO: LRL 299-1D
CAT NO: SC241281WH
LAMPS: 2 F28T5
LUMENS: 2900
EFFICIENCY: 82.3%

ZONE DEG.	CANDLEPOWER					
	0	22	45	67	90	
		CANDELAS				
180	828	828	828	828	828	
175	827	836	848	868	870	
165	811	880	963	1056	1062	
155	761	909	1076	1273	1329	
145	668	905	1201	1423	1466	
135	540	859	1177	1363	1409	
125	422	821	1094	1298	1264	
115	268	651	918	1023	1029	
105	141	479	578	557	557	
95	33	128	129	121	117	
90	10	15	12	11	12	
85	0	0	0	0	0	
75	0	0	0	0	0	
65	0	0	0	0	0	
55	0	0	0	0	0	
45	0	0	0	0	0	
35	0	0	0	0	0	
25	0	0	0	0	0	
15	0	0	0	0	0	
5	0	0	0	0	0	
0	0	0	0	0	0	

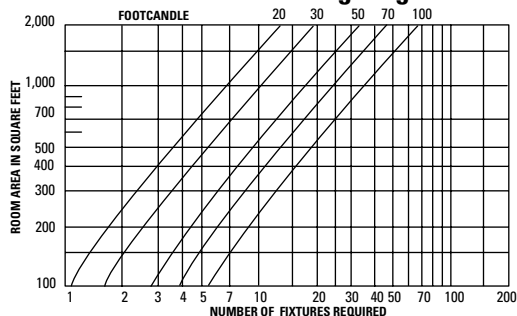
		COEFFICIENTS OF UTILIZATION								
		% EFFECTIVE CEILING CAVITY REFLECTANCE								
		80			70			50		
		WALL REFLECTANCE								
		70	50	30	70	50	30	50	30	10
ROOM CAVITY RATIO	0	78	78	78	67	67	67	46	46	46
	1	71	68	65	61	58	56	40	38	37
	2	65	59	55	55	51	47	35	33	31
	3	59	52	47	50	45	40	31	28	26
	4	54	46	40	46	39	34	27	24	22
	5	49	40	34	42	35	30	24	21	18
	6	45	36	30	38	31	26	21	18	16
	7	41	32	26	35	28	23	19	16	14
	8	38	29	23	32	25	20	17	14	12
	9	35	26	20	30	22	18	16	12	10
	10	33	24	18	28	21	16	14	11	9

20% FLOOR CAVITY REFLECTANCE

DISTRIBUTION			
Zone	Lumens	% Lamp	% Luminaire
0-90	0	0.0	0.0
90-180	4776	82.3	100.0
0-180	4776	82.3	100.0

Calculations are for 28 watt T5 lamps, for 54 watt T5 lamps multiply by 1.7

Quick Calculator and Ceiling Brightness

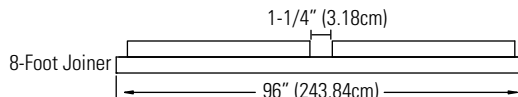
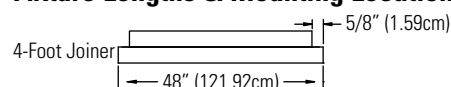


1. Find room area on vertical axis.
2. Move across chart to footcandle curve.
3. Move down to horizontal axis and read number of fixtures required.

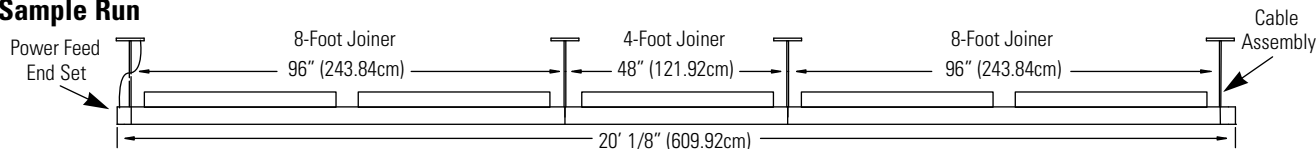
Suspension Length	12"	18"	24"
Footlamberts Above Fixture	165	112	85.7
Footlamberts Between Fixtures	24.7	26.3	32.2
Ceiling Brightness Ratio	6.7	4.3	2.7

Reflectances of 80% ceiling, 50% walls and 20% floor. Light loss factor is .85, Room size is 50' x 50', Run Spacing 10'. Ceiling Height 9' to 12'. Values are taken from the center of the room.

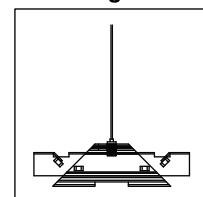
Fixture Lengths & Mounting Locations



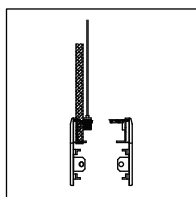
Sample Run



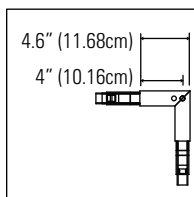
Mounting & Joiner Block Accessories



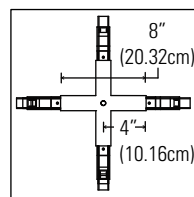
Cable Assembly
SC36



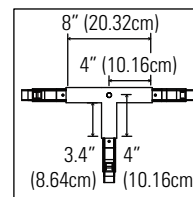
Power Feed End Set
SE36WH (white)
SE36AL (aluminum)



"L" Block with Suspension
SL36WH (white)
SL36AL (aluminum)



"X" Block with Suspension
SX36WH (white)
SX36AL (aluminum)



"T" Block with Suspension
ST36WH (white)
ST36AL (aluminum)

Inline block available (SI36WH or SI36AL).

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