PEERLESS®

Lightline® Direct Softshine™ Suspended

Installation Planning Guide

| Rectangular 3 ⅝" x 4 1/16" | LLML |

## UNIVERSAL MOUNTING BRACKET (F1)

Standard mounting for T-bar (grid) ceilings

Universal mounting bracket

4" x 1½" deep square junction box at feed — by others

3.5" dia. canopy Finish: white

White cord

Cable retainer
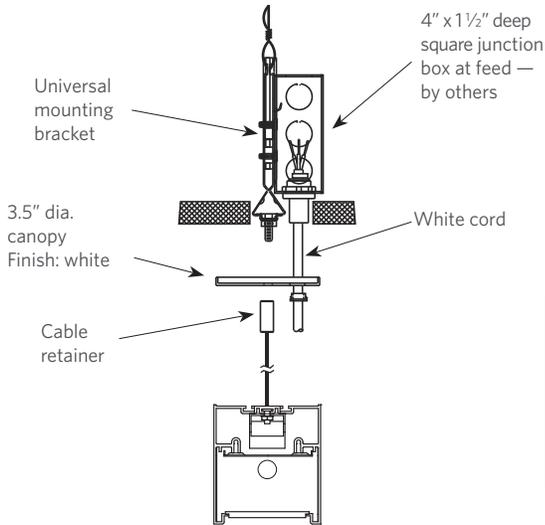
HORIZONTAL J BOX MOUNT (F2)

Optional mounting for hard ceilings

14 gauge steel mounting strap Mounting bolts — by others

White cord

Cable retainer

4" x 1½" deep octogonal junction box at feed — by others

5" diameter twist-on canopy Finish: white
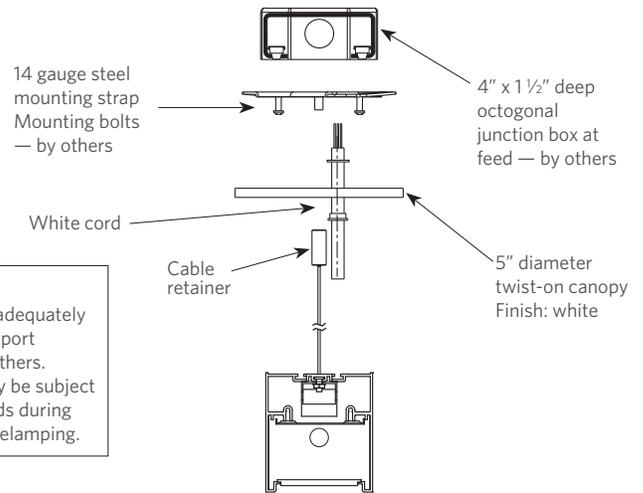
Caution:
- Ceiling must be adequately reinforced at support locations — by others.
- Junction box may be subject to additional loads during installation and relamping.

JOINING DIAGRAM
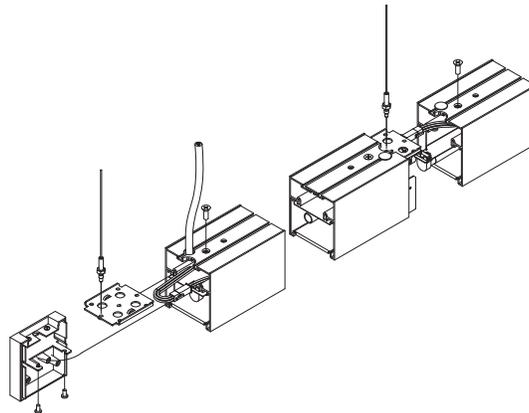
WEIGHT AND SUPPORT SPACING FOR SOFTSHINE INDIVIDUAL SECTIONS
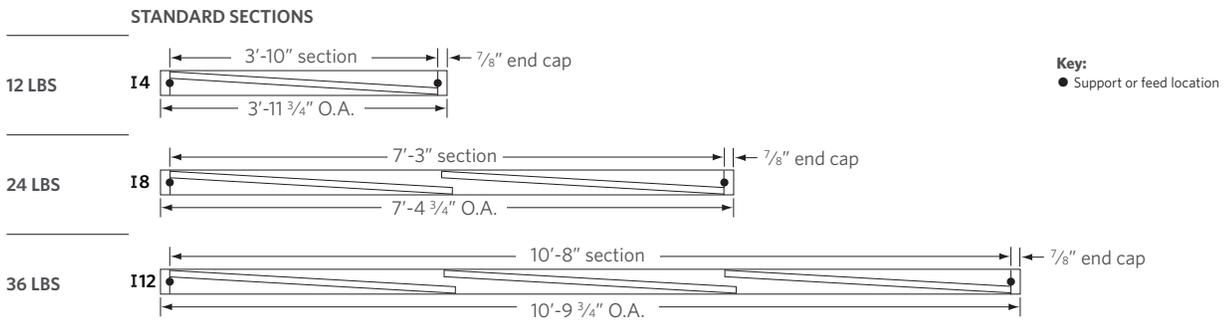
STANDARD SECTIONS

Key:
● Support or feed location

12 LBS	I4	3'-10" section · ⅞" end cap · 3'-11 ¾" O.A.
24 LBS	I8	7'-3" section · ⅞" end cap · 7'-4 ¾" O.A.
36 LBS	I12	10'-8" section · ⅞" end cap · 10'-9 ¾" O.A.

PLAN VIEW

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WEIGHT AND SUPPORT SPACING FOR SOFTSHINE ROWS

A row will consist of a starter, joiner(s) if the row is long enough, and an ender section. Support locations for each section type are shown below.

STARTERS

⅞" end cap

36 LBS   S12   ———— 10'-5 ½" ————

⅞" end cap

24 LBS   S8   ———— 7'-0 ½" ————

⅞" end cap

12 LBS   S4   ———— 3'-7 ½" ————

JOINERS

36 LBS   J12   ———— 10'-3" ————

24 LBS   J8   ———— 6'-10" ————

ENDERS

36 LBS   E12   ———— 10'-5 ½" ————   ⅞" end cap

24 LBS   E8   ———— 7'-0 ½" ————   ⅞" end cap

12 LBS   E4   ———— 3'-7 ½" ————   ⅞" end cap
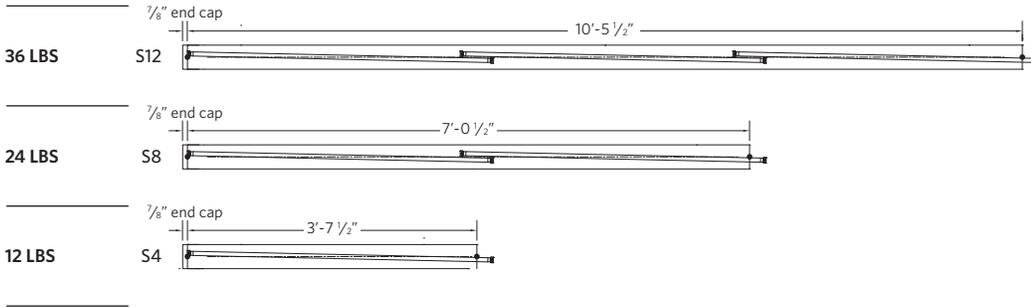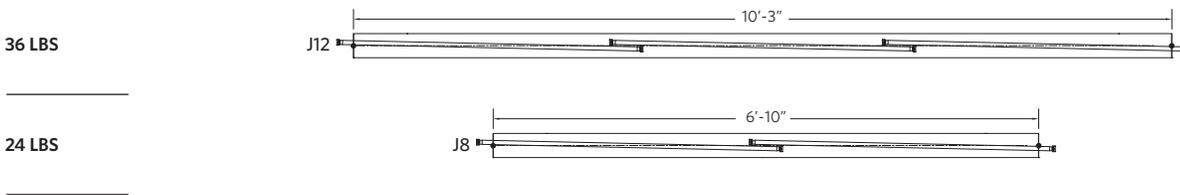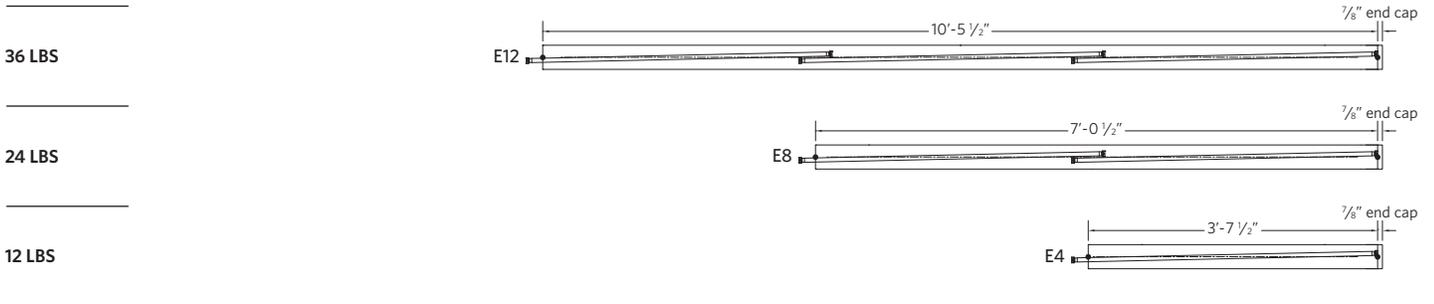
PLAN VIEW

Key:
● Support location

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WEIGHT AND SUPPORT SPACING FOR SOFTSHINE ROWS CONT.

To determine suspension spacing:

1. Check catalogue number for row length and max section type

> Example: LLML 1 28T5 SSH 24FT4IN R12 277 GEB10 SCT LP835 F1/18 C100
>
> ↑ row length   ↑ max section type

2. Check chart below to determine the type, quantity and length of sections per specified row length and max section type.

Max Section Type R12					
	Starters	Joiners	Enders		
Section Type	No. S12	No. J12	No. E12	No. E8	No. E4
Section Length	10'-5 ½"	10'-3"	10'-5 ½"	7'-0 ½"	3'-7 ½"
17FT6IN	1			1	
20FT11IN	1		1		
24FT4IN	1	1			1
27FT9IN	1	1		1	
31FT2IN	1	1	1		
34FT7IN	1	2			1
38FT0IN	1	2		1	
41FT5IN	1	2	1		
44FT10IN	1	3			1
48FT3IN	1	3		1	
51FT8IN	1	3	1		
55FT1IN	1	4			1
58FT6IN	1	4		1	
61FT11IN	1	4	1		
65FT4IN	1	5			1
68FT9IN	1	5		1	
72FT2IN	1	5	1		
75FT7IN	1	6			1
79FT0IN	1	6		1	
82FT5IN	1	6	1		
85FT10IN	1	7			1
89FT3IN	1	7		1	
92FT8IN	1	7	1		
96FT1IN	1	8			1
99FT6IN	1	8		1	

Max Section Type R8					
	Starters	Joiners	Enders		
Section Type	No. S8	No. J8	No. E8	No. E4	
Section Length	7'-0 ½"	6'-10"	7'-0 ½"	3'-7 ½"	
10FT8IN	1			1	
14FT1IN	1		1		
17FT6IN	1	1		1	
20FT11IN	1	1	1		
24FT4IN	1	2		1	
27FT9IN	1	2	1		
31FT2IN	1	3		1	
34FT7IN	1	3	1		
38FT0IN	1	4		1	
41FT5IN	1	4	1		
44FT10IN	1	5		1	
48FT3IN	1	5	1		
51FT8IN	1	6		1	
55FT1IN	1	6	1		
58FT6IN	1	7		1	
61FT11IN	1	7	1		
65FT4IN	1	8		1	
68FT9IN	1	8	1		
72FT2IN	1	9		1	
75FT7IN	1	9	1		
79FT0IN	1	10		1	
82FT5IN	1	10	1		
85FT10IN	1	11		1	
89FT3IN	1	11	1		
92FT8IN	1	12		1	
96FT1IN	1	12	1		
99FT6IN	1	13		1	

3. To determine the support locations, layout the row based on the required section types and lengths for the row length. Note that starter and ender section lengths differ from joiner lengths. A row will always end with the smallest section type (E4<E8<E12).

Note:
If a suspension point falls on the ceiling grid, adjust the provided fixture joining hardware to move the suspension point.

EXAMPLES

Catalogue Number: LLML 1 28T5 SSH 14FT1IN R8 120 GEB10 SCT LP835 F1/18 C100

Max Section Type R8				
	Starters	Joiners	Enders	
Section Type	No. S8	No. J8	No. E8	No. E4
Section Length	7'-0 ½"	6'-10"	7'-0 ½"	3'-7 ½"
Row Length 14FT1IN	1		1	

Key:
● Support location
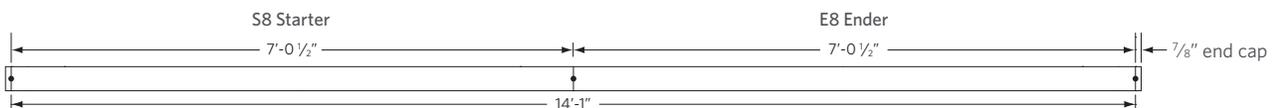
S8 Starter — 7'-0 ½"   E8 Ender — 7'-0 ½"   ⅞" end cap

14'-1"

Rectangular 3 ⅝″ x 4 ¹⁄₁₆″	LLML

EXAMPLES CONT.

Catalogue Number: LLML 1 28T5 SSH 17FT6IN R8 277 GEB10 SCT LP830 F1/24 C100

Max Section Type R8				
	Starters	Joiners	Enders	
Section Type	No. S8	No. J8	No. E8	No. E4
Section Length	7′-0 ½″	6′-10″	7′-0 ½″	3′-7 ½″
Row Length	17FT6IN	1	1		1

Key:
● Support location

S8 Starter — 7′-0 ½″

J8 Joiner — 6′-10″

E4 Ender — 3′-7 ½″

⅞″ end cap

17′-6″
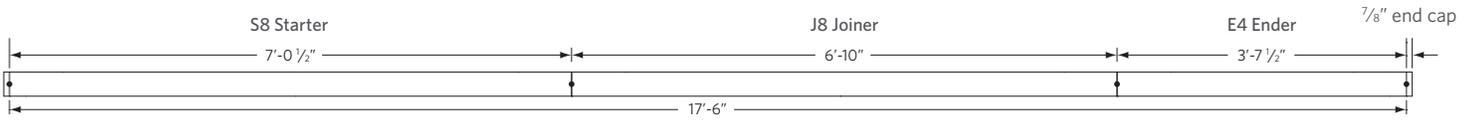
Catalogue Number: LLML 1 54T5HO SSH 27FT9IN R12 277 GEB10 SCT LP835 F1/18 C100

Max Section Type R12					
	Starters	Joiners	Enders		
Section Type	No. S12	No. J12	No. E12	No. E8	No. E4
Section Length	10′-5 ½″	10′-3″	10′-5 ½″	7′-0 ½″	3′-7 ½″
Row Length	27FT9IN	1	1		1	

S12 Starter — 10′-5 ½″

J12 Joiner — 10′-3″

E8 Ender — 7′-0 ½″

⅞″ end cap

27′-9″