



Catalog Number	SFR12 _____
	(options) _____
NOTES	
TYPE	

Specification

SFR12 Recessed 1 x 2 Lay-in Fabric Light Form

Intended Use - softform LIGHTING features a unique fabric shielding media that provides a soft, visually comfortable, uniformly luminous appearance to the viewer, providing a sophisticated contemporary style along with volumetric (Lambertian) light distribution. Optionally, images can be printed on the diffuser fabric enabling the designer to introduce literal biophilic elements into a space. Powered by a high efficacy LED light engine, softform LIGHTING is the perfect choice for many lighting applications including schools, offices and other commercial spaces, retail, healthcare facilities and the like where the visual aesthetics of the illuminated environment is important.

Construction - softform LIGHTING recessed forms are constructed of extruded aluminum frames designed to fit securely into T-grid ceilings. A stretched fabric diffuser shields the LED light engine from direct view. The fabric can be easily removed to access the light form interior. All electrical components are contained within the light form itself.

Optics - Fabric diffusion creates an optimal mix of illumination for both vertical and horizontal surfaces thereby rendering interior spaces, objects and occupants in a more balanced, complimentary luminous environment.

Electrical - Long-life LEDs, coupled with high-efficiency power supplies, provide superior quantity and quality of illumination and extended service life. LED lumen maintenance is rated L70 (70%) at 50,000 hours. The LED driver features programmable dimming with output current configurable to 1 mA resolution, end of life indication, LED thermal protection and constant lumen maintenance features.

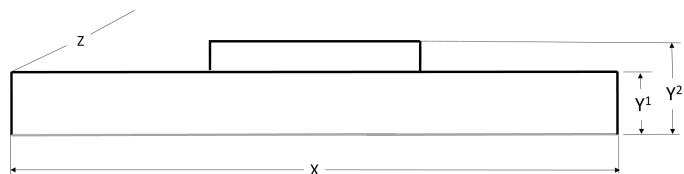
Control Integration - The LED drivers utilize 0-10V dimming protocol with standard 10% or optional 1% dimming functionality. The optional auxiliary (AUX) output has the capability to power ancillary 12v, 20v and 24v devices.

Installation - softform LIGHTING recessed forms easily install into 9/16" and 15/16" T-grid ceiling systems. Mounting brackets, attached at installation, enable the form to be installed as either flush or with a 5/16" (tegar) reveal, thereby matching adjacent ceiling tiles. For recessed mounting in hard ceiling applications, a Drywall Grid Adapter (DGA) is available as an accessory.

Listings - CSA Certified to meet U.S. and Canadian standards. Suitable for damp location application.

Dimensions

Axis	9/16	15/16
X	23-3/8"	23"
Y¹	2-5/8"	2-5/8"
Y²	4"	4"
Z	11-3/8"	11"



Important! softform LIGHTING recessed forms fit *between* ceiling grid flanges. Form frames for 9/16 and 15/16 grids are not interchangeable.

Specification Nomenclature

Series	Grid ¹	Diffuser	Current (mA) ²	CCT ^{2,3}	Voltage	Driver	
SFR12	9/16	HTW High Transmission White fabric	L Low	30 3000k	MVOLT 120-277 347	DRV10 10% Dimming	
	15/16	SFGxxx softformlighting.com Gallery selection, replace xxx with image ID number	M Medium	35 3500k		DRV1 1% Dimming	
			H High	40 4000k			
				50 5000k			
				65 6500k			
		USG User Supplied Graphic					
	Options						
	AMP Anti-Microbial Paint AUX Auxiliary power output. BGTD Bodine Generator Transfer Device CP Chicago Plenum FBF Fast Blow Fuse JP32 Job Pack (32 fixture per pallet) NPLT Narrow Pallet (30" wide) PWS1836 6' Prewire, 18 Gauge, 1 Circuit PWS1846 6' Prewire, 18 Gauge, 2 Circuit PWS1846 LV1 6' Prewire, 18 Gauge, 1 Circuit + 6' Prewire, 18 Gauge, 1 Low Voltage Circuit with Purple / Gray Wires PWS1846 LV2 6' Prewire, 18 Gauge, 2 Circuit + 6' Prewire, 18 Gauge, 1 Low Voltage Circuit with Purple / Gray Wires SBF Slow Blow Fuse						
	Accessories⁴						
	DGA Drywall Grid Adapter EQC Earthquake Clip						

Notes:

1. **Important!** softform LIGHTING recessed forms fit *between* ceiling grid flanges. Form frames for 9/16 and 15/16 grids are not interchangeable.
2. Current combined with CCT determines lumens. See page 3 for detail
3. 80 CRI
4. Accessories ship separately.

Current	Low		Medium		High	
<i>CCT</i>	<i>Lumens</i>	<i>LpW</i>	<i>Lumens</i>	<i>LpW</i>	<i>Lumens</i>	<i>LpW</i>
3000 k	1245	160	1385	178	1540	197
3500 k	1265	162	1405	180	1561	200
4000 k	1305	167	1450	186	1610	206
5000 k	1346	173	1495	192	1661	213
6500 k	1305	167	1495	186	1610	206
<i>Watts</i>	7.2		7.8		8.5	

Form Size	# of Boards
1 x 2	2
2 x 2	4
2 x 4	8
1 x 4	4
4 x 4	16

- To calculate light form luminance: Multiply the form size board quantity by a lumen value and then by 0.6
Example: 2x2 form, 4000k, Medium current | $4 \times 1450 \times .6 = 3480$ lumens
- To calculate the light form footcandles on task: Divide the luminance value by pi (3.14) and then by the distance squared between the mounting location and the task plane.
Example: Using the luminance value from the above example, a 10 foot ceiling plane and a 30 inch task plane
| $3480 \text{ lumens} / 3.14 / 7.5^2 = 19.7 \text{ Fc}$
- To calculate light form wattage: Multiply the form size board quantity by the watts related to the current designation (low, medium, high).
Example: 2x2 form, Medium current | $4 \times 7.8 = 31.2$ watts

Photometry

COMING SOON