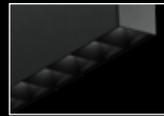


Seem® 1 Louver

LED DIRECT WITH ID+ TECHNOLOGY



FOCAL POINT®



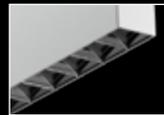
Black Specular Louver



Black Matte Louver



Clear Diffuse Louver



Clear Specular Louver



Matte White Louver



Solid Faceplate + Louver

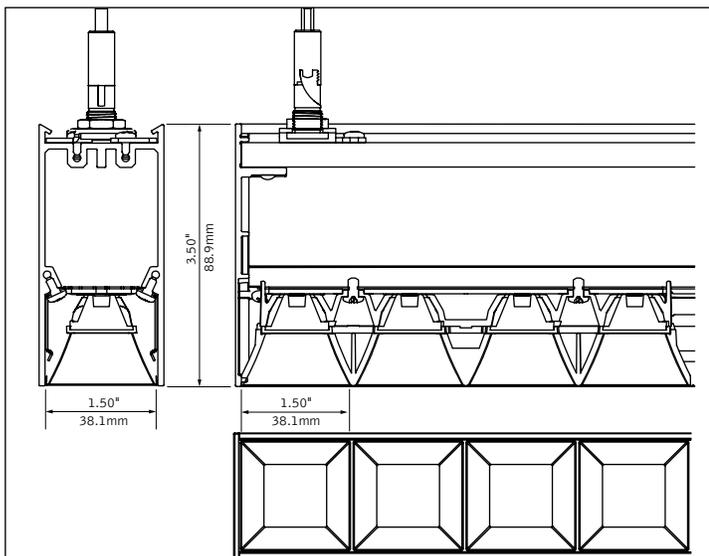


Recessed Companion

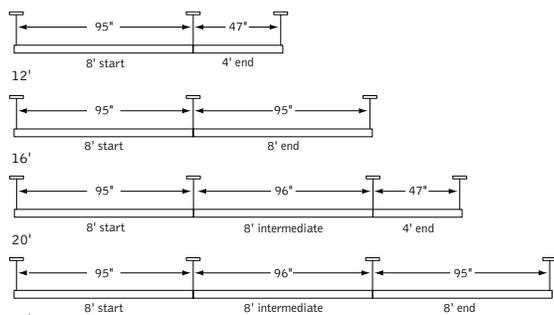


Direct/Indirect Companions

DIMENSIONAL DATA



Mounting Information



Consult factory for additional row length information.

FEATURES

Nominal 1.5" narrow extruded aluminum linear direct LED illumination with louver and high-performance optics.

Frosted acrylic lenses provide uninterrupted illumination, without pixels or shadows.

Deeply regressed louver cells provide 60° cut-off from light source to promote visual comfort.

Diversity of louver finishes to tailor how the light is perceived and experienced, from nearly invisible light sources with a striking transition to warmly illuminated louver cells with a smooth transition.

Choice of output levels and light distributions support multiple applications, from highly focused task lighting to ambient lighting.

Individual units and continuous runs in 1" lensed or faceplate increments, and 6" louvered increments.

Highly configurable system enables self-service creation of customized products with standard lead times.

fixture:

project:

TAILORED CONFIGURATION ORDERING

TAILORED LOUVER CONFIGURATION EXAMPLES

Alternating louver & lens/faceplate starting with louver (ACS)

examples:

12ft run = 24" louver sections, 36" lens/faceplate sections (ACS24-3S, 12ft run)

12ft run = 24" louver sections, 16" lens/faceplate sections (ACS24-4S, 12ft run)

10ft run = 24" louver sections, 24" lens/faceplate sections (ACS24-3S, 10ft run)

12ft run = 30" louver sections, 27" lens/faceplate sections (ACS30-3S, 12ft run)

10ft run = 18" louver sections, 16" lens/faceplate sections (ACS18-4S, 10ft run)

Alternating louver & lens/faceplate starting with lens/faceplate (AFS)

examples:

12ft run = 24" louver sections, 32" lens/faceplate sections (AFS24-2S, 12ft run)

12ft run = 24" louver sections, 18" lens/faceplate sections (AFS24-3S, 12ft run)

10ft run = 24" louver sections, 24" lens/faceplate sections (AFS24-2S, 10ft run)

12ft run = 30" louver sections, 28" lens/faceplate sections (AFS30-2S, 12ft run)

10ft run = 18" louver sections, 16.5" lens/faceplate sections (AFS18-3S, 10ft run)

SPECIFICATIONS

See page 2

DISTRIBUTIONS

	NFL	FL1	FL2	WFL	LMC
Beam Spread	20°	29°	43°	67°	68°
Spacing Criteria	0.36	0.50	0.70	0.98	1.18

PERFORMANCE CHARTS

See page 4

Luminaire Series

Seem 1 with louver FSM1CS

FSM1CS

Shielding

Batwing lens + Louver BC
 Flush lens + Louver FC
 Solid faceplate + Louver SC

Louwer Configuration

(Specify length of each louver segment in 6" increments, 12" minimum, and the total number of louver segments in the run.
 Example: 24" louver segments, 4 segments total = ACS24-4S
 *Consult factory for 6" segment availability.)

Alternating louver & lens/faceplate starting with louver (Min. 3 segments per run.) ACS_-_S

Alternating louver & lens/faceplate starting with lens/faceplate (Min. 2 segments per run.) AFS_-_S

Lumen Output

(Consult factory for available lumen outputs based on specified Louwer Configuration)

250 Lumens per foot 250
 375 Lumens per foot 375
 500 Lumens per foot 500
 625 Lumens per foot 625
 750 Lumens per foot 750
 875 Lumens per foot 875
 1000 Lumens per foot 1000

LUMEN OUTPUT OPTIONS
 (Specify value for each distribution. Example: 625DN-1000DL)

Direct Lensed Distribution _____DN

(625 lumens max. Use "0DN" for SC option.)
 (Consult Factory for LH1 & D11 with BC & FC for 375 & 500 lm/ft.)

Direct Louvered Distribution _____DL

Color Temperature

2700K, 80CRI or 90 CRI 27K or 927K
 3000K, 80CRI or 90 CRI 30K or 930K
 3500K, 80CRI or 90 CRI 35K or 935K
 4000K, 80CRI or 90 CRI 40K or 940K

Circuit

Single Circuit 1C
 Dual Circuit (FC & BC shielding only) 2C

Voltage

120/277 UNV Volt UNV
 347 Volt (LD1 driver only) 347

Control System & Dimming Level

0-10V - 10% Dimming LD1
 0-10V - 1% Dimming L11
 Lutron Hi-Lume EcoSystem (LDE1) - LH1
 1% Dimming
 DALI 1% Dimming D11

Mounting

24" Cable Suspension C24____
 48" Cable Suspension C48____
 96" Cable Suspension C96____

(Specify canopy color White (WH), Black (BK) or Titanium Silver (TS). Example: C24WH.)
 (Specify one of the following in place of "C"
 J - for 2" canopies at non-feed locations.)

Surface Mount SM

Distribution

Narrow Flood NFL
 Flood 1 FL1
 Flood 2 FL2
 Wide Flood WFL
 Louvered Mixing Chamber LMC

Factory Options

Black Cord BKCD
 Emergency Circuit _EC
 Emergency Battery Pack _EM
 (Consult factory for available options.)

Louwer Finish

Matte Black BK
 Black Specular BS
 Clear Diffuse CD
 Clear Specular CS
 Matte White WH

Housing & Faceplate Finish

Matte Black BK
 Titanium Silver TS
 Matte White WH

Luminaire Length

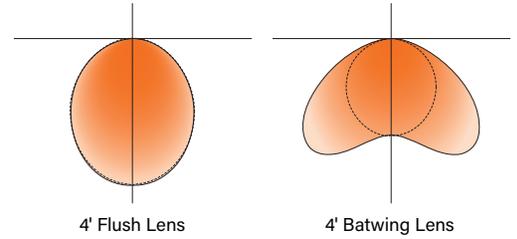
Total luminaire/row length _____ft_in
 (12" increments, 4" minimum run length.)

4' PERFORMANCE CHART - LENSED DISTRIBUTIONS

Shielding	Lumens per Foot	Delivered Lumens	Tested System Watts	LPW
Batwing/ Flush Lens	250LF	1000	10	98
	375LF	1500	15	104
	500LF	2000	19	106
	625LF	2500	25	103

Based on 3500K, 4' length. Lumen output may vary +/- 5%. Actual wattage may vary +/- 5%.

PERFORMANCE CURVES

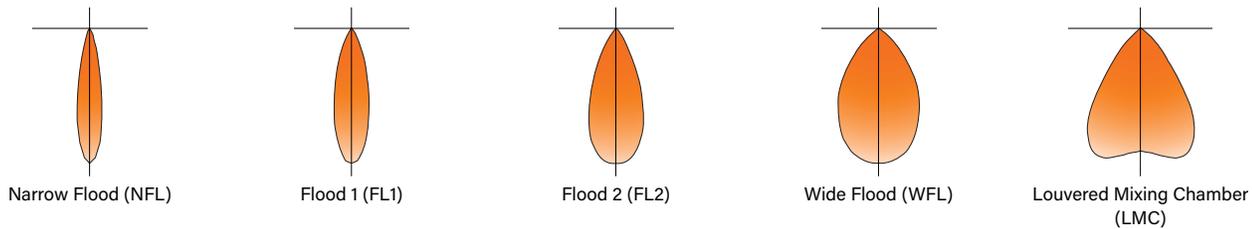


4' PERFORMANCE CHART - LOUVERED DISTRIBUTIONS

Distribution	Lumens per Foot	Tested System Watts	LPW
WFL	250	11.0	92
	375	14.7	101
	500	19.3	106
	625	24.3	105
	750	28.3	107
	875	32.6	107
	1000	37.0	108

Based on 4' luminaire, 3500K, 80 CRI, Matte Black baffle. Lumen output may vary +/- 5%. Actual wattage may vary +/- 5%.

PERFORMANCE CURVES



SEEM 1 LOUVER LUMEN MULTIPLIER TABLE

Lens Color Temperature & CRI

Color Temperature	Multiplier
2700K, 80+ CRI [27K]	0.96
2700K, 90+ CRI [927K]	0.79
3000K, 80+ CRI [30K]	1.00
3000K, 90+ CRI [930K]	0.82
3500K, 80+ CRI [35K]	1.00
3500K, 90+ CRI [935K]	0.84
4000K, 80+ CRI [40K]	1.01
4000K, 90+ CRI [940K]	0.86

Louver Color Temperature & CRI

Color Temperature	Multiplier
2700K, 80+ CRI [27K]	0.95
2700K, 90+ CRI [927K]	0.80
3000K, 80+ CRI [30K]	0.97
3000K, 90+ CRI [930K]	0.83
3500K, 80+ CRI [35K]	1.00
3500K, 90+ CRI [935K]	0.85
4000K, 80+ CRI [40K]	1.03
4000K, 90+ CRI [940K]	0.87

Louver Distribution

Distribution	Multiplier
Narrow Flood [NFL]	1.34
Flood 1 [FL1]	1.14
Flood 2 [FL2]	1.21
Wide Flood [WFL]	1.00
Louvered Mixing Chamber [LMC]	0.97

Louver Finish

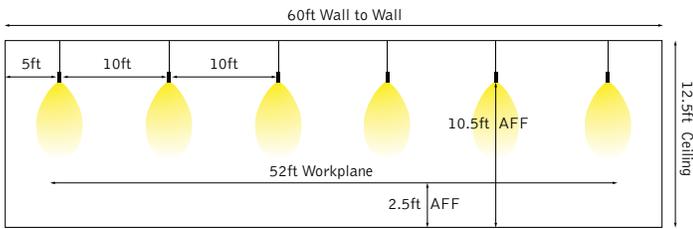
Color	Multiplier
Matte Black [BK]	1.00
Black Specular [BS]	1.00
Clear Diffuse [CD]	1.07
Clear Specular [CS]	1.10
Matte White [WH]	1.11

How To Use Lumen Multipliers

Formula: (Lumen Output Value) x (Color Temperature & CRI) x (Distribution) x (Finish)

Louver Example: FSM1CBS-1000DL-930K-NFL-BS
 $(1000) \times (0.83) \times (1.34) \times (1.00) \approx 1112.2$ lm (estimated delivered lumens)

SEEM 1 LOUVER APPLICATION EXAMPLE - FULLY LOUVERED

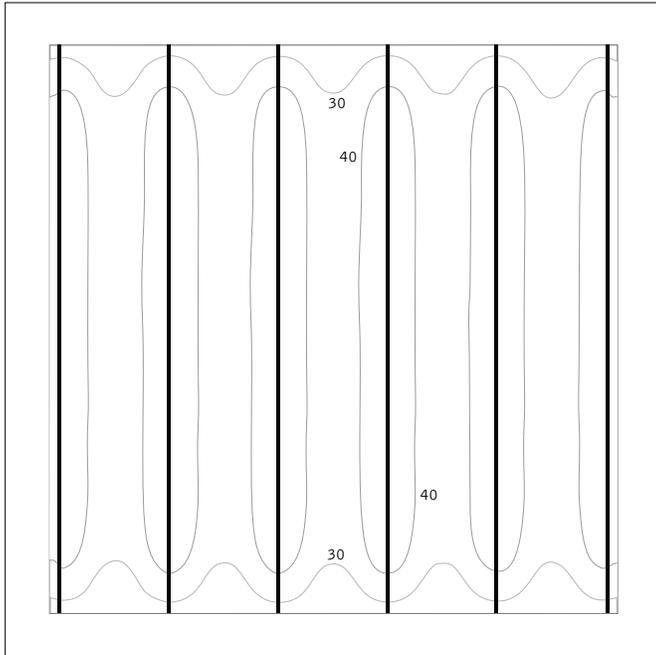


Average Illuminance = 38 fc

Lighting Power Density (LPD) = 0.38

Seem 1 Louver with fully louvered direct illumination is a powerful and efficacious solution for open working environments. Workplanes benefit from 32 footcandles or more and superior uniformity with a lighting power density of less than 0.38 while maintaining luminaire on-center spacing of 8 feet or greater.

Workplane Illuminance



Calculation Details

Room Area:	60ft x 60ft
Calculation Area:	52ft x 52ft
Ceiling Height:	12.5ft
Luminaire Height:	10.5ft AFF
Luminaire Spacing:	10ft OCS
Workplane Height:	2.5ft AFF
Reflectances:	80/50/20
Light Loss Factor:	0.9

Luminaire Details

Shielding:	Fully Louvered, Wide Flood
Lumens per foot:	375 Direct
Louver finish:	Matte Black

Ceiling Height	Installation		Lumens/ft	Louver Distribution	LPD (Watts/ft ²)	Workplane	
	AFF	On-center Spacing				Average Footcandles	Uniformity (avg. to min.)
11ft	9ft	8ft	250LF	WFL	0.34	33.1	2.00
				LMC		32.0	1.95
12.5ft	10.5ft	10ft	375LF	WFL	0.38	38.1	1.98
				LMC		36.8	1.96