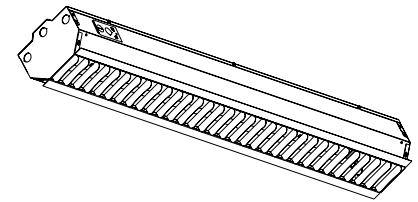


Architectural Fluorescent

Microslot

2 Lamp T5 or T5HO Recessed



application

- Provides high-impact lighting ideal for illuminating retail shelves, library stacks, corridors and other special applications where high vertical illuminance is required.
- Optix reflector technology provides high horizontal and vertical illumination, making the luminaire suitable for area lighting as well as vertical illumination.
- 2 lamp 54WT5HO model emits as much light as a traditional 4 lamp 2x4 troffer, while consuming 85% less ceiling area.
- High lumen package (when using 54WT5HO lamps) and wide spacing/mounting height ratio combine to allow wide luminaire spacing for horizontal illumination installations.
- In most area lighting applications, fewer MicroSlot luminaires can be used (compared to conventional troffers or parabolics) to provide the same horizontal illumination, significantly higher vertical illumination, and improved uniformity while reducing installation and maintenance costs.
- Narrow 3-1/2" aperture for use where aesthetics demand an architecturally clean ceiling.
- Narrow aperture consumes 85% less ceiling area than 2x4 luminaires and 71% less ceiling area than 2x2 or 1x4 luminaires.
- Suitable for individual or row mounting.
- Knockouts in ends allow through wiring for continuous row applications.
- Available for grid type (NEMA G) T-bar or flange type (NEMA F) drywall or plaster ceiling applications.

construction/finish

- Housing is multi-stage phosphate treated for maximum corrosion resistance and finish coat is high reflectance baked white enamel.
- Reflector is constructed from Alanod MIRO-4 or equivalent, providing 95% minimum reflectance and high specularity.
- Two piece reflector allows removal through aperture and ballast access from below.
- Easy to attach grid clips are included for ease of installation on T-bar ceilings.
- Solid white architecturally shaped baffles are standard to provide longitudinal shielding.
- Flush, perforated and/or silver baffles are available to provide different architectural features.

electrical

- Class P, HPF ballasts comply with ©Federal Ballast Law (Public Law 100-357, 1988).
- UL listed for damp locations. Canadian model optional.
- Self-contained fluorescent emergency power packs can be incorporated, UL listed for dry locations. Some models will require a secondary ballast enclosure on top, consult factory for details.
- Energy saving electronic ballasts are standard.

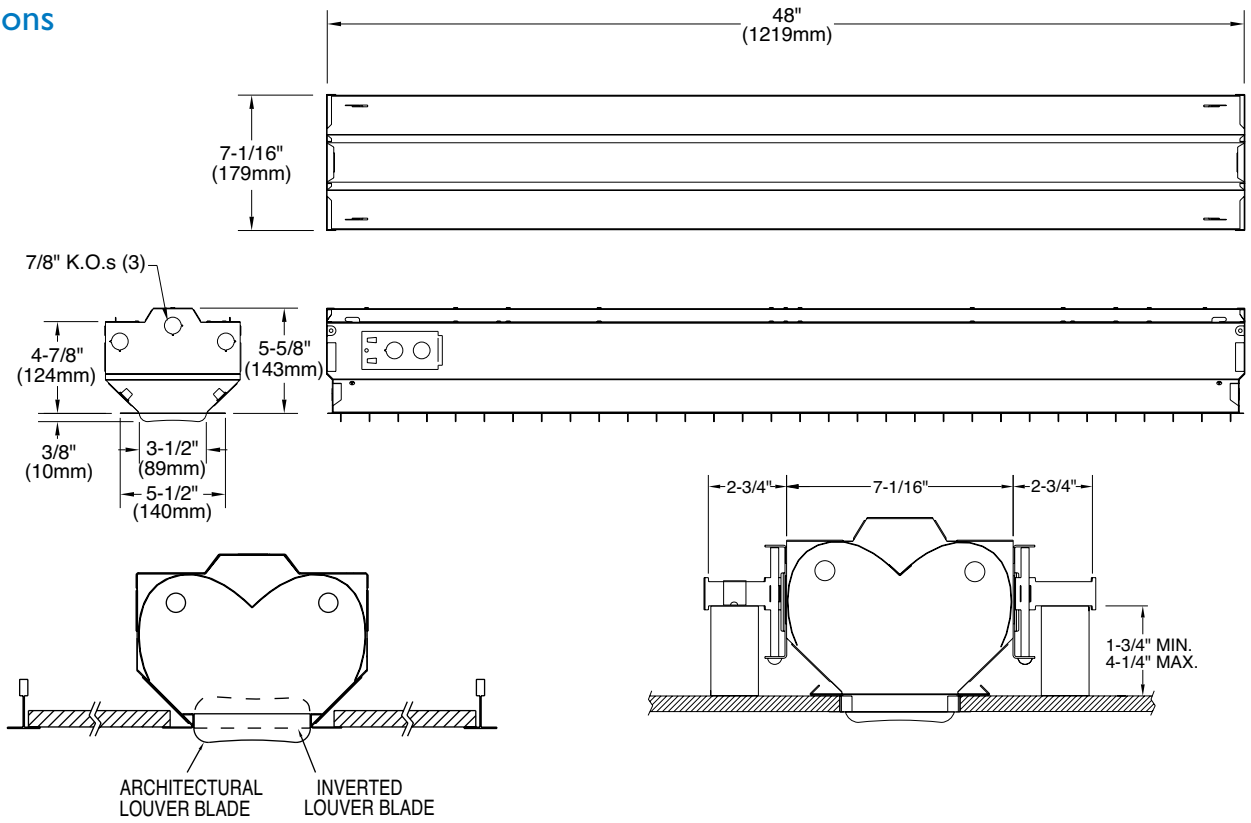
Specifier's Reference

Project
Type
Model No.
Comments

Green Choice: MSG228-W-UNV-1/2-EB-LPT835HL

MS	2	-	-	-	-	-
Family MS – Microslot	Ceiling Type G - Grid F - Flange	Lamp Type/Wattage 14 – 14WTS (22") 24HO – 24WT5HO (22") 21 – 21WTS (34") 39HO – 39WT5HO (34") 28 – 28WTS (46") 54HO – 54WT5HO (46")	Louver W – white solid architectural blades (standard) WF – white solid blades flush w/ceiling PW – white perforated architectural blades PWF – white perforated blades flush with ceiling S – silver solid architectural blades SF – silver solid blades flush w/ceiling PS – silver perforated architectural blades PSF – silver perforated architectural blades flush w/ceiling	Voltage 120 277 347 UNV – Universal voltage, 120-277 volt	Ballast Config. 1/2-EB – One 2-lamp electronic ballast 2/1-EB – Two 1-lamp electronic ballasts	Options CM – Canadian Market LPT830 – Installed lamps 80+ CRI 3000K LPT835 – Installed lamps 80+ CRI 3500K LPT841 – Installed lamps 80+ CRI 4100K LPT830HL – Installed F28T5 high lumen lamp 80+ CRI 3000K LPT835HL – Installed F28T5 high lumen lamp 80+ CRI 3500K LPT841HL – Installed F28T5 high lumen lamp 80+ CRI 4100K LPT830/49ES – Installed 49W F54T5HOES lamp 80+ CRI 3000K LPT835/49ES – Installed 49W F54T5HOES lamp 80+ CRI 3500K LPT841/49ES – Installed 49W F54T5HOES lamp 80+ CRI 4100K E7LP – Emerg. ballast, 390-700 lumens E6LP – Emerg. ballast, 725-1325 lumens GLR# – Fusing, fast blow (# = number of ballasts)
	No. of Lamps/Cross Section (not included) 2					

dimensions



	Ceiling Opening Required	Trim Flange Dimension
2'	4" x 23-1/2"	4-7/16" x 24"
3'	4" x 35-1/2"	4-7/16" x 36"
4'	4" x 47-1/2"	4-7/16" x 48"

Flange Type

Due to the small aperture, flange option MicroSlot luminaires install much like downlights. The luminaire must be installed into the plenum and anchored to a structural member before the plaster or drywall ceiling is constructed. After the ceiling is completed around the luminaire flange, the opening is finished by means of a "baffle trim" that snaps in from below.

photometry

Microslot 2 Lamp T5

Efficiency – 68.8%

LER – 68

TER – 54

Catalog No.	MSG228-VV-1/2-EB
Test No.	21219
S/MH	1.6
Lamp Type	F28T5
Lumens/Lamp	2600
Ballast Factor	1.0
Input Watts	59

Candlepower			
Angle	End	45	Cross
0	1531	1531	1531
5	1500	1486	1452
10	1453	1451	1462
15	1381	1412	1417
20	1295	1314	1558
25	1196	1311	1675
30	1074	1328	1700
35	949	1298	1660
40	817	1199	1477
45	690	1076	1252
50	559	880	1106
55	433	679	1048
60	321	518	829
65	239	380	479
70	180	246	236
75	124	164	188
80	76	115	121
85	33	74	45

Light Distribution			
Degrees	Lumens	% Lamp	% Luminaire
0-30	1177	20.3	29.5
0-40	1973	34.0	49.4
0-60	3376	58.2	84.6
0-90	3991	68.8	100.0

Average Luminance			
Angle	End	45°	Cross
45	8403	13104	15247
55	6501	10194	15734
65	4870	7743	9760
75	4126	5456	6255
85	3260	7311	4446

Comparative yearly lighting energy cost per 1000 lumens – \$3.53 based on 3000 hrs. and \$.08 pwr KWH.

The photometric results were obtained in the Philips Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Coefficients of Utilization

pcc	EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)								
	80			70			50		
pw	70	50	30	70	50	30	50	30	
RCR	0	82	82	82	81	81	81	77	77
1	76	72	70	75	71	68	68	67	
2	69	65	59	68	63	58	60	57	
3	64	56	52	63	56	51	54	50	
4	58	51	45	56	50	45	48	44	
5	54	46	40	53	45	39	44	39	
6	50	40	34	48	40	34	39	34	
7	46	38	32	45	36	30	35	30	
8	42	34	28	41	34	28	33	28	
9	40	30	26	40	30	26	29	25	
10	38	28	23	36	28	23	28	23	



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Contact Factory for Additional Configurations.
 Specifications are subject to change without notice.
 Some luminaires use fluorescent or high intensity discharge (HID) lamps that contain small amounts of mercury. Such lamps are labeled, "Contain Mercury" and/or the symbol "HG". Lamps that contain mercury must be disposed of in accordance with local requirements. Information regarding lamp recycling and disposal can be found at www.lamprecycle.org

