

Mini-Beam 2' x 4' Recessed Fluorescent **MBS2GPW154**

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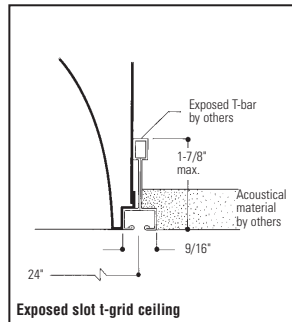
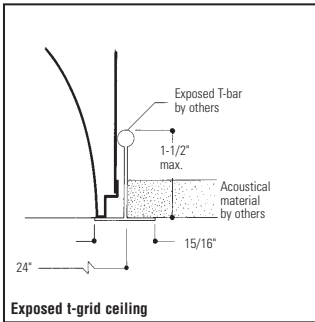
Direct/Indirect, Static, 1 Lamp, Linear T5, 54 Watt or 28 Watt

Features

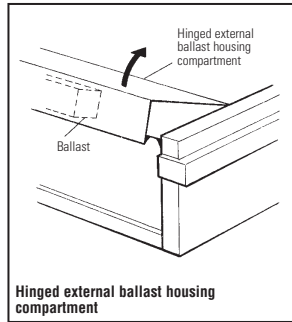
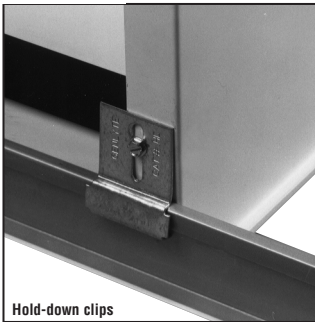
- Direct/indirect lamp shield appearance with soft contoured interior.
- Four inch wide perforated mesh lamp shield with white acrylic overlay.
- 78% efficient.
- Only 5-1/2" deep.
- Same fixture fits both G and T ceiling types.
- Fits flush to face of slot grid (T) ceiling types.
- Lamp shield hinges from either side.
- Hinged external ballast housing compartment.
- Can be continuous row mounted.
- Wiring access plate standard.
- 4 hold-down clips standard.
- Housing is 20 gauge steel, meets NYC Code requirements.
- Optional DALI ballast accepts digital dimming commands from computers, scene controllers and automatic control devices.



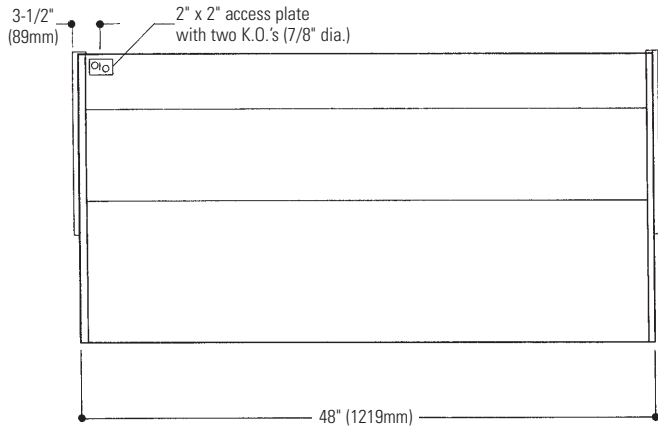
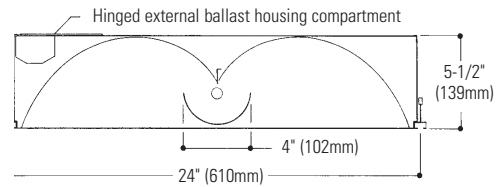
Mounting Methods



Features



Dimensions



Job Information

Type:

Job Name:

Cat. No.:

Lamp(s):

Volts/Ballast:

Lightolier a Genlyte Thomas Company www.lightolier.com
 Technical Information: (978) 657-7600 • Fax (978) 658-0595
 631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710
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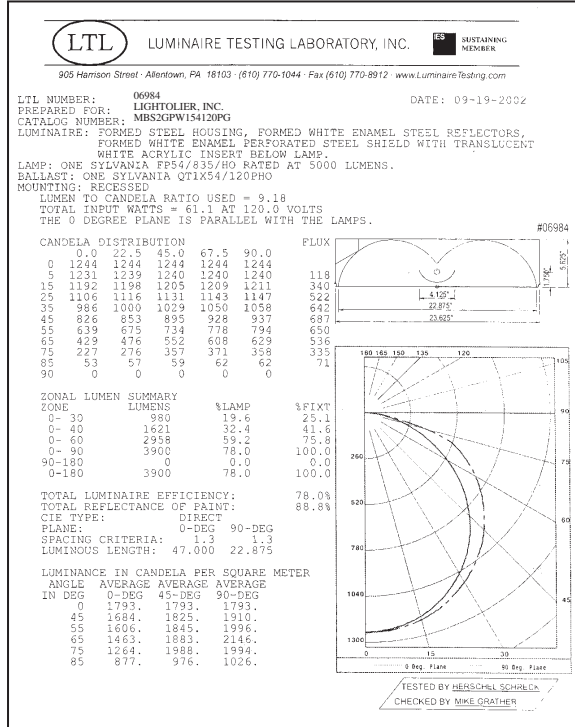
Mini-Beam 2' x 4' Recessed Fluorescent MBS2GPW154

Photometry

Model No. MBS2GPW15420PG

LER = FL -56.2 IW - 61.1 BF - 0.88

Comparative yearly lighting energy cost per 1000 lumens = \$7.40



coefficients of utilization — zonal cavity method (effective floor cavity reflectance 0.20)

RF	20			20			20			
RC	80			50			30			
RW	70	50	30	50	30	10	50	30	10	
room cavity ratio	1	85	82	78	76	74	72	73	71	70
	2	77	71	66	67	63	59	64	61	58
	3	71	63	56	59	54	50	57	53	49
	4	65	55	49	52	47	42	51	46	42
	5	59	49	42	46	40	36	45	39	35
	6	54	43	36	45	35	31	40	35	31
	7	50	39	32	37	31	27	36	31	27
	8	46	35	28	33	27	23	32	27	23
	9	42	31	25	30	24	20	29	24	20
	10	39	28	22	27	21	18	26	21	17

visual comfort probability (rated lumens per lamp ????)

W	L	ceiling height				ceiling height			
		8.5	10.0	13.0	16.0	8.5	10.0	13.0	16.0
20	20	66	73	83	91	59	67	80	90
20	30	61	66	73	82	54	57	66	77
20	40	59	62	68	74	54	55	58	66
20	60	58	61	64	70	53	55	56	60
30	20	65	71	81	89	60	68	78	88
30	30	60	64	70	79	56	58	64	75
30	40	58	60	65	71	54	55	57	64
30	60	57	59	61	66	54	54	54	57
30	80	57	59	60	64	54	55	53	56
40	20	66	71	80	88	63	69	78	87
40	30	61	64	69	77	58	59	65	74
40	40	58	60	63	69	56	56	57	63
40	60	58	58	59	64	55	55	54	56
40	80	58	58	58	61	56	55	53	55
40	100	59	59	58	60	56	56	53	54
60	30	63	65	68	76	60	61	65	74
60	40	60	61	62	68	58	58	57	63
60	60	59	59	58	62	57	56	54	56
60	80	59	58	56	59	57	56	53	54
60	100	60	59	56	58	57	56	53	53
100	40	64	65	64	68	63	62	61	66
100	60	63	62	60	62	61	60	57	58
100	80	62	61	58	59	60	59	55	56
100	100	63	61	57	58	61	59	55	54

Ordering Information

Explanation of Catalog Number. Example: MBS2GPW15420PGGLR

MB Mini-Beam Direct/Indirect Recessed with Perforated Mesh Shield	S Body Style: S = Static	2 Fixture Width	G Ceiling Type: Fits both Standard Grid and Slot Grid	P Perforated Lamp Shield	W White Reflector	1 Lamp Quantity	Lamp Quantity: (By others) 54 = HO/T5 54 Watt 28 = 28 Watt T5	Voltage: 120 or 277	Ballast: PI = Linear T5 Instant Start Less than 10 THD PG = Programmed Start Less than 10 THD	Options: Add appropriate suffix to catalog no, ie: (GLR)
MN For Local 3 Manufacturing	For Local 3 Manufacturing, substitute MN for MB . Example: MNS2GPW15420PGGLR									

Options/Accessories

Fusing: Internal fast-blow fusing. Suffix: **GLR**.
 Internal slow-blow fusing. Suffix: **GMF**.
Electrical/Wiring Options: Consult factory.

Specifications

Performance: In an installation of 1 lamp 54W luminaires in a room cavity of 1, with reflectance of 80% ceiling, 50% walls, 20% floor, the C.U. shall not be less than .82. To reduce glare the average brightness at 65° shall not exceed 2146 candelas per square meter. To control veiling reflections, luminaire output in the 30°-90° zone shall not be less than 74.9%.

Materials: **Housing** is die-formed 20 gauge steel.
Finish: **Chassis exterior**—baked white acrylic enamel. **Reflector**—baked flat white acrylic enamel, minimum 86% reflectance. Phosphate undercoating.
Lamp Shield—baked flat white acrylic enamel.
Electrical: Thermally protected class "P" ballast C.B.M. approved, non PCB. If K.O. is within 3" of ballast, use wire suitable for at least 90°.
Labels: I.B.E.W./UL and ULc Listed.

Job Information Type:

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