

# MD\*4 2'x2' Recessed Fluorescent **MDS2G36PS4FT**

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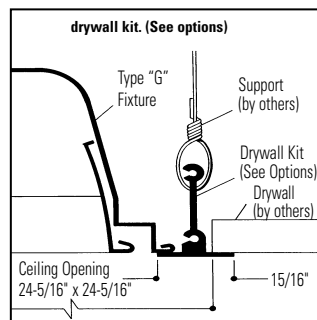
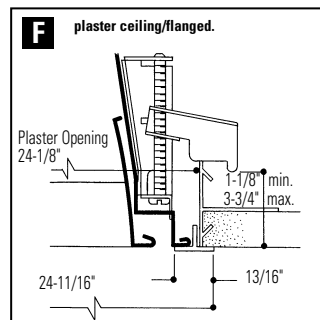
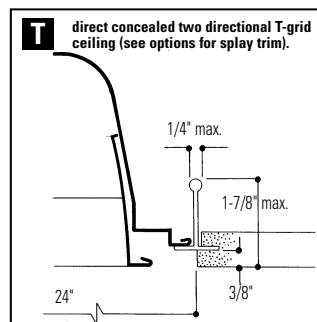
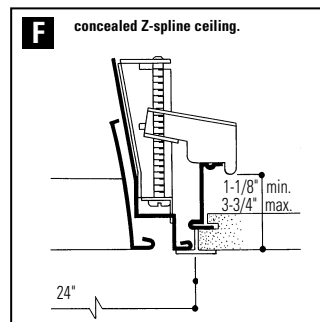
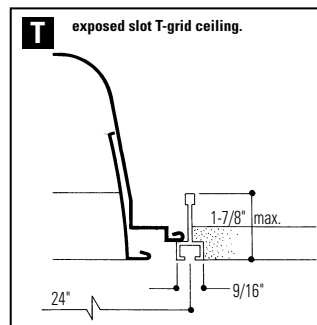
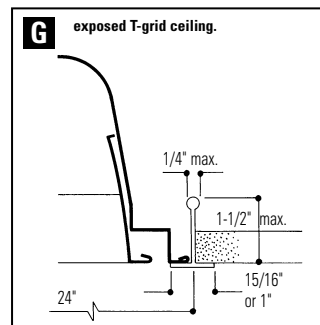
Examination Light, 1-1/2" Deep, 36 Cell (6 Rows) Parabolic Louver, Static, 4 Lamp TT5

## Features

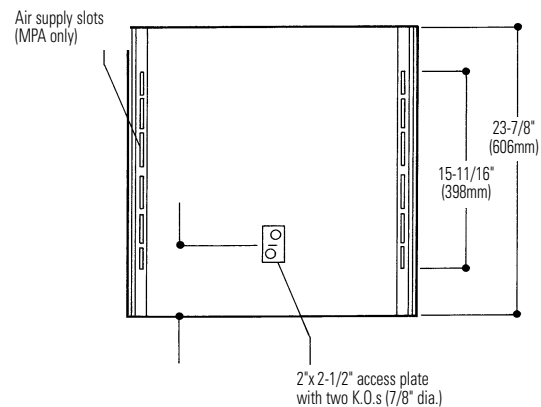
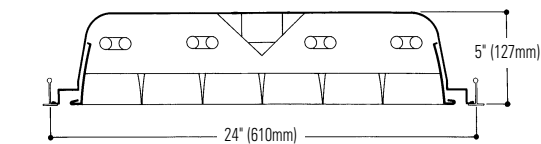
- 2 units provide 123 footcandles on patients bed when installed over each end of bed.
- Utilizes 4-40 watt Biax type lamps with excellent color rendition (82 CRI).
- Efficiency 55.9%.
- Electronic ballast, standard for cool operation, consumes only 132 watts.
- Only 5" deep.
- 3-1/2" x 3-1/2" cell size.
- Low iridescence specular pre-anodized aluminum louver, standard.
- Louver has prismatic virgin acrylic overlay.
- Louver has protective film dust guard.
- Reversible louver hinging.
- Door jamb with integral positive light stop.
- Spring-loaded "roosterhead" latches.
- Integral earthquake clip.
- Metal gauge/construction to meet NYC Code requirements is available.



## Mounting Methods



## Dimensions



## Job Information

## Type:

**Job Name:**

**Cat. No.:**

**Lamp(s):**

**Volts/Ballast:**

**Lightolier** a Genlyte Thomas Company [www.lightolier.com](http://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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**LIGHTOLIER®**



# MD\*4 2'x2' Recessed Fluorescent MDS2G36PS4FT

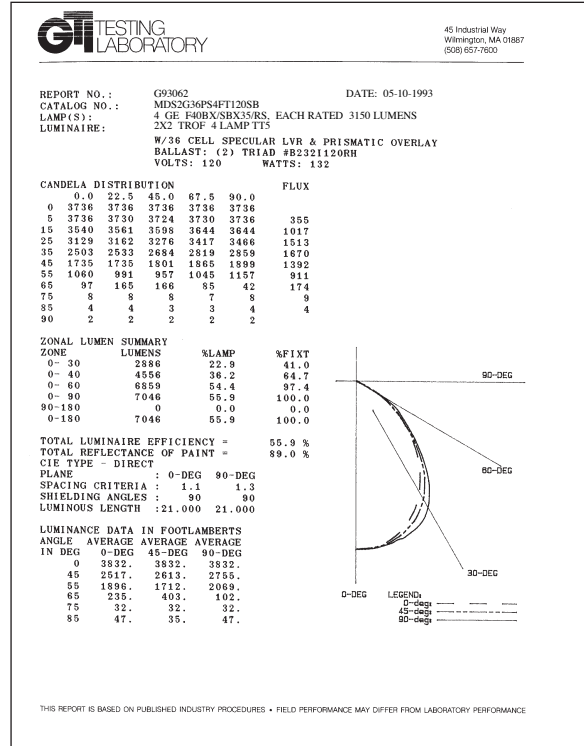
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Examination Light, 1-1/2" Deep, 36 Cell (6 Rows) Parabolic Louver, Static, 4 Lamp TT5

## Photometry

Model No. MDS2G36PS4FT120SB

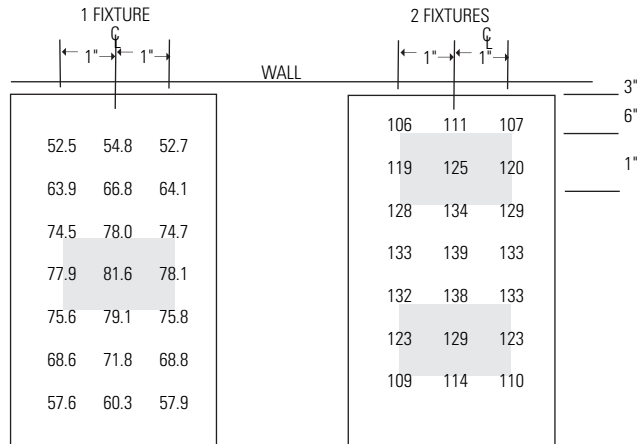
LER = FP - 51.3 IW - 132 BF - 0.96  
Comparative yearly lighting energy cost per 1000 lumens = \$4.67



### coefficients of utilization — zonal cavity method

| RC | 80 |    |    | 50 |    |    | 30 |    |    |
|----|----|----|----|----|----|----|----|----|----|
| RW | 70 | 50 | 30 | 50 | 30 | 10 | 50 | 30 | 10 |
| 1  | 63 | 61 | 59 | 57 | 56 | 55 | 55 | 54 | 54 |
| 2  | 59 | 56 | 53 | 53 | 51 | 49 | 51 | 49 | 48 |
| 3  | 55 | 51 | 47 | 48 | 46 | 44 | 47 | 45 | 43 |
| 4  | 51 | 46 | 42 | 44 | 41 | 39 | 43 | 40 | 38 |
| 5  | 48 | 42 | 38 | 40 | 37 | 34 | 39 | 38 | 34 |
| 6  | 44 | 38 | 34 | 37 | 33 | 31 | 36 | 33 | 31 |
| 7  | 41 | 35 | 31 | 34 | 30 | 27 | 33 | 30 | 27 |
| 8  | 38 | 31 | 27 | 30 | 27 | 24 | 30 | 26 | 24 |
| 9  | 35 | 28 | 24 | 27 | 24 | 21 | 27 | 24 | 21 |
| 10 | 33 | 26 | 22 | 25 | 21 | 19 | 25 | 21 | 19 |

### INITIAL FOOTCANDLE READINGS ON BED



## Ordering Information

Explanation of Catalog Number. Example: MDS2G36PS4FT120SBR

|   |   |                                  |                          |  |                            |  |                          |  |                               |  |  |
|---|---|----------------------------------|--------------------------|--|----------------------------|--|--------------------------|--|-------------------------------|--|--|
| <b>Blank</b> = Standard<br>N = NYC Code | <b>MD</b>   | <b>S</b>                         | <b>2</b>                 |  | <b>36</b>                  |  | <b>4</b>                 | <b>FT</b>  |                               |  |  |
|   | <b>MD*4</b><br>2'x2' Recessed<br>Examination<br>Light | <b>Body Style:</b><br>S = Static | <b>Fixture<br/>Width</b> |  | <b>Number of<br/>Cells</b> |  | <b>Lamp<br/>Quantity</b> | <b>Lamp Fixture<br/>Length:</b><br>FT = Twin Tube<br>T5<br>(Nominal 24") | <b>Voltage:</b><br>120 or 277 | <b>Ballast:</b><br>2-2 Lamp Elec. (TT5)<br>(40 Watt)<br>LOL TT5 Dimming)<br>*Instant Start Standard<br>Other dimming options. Consult factory. | <b>Options:</b><br>Add appropriate<br>suffix to catalog<br>no, ie: (R) |
|   |   |                                  |                          | <b>Ceiling Type:</b><br>G = Grid (lay-in)<br>T-bar<br>F = Flanged (over lap)<br>Z spline and plaster<br>frame<br>T = Slot grid or<br>two-directional<br>concealed<br>T (see options) |                            |  |                          |  |                               |  |  |

\*Consult factory for availability of room finishes.

## Options/Accessories

**Fusing:** Internal fast-blow fusing. Suffix: **GLR**.

Internal slow-blow fusing. Suffix: **GMF**.

**Electrical Wiring Options:** Consult factory.

**Drywall/Plaster:** For drywall or plaster ceiling, Order Catalog Number: **FK92X2** (see Folio OA 30-10) or Catalog Number: **S2X2 F Kit** (See Folio OA30-30).

## Specifications

**Performance:** In an installation of 4 lamps 40 W luminaires in a room cavity of 1, with reflectance of 80% ceiling, 50% walls, 20% floor, the C.U. shall not be less than .61. To reduce glare the VCP shall be not less than 87 either length-wise or crosswise (at 100 fc level) and the average brightness at 65° shall not exceed 403 footlamberts. To prevent veiling reflections, luminaire output in the 30°-90° zone shall be not less than 59.0%.

Materials: Chassis parts are die-formed code gauge cold rolled steel. Housing has all edges turned over for safe handling.

**Louver:** Pre-anodized aluminum (Coilzak® or equal).

**Overlay:** Prismatic virgin acrylic, pattern 12.

**Finish: Cavity**—white baked polyester enamel minimum reflectance 86%.

Phosphate undercoating. **Chassis exterior**—black baked polyester enamel to reduce ballast temperature.

## Specifications (continued)

**Louver:** **PS** = low iridescence specular pre-anodized aluminum (standard).

**LS** = low iridescence semi-specular pre-anodized aluminum. Note: both louver selections come with a virgin acrylic overlay to enclose all lamps. **VA** = .095" nominal thickness prismatic virgin acrylic.

**Electrical:** Instant start HPF, SB (Biax Type) thermally protected class "P" electronic ballast UL-listed. 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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