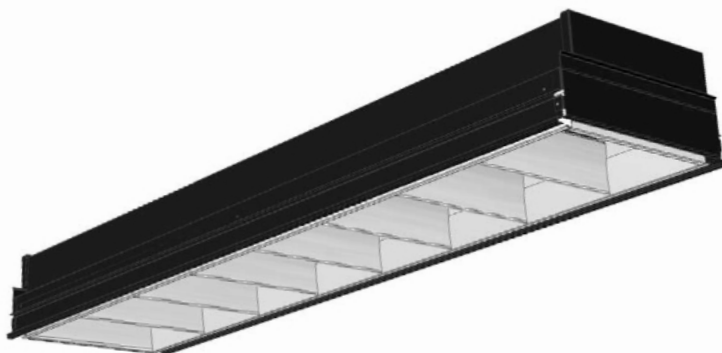
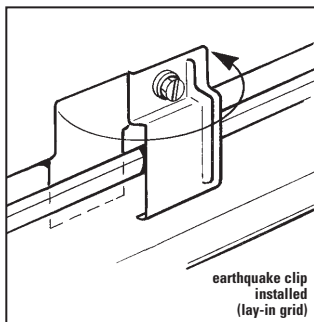
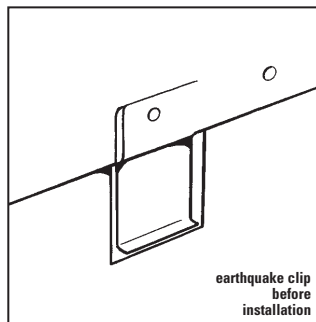
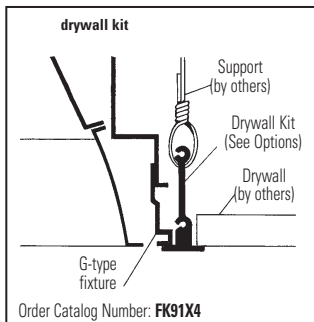
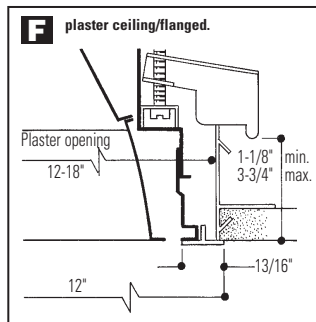
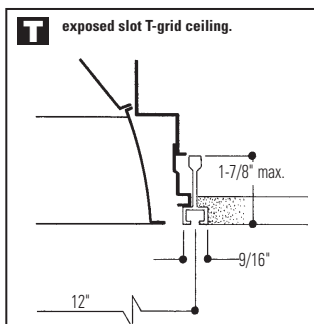
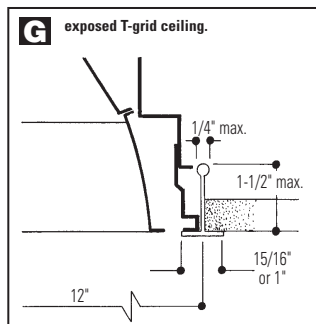


VRA Recessed Fluorescent VRA1G8LW232

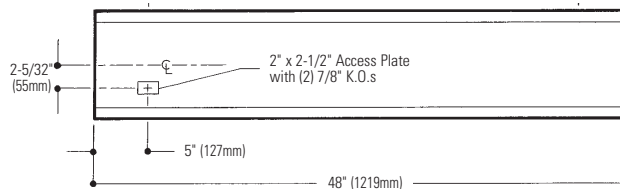
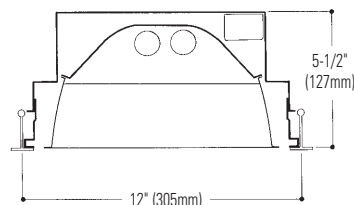
- Meets IES RP1 for lighting VDT areas with normal use.
- 70.3% efficient (2 Lamp T8) specular louver.
- 66.9% efficient (2 Lamp T8) semi-specular louver.
- 1.6 spacing mounting ratio.
- Vertical grain on louver eliminates reflected lamp images on the cross baffle.
- Louver frame with positive light stop.
- Spring-loaded latches, (self-centering).
- Reversible louver hinging.
- Louver has protective dust guard.
- Only 5-1/2" deep.
- Black housing for cooler ballast operating temperature.
- Turned-in edges for safe handling.
- Built-in earthquake clips.
- Air closure strips (optional).
- Construction to meet NYC Code or Chicago Plenum requirements is available.



Mounting Methods



Dimensions



Job Information

Type:

Job Name:

Cat. No.:

Lamp(s):

Volts/Ballast:

Lightolier a Genlyte 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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Section 2/Folio G05-31



VRA Recessed Fluorescent VRA1G8LW232

Model No. VRA1G8LW232120SO

LER = FP - 56.0 IW - 59.3 BF - 0.87
Comparative yearly lighting energy cost per
1000 lumens = \$4.29

Report Number: LTL08965
Catalog Number: VRA1G8LW232120SO
Lamps: F32T8/TL841/ALTO
Luminaire: VRA 1' x 4' with white reflector
and 8 cell low iridescence semi-specular
louver.
Ballast: SYL QT2X32T8/120ISN-SC
Report is based on 2850 Lumens per lamp.
Efficiency: 66.9%
CIE Type-Direct-Indirect
Plane: 0-Deg 90-Deg
Spacing Criteria: 1.2 1.6
Shielding Angles: 90 90
Plane: 0-Deg 90-Deg
Luminous Length: 46.125 9.375

CANDELA DISTRIBUTION

| | 0.0 | 45.0 | 90.0 | FLUX |
|----|------|------|------|------|
| 0 | 1547 | 1547 | 1547 | |
| 5 | 1535 | 1553 | 1559 | 148 |
| 15 | 1471 | 1547 | 1600 | 437 |
| 25 | 1352 | 1523 | 1673 | 702 |
| 35 | 1186 | 1466 | 1661 | 903 |
| 45 | 956 | 1237 | 1313 | 908 |
| 55 | 606 | 691 | 531 | 568 |
| 65 | 69 | 140 | 106 | 129 |
| 75 | 16 | 13 | 14 | 16 |
| 85 | 2 | 2 | 2 | 2 |
| 90 | 0 | 0 | 0 | |

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD. EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

| RC | 80 | 50 | 30 | 10 | 50 | 30 | 10 |
|-------|----|----|----|----|----|----|----|
| RW 70 | 75 | 73 | 70 | 68 | 67 | 65 | 63 |
| 1 | 75 | 73 | 70 | 68 | 67 | 65 | 63 |
| 2 | 70 | 66 | 63 | 62 | 60 | 58 | 56 |
| 3 | 65 | 60 | 55 | 57 | 54 | 51 | 50 |
| 4 | 60 | 54 | 49 | 51 | 48 | 45 | 44 |
| 5 | 56 | 48 | 43 | 46 | 42 | 39 | 39 |
| 6 | 52 | 44 | 39 | 42 | 38 | 34 | 34 |
| 7 | 47 | 39 | 34 | 38 | 33 | 30 | 30 |
| 8 | 44 | 35 | 30 | 34 | 29 | 26 | 26 |
| 9 | 40 | 31 | 26 | 30 | 26 | 22 | 22 |
| 10 | 37 | 28 | 23 | 27 | 23 | 20 | 20 |

LUMINANCE DATA IN CANDELA/SQ. METER

| AVERAGE IN DEG. | AVERAGE 0-DEG. | AVERAGE 45-DEG. | AVERAGE 90-DEG. |
|-----------------|----------------|-----------------|-----------------|
| 45 | 4846. | 6270. | 6655. |
| 55 | 3787. | 4318. | 3318. |
| 65 | 585. | 1187. | 899. |
| 75 | 222. | 180. | 194. |
| 85 | 82. | 82. | 82. |

ZONAL LUMEN SUMMARY

| ZONE | LUMENS | % LAMP | % FIXT |
|--------|--------|--------|--------|
| 0- 30 | 1287 | 22.6 | 33.8 |
| 0- 40 | 2190 | 38.4 | 57.4 |
| 0- 60 | 3665 | 64.3 | 96.1 |
| 0- 90 | 3812 | 66.9 | 100.0 |
| 90-180 | 0 | 0.0 | 0.0 |
| 0-180 | 3812 | 66.9 | 100.0 |

Model No. VRA1G8PW232120SO

LER = FP - 58.8 IW - 59.0 BF - 0.87
Comparative yearly lighting energy cost per
1000 lumens = \$4.08

Report Number: 08966
Catalog Number: VRA1G8PW232120SO
Lamps: F32T8/TL841/ALTO
Luminaire: VRA 1' x 4' with white reflector
and 8 cell specular louver.
Ballast: SYL QT2X32T8/120ESN-SC
Report is based on 2850 Lumens per lamp.
Efficiency: 70.3%
CIE Type-Direct-Indirect
Plane: 0-Deg 90-Deg
Spacing Criteria: 1.2 1.6
Shielding Angles: 90 90
Plane: 0-Deg 90-Deg
Luminous Length: 46.125 9.375

CANDELA DISTRIBUTION

| | 0.0 | 45.0 | 90.0 | FLUX |
|----|------|------|------|------|
| 0 | 1570 | 1570 | 1570 | |
| 5 | 1558 | 1578 | 1580 | 150 |
| 15 | 1501 | 1583 | 1641 | 447 |
| 25 | 1390 | 1601 | 1758 | 736 |
| 35 | 1229 | 1602 | 1805 | 974 |
| 45 | 1016 | 1388 | 1388 | 991 |
| 55 | 681 | 741 | 477 | 602 |
| 65 | 24 | 130 | 70 | 104 |
| 75 | 3 | 3 | 1 | 3 |
| 85 | 1 | 0 | 0 | 1 |
| 90 | 0 | 0 | 0 | |

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD. EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

| RC | 80 | 50 | 30 | 10 | 50 | 30 | 10 |
|-------|----|----|----|----|----|----|----|
| RW 70 | 79 | 76 | 74 | 72 | 70 | 69 | 67 |
| 1 | 79 | 76 | 74 | 72 | 70 | 69 | 67 |
| 2 | 74 | 69 | 66 | 66 | 63 | 61 | 60 |
| 3 | 69 | 63 | 59 | 60 | 56 | 54 | 53 |
| 4 | 64 | 57 | 52 | 54 | 50 | 47 | 47 |
| 5 | 58 | 51 | 46 | 49 | 45 | 41 | 44 |
| 6 | 54 | 46 | 41 | 44 | 40 | 36 | 39 |
| 7 | 50 | 41 | 36 | 40 | 35 | 32 | 35 |
| 8 | 46 | 37 | 31 | 36 | 31 | 27 | 30 |
| 9 | 42 | 33 | 27 | 32 | 27 | 24 | 27 |
| 10 | 39 | 30 | 24 | 29 | 24 | 21 | 24 |

LUMINANCE DATA IN CANDELA/SQ. METER

| AVERAGE IN DEG. | AVERAGE 0-DEG. | AVERAGE 45-DEG. | AVERAGE 90-DEG. |
|-----------------|----------------|-----------------|-----------------|
| 45 | 5150. | 7036. | 7036. |
| 55 | 4255. | 4630. | 2981. |
| 65 | 204. | 1103. | 594. |
| 75 | 42. | 42. | 14. |
| 85 | 41. | 0. | 0. |

ZONAL LUMEN SUMMARY

| ZONE | LUMENS | % LAMP | % FIXT |
|--------|--------|--------|--------|
| 0- 30 | 1333 | 23.4 | 33.3 |
| 0- 40 | 2307 | 40.5 | 57.6 |
| 0- 60 | 3900 | 68.4 | 97.3 |
| 0- 90 | 4009 | 70.3 | 100.0 |
| 90-180 | 0 | 0.0 | 0.0 |
| 0-180 | 4009 | 70.3 | 100.0 |

Ordering Information

Explanation of Catalog Number. Example: VRA1G8LW232120SOGLR

| | | | | | | | | |
|--|--|--|--|------------------------------|-------------------------------|---|--|--|
| VR | 1 | 8 | W | 2 | 32 | UNV | Options: | |
| Body Style: A= Air Handling S= Static | Fixture Width | Number of Cells: 1 row of 8 cells | Louver Finish: L= Low iridescence semi- specular (Standard) P=Low iridescence specular | Single White Reflector | Lamp Quantity: 2=2 Lamp | Lamp Type/ Fixture Length: 32=T8 (Nominal 48") | Voltage: 120, 277 or UNV=120-277 | Options: Add appropriate suffix to catalog no., ie: (GLR) |
| VR: 3" Deep Pre-anodized Aluminum Louver for Normal VDT use | Ceiling Type: G= Grid (lay-in T bar) F= Flanged (over lap) Z spline and plaster frame T= Slot grid | | | | | | Ballast Type: <20THD SO * HI * - PI † - PG †† PS - | |
| VR Standard VR | | | | | | | Other dimming options. Consult factory. *Instant Start Standard †Instant Start (120, 277 or UNV) ††Program Rapid Start (UNV only) | |
| VK For NYC Code - I.B.E.W. Manufactured | | | | | | | NOTE: For T8 UNV, you must use HI Ballast Code. | |
| VN For NYC Code - Local 3 Manufactured | | | | | | | | |

Options/Accessories

Access Plate: Top wiring access plate is shipped with fixture as standard. When access plates are required in advance for wiring convenience, specify separately. Order Catalog Number: **ACP CSP**.

Fusing: Internal fast-blow fusing. SUFFIX **GLR**.
Internal slow-blow fusing. SUFFIX **GMF**.

Radio Interference Filter: To order one RIF per fixture: SUFFIX: **R**. To order one RIF per ballast: SUFFIX: **B**.

Air Closure Strip: SUFFIX: **ACS4** (factory installed).

Chicago Plenum: SUFFIX: **C**.

Drywall Kit: Order Catalog Number: **FK91X4**.

Specifications

Air Handling: (VRA only) side air passages for air supply or return.

Optional Side Closure Strips: Air return is also provided through the lamp compartment through fixture body ends.

Materials: Chassis parts are die-formed code gauge cold rolled steel with side rails hemmed over and housing ends turned-in for safe handling. Louver is pre-anodized aluminum (Coilzak® or equal).

Specifications (continued)

Finish: Chassis exterior—black baked polyester enamel. Cavity—white baked polyester enamel minimum 86% reflectance. Phosphate undercoating. Louver—low iridescence semi-specular anodized vertical grain aluminum reflector sheet is standard.

Electrical: Thermally protected class "P" ballast C.B.M. approved, non PCB. If K.O. is with-in 3" of ballast, use wire suitable for at least 90°.

Labels: I.B.E.W. UL and ULc Listed.

Job Information

Type:

Lightolier a Genlyte company

www.lightolier.com

Technical Information: (978) 657-7600 • Fax (978) 658-0595

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