APPLICATION:
Due to its high glare control, Oracle Parabolic VDT fixtures are the perfect choice for conventional and open landscape interior office applications.

PRODUCT FEATURES:
- Housing and door frame interface provides a superior mechanical light seal and hinges down for easy lamp replacement. Ballast can be accessed from below the ceiling.
- VDT louvers are designed to dramatically reduce glare and brightness on the computer screen.
- Post Painted high gloss white powder coat finish maximizes distribution and efficiency while providing visual comfort.
- All sides and corners are turned in and hemmed removing sharp edges for safe handling and installation.
- Four corner tie points are standard for safety wire support when required. Built in earthquake clips standard.
- Wide Variety of dimming and daylight harvesting options available.
- Supplied standard with Philips Advance, GE or Universal ballast.
- Same day shipping on most options. Consult Factory.
- NEC required ballast disconnect is standard.

WARRANTY - Guaranteed for one year against mechanical defects.

LISTING - UL/ C-UL listed to US and Canadian Standards.

ORDERING INFORMATION: EXAMPLE: 22-OPVDT-3-17-T8-36-LD

<table>
<thead>
<tr>
<th>FIGURE SIZE</th>
<th>TRIM TYPE</th>
<th># LAMPS/LAMP TYPE</th>
<th>VOLTAGE</th>
<th># OF BALLAST</th>
<th>BALLAST FACTOR</th>
<th>FINISH</th>
</tr>
</thead>
<tbody>
<tr>
<td>22 - 2&quot; X 2'</td>
<td>Blank</td>
<td>(2 lamps/17W/T8)</td>
<td>17W/T8</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Blank</td>
<td>(3 lamps/17W/T8)</td>
<td>17W/T8</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Blank</td>
<td>(4 lamps/17W/T8)</td>
<td>17W/T8</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Blank</td>
<td>(2 lamps/40W/Bx)</td>
<td>40W/Bx</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

*must be ordered separately

- Satellite fixture w/o ballast
- Master fixture w/ 2 ballast & 11 ft. flex
- Master fixture w/ 2 ballast & 11 ft. flex
- Self-Diagnostic 1400 L. for T8, Bx, T5 or T5HO

**MATERIAL/SATellite**

MAS1: Master fixture w/ 1 ballast & 11 ft. flex

MAS2: Master fixture w/ 2 ballasts

SAT: Satellite fixture w/o ballast

*must be ordered separately

EX: 22-OPVDT-3-17-T8-MAS2 and 22-OPVDT-3-17-T8-SAT

EMERGENCY BATTERY PACK OPTIONS (L. = LUMENS)

<table>
<thead>
<tr>
<th>CODE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMG-T8-BX-450</td>
<td>Up to 450 L. for T8 or BX</td>
</tr>
<tr>
<td>EMG-T8-BX-600</td>
<td>Up to 600 L. for T8 or BX</td>
</tr>
<tr>
<td>EMG-T8-BX-700</td>
<td>Up to 700 L. for T8 or BX</td>
</tr>
<tr>
<td>EMG-T8-BX-1400</td>
<td>Up to 1400 L. for T8 or BX</td>
</tr>
<tr>
<td>EMG-T5-520</td>
<td>Up to 520 L. for T5</td>
</tr>
<tr>
<td>EMG-T5-TSHO-700</td>
<td>Up to 700 L. for T5 or TSHO</td>
</tr>
<tr>
<td>EMG-T5-TSHO-1300</td>
<td>Up to 1300 L. for T5 or TSHO</td>
</tr>
<tr>
<td>EMG-T5-TSHO-3200</td>
<td>Up to 3200 L. for T8, Bx, T5 or TSHO</td>
</tr>
<tr>
<td>EMG-SD-T8-BX-T5-TSHO-1400</td>
<td>Self-Diagnostic 1400 L. for T8, Bx, T5 or TSHO</td>
</tr>
<tr>
<td>EMG-ICE-T5-BX-1400</td>
<td>Ice Pack 1400 L. for T5, Bx, Bx, T5 or TSHO</td>
</tr>
</tbody>
</table>

**OTHER OPTIONS**

- 22PK: Flange Kit for 2' X 2' Fixture
- SBF: Internal Slow-Blow Fuse
- 6-3-wire Flex Cable Single Circuit: RIS: Radio Interference Suppressor
- 6-4-wire Flex Cable (Double Circuit): USA: Made in America Compliance
- FBF: Internal Fast Blow Fuse

Special options are available

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**FEATURES:**

- **FLUORESCENT RECESSED PARABOLIC**
- **WITH 1-1/2” DEEP LOUVERS**
- **PRODUCT FEATURES:**
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ALUMINUM PARABOLIC LOUVERS

VDT (MEDIUM CELL) 1-1/2" DEEP

CELL CONFIGURATION

24-OPVDT  2'X4' CONFIGURATIONS

22-OPVDT  2'X2' CONFIGURATIONS

14-OPVDT  1'X4' CONFIGURATIONS

PRODUCT FEATURES:

- Designed to fit shallower fixtures for reduced plenum depths
- VDT compatible
- IES RP1 standard requires 36° shielding
  - 105  2X4 cell
  - 49   2X2 cell
  - 45   1X4 cell
- Louver cell depth is 1 ½
- Door frame assembly

ALUMINUM FINISHES:

<table>
<thead>
<tr>
<th>Finish</th>
<th>Reflectivity %</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD (Diffuse Silver) Semi-Specular Silver/Low Irradescent</td>
<td>88%</td>
</tr>
<tr>
<td>SI (Specular Silver) Specular Silver/Low Irradescent</td>
<td>92%</td>
</tr>
</tbody>
</table>
Lighting Solution:
- Select luminaires that minimize intensity in the 55° or 65° to 90° zone.
- In “vdt normal” spaces with a mix of paper and non-critical vdt tasks, the IES recommends that the luminous intensity in the lengthwise, crosswise and 45° vertical planes should not exceed:
  - 300 candelas at 65° from vertical
  - 185 candelas at 75° from vertical
  - 60 candelas at 85° or more from vertical
- In “vdt intensive” spaces where the majority of the time is spent viewing the vdt, the IES recommends that the luminous intensity in the lengthwise, crosswise, and 45° vertical planes should not exceed:
  - 300 candelas at 55° from vertical
  - 220 candelas at 65° from vertical
  - 135 candelas at 75° from vertical
  - 45 candelas at 85° or more from vertical
- Select luminaires with shielding angles of at least 30° in all directions.
- Design to a maximum of 50** maintained footcandles on the horizontal work plane.
- Locate vdt terminals between rows of luminaires when possible.

Other Considerations:
- Windows should be treated with blinds or curtains to eliminate excessive brightness.
- Most vdt terminals may be tilted (up or down) or turned (side to side) to minimize reflected glare.
- White clothing worn by operator may cause some loss of contrast on screen.
- Negative contrast monitors (dark detail on a light background) frequently make reflected glare less noticeable.
- Monitor design (screen curvature or flat screen, screen reflectance properties, etc.) can make significant differences in visual performance.
- Use of screen filters supplied by manufacturers of visual display terminals helps to reduce screen glare.
- Partitions may be located as needed to reduce reflections from windows or luminaires. Source: iesna rp-1 (2004) recommended practice for lighting offices containing computer visual display terminals.
*These values are candlepower rather than luminance values as in previous recommendations.
**Illuminating engineering society of north America (IESNA) recommended level.

The blades of a parabolic louver provide a physical cut-off in the same way as in an “egg-crate” louver, however, a parabolic louver with a specular silver finish reflects all light from its curved blades at an angle equal to or less than the louver cut-off angle.
PLASTIC LOUVER OPTIONS SILVER SPECULAR

**PCL1** is the internationally recognized industry standard small cell injection molded plastic parabolic louver. The fixture style parts include an integral flange that may be used full size or trimmed to achieve lesser overall dimensions. The style 4X is molded to a generic size that fits many fixtures without trimming.

**PCL2** is the industry standard 1-1/2” x 1-1/2” x 1” (38 x 38 x 25,4mm) injection molded plastic parabolic louver. This internationally accepted product satisfies the demands of both efficiency and luminance control. Molded in a number of configurations PCL2 is adaptable to a wide range applications. Style 5 louvers have smaller body dimensions and are designed to accommodate smaller overall sizes and some difficult to fit fixtures.

**PCL3** with mid-sized 3/4” x 3/4” x 1/2” (19 x 19 x 12,2mm) cells provide 35 degree shielding and maintains energy saving efficiencies. PCL3 reflects our commitment to high efficiency louvers by offering not only an unsurpassed optically engineered wedge back design but also the molded louver configurations that will maximize energy budgeted applications. For the world market PCL3 is molded in a versatile unflanged metric panel

**PCL4** combines superior beauty, light control and the highest light transmission in a plastic louver. This larger cell louver offers the highest efficiency and coefficient of utilization of any member of the PCL4 family. The PCL4 is ideal in high ceiling applications, offices with greater spacing between light fixtures, corridors, public and general offices, and retail merchandising applications where “light for selling” is critical.

Outstanding for use where broader light distribution is desired
Light Luminaire Efficiency to 67.8%
Coefficient of Utilization to .74
Visual Comfort Probability to 88
**LENS AND DIFFUSER OPTIONS**

**A-12/ FEMALE CONICAL PRISMATIC LENS**

This quality extruded acrylic lens provides very good low brightness control with excellent light output. The lens utilizes a diagonally oriented prism pattern with square inversed prisms that are optically designed to provide excellent light control. The A12 pattern has become a standard in the industry offering economy with quality.

Thickness .100 (Part# A12) .125 (Part# A125)

**ASW-SMOOTH WHITE- STIPPLE FINISH**

Smooth White Flat Sheet provides improved glare control and reduced lamp image. These extruded smooth and crepe diffusing panels are available in acrylic providing evenly illuminated lighting enclosures while reducing shadows and reflected glare.

Thickness .080 (Part# ASW)

**A-15-FEMALE CONICAL PRISMATIC LENS**

The 15 is an extruded acrylic lens with a large 3/8 square pattern design that renders a bold, well ordered look that hides the lamps from direct view. The recessed female conical pattern provides maximum strength to weight ratios for oversized areas up to 48” square. The lens is an ideal prismatic lens where the bolder prism pattern is desired.

Thickness .200 (Part# A15)

**A-19- MALE CONICAL PRISMATIC LENS**

This is the finest in extruded acrylic lenses offering superior lamp obscuration and excellence source brightness control. The small square base male prisms are organized in a parallel pattern providing a discrete and tailored appearance. The 19 lens offers the crisp appearance and the optical preciseness often associated with injection molded lenses with the economies of the extruded lens.

Thickness .156 (Part# A19)