6" Horizontal Triple Open & Wall Wash Downlight

CFT632HEB
One 26W, 32W, or 42W Triple Tube 4-Pin Lamp
Non-IC Rated
120V, 208V, 240V, 277V, or 347V

APPLICATIONS:
The CFT632HEB offers a horizontally lampled compact fluorescent downlight and wall wash fixture that provides superior brightness and glare control. The multi-watt multi-volt ballast provides the ability to change wattages by simply replacing the lamp. This luminaire is ideal for a wide variety of low to medium height ceiling applications including commercial, retail, and hospitality. The CFT632HEB is compatible with the Signos6 family of architectural elements.

HOUSING:
One-piece 18-gauge galvanneal steel platform. Prewired 5 box with snap-on cover for easy access. Vented at lamp tip and socket for maximum light output. Same housing accommodates downlight and wall wash downlight reflectors.

REFLECTOR:

BALLAST:

LAMP:
One [1] 26W (GX24q-3 base), 32W (GX24q-3 base), or 42W (GX24q-4 base) 4-pin triple tube compact fluorescent lamp. Lamps furnished by others or as option below.

SOCKET:

INSTALLATION:
Universal adjustable mounting brackets accommodate 1/8" or 1/4" lathing channel or 1/8" EMT (by others), or Prescolite 24" bar hangers (B24 or B6).

LABELS:
UL listed or UL/CSA listed with CDN option for damp locations. Approved for through wiring.

Non-type I.C.

LAMP INCLUDED OPTION:
Specify lamp type T (Triple 4-pin) and temperature as shown below.

CATALOG NUMBER:
CFT632HEB
CFT632HEB55

HOUSING OPTIONS

EXAMPLE: CFT632HEBDMEM STF602HCG LP32T30K B24

LAMP ACCESSORIES

Prescolite
A Division of Hubbell Lighting, Inc.

In a continuing effort to offer the best product possible we reserve the right to change, without notice, specifications or materials that in our opinion will not alter the function of the product.

Web: www.prescolite.com • Tech Support: (888) 777-4832

ARCH-CFL-001
**PHOTOMETRIC DATA**

**Architektür - 6" Horizontal Triple Open & Wall Wash Downlights - CFT632HEB**

### BALLAST DATA

<table>
<thead>
<tr>
<th></th>
<th>26W Triple</th>
<th>32W Triple</th>
<th>42W Triple</th>
</tr>
</thead>
<tbody>
<tr>
<td>120V</td>
<td>28W</td>
<td>35W</td>
<td>42W</td>
</tr>
<tr>
<td>277V</td>
<td>28W</td>
<td>35W</td>
<td>44W</td>
</tr>
<tr>
<td>347V</td>
<td>38W</td>
<td>42W</td>
<td>47W</td>
</tr>
</tbody>
</table>

**Input Current (Amps)** 0.23 0.29 0.12 0.36 0.17 0.14

**Input Frequency in Hz** 50/60 50/60 50/60 50/60 50/60 50/60

**Power Factor** >97%

**Ballast Factor** >98%

**Total Harmonic Distortion** <10%

**Minimum Starting Temp.** -18°C (0°F)

### LAMP DATA (One per fixture)

- **Rated Watts**: 26W Triple 32W Triple 42W Triple
- **Rates Lumens**: 1800 2400 3200
- **Efficiency**: 69 75 76
- **Rated Life**: 10,000 hours 10,000 hours 10,000 hours
- **CRI**: 82 82 82
- **Min. Starting Temp.**: 0°F 0°F 0°F

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**CFT632HEB-STF602H with Specular Clear Alzak Reflector**

- **Lamp**: One 32W Triple
- **Spacing Criteria**: 0° = 1.5  
  90° = 1.6
- **Efficiency**: 45.1%

### LUMINANCE DATA IN CANDELA/SQ. METER

<table>
<thead>
<tr>
<th>Angle (deg)</th>
<th>Vertical Average</th>
<th>Average</th>
<th>Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>45°</td>
<td>21019</td>
<td>21096</td>
<td>14312</td>
</tr>
<tr>
<td>55°</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>65°</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>75°</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>85°</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

### COEFFICIENTS OF UTILIZATION

**Zonal Cavity Method**

- **% Effective Ceiling Cavity Reflectance**
  - 80% 70% 50% 30%
  - 70 50 30 10 50 10 50 10

**Room Cavity Ratio**

- **% Effective Floor Cavity Reflectance**
  - 80% 70% 50% 30%
  - 70 50 30 10 50 10 50 10

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**NOTES**

- Use of horizontally-lamped open downlights with amalgam-based CFL lamps in air-handling plenums is not recommended because cool air flow over the lamps will result in reduced light output. Prescolite recommends vertical lamp downlights or use of the regressed lensed trim option for horizontal downlights in these applications to reduce this effect. Refer to Prescolite White Paper WP0003 at www.prescolite.com for more information.

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**Web**: www.prescolite.com • **Tech Support**: (888) 777-4832

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### PHOTOMETRIC DATA

#### Architektür - 6" Horizontal Triple Open & Wall Wash Downlights - CFT632HEB

**CFT632HEB55-STF602H55 @vss**

**with Specular Clear Alzak Reflector**

<table>
<thead>
<tr>
<th>Lamp: One 32W Triple</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spacing Criteria:</td>
</tr>
<tr>
<td>$0^\circ = 1.5$</td>
</tr>
<tr>
<td>$90^\circ = 1.6$</td>
</tr>
<tr>
<td>Efficiency: 59.2%</td>
</tr>
</tbody>
</table>

#### LUMINANCE DATA IN CANDELA/SQ. METER @vss

<table>
<thead>
<tr>
<th>Angle</th>
<th>Vertical 0°</th>
<th>Average 90°</th>
<th>Average 180°</th>
</tr>
</thead>
<tbody>
<tr>
<td>45°</td>
<td>34345</td>
<td>36201</td>
<td>35695</td>
</tr>
<tr>
<td>55°</td>
<td>24655</td>
<td>25175</td>
<td>21742</td>
</tr>
<tr>
<td>65°</td>
<td>1694</td>
<td>1412</td>
<td>1412</td>
</tr>
<tr>
<td>75°</td>
<td>692</td>
<td>461</td>
<td>461</td>
</tr>
<tr>
<td>85°</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

Test No. 2682

#### COEFFICIENTS OF UTILIZATION

**Zonal Cavity Method**

<table>
<thead>
<tr>
<th>% Effective Ceiling Cavity Reflectance</th>
<th>% Wall Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>80%</td>
<td>20%</td>
</tr>
<tr>
<td>70%, 50%, 30%, 10%</td>
<td>70, 50, 30, 10, 10, 10%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Room Cavity Ratio</th>
<th>CFT632HEB55-STF602H55 @vss</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test No. 2682</td>
<td>Test No. 2682</td>
</tr>
</tbody>
</table>

#### AVERAGE INITIAL FOOTCANDLES ON WORKPLANE

Assumptions:
1. Ceiling 80% Wall 50% Floor 20%
2. 4 Luminaires evenly spaced in the center of the room.
3. The room is square and has a width and length equal to twice the luminaire spacing (LS).
4. RCR is Room Cavity Ratio.
5. Dirt and Lumen Depreciation Factors are 1.0.
6. Ballast Factor is 1.0 for ballasted fixtures.
7. h<sub>c</sub> is height between fixtures and workplane.

<table>
<thead>
<tr>
<th>LS (FEET)</th>
<th>h&lt;sub&gt;c&lt;/sub&gt; (FEET)</th>
<th>Standard Reflector Average Initial @vss</th>
<th>55 Degree Option Average Initial @vss</th>
</tr>
</thead>
<tbody>
<tr>
<td>7.0</td>
<td>10</td>
<td>16</td>
<td>17</td>
</tr>
<tr>
<td>8.0</td>
<td>11</td>
<td>12</td>
<td>13</td>
</tr>
<tr>
<td>9.0</td>
<td>13</td>
<td>9</td>
<td>10</td>
</tr>
<tr>
<td>10.0</td>
<td>14</td>
<td>8</td>
<td>8</td>
</tr>
</tbody>
</table>

Test No. PL5221/2682

#### NOTES

@vss Denotes a Virtual Source reflector.

Refer to www.prescolite.com for additional photometric tests (IES Files). When ordering a sloped ceiling adapter, specify the degree of slope in 5° increments, max. of 35°. For a more precise degree or wet ceiling applications, please contact factory. Sloped ceiling adapter and housing must be installed at the same time.

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