ADDENDUM 1 for 753-16-WHT004

Invitation for Bid:
LED LIGHT FIXTURES & LAMPS

The following are responses to questions or clarifications/corrections for the above referenced Invitation for Bid.

1. On line items #1 and #2, is the shoe box fixture specific to a new fixture or a retrofit kit? Also, what is the light distribution 1-5?

   ANSWER: New fixture, type 4

2. On line item #3, are you wanting a 2x4 troffer to hold 3 LED tubes (not included) as opposed to an LED troffer?

   ANSWER: The University wants a Fixture “LED ready”, meaning a fixture prewired for LED lamps (no ballast) lamps not included, no LED troffer.

3. Is there a process for bidding a lamp or fixture that meets the description and specifications but is not the brand listed?

   ANSWER: Brand name, model, or manufacturer’s reference in this IFB and any and all Addendum is descriptive (not restrictive) and is used to indicate type and quantity desired, see Section 2.1 of the University’s Terms and Conditions. Per the instruction contained in the IFB: Vendor shall submit, at the time of their bid, complete pictures and specification sheets for all fixtures and lamps.

4. Are emailed bids acceptable?

   ANSWER: Sam Houston State does not accept electronic bids at this time.

5. Are cut or specification sheets available for the items?

   ANSWER: Attached are cut or specifications sheets. Brand name, model, or manufacturer’s reference in this IFB and any and all Addendum is descriptive (not restrictive) and is used to indicate type and quantity desired, see Section 2.1 of the University’s Terms and Conditions.
LED SHOE BOX LIGHT

LED Lighting System - 50,000 Hours + LM70
Commercial/Architectural Grade

Technology at Work for you

- Architectural UV resistant powder coat finish
- UL & CUL DLC Listed
- System Watts: 150W/200W/320W/300W
- Voltages: 100-277Vac/ 200-480Vac
- CRI: 70+
- IP Rating: IP65
- Operating Temp: -30 °C to +50 °C
- Operating Humidity: 20% to 90% RH
- Power Factor (PF): 0.986
- Power Supply Efficiency: > 90%
- Color Temperature: 5700K
- LM70 > 51,000 H (IES TM-21-11)

Features:

The 453X2 series evenly illuminates walkways, streets and parking areas. The classic design of this luminaire is seamlessly efficient and long-lasting. This shoe box is an ideal replacement for HID/MH based luminaires. Exceptional high-brightness LED's result in higher light levels and significant energy savings. High efficacy 5700K, 70+ CRI LED's mounted to a metal-core circuit board and aluminum heat sink ensure optimal thermal management and long life.

<table>
<thead>
<tr>
<th>Product code</th>
<th>Watts</th>
<th>Lumens</th>
<th>Operation Vol</th>
<th>Color Temperature</th>
<th>Starting Temperature</th>
<th>Replace HID</th>
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<tbody>
<tr>
<td>453C2-150WA</td>
<td>150W</td>
<td>14923Lm</td>
<td>100-277Vac</td>
<td>5700K</td>
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<td>400-500W</td>
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<td>17154Lm</td>
<td>100-277Vac</td>
<td>5700K</td>
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<td>400-600W</td>
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<td>453C2-320WA</td>
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<td>22610Lm</td>
<td>100-277Vac</td>
<td>5700K</td>
<td>-30 °C</td>
<td>900-1000W</td>
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<td>453C7-300WA</td>
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<td>23530Lm</td>
<td>200-480Vac</td>
<td>5700K</td>
<td>-30 °C</td>
<td>900-1000W</td>
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</table>
### PART NO.: LD-T8-TR4-1

**Product Description** - LED Ready T8 2ft Troffer Fixture
- 2ft. Troffer provides soft, glare-free, balanced illumination for a contemporary appearance & comfortable light environment
- Die formed 24 gauge cold-rolled steel body - uses 3 - 2ft. LED tubes
- All Steel surfaces painted with high gloss baked white (matte powder coating)
- Fully recessed luminaire fits standard T-grid ceilings
- Swing down micro perforated lamp shield for easy relamping and maintenance
- Reflector has 91% reflectance with white acrylic matte finish

**Application**
- Mainly used for indoor lighting in offices, hospitals, schools, hallways, etc.

### PART NO.: LD-T8-TR1/LD-T8-TR1-2

**Product Description** - LED Ready T8 4ft & 2 ft. Prismatic Fixture
- Troffer with low-glare extruded prismatic acrylic diffuser cover
- Die formed of 24 gauge cold-rolled steel, rigidly fabricated
- All Steel surfaces painted with high gloss baked white (matte powder coating)
- Available for 2ft. or 4ft. LED tubes (2X2, 2X4)
- Easy access cover with latching system

**Application**
- Mainly used for indoor lighting in offices, hospitals, schools, hallways, etc.

### PART NO.: LD-T8-TR4

**Product Description** - LED Ready T8 4ft Troffer Fixture
- 4 ft. Troffer provides soft, glare-free, balanced illumination for a contemporary appearance & comfortable light environment
- Die formed 24 gauge cold-rolled steel body - uses 3 - 4ft. LED tubes
- All Steel surfaces painted with high gloss baked white (matte powder coating)
- Fully recessed luminaire fits standard T-grid ceilings
- Swing down micro perforated lamp shield for easy relamping and maintenance
- Reflector has 91% reflectance with white acrylic matte finish

**Application**
- Mainly used for indoor lighting in offices, hospitals, schools, hallways, etc.
Product Description: T8 4ft. LED Tubes
T8 Tube, 4ft, 18W equivalent to 32W fluorescent tube, G13 Base
22W equivalent to 40W fluorescent tube, G13 Base/28W equivalent to 32W fluorescent tube
Aluminum alloy heat sink, Diffused PC material-Recyclable materials (plastic & aluminum)
Color temperature ranges: X=W,D,C (W=3000K, D=4000K, C=5000K)
UL Listed, DLC Certified, LM79, LM80
Available dimmable version
SMD3528 LumenMax Chip with 280 chips (18W) & 336 chips (22W)

Application
Used in offices, canopies, parking lots, as high or low bay lights for manufacturing, warehousing, and supermarket or hangar lights

<table>
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<th>Part Number: 304X2-18W-DLC</th>
<th>Product Code: BL-T8-18W1200 WINS</th>
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<td>18W</td>
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<td>----------------</td>
<td>--------------------</td>
</tr>
<tr>
<td>22W</td>
<td>6000K</td>
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18W Lux Chart

22W Lux Chart
Product Description - LED Canopy Lights

2' X4' X 1/2" LED panel light
Available 50 and 75W versions, dimmable (1-10V dimming switch) or non-dimmable
80% in energy savings as compared to traditional light fixture with fluorescent tubes
Recyclable, no mercury, UV or IR emissions
Color temperature ranges: X=S,W,D,C (S=2700K,W=3000K, D=4500K, C=4700K)
Recessed ceiling mountable with aircraft type mounting cables included
DLC, UL listed, LM79, LM80
SMD 5630 LED, Mean Well Power Supply

Application
Used in offices, restaurants, hotels, hospitals, hallways, lobbies, meeting rooms, etc.

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<th>CRI</th>
<th>Luminaire Efficiency</th>
<th>Input Voltage</th>
<th>Power Factor</th>
<th>Lamp Luminous Flux</th>
<th>THD</th>
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<td>85-95 Lm/W</td>
<td>100~277V,50/60Hz</td>
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<td>7,150Lm</td>
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<th>Power Factor</th>
<th>Lamp Luminous Flux</th>
<th>THD</th>
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<tbody>
<tr>
<td>50W</td>
<td>6500K</td>
<td>≥80</td>
<td>80-94 Lm/W</td>
<td>100~277V,50/60Hz</td>
<td>0.92</td>
<td>4,700Lm</td>
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