

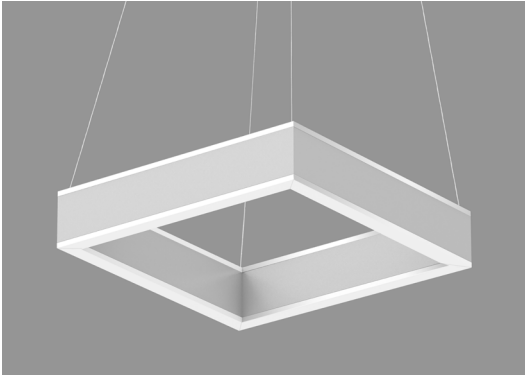
# FORTEX 4 LED

PENDANT



**LUMENWERX**  
WWW.LUMENWERX.COM

## DIRECT/INDIRECT



**PROJECT:** \_\_\_\_\_

**TYPE:** \_\_\_\_\_

**NOTES:** \_\_\_\_\_

## DESCRIPTION

**Fortex 4** is a series of distinctive and elegantly scaled rectangular pendants ideal for spaces such as conference rooms, executive offices, break rooms, cafeterias, vestibules and lobbies. Fortex 4 pendants consist of crisp 4.25" x 1.5" extruded aluminum sides, capped top and bottom by a gently glowing optic that extends 0.5" beyond the housing. Corners are mitered and fully luminous. Fortex coordinates with Via 1.5 Plus linear luminaires.

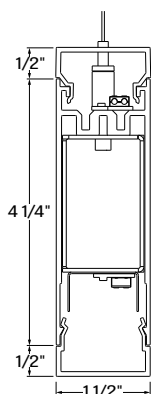
## ORDER GUIDE

FOR4PDI		HLO	LED				
LUMINAIRE ID	SIZE	OPTICS	LIGHT SOURCE	CRI	LUMEN PACKAGES	COLOR TEMP.	VOLTAGE
<b>FOR4PDI</b> - fortex 4 pendant direct/indirect	<b>22</b> - 2'x2' <b>33</b> - 3'x3' <b>44</b> - 4'x4' <b>14</b> - 1'x4' <b>24</b> - 2'x4'	<b>HLO</b> - High-Efficiency Lambertian Optic	<b>LED</b> - high performance LED	<b>80</b> - 80CRI <b>90</b> - 90CRI	<b>200</b> - ultra low output 200lm/ft <b>400</b> - low. output 400lm/ft <b>500</b> - med. output 500lm/ft <b>750</b> - high. output 750lm/ft	<b>30</b> - 3000k <b>35</b> - 3500k <b>40</b> - 4000k	<b>120</b> - 120V <b>277</b> - 277V <b>UNV</b> - 120V-277V

DRIVER	ELECTRICAL	MOUNTING	FINISH	OPTIONS
<b>D</b> - dimming 0-10V <b>DA</b> - Dali <b>LA2</b> - Lutron Hi-Lume A - 2 wires 120V <b>LA3</b> - Lutron Hi-Lume A - 3 wires /EcoS <b>LEH</b> - Lutron EcoSystem H <b>LE5</b> - Lutron EcoSystem 5 <b>OTH</b> - other (consult factory)	<b>1</b> - 1 circuit <b>EM</b> - emergency light circuit <b>NL</b> - night light circuit	<b>5AC25</b> - 5" canopy - 25" cable min for 22 <b>5AC40</b> - 5" canopy - 40" cable min for 33 & 14 <b>5AC45</b> - 5" canopy - 45" cable min for 24 <b>5AC55</b> - 5" canopy - 55" cable min for 44	<b>W</b> - matte white <b>AL</b> - aluminum <b>CF</b> - custom finish specify RAL#	<b>TB#</b> - T-bar caddy clip specify grid size <b>TG#</b> - Tegular caddy clip specify grid size <b>ST</b> - Screw Slots caddy clip <b>CU</b> - custom

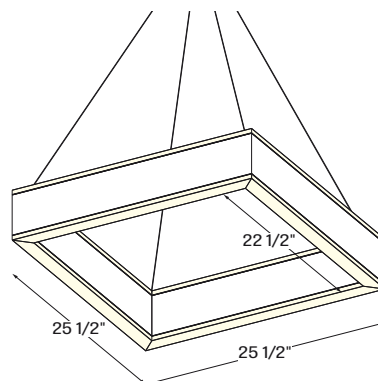
See page 2 for ordering code detailed information

## SECTION VIEW



**FOR4PDI**

## 3D VIEW



**FOR4PDI - 2'x2'**

## OPTICS



**HLO** - High-efficiency Lambertian Optic

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### OPTICS

**HIGH EFFICIENCY LAMBERTIAN OPTIC (HLO)** - Matte white side reflectors combined with High-Efficiency Lambertian Optic (HLO) shielding of diffusing 0.075" thick acrylic with up to 88% transmission and good source obscuration. Luminaire brightness is controlled by the flux-to-shielding area ratio.

### LIGHT SOURCE - LED

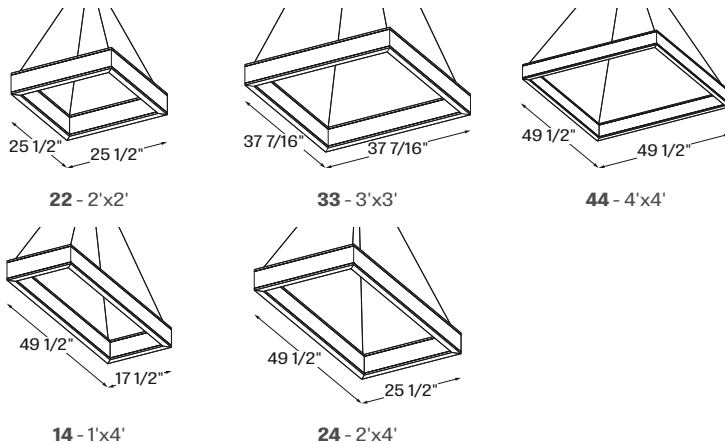
Custom linear array of mid-flux LED's are cartridge-mounted with quick-connect wiring to facilitate service and thermal management. Available in 3000K, 3500K and 4000K with a minimum 80 CRI and an option for 90 CRI with elevated R9 value. Color consistency maintained to within 3 SDCM. LEDs operated at reduced drive current to optimize efficacy and lumen maintenance. All LEDs have been tested in accordance with IESNA LM-80-08 and the results (following TM-21) have shown L80 lumen maintenance greater than 60,000 hours. Absolute luminaire photometry is measured and presented in accordance with IESNA LM-79, unless otherwise indicated.

### PERFORMANCE PER 1' AT 4000K

LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
ultra low output	4000K	2.5	200	88
low output	4000K	4	400	97
medium output	4000K	5.5	500	94
high output	4000K	8	750	95

### LUMINAIRE LENGTH

Fortex 4 is offered in 5 standard sizes.



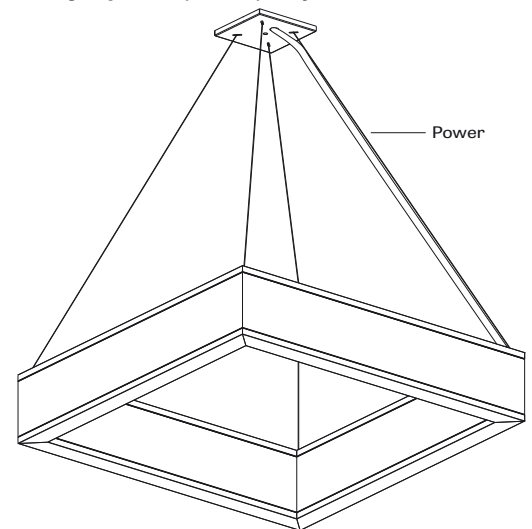
### ELECTRICAL

Factory-set adjustable current electronic driver with 120-277V AC line input. Integral in the luminaire. Dimmable from at least 100%-5% with 0-10V control. Rated life (90% survivorship) of 50,000 hours at 50°C max. ambient (and 70°C max. case) temperature. At maximum driver load: Efficiency > 84%, PF > 0.9, THD < 20%. Other specifiable options include Lutron Hi-Lume A (specify 2, 3 or 4 wires), EcoSystem H (100%-1%, fade-to-black) and EcoSystem 5 (100%-5%) dimmable drivers and DALI protocol drivers.

### MOUNTING OPTIONS

Fortex 4 mounts from a 5" square canopy using four aircraft cables. The minimum recommended length varies as per ordered sizes. Canopy installation determines luminaire alignment.

- 22 : 5AC25 - 25" minimum cable length recommended
  - 33 & 14 : 5AC40 - 40" minimum cable length recommended
  - 24 : 5AC45 - 45" minimum cable length recommended
  - 44 : 5AC55 - 55" minimum length recommended
- Caddy clips**, if required specify under **OPTIONS**.



### FINISH

**Interior** - 95%, reflective matte powder coated white paint  
**Exterior** - matte white or silver powder coating. Custom finishes are also available.

### CONSTRUCTION

**Housing** - Extruded Aluminum (0.095" nominal) up to 90% Recycled Content  
**Interior brackets** - Die formed cold rolled sheet steel 18 gauge thick  
**Reflectors** - Cold rolled steel 0.024" thick precisely die formed, 95% reflective matte white painted  
**Hanger** - Chromed Griplock securely attached with spring steel hardware in end caps and/or joiners  
**Air craft cable suspension** - 7x7 braids Aluminum air craft cable 0.06" thick

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### WEIGHT

**Fortex 4 - 22** - 16.47lbs - 7.47kg

**Fortex 4 - 33** - 22.76lbs - 10.32kg

**Fortex 4 - 44** - 28.79lbs - 13.06kg

**Fortex 4 - 14** - 20.68lbs - 9.38kg

**Fortex 4 - 24** - 10.34lbs - 9.75kg

### WARRANTY

LumenWerx provides a five-year limited warranty of electrical and mechanical performance of the luminaires, including the LED boards, drivers, and auxiliary electronics. LumenWerx will repair or replace defective luminaires or components at our discretion, provided they have been installed and operated in accordance with our specifications. Other limitations apply, please refer to the full warranty on our website.

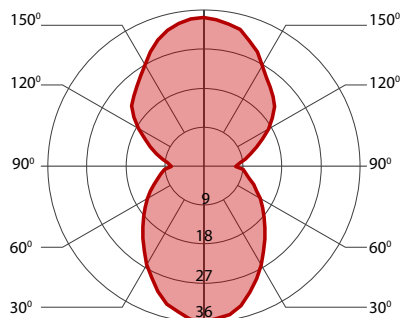
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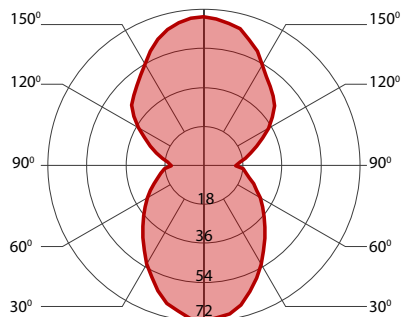
## 200 LUMEN AT 80CRI - ULTRA LOW OUTPUT



### PERFORMANCE PER 4'

LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
ultra low output	3000K	2.5	200	83
ultra low output	3500K	2.5	200	85
ultra low output	4000K	2.5	200	88

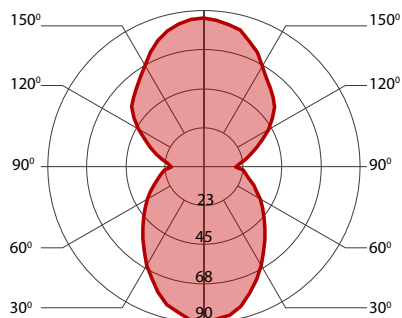
## 400 LUMEN AT 80CRI - LOW OUTPUT



### PERFORMANCE PER 4'

LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
low output	3000K	4.5	400	91
low output	3500K	4.5	400	94
low output	4000K	4	400	97

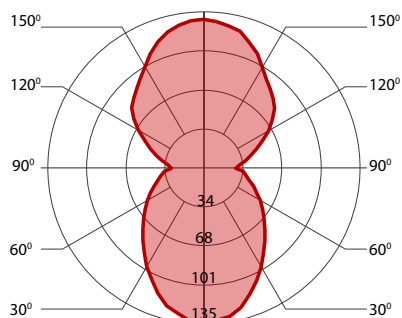
## 500 LUMEN AT 80CRI - MEDIUM OUTPUT



### PERFORMANCE PER 4'

LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
medium output	3000K	5.5	500	88
medium output	3500K	5.5	500	91
medium output	4000K	5.5	500	94

## 750 LUMEN AT 80CRI - HIGH OUTPUT



### PERFORMANCE PER 4'

LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
high output	3000K	8.5	750	89
high output	3500K	8	750	92
high output	4000K	8	750	95