FORTEX 4 LED

PENDANT

LUMENWERX
W W W . L U M E N W E R X . C O M

DIRECT

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 3.75" x 1.5" extruded aluminum sides, capped 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

FOR4PD		HLO	LED				
LUMINAIRE ID	**SIZE**	**OPTICS**	**LIGHT SOURCE**	**CRI**	**LUMEN PACKAGES**	**COLOR TEMP.**	**VOLTAGE**
FOR4PD - fortex 4 pendant direct	**22** - 2'x2' **33** - 3'x3' **44** - 4'x4' **14** - 1'x4' **24** - 2'x4'	**HLO** - High-Efficiency Lambertian Optic	**LED** - high performance LED	**80** - 80CRI **90** - 90CRI	**200** - min. ultra low output 200lm/ft **400** - low output 400lm/ft **500** - medium output 500lm/ft **750** - max. high output 750lm/ft **####** - other required lm/ft	**27** - 2700k **30** - 3000k **35** - 3500k **40** - 4000k	**120** - 120V **277** - 277V **UNV** - 120V-277V

|	1	5SWAC36			
DRIVER	**ELECTRICAL**	**MOUNTING**		**FINISH**	**OPTIONS**
D1 - 1% dimming 0-10V **DA** - Dali **LTEA2W** - Lutron 1% - 2 wire FF 120V **LDE1** - Lutron Hi-lume 1% Eco **LDE5** - Lutron 5% EcoSystem	**1** - 1 circuit	**5SWAC36** - 5" square white canopy (36" air craft cable) For all other options refer to our Pendant Mounting Guide		**W** - matte white **AL** - aluminum **CF#** - custom finish specify RAL#	**CU** - custom

See page 2 for ordering code detailed information

SECTION VIEW

3 3/4"
1/2"
1 1/2"

FOR4PD

3D VIEW

22 1/2"
25 1/2"
25 1/2"
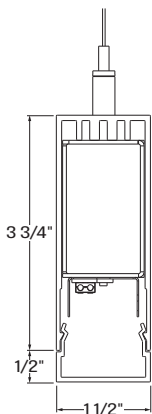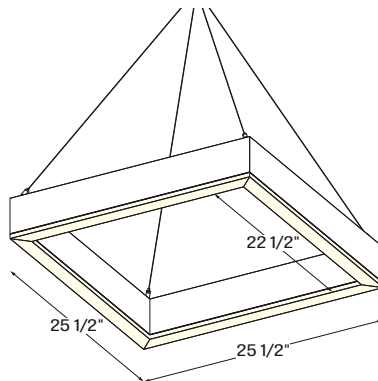
FOR4PD - 2'x2'

OPTICS

HLO - High-efficiency Lambertian Optic

cETLus LISTED
Intertek

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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.
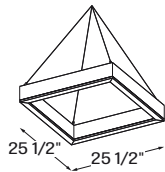
LIGHT SOURCE - LED

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.
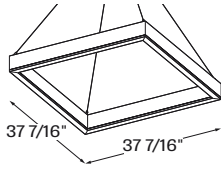
PERFORMANCE PER 1' AT 4000K

LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
ultra low output	4000K	2	200	89
low output	4000K	4.5	400	90
medium output	4000K	5.5	500	88
high ouput	4000K	9	750	85

LUMINAIRE LENGTH

Fortex 4 is offered in 5 standard sizes.

25 1/2" × 25 1/2"
22 - 2'x2'

37 7/16" × 37 7/16"
33 - 3'x3'

49 1/2" × 49 1/2"
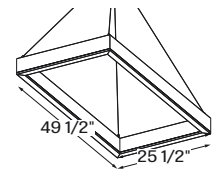**44** - 4'x4'

49 1/2" × 17 1/2"
14 - 1'x4'
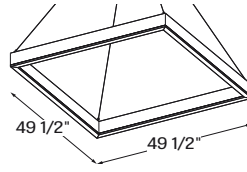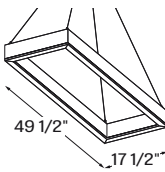
49 1/2" × 25 1/2"
24 - 2'x4'

ELECTRICAL

Factory-set, adjustable output current LED driver with universal (120-277VAC) input. Dimmable from 100% to 1% with 0-10V dimming 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 1% (specify 2-wire, or Ecosystem Dim-to-Off), Lutron 5-Series (5% Ecosystem), DMX (RDM compatible) and DALI protocol drivers. All of our standard 0-10V drivers are NEMA 410 compliant.

MOUNTING OPTIONS

Fortex 4 mounts from a 5" square canopy using four 36" long aircraft cables. Canopy installation determines luminaire alignment.

For cable-mounted fixtures - 5SWAC36 (5" square white canopy and a 36" cable)

For all other options, see our website for a detailed Pendant Mounting Guide

Power
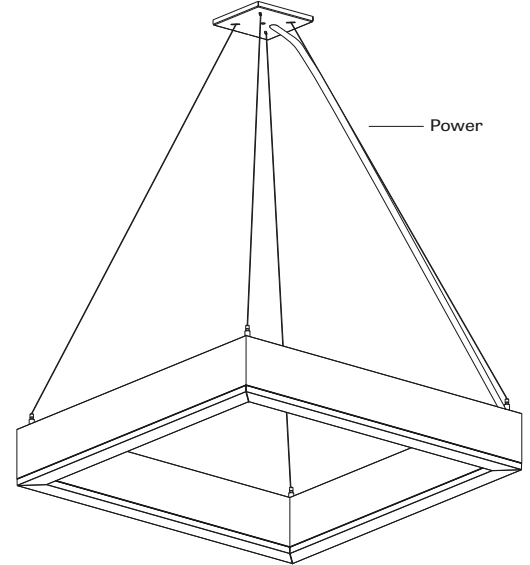
FINISH

Interior - 95%, reflective matte powder coated white paint

Exterior - matte white or aluminum 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

WEIGHT

Fortex 4 - 22 - 14.24lbs - 6.46kg
Fortex 4 - 33 - 19.61lbs - 8.89kg
Fortex 4 - 44 - 25.05lbs - 11.36kg
Fortex 4 - 14 - 17.84lbs - 8.09kg
Fortex 4 - 24 - 18.8lbs - 8.53kg

File Name: FORTEX4-PENDANT-DIRECT-SPEC | Page: 2 / 4 | July 25, 2019

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ETL LISTED
Intertek

CERTIFICATIONS

ETL - Rated for Indoor Dry/Damp locations. Conforms to UL Standard 1598 and certified to CAN/CSA Standard C22.2 No. 250.0.

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.
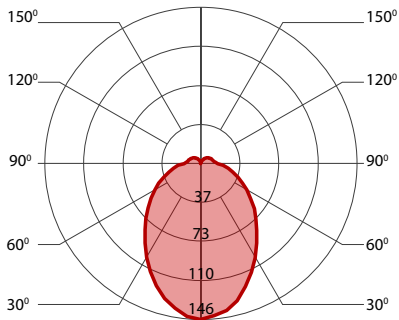
FORTEX 4 LED

PENDANT

DIRECT

200 LUMEN AT 80CRI - ULTRA LOW OUTPUT
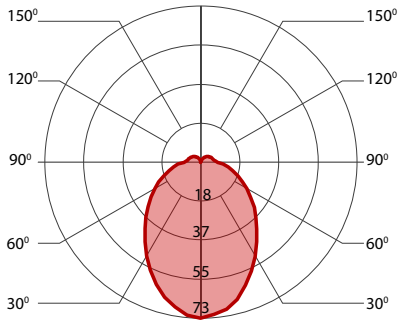
PERFORMANCE PER 1'

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	86
ultra low output	4000K	2	200	89

400 LUMEN AT 80CRI - LOW OUTPUT

PERFORMANCE PER 1'

LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
low output	3000K	5	400	84
low output	3500K	4.5	400	87
low output	4000K	4.5	400	90

500 LUMEN AT 80CRI - MEDIUM OUTPUT
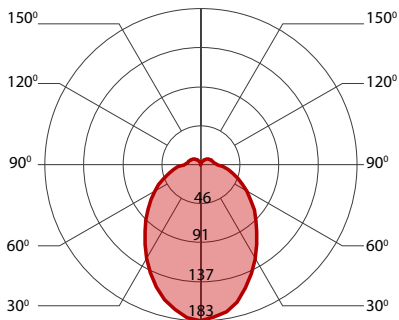
PERFORMANCE PER 1'

LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
medium output	3000K	6	500	82
medium output	3500K	6	500	85
medium output	4000K	5.5	500	88

750 LUMEN AT 80CRI - HIGH OUTPUT
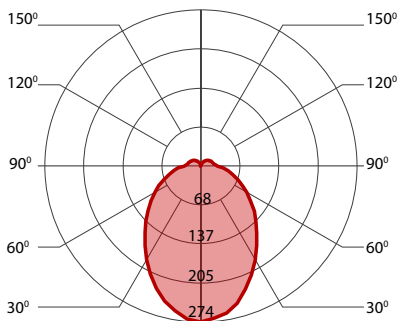
PERFORMANCE PER 1'

LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
high ouput	3000K	9.5	750	80
high ouput	3500K	9	750	82
high ouput	4000K	9	750	85