







PROJECT NO. 318025

county Jail Consolidation Tower Addition & Public S Renovation Dane County, South Tower, Building Reno

10/31/2022 LAND USE APPLICATION

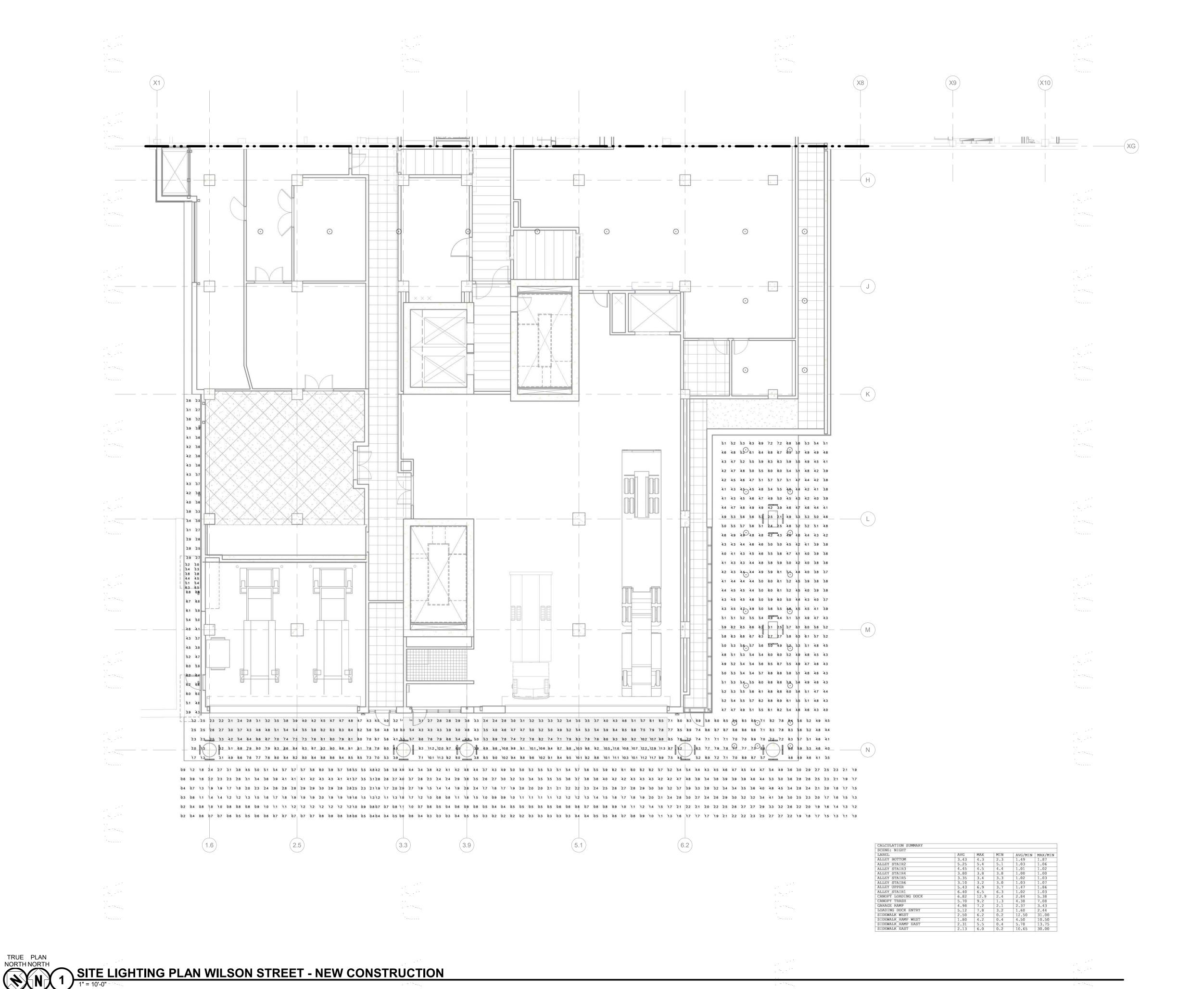
NOT FOR CONSTRUCTION

M&H NO.: 4215400-161957.01 DATE: 04/07/2022 DESIGNED BY: KMR DRAWN BY: KMR CHECKED BY: ARG

SHEET CONTENTS SITE LIGHTING SUBMITTAL

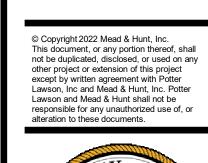
SHEET NO.:

ES-1











MADISON, WI 53713 PROJECT NO. 318025

ISSUED

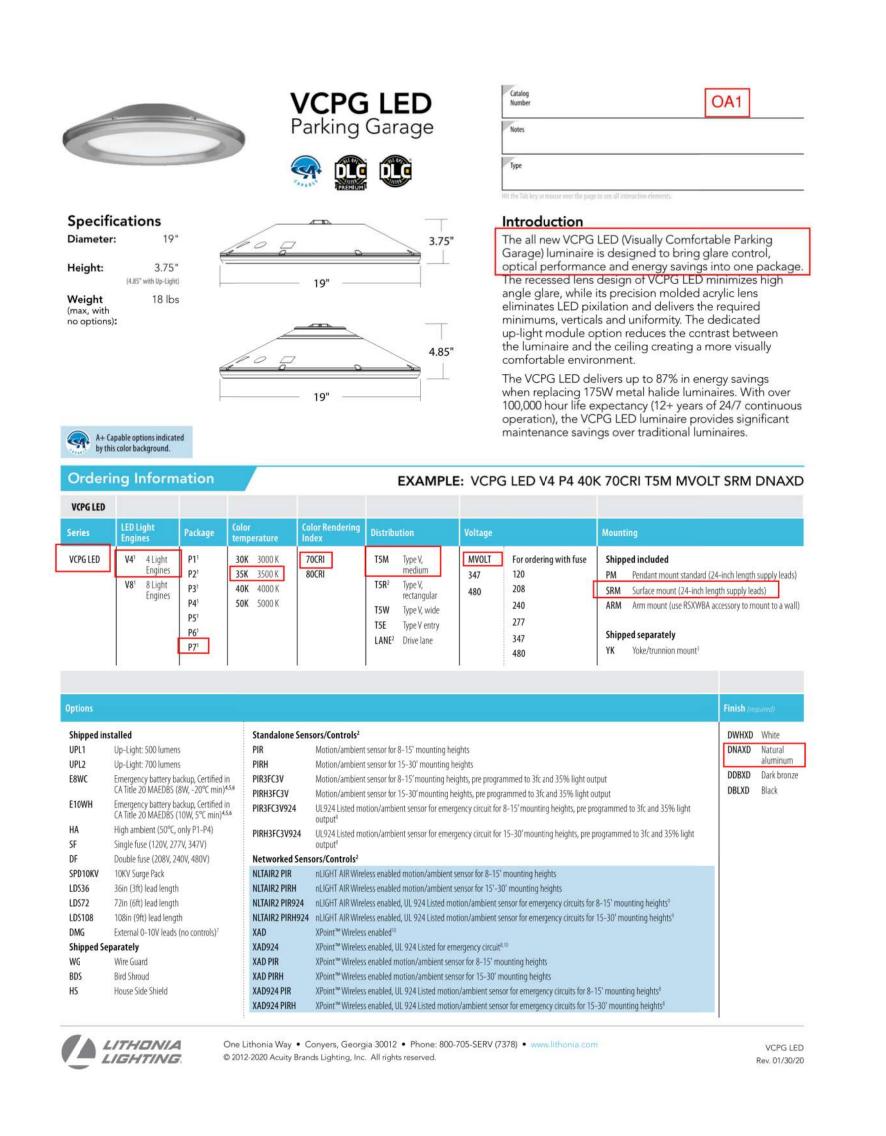
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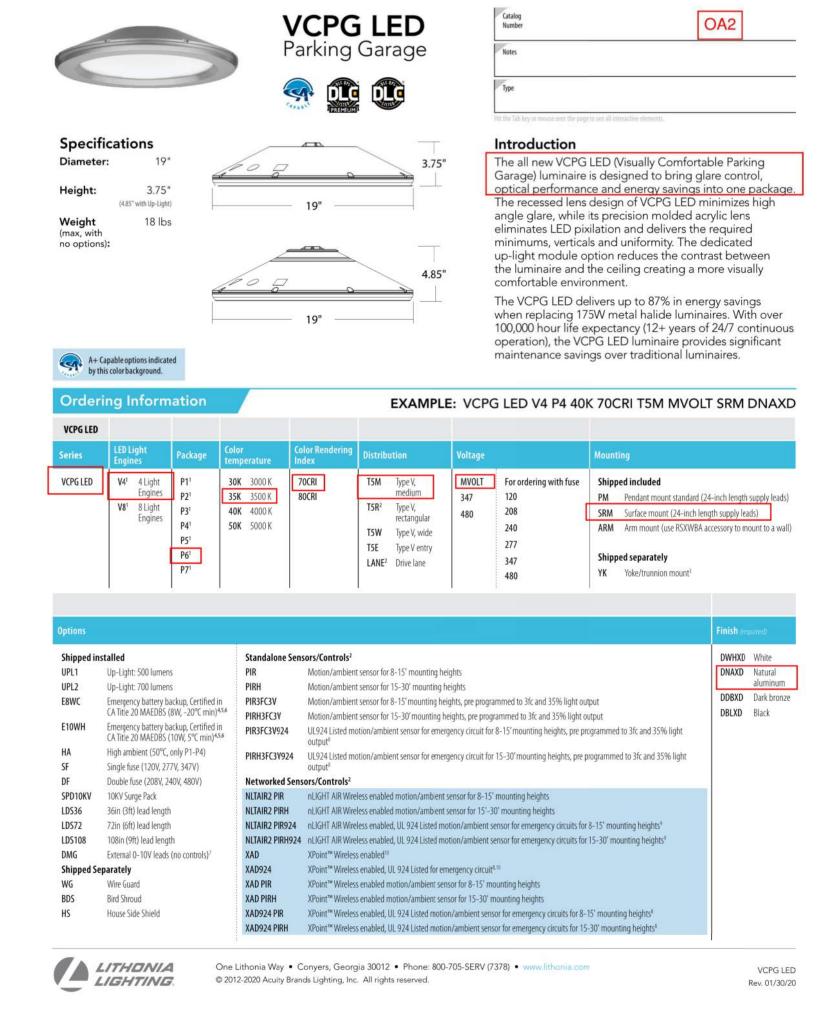
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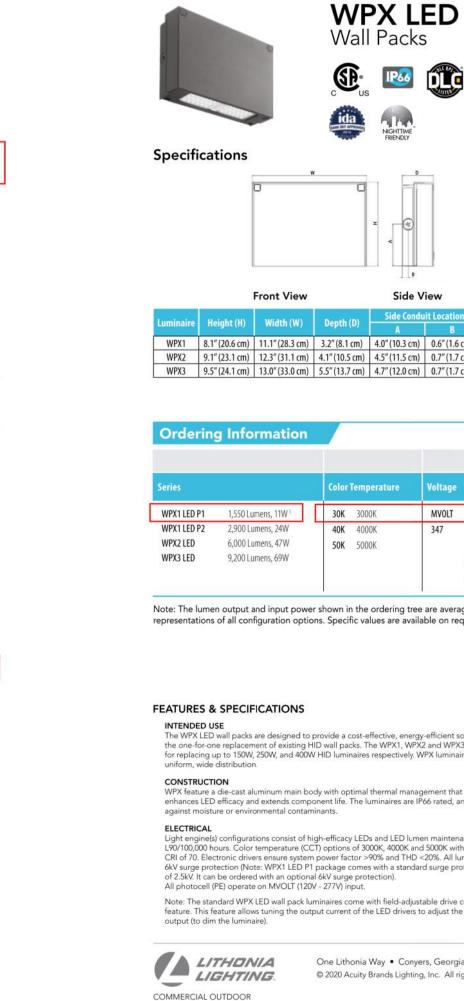
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SHEET CONTENTS SITE LIGHTING SUBMITTAL

ES-2







Portfolio

Lower Shielding Reflector

source brightness

brightness and glare.

anodized finishes

in the ceiling

Wall Wash Reflector

minimal source brightness

minimal source brightness.

the finished ceiling surface

Universal Mounting Bracket

C-channel and bar hangers

Die-cast aluminum 1 ½" deep collar

Accommodates up to 2" ceiling thickness

Accepts 1/2" Electric Metallic Tube (EMT),

Four 1/2" and two 3/4" trade size pry outs

positioned to allow straight conduit runs

Lever connectors for simple push in wiring

conductors and feed thru branch wiring

Listed for eight #12 AWG (four in, four out) 90°C

· Aluminum heat sink conducts heat away from the

ED module for improved performance and longer

Adjusts 5" vertically from above and below the

Plaster Frame/Collar

Product Specifications

· Painted die-cast aluminum or spun aluminum

Spun reflectors are available in all Portfolio

accessory for flush reflector transition

lower reflector with lensed upper optical chamber

provides superior lumen output with minimal

Hyperbolic reflector provides minimal aperture

Available with non-conductive polymer reflector up

Plaster lathing ring, knife edge and millwork ring

Decorative frosted acrylic ring provides a light glow

Open Wall Wash - wall wash reflector with gradient

kicker offered in single, double and corner wall

wash provides even vertical illumination with

Rotatable Lensed Wall Wash - Rotatable Lensed

wall wash reflector offered in single and double wall wash provides even vertical illumination with

Two torsion springs hold reflector flange tightly to

90 and 97 CRI

Vividtune and High CRI

90 & 97CRI: L78 55,000 hours for 1000-2000

lumens, L90 55,000 for all other lumen output

Color variation within 2-step MacAdam ellipses

and 5000K correlated color temperature (CCT

98 CRI and W2N: L70 55,000 hours

2000K to 5000K, 90 CRI. Standard

Available in 2400K, 2700K, 3000K, 3500K, 4000K

D2W™ - dim-to-warm shifts CCT from 3000K to

1850K as fixture dims mimicking halogen sources.

W2N - Tunable white CCT range 2700K to 6500K or

98 CRI With a full-spectrum approach using broad-

Thrive is able to closely match the spectrum of the

sun across all color temperatures. Benefits of the

natural spectrum of the sun using Thrive include

strain, and a higher sense of emotional well-being

See dedicated specification sheet for more details.

Standard 120-277V 0-10V dimming driver provides

Optional 120V leading edge/0-10V, <1% 0-10V, Fifth

Driver can be serviced from above or through the

Distributed low voltage power system combines

Provides 90 minutes of standby lighting, meeting

Available with integral or remote charge indicator

Available Self-Test with remote charge indicator

Emergency transfer device (ETRD) senses the

allowing emergency power to the fixture.

Two WaveLinx connected systems to choose

onnected Lighting System

loss of power regardless of local control settings

most life safety codes for egress lighting

Optional magnetically guided snap in driver for ease

power, lighting, and controls with ease of

flicker free dimming from 100% to 1%

Light, DMX or Lutron® Ecosystem

of maintenance.

and test switch

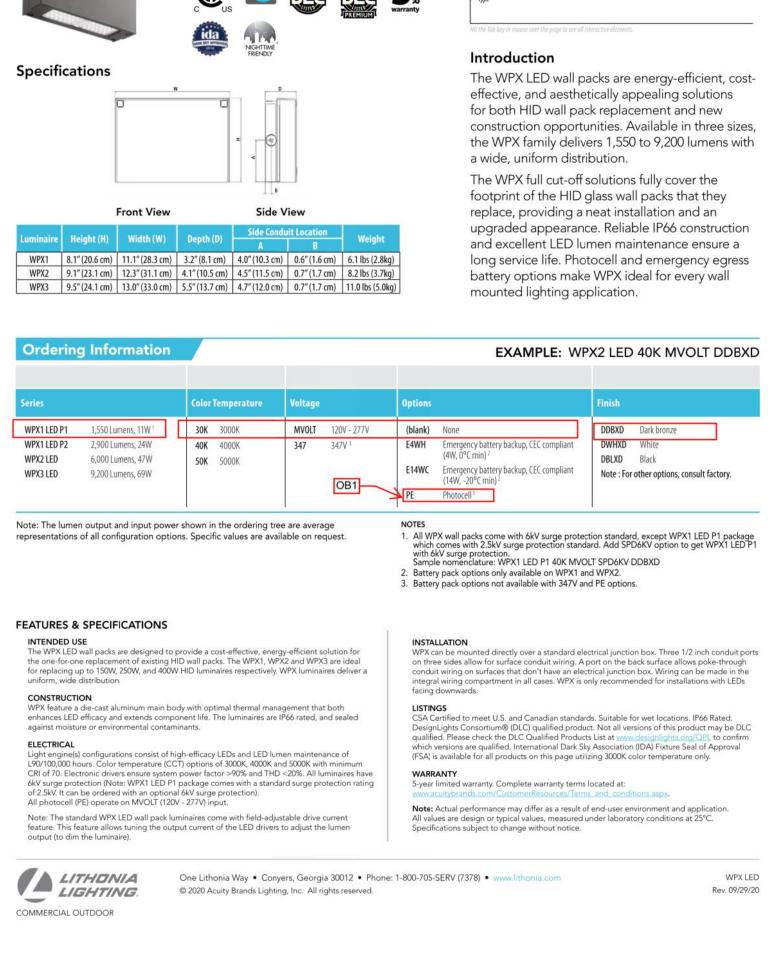
UL 924 listed

superior accurate color rendering, reduced eve

blue chip technology and special phosphor blends,

LD4C | EU4C | 4LE

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LD4C | EU4C | 4LB

WaveLinx Lite System Tilemount Sensor Kit

WaveLinx Tilemount Kits Application

· WaveLinx Lite WTK tile mount sensor kit offers

daylight dimming and PIR motion sensing, scene

· The WTA and WTK tilemount kits include a control

module mounted on the luminaire junction box via

1/2" knock-out, and a tilemount sensor on 54-inch

whip: for ceiling installation by direct-mount spring

The WTA and WTK tilemount kits may be ordered

cULus Listed for wet locations with downlight;

damp location with wall wash and hyperbolic

as factory installed on the luminaire, or ordered

separately as a field installed accessory kit.

· IP66 rated when used with IP66 gasket

Optional City of Chicago environmental air

(CCEA) marking for plenum applications

Can be used for State of California Title 24

high efficacy LED compliance under JA8,

eference Modernized Appliance Efficiency

Database System (MAEDBS) for 2016 JA8

Photometric testing completed in accordance

· LED life testing completed in accordance with

ES LM-80-08 and TM-21-11 standards

See table on page 3 for marked spacing

FCC CFR Title 47 Part 15 Class B at 120VAC and

Insulated ceiling (IC) rated up to 1,500 lumens

insulation must be kept 3" from top and sides

Thermally protected

with covered ceiling

Class A at 277VAC

High Efficacy Lighting

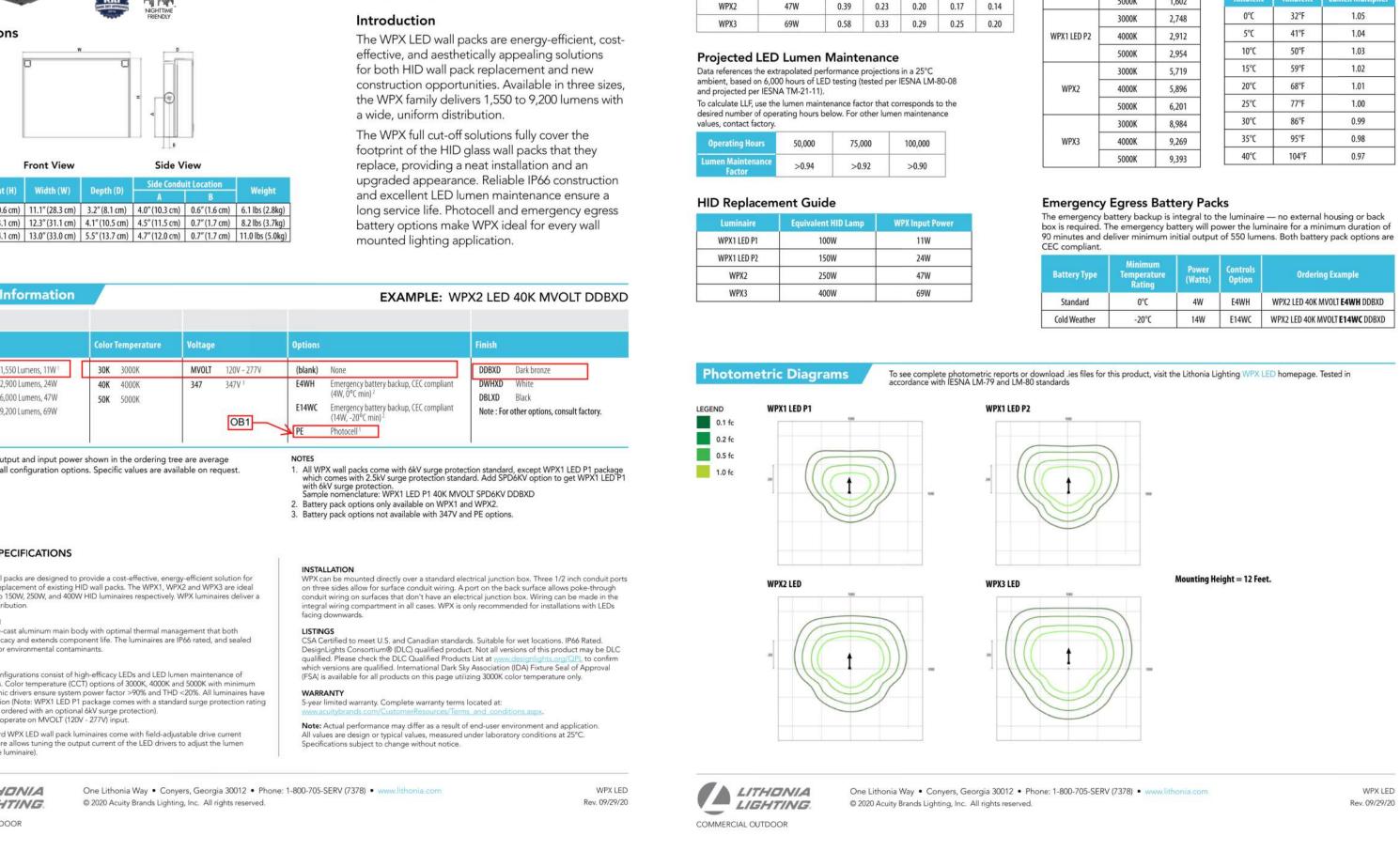
RoHS compliant

with IES LM-79

· Five year warranty

of housing).

clips or via mounting bracket in octagon ceiling



OB & OB1

Performance Data

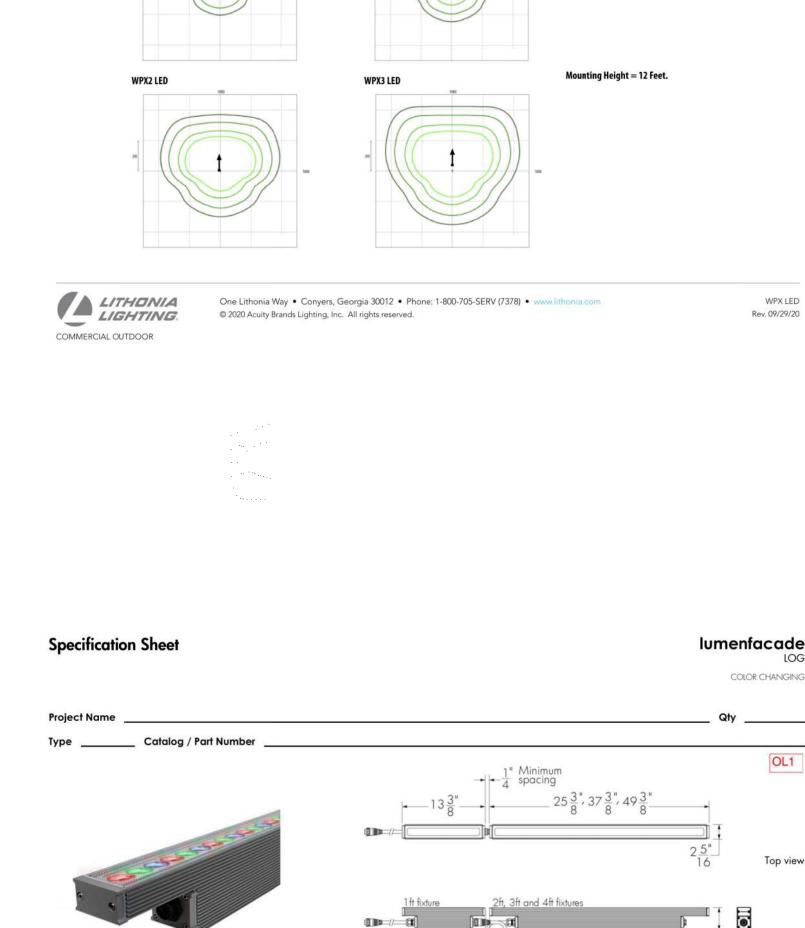
minaire Input Power (W) 120V 208V 240V 277V

WPX1 LED P1 11W 0.09 0.05 0.05 0.04 0.03

24W 0.20 0.12 0.10 0.09 0.07

Electrical Load

WPX1 LED P2



Lumen Output

4000K 1,568

5000K

Lumen Ambient Temperature

Use these factors to determine relative

Ambient Ambient Lumen Mult

0°C 32°F 1.05

15°C 59°F 1.02

25°C 77°F 1.00

lumen output for average ambient temperatures from 0-50°C (32-122°F).

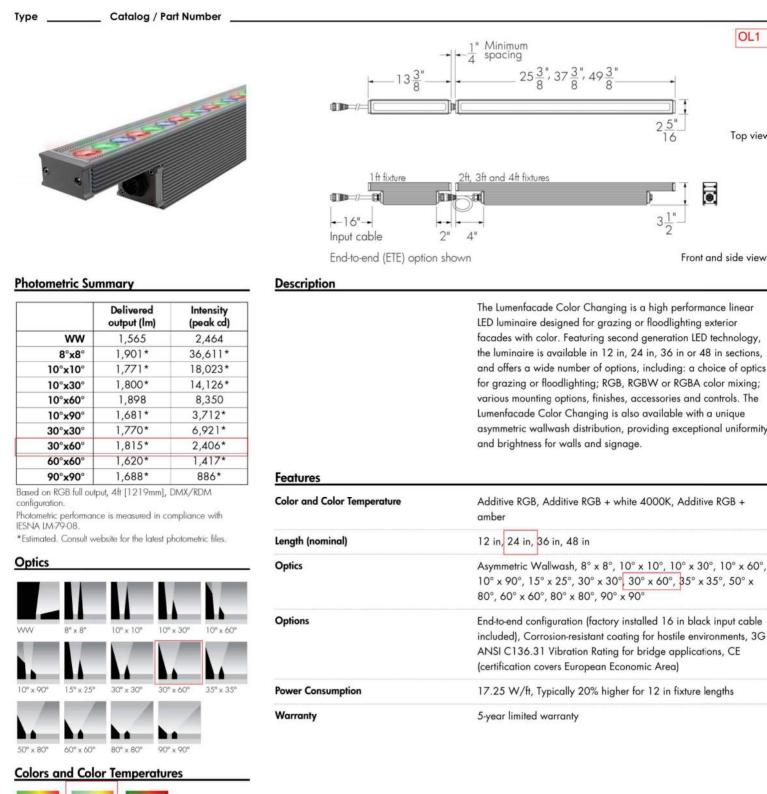
5°C 41°F

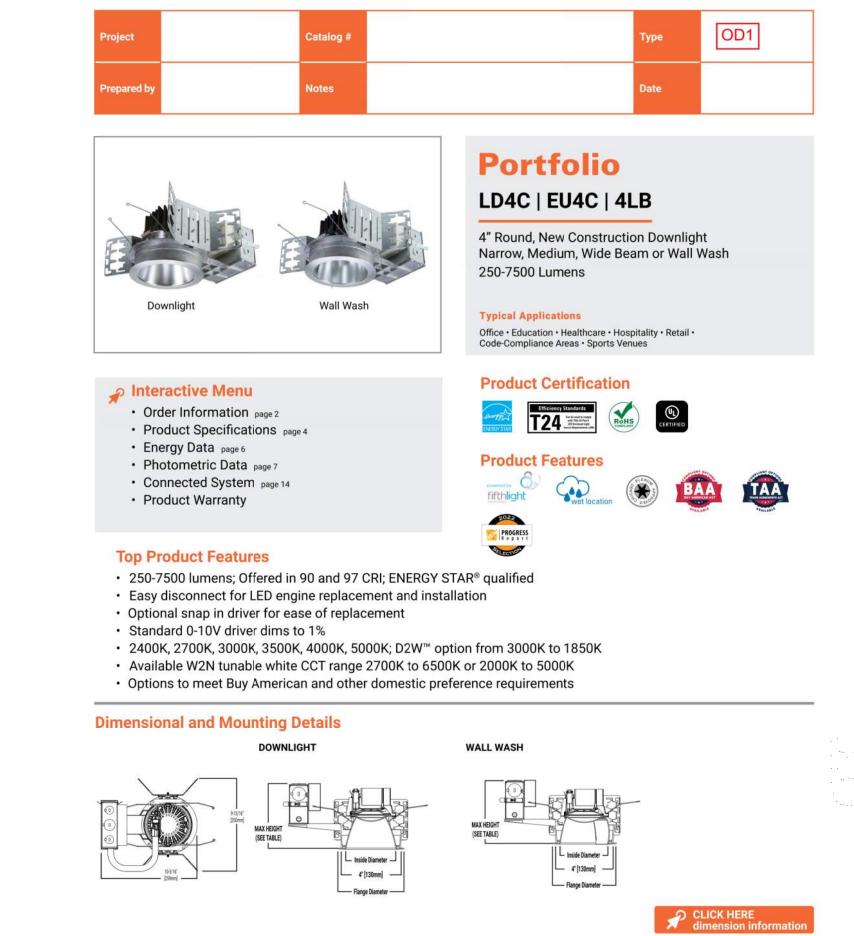
10°C 50°F

20°C 68°F

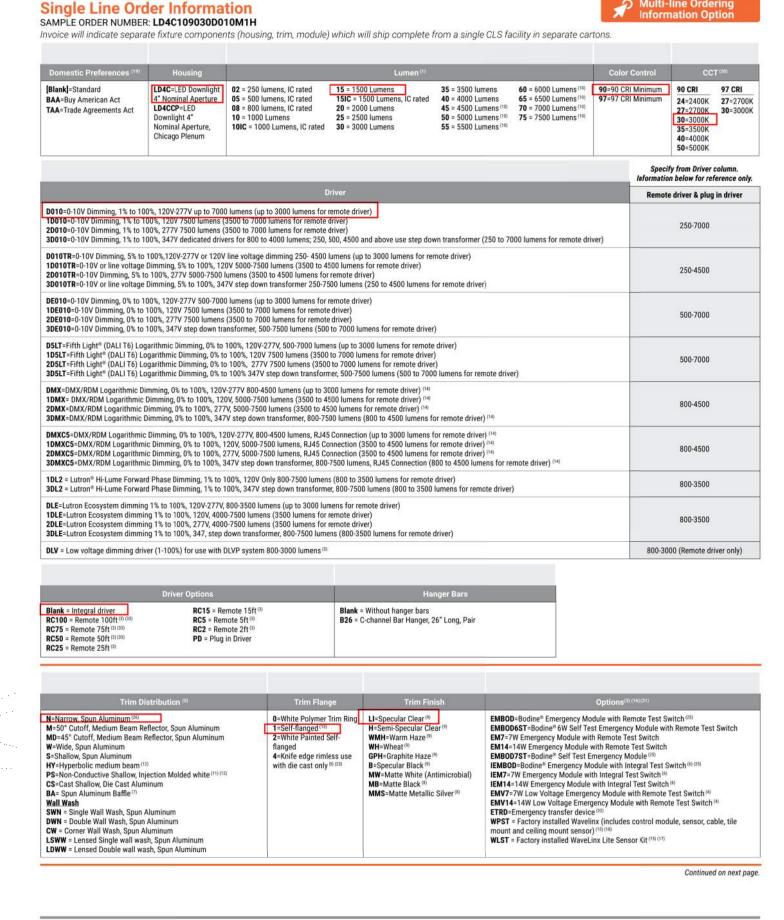
30°C 86°F

(LAT) Multipliers





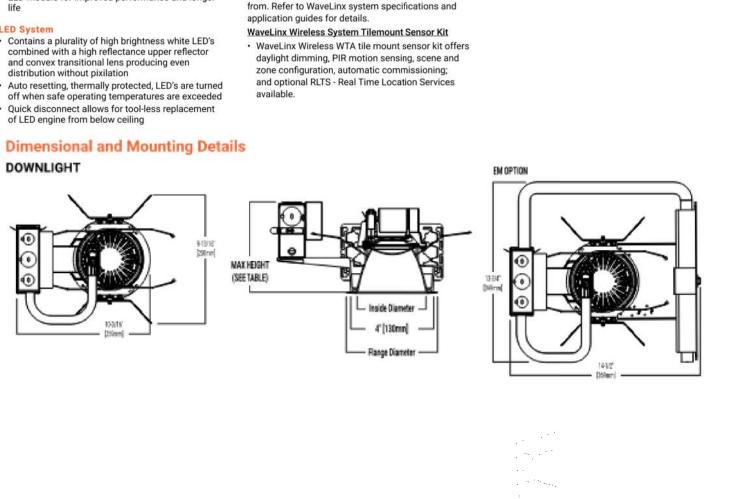
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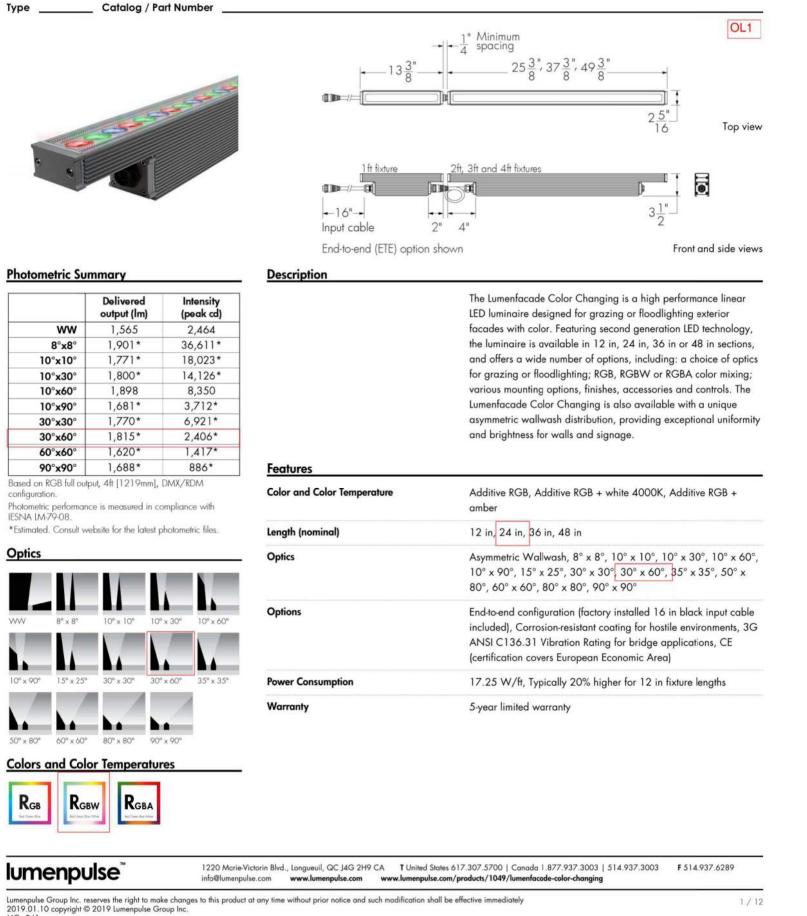


Portfolio

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M&H NO.: 4215400-161957.01

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Lawson

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TRANSPORTATION 1919 ALLIANT ENERGY

PROJECT NO. 318025

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APPLICATION

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10/31/2022 LAND USE

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CENTER WAY MADISON, WI 53713

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