Statistics

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Calc Zone Ph-1	+	1.0 fc	16.6 fc	0.0 fc	N/A	N/A
Calc Zone Ph-2	+	0.5 fc	11.4 fc	0.0 fc	N/A	N/A
Ph-1 Parking	✳	1.9 fc	4.8 fc	0.5 fc	9.6:1	3.8:1
Ph-1 Sidewalk	✳	1.8 fc	7.8 fc	0.5 fc	15.6:1	3.6:1

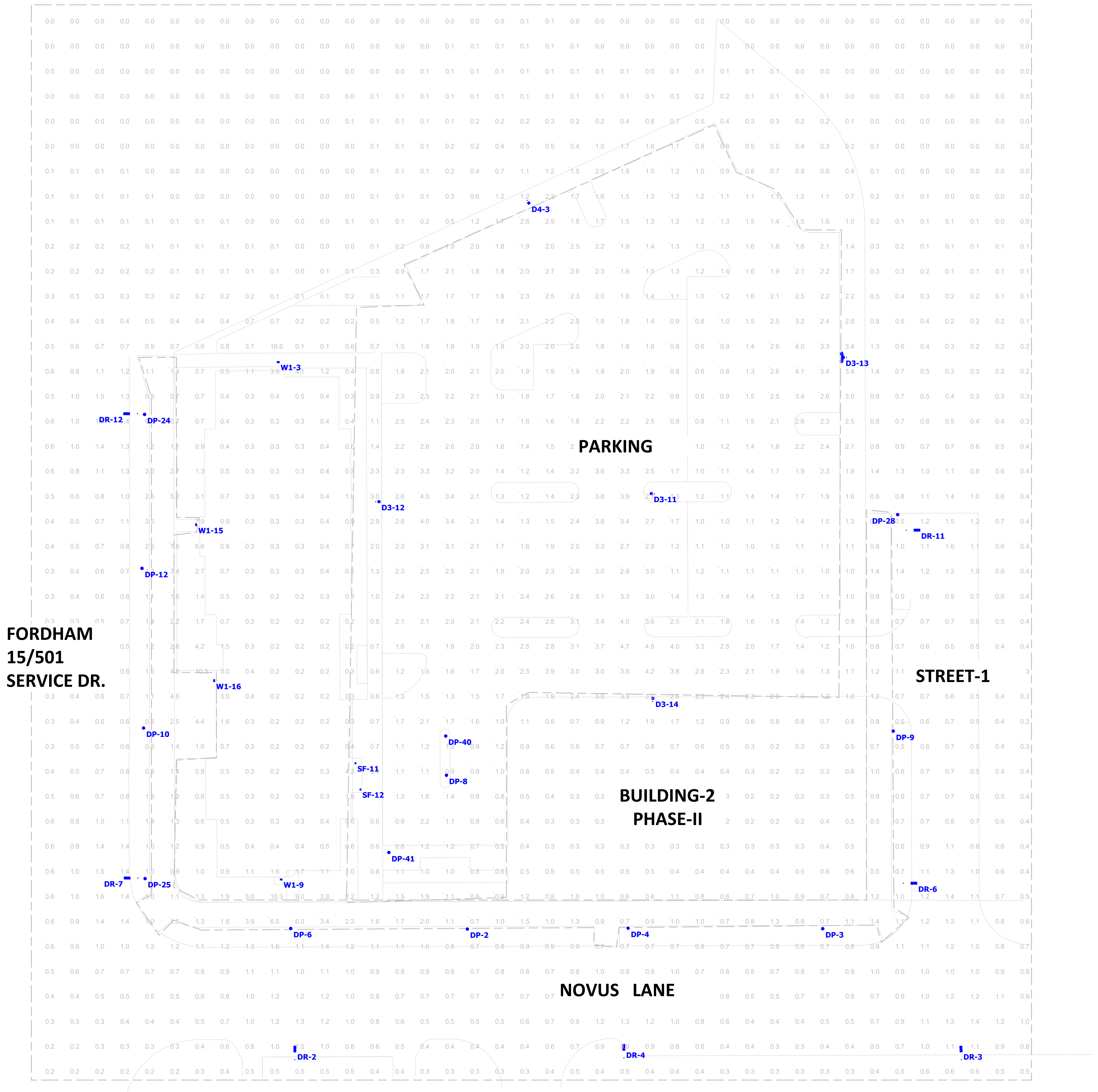
Schedule

Symbol	Label	QTY	Catalog Number	Description	Lamp	Number Lamps	Lumens per Lamp	LLF	Wattage
▯	DR	7	ATB0 20B LED E10 XXXXX R3	ATB0 SERIES 72W LED 1000MA TYPE 3 4000K CCT	20B 4K LED ARRAY	1	6264	0.85	72
◎	DP	13	ARC050650LEDEU33	LED POST TOP TYPE III NO CAGE	6 LED UNIT, 5000CCT, 65CRI	6	559	0.85	57.4
□	D3	4	GAN-AE-04-LED-U-T3R	GALLEON LED AREA AND ROADWAY LUMINAIRE (4) 70 CRI, 4000K, 1A LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS ABSOLUTE PHOTOMETRY IS BASED ON CALIBRATION FACTORS CREATED USING LAB LUMEN STANDARDS IN GONIOPHOTOMETER WITH TEST DISTANCE OF 28.75 FEET		64	330	0.85	213
□	D4	1	GAN-AE-04-LED-U-T4W	GALLEON LED AREA AND ROADWAY LUMINAIRE (4) 70 CRI, 4000K, 1A LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS ABSOLUTE PHOTOMETRY IS BASED ON CALIBRATION FACTORS CREATED USING LAB LUMEN STANDARDS IN GONIOPHOTOMETER WITH TEST DISTANCE OF 28.75 FEET		64	321	0.85	213
□	D33	0	GAN-AE-04-LED-U-T3R	GALLEON LED AREA AND ROADWAY LUMINAIRE (4) 70 CRI, 4000K, 1A LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS ABSOLUTE PHOTOMETRY IS BASED ON CALIBRATION FACTORS CREATED USING LAB LUMEN STANDARDS IN GONIOPHOTOMETER WITH TEST DISTANCE OF 28.75 FEET		64	330	0.85	426
▭	W1	4	WST LED P3 40K VW MVOLT	WST LED, Performance package 3, 4000 K, visual comfort wide, MVOLT	LED	1	6689	0.85	50
⌂	P1	0	AS1 42TRT SR3 HS	ARCHITECTURAL ARM-MOUNTED CUTOFF LUMINAIRE WITH SR3 REFLECTOR, BLACK INTERNAL HOUSE SIDE SHIELD. MEETS THE 'NIGHTTIME FRIENDLY' CRITERIA	ONE 42-WATT TRIPLE TUBE COMPACT FLUORESCENT, HORIZONTAL POSITION.	1	3200	0.85	48
○	SF	2	LA4-13401-G3+LA400F-CL	INDY 4" DIA. 1-LED 1300LM, 4K 80 CRI, ADJUSTABLE ACCENT LIGHT W/ CLEAR SPECULAR ALZAK LOWER CONE (CL), MULTI-FACETED CLEAR SPECULAR FLOOD REFLECTOR & LIGHTLY FROSTED PLASTIC DIFFUSING LENS	1-WHITE LED LIGHT ENGINE, LUMEN RATING = -1/ABSOLUTE PHOTOMETRY	1	884	1	13.5
▭	B	0		77237	LED 2,1W	1	136	1	3
◠	SC	0	OLLWU	OUTDOOR LED WALL UPLIGHT AND DOWNLIGHT CYLINDER WITH 4000K LEDS AND POLYCARBONATE LENSES	LED	1	491	1	14.3
⌂	P2	0	AS1 2/42TRT SR3 HS	ARCHITECTURAL ARM-MOUNTED CUTOFF LUMINAIRE WITH SR3 REFLECTOR, BLACK INTERNAL HOUSE SIDE SHIELD. MEETS THE 'NIGHTTIME FRIENDLY' CRITERIA	TWO 42-WATT TRIPLE TUBE COMPACT FLUORESCENT, HORIZONTAL POSITION.	2	3200	0.85	186

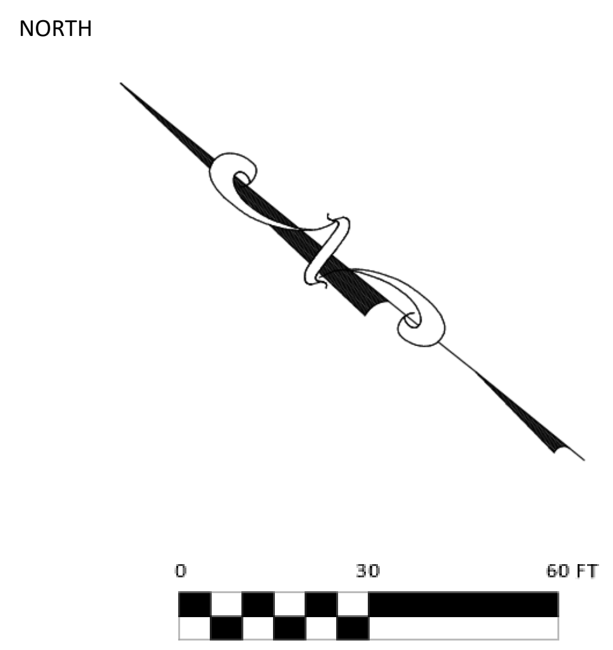
Luminaire Locations

		Location						Aim		
No.	Label	X	Y	Z	MH	Orientation	Tilt	X	Y	Z
3	D4	-214.70	9403.80	28.00	28.00	149.68	0.00	-214.07	9402.72	0.00
11	D3	-163.80	9286.50	28.00	28.00	271.66	0.00	-165.05	9286.54	0.00
12	D3	-275.20	9283.30	28.00	28.00	90.00	0.00	-273.95	9283.30	0.00
13	D3	-87.00	9341.00	28.00	28.00	270.00	0.00	-88.25	9341.00	0.00
14	D3	-164.50	9203.40	28.00	28.00	4.54	0.00	-164.40	9204.65	0.00
2	DP	-238.60	9112.40	12.00	12.00	0.00	0.00	-238.60	9112.40	0.00
3	DP	-96.48	9112.55	12.00	12.00	0.00	0.00	-96.48	9112.55	0.00
4	DP	-174.33	9112.74	12.00	12.00	0.00	0.00	-174.33	9112.74	0.00
6	DP	-309.26	9112.63	12.00	12.00	0.00	0.00	-309.26	9112.63	0.00
8	DP	-247.00	9173.89	12.00	12.00	272.60	0.00	-247.00	9173.89	0.00
9	DP	-68.25	9191.55	12.00	12.00	272.60	0.00	-68.25	9191.55	0.00
10	DP	-368.14	9192.76	12.00	12.00	90.00	0.00	-368.14	9192.76	0.00
12	DP	-368.76	9256.65	12.00	12.00	88.81	0.00	-368.76	9256.65	0.00
24	DP	-367.74	9318.22	12.00	12.00	91.08	0.00	-367.74	9318.22	0.00
25	DP	-367.53	9132.55	12.00	12.00	88.51	0.00	-367.53	9132.55	0.00
28	DP	-66.50	9278.10	12.00	12.00	270.00	0.00	-66.50	9278.10	0.00
40	DP	-247.30	9189.60	12.00	12.00	0.00	0.00	-247.30	9189.60	0.00
41	DP	-270.00	9143.00	12.00	12.00	99.46	0.00	-270.00	9143.00	0.00
2	DR	-307.61	9060.14	30.00	30.00	0.00	0.00	-307.61	9064.39	0.00
3	DR	-41.08	9060.14	30.00	30.00	358.21	0.00	-41.21	9064.39	0.00
4	DR	-176.04	9060.82	30.00	30.00	359.51	0.00	-176.08	9065.07	0.00
6	DR	-64.25	9130.73	30.00	30.00	90.00	0.00	-60.00	9130.73	0.00
7	DR	-370.44	9132.75	30.00	30.00	270.32	0.00	-374.69	9132.78	0.00
11	DR	-63.06	9271.88	30.00	30.00	90.00	0.00	-58.81	9271.88	0.00
12	DR	-370.64	9318.52	30.00	30.00	270.00	0.00	-374.89	9318.52	0.00
11	SF	-283.40	9178.70	12.00	12.00	0.00	0.00	-283.40	9178.70	0.00
12	SF	-281.40	9168.20	12.00	12.00	0.00	0.00	-281.40	9168.20	0.00
3	W1	-314.30	9339.10	10.00	10.00	2.16	0.00	-314.30	9339.10	0.00
9	W1	-313.10	9132.20	16.00	16.00	184.57	0.00	-313.10	9132.20	0.00
15	W1	-347.10	9274.10	16.00	16.00	265.39	0.00	-347.10	9274.10	0.00
16	W1	-339.90	9211.70	16.00	16.00	270.00	0.00	-339.90	9211.70	0.00

MH = MOUNTING HEIGHTS



Plan View
Scale - 1" = 30ft



SCOTT MURRAY
LAND PLANNING, INC.
Landscape Architecture | Environmental Design | Project Management

Project:

Tarheel Lodging
Redevelopment

Developer:

Tarheel Lodging, LLC
and
Unicorn Group
Fifteen, LLC
6110 Falconbridge Rd. Ste. 200
Chapel Hill, NC 27517

Sheet Title:

Lighting Plan
Phase-I

No.	Date:	Issue Notes:

Design Firm:
Scott Murray Land Planning, Inc.
274 Botetourt Ct. Boydton, VA 23917
1450 Environ Way Chapel Hill, NC 27517
252-213-9501 434-689-2925 (fax)
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Scale:
1"=30'-0"

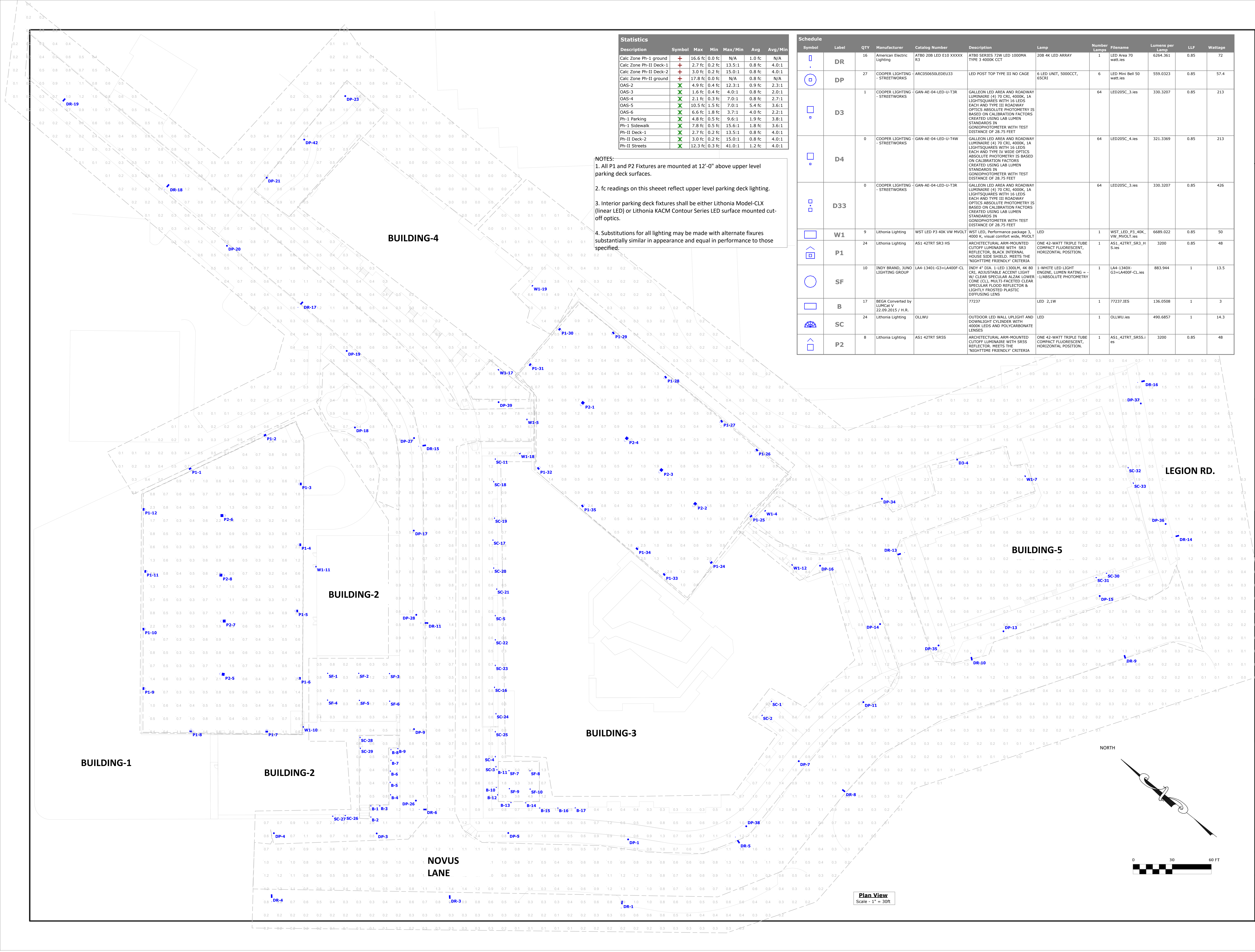
Date:
Oct. 13, 2018

Drawn & Checked By:
STM

Surveyed.:

CS2401

of



Plan View
Scale - 1" = 30ft

Statistics

Description	Symbol	Max	Min	Max/Min	Avg	Avg/Min
Calc Zone Ph-1 ground	+	16.6 fc	0.0 fc	N/A	1.0 fc	N/A
Calc Zone Ph-II Deck-1	+	2.7 fc	0.2 fc	13.5:1	0.8 fc	4.0:1
Calc Zone Ph-II Deck-2	+	3.0 fc	0.2 fc	15.0:1	0.8 fc	4.0:1
Calc Zone Ph-II ground	+	17.8 fc	0.0 fc	N/A	0.8 fc	N/A
OAS-2	✳	4.9 fc	0.4 fc	12.3:1	0.9 fc	2.3:1
OAS-3	✳	1.6 fc	0.4 fc	4.0:1	0.8 fc	2.0:1
OAS-4	✳	2.1 fc	0.3 fc	7.0:1	0.8 fc	2.7:1
OAS-5	✳	10.5 fc	1.5 fc	7.0:1	5.4 fc	3.6:1
OAS-6	✳	6.6 fc	1.8 fc	3.7:1	4.0 fc	2.2:1
Ph-1 Parking	✳	4.8 fc	0.5 fc	9.6:1	1.9 fc	3.8:1
Ph-1 Sidewalk	✳	7.8 fc	0.5 fc	15.6:1	1.8 fc	3.6:1
Ph-II Deck-1	✳	2.7 fc	0.2 fc	13.5:1	0.8 fc	4.0:1
Ph-II Deck-2	✳	3.0 fc	0.2 fc	15.0:1	0.8 fc	4.0:1
Ph-II Streets	✳	12.3 fc	0.3 fc	41.0:1	1.2 fc	4.0:1

NOTES:
1. All P1 and P2 Fixtures are mounted at 12'-0" above upper level parking deck surfaces.

2. fc readings on this sheeet reflect upper level parking deck lighting.

3. Interior parking deck fixtures shall be either Lithonia Model-CLX (linear LED) or Lithonia KACM Contour Series LED surface mounted cut-off optics.

4. Substitutions for all lighting may be made with alternate fixtures substantially similar in appearance and equal in performance to those specified.

Schedule

Symbol	Label	QTY	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Filename	Lumens per Lamp	LLF	Wattage
▯	**DR**	16	American Electric Lighting	ATB0 20B LED E10 XXXXX R3	ATB0 SERIES 72W LED 1000MA TYPE 3 4000K CCT	20B 4K LED ARRAY	1	LED Area 70 watt.ies	6264.361	0.85	72
○	**DP**	27	COOPER LIGHTING - - STREETWORKS	ARC050650LEDEU33	LED POST TOP TYPE III NO CAGE	6 LED UNIT, 5000CCT, 65CRI	6	LED Mini Bell 50 watt.ies	559.0323	0.85	57.4
□	**D3**	1	COOPER LIGHTING - - STREETWORKS	GAN-AE-04-LED-U-T3R	GALLEON LED AREA AND ROADWAY LUMINAIRE (4) 70 CRI, 4000K, 1A LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS ABSOLUTE PHOTOMETRY IS BASED ON CALIBRATION FACTORS CREATED USING LAB LUMEN STANDARDS IN GONIOPHOTOMETER WITH TEST DISTANCE OF 28.75 FEET		64	LED205C_3.ies	330.3207	0.85	213
□	**D4**	0	COOPER LIGHTING - - STREETWORKS	GAN-AE-04-LED-U-T4W	GALLEON LED AREA AND ROADWAY LUMINAIRE (4) 70 CRI, 4000K, 1A LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS ABSOLUTE PHOTOMETRY IS BASED ON CALIBRATION FACTORS CREATED USING LAB LUMEN STANDARDS IN GONIOPHOTOMETER WITH TEST DISTANCE OF 28.75 FEET		64	LED205C_4.ies	321.3369	0.85	213
□	**D33**	0	COOPER LIGHTING - - STREETWORKS	GAN-AE-04-LED-U-T3R	GALLEON LED AREA AND ROADWAY LUMINAIRE (4) 70 CRI, 4000K, 1A LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS ABSOLUTE PHOTOMETRY IS BASED ON CALIBRATION FACTORS CREATED USING LAB LUMEN STANDARDS IN GONIOPHOTOMETER WITH TEST DISTANCE OF 28.75 FEET		64	LED205C_3.ies	330.3207	0.85	426
▭	**W1**	9	Lithonia Lighting	WST LED P3 40K VW MVOLT	WST LED, Performance package 3, 4000 K, visual comfort wide, MVOLT	LED	1	WST_LED_P3_40K_VW_MVOLT.ies	6689.022	0.85	50
□	**P1**	24	Lithonia Lighting	AS1 42TRT SR3 HS	ARCHITECTURAL ARM-MOUNTED CUTOFF LUMINAIRE WITH SR3 REFLECTOR, BLACK INTERNAL HOUSE SIDE SHIELD. MEETS THE 'NIGHTTIME FRIENDLY' CRITERIA	ONE 42-WATT TRIPLE TUBE COMPACT FLUORESCENT, HORIZONTAL POSITION.	1	AS1_42TRT_SR3_HS.ies	3200	0.85	48
○	**SF**	10	INDY BRAND, JUNO LIGHTING GROUP	LA4-13401-G3+LA400F-CL	INDY 4" DIA. 1-LED 1300LM, 4K 80 CRI, ADJUSTABLE ACCENT LIGHT W/ CLEAR SPECULAR ALZAK LOWER CONE (CL), MULTI-FACETED CLEAR SPECULAR FLOOD REFLECTOR & LIGHTLY FROSTED PLASTIC DIFFUSING LENS	1-WHITE LED LIGHT ENGINE, LUMEN RATING = --1/ABSOLUTE PHOTOMETRY	1	LA4-1340X-G3+LA400F-CL.ies	883.944	1	13.5
▭	**B**	17	BEGA Converted by LUMCat V 22.09.2015 / H.R.		77237	LED 2,1W	1	77237.IES	136.0508	1	3
◓	**SC**	24	Lithonia Lighting	OLLWU	OUTDOOR LED WALL UPLIGHT AND DOWNLIGHT CYLINDER WITH 4000K LEDS AND POLYCARBONATE LENSES	LED	1	OLLWU.ies	490.6857	1	14.3
□	**P2**	8	Lithonia Lighting	AS1 42TRT SR5S	ARCHITECTURAL ARM-MOUNTED CUTOFF LUMINAIRE WITH SR5S REFLECTOR. MEETS THE 'NIGHTTIME FRIENDLY' CRITERIA	ONE 42-WATT TRIPLE TUBE COMPACT FLUORESCENT, HORIZONTAL POSITION.	1	AS1_42TRT_SR5S.ies	3200	0.85	48

SCOTT MURRAY
LAND PLANNING, INC.
Landscape Architecture | Environmental Design | Project Management

Project:

Tarheel Lodging Redevelopment

Developer:

Tarheel Lodging, LLC
and
Unicorn Group
Fifteen, LLC
6110 Falconbridge Rd. Ste. 200
Chapel Hill, NC 27517

Sheet Title:

Lighting Plan Phase-II

No.	Date:	Issue Notes:

Design Firm:
Scott Murray Land Planning, Inc.
274 Botetourt Ct. Boydton, VA 23917
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Scale:
1"=30'-0"

Date:
Oct. 13, 2018

Drawn & Checked By:
STM

Surveyed.:

CS2402

of

DUKE ENERGY.

Outdoor Lighting

Roadway LED

The Roadway LED is a green solution and great fit for streets, roads, long, narrow areas and parking lots. This energy-efficient luminaire delivers the light where it is needed while increasing visibility and reducing spill light to adjoining properties. Choose low to medium light output on wood or fiberglass poles (or mount on an existing pole). Available with one to four fixtures per pole, depending on the fixture/pole combination selected.

LED *(Light Emitting Diode)*	50 | 70 | 110 | 150 | 220 | 280 watts
Mounting heights	15', 20', 25', 30', 35'
Colors	Bronze Black Gray Green
Poles	Style A, C Wood

For additional information, visit
duke-energy.com/OutdoorLighting
or call us toll free:
800.544.6900 (OH and KY)
800.521.2232 (IN)

DUKE ENERGY.

Outdoor Lighting

Mini Bell LED

Subject to variance from manufacturer. Contact us for region-specific details.

The Mini Bell LED is an energy-efficient luminaire with a classic, sophisticated design. This fixture is an excellent choice for illuminating pathways and residential communities.

LED *(Light Emitting Diode)*	50 watts
Mounting height	12', 17' (Style B pole only)
Colors	Black Green
Poles	Style A, B, C, D, E, F
Applications	Neighborhoods Parks

For additional information, visit
duke-energy.com/OutdoorLighting
or call us toll free:
800.544.6900 (OH and KY)
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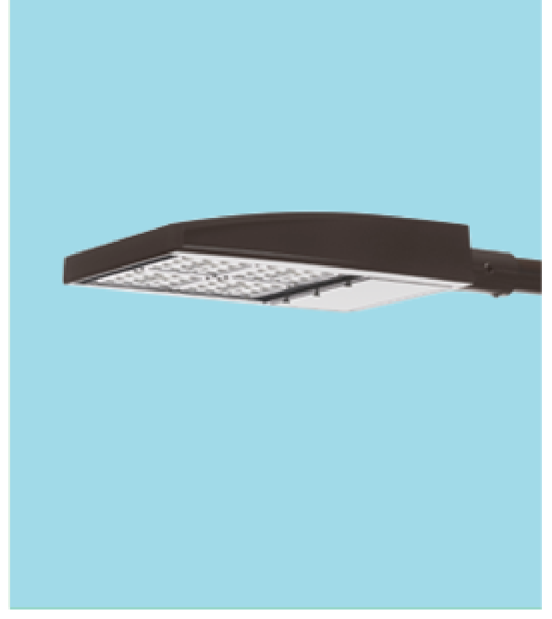
Outdoor Lighting

Shoebox LED



The energy-efficient Shoebox LED combines a decorative, contemporary style with versatility and ample lighting effect that is perfect for streets, parking lots, commercial buildings and residential communities. The Shoebox LED provides excellent color rendition along with a controlled light pattern that reduces glare and keeps the light directed only where you want it. Available in black or dark bronze with one to four fixtures per pole.

LED *(Light Emitting Diode)*	205 watts
Mounting heights	30', 35'
Colors	Black Bronze
Poles	Fiberglass Decorative tapered metal Decorative square metal
Application	Parking lots

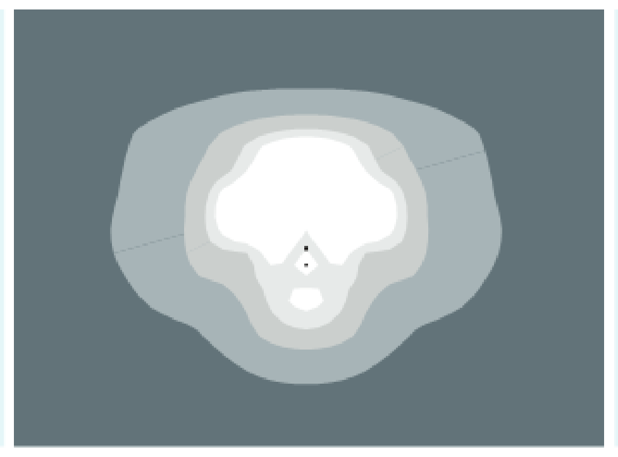
For additional information, visit us at
duke-energy.com/OutdoorLighting
or call us toll free at **866.769.6417**.

DUKE ENERGY.

Outdoor Lighting

Roadway LED

Light source: LED *(white)*
Wattage: 50 | 70 | 110 | 150 | 220 | 280
Light pattern: IESNA Type III *(oval)*
IESNA cutoff classification: Full cutoff
Color temperature: 4,000K
Warm-up and restrike time: Instant on *(no warm-up or restrike time)*



light distribution pattern

Poles available:

Name	*Mounting height*	*Color*
Aluminum	15', 20', 25', 30', 35'	Bronze Black Gray Green
Wood	25', 30', 35'	Standard

Features	Benefits
No installation cost	Frees up capital for other projects
Design services by lighting professionals included	Meets industry standards and lighting ordinances
Maintenance included	Eliminates high and unexpected repair bills
Electricity included	Less expensive than metered service
Warranty included	Worry-free
One low monthly cost on your electric bill	Convenience and savings for you
Turnkey operation	Provides hassle-free installation and service
Backed by over 40 years of experience	A name you can trust today … and tomorrow

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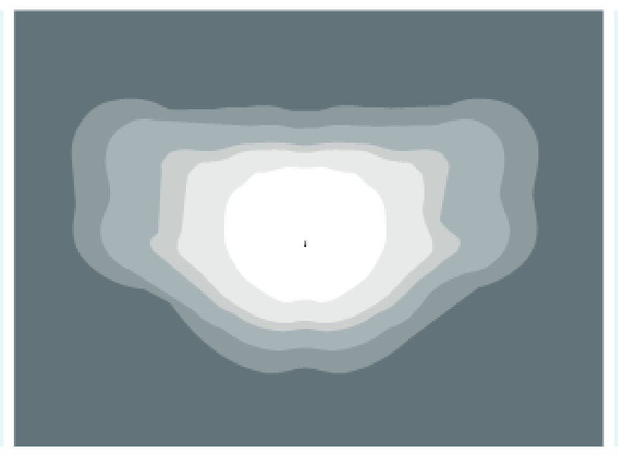
Fixture-DR

Outdoor Lighting

Mini Bell LED

Light source: LED *(white)*
Wattage: 50
Lumens: 4,500
Light pattern: IESNA Type III *(oval)*
IESNA cutoff classification: Cutoff
Color temperature: 4,000K
Warm-up and restrike time: Instant on *(no warm-up or restrike time)*



light distribution pattern

Pole available:

Name	*Mounting height*	*Color*
Aluminum	12', 17' (Style B pole only)	Black Green

Features	Benefits
Little to no upfront capital cost required	Frees up capital for other projects
Design services by lighting professionals included	Meets industry standards and lighting ordinances
Maintenance included	Eliminates high and unexpected repair bills
Electricity included	Less expensive than metered service
Warranty included	Worry-free
One low monthly cost on your electric bill	Convenience and savings for you
Turnkey operation	Provides hassle-free installation and service
Backed by over 125 years of experience	A name you can trust today … and tomorrow

Fixture-DP

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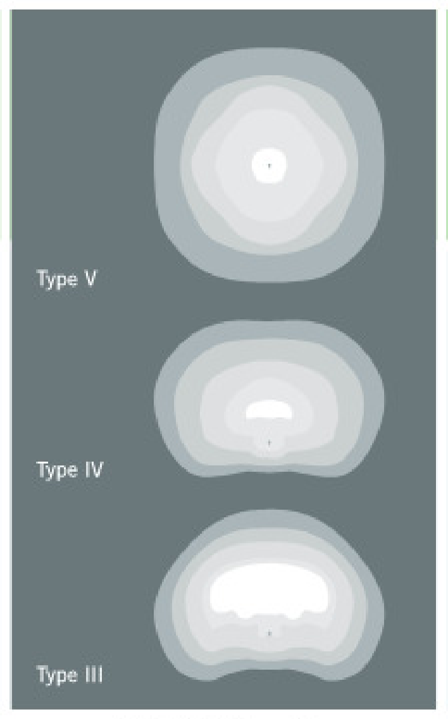
DUKE ENERGY. PROGRESS

Outdoor Lighting

Shoebox LED

Light source: LED *(white)*
Wattage: 205
Replacement for:* One 400-watt metal halide Shoebox;
two Shoebox LEDs needed to replace one 1,000-watt metal halide Cube
Lumens: 20,555 – 21,803 *(fixture dependent)*
IES Backlight-Uplight-Glare (BUG) rating:[1]
Type V | B5-U0-G3 *(zero light at and above 90°)*
Type IV | B3-U0-G4 *(zero light at and above 90°)*
Type III | B2-U0-G4 *(zero light at and above 90°)*
Light pattern:
LED 205 | IED Type V *(circular)*
LED 205 | IES Type IV *(forward throw)*
LED 205 | IES Type III *(oval)*
IESNA Cutoff Classification: Full cutoff
Color temperature:[2] 4,000K
Warm-up and restrike time: Instant on *(no warm-up or restrike time)*



light distribution pattern

** These are approximate replacement suggestions; actual conditions could be different.*

[1] *IES cutoff classifications have been replaced with the IES Luminaire Classification System and associated BUG ratings for backlight, uplight and glare.*

[2] *Color temperature is rated in Kelvin degrees and describes how warm or cool a light source is. The higher the number, the cooler the light source.*

Poles available:

Name	*Mounting height*	*Color*
Round tapered decorative metal*	35'	Black Bronze
Decorative square metal*	30'	Black Bronze
Fiberglass	30', 35'	Black

Features	Benefits
Little or no installation cost	Frees up capital for other projects
Design services by lighting professionals included	Meets industry standards and lighting ordinances
Maintenance included	Eliminates high and unexpected repair bills
Electricity included	Less expensive than metered service
Warranty included	Worry-free
One low monthly cost on your electric bill	Convenience and savings for you
Turnkey operation	Provides hassle-free installation and service
Backed by over 40 years of experience	A name you can trust today … and tomorrow

**2' raised foundation available when required.*

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Fixture-D3, D4 & D33

SCOTT MURRAY
LAND PLANNING, INC.
Landscape Architecture | Environmental Design | Project Management

Project:

Tarheel Lodging
Redevelopment

Developer:

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and
Unicorn Group
Fifteen, LLC
6110 Falconbridge Rd. Ste. 200
Chapel Hill, NC 27517

Sheet Title:

Lighting
Details

No.	Date:	Issue Notes:

Design Firm:
Scott Murray Land Planning, Inc.
274 Botetourt Ct. Boydton, VA 23917
1450 Environ Way Chapel Hill, NC 27517
252-213-9501 434-689-2925 (fax)
www. stmlandplan.com
smurray@stmlandplan.com

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Scale:

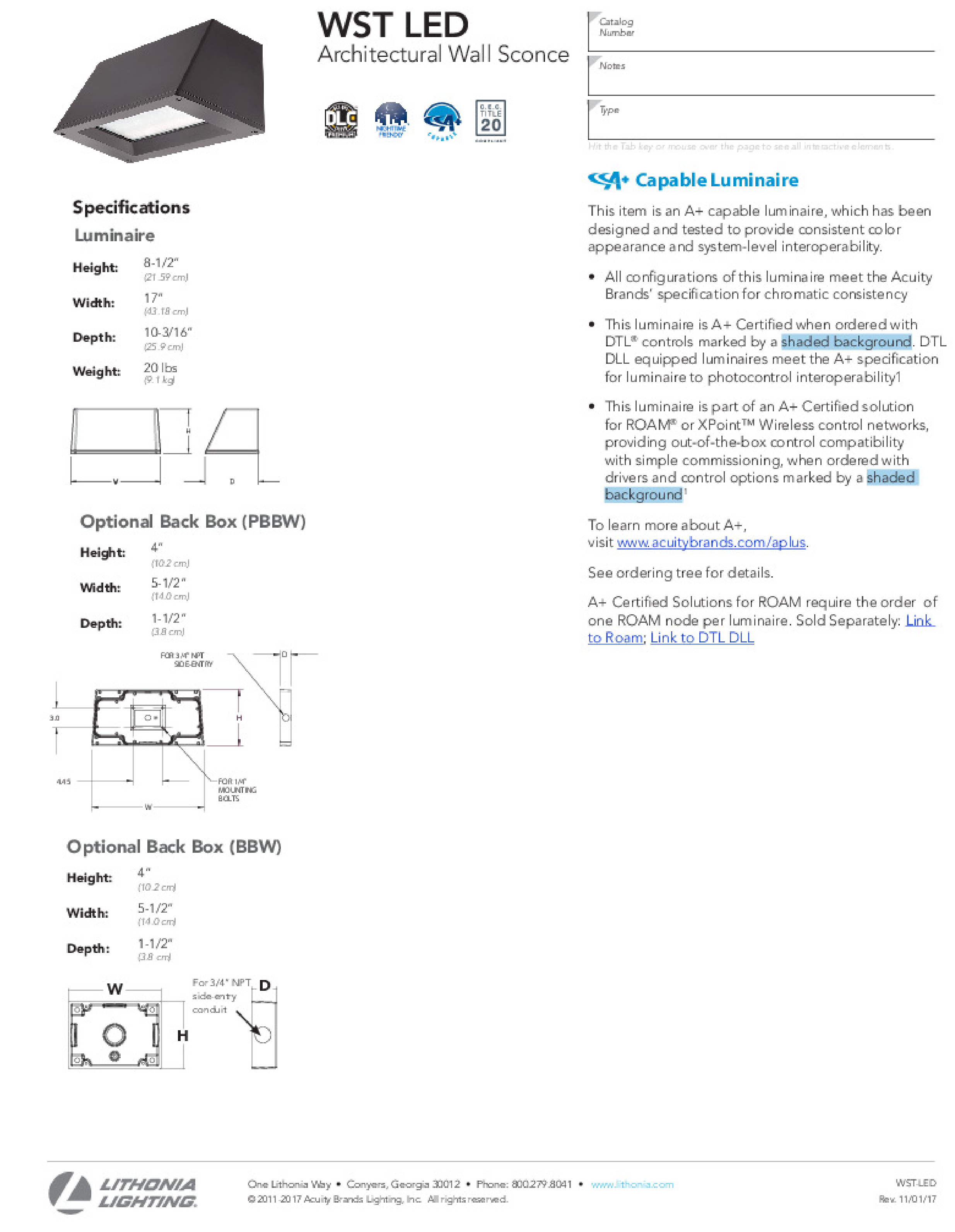
Date:
Oct. 13, 2018

Drawn & Checked By:
STM

Surveyed.:

CS2403

of



WST LED
Architectural Wall Sconce

Catalog Number
Notes
Type

Hit the Tab key or mouse over the page to see all interactive elements.

Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and system-level interoperability.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is A+ Certified when ordered with DTL® controls marked by a shaded background. DTL DLL equipped luminaires meet the A+ specification for luminaire to photocontrol interoperability1
- This luminaire is part of an A+ Certified solution for ROAM® or XPoint™ Wireless control networks, providing out-of-the-box control compatibility with simple commissioning, when ordered with drivers and control options marked by a shaded background[1]

To learn more about A+,
visit www.acuitybrands.com/aplus.

See ordering tree for details.

A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire. Sold Separately: Link to Roam; Link to DTL DLL

Specifications
Luminaire

Height:	8-1/2" (21.59 cm)
Width:	17" (43.18 cm)
Depth:	10-3/16" (25.9 cm)
Weight:	20 lbs (9.1 kg)

Optional Back Box (PBBW)

Height:	4" (10.2 cm)
Width:	5-1/2" (14.0 cm)
Depth:	1-1/2" (3.8 cm)

Optional Back Box (BBW)

Height:	4" (10.2 cm)
Width:	5-1/2" (14.0 cm)
Depth:	1-1/2" (3.8 cm)

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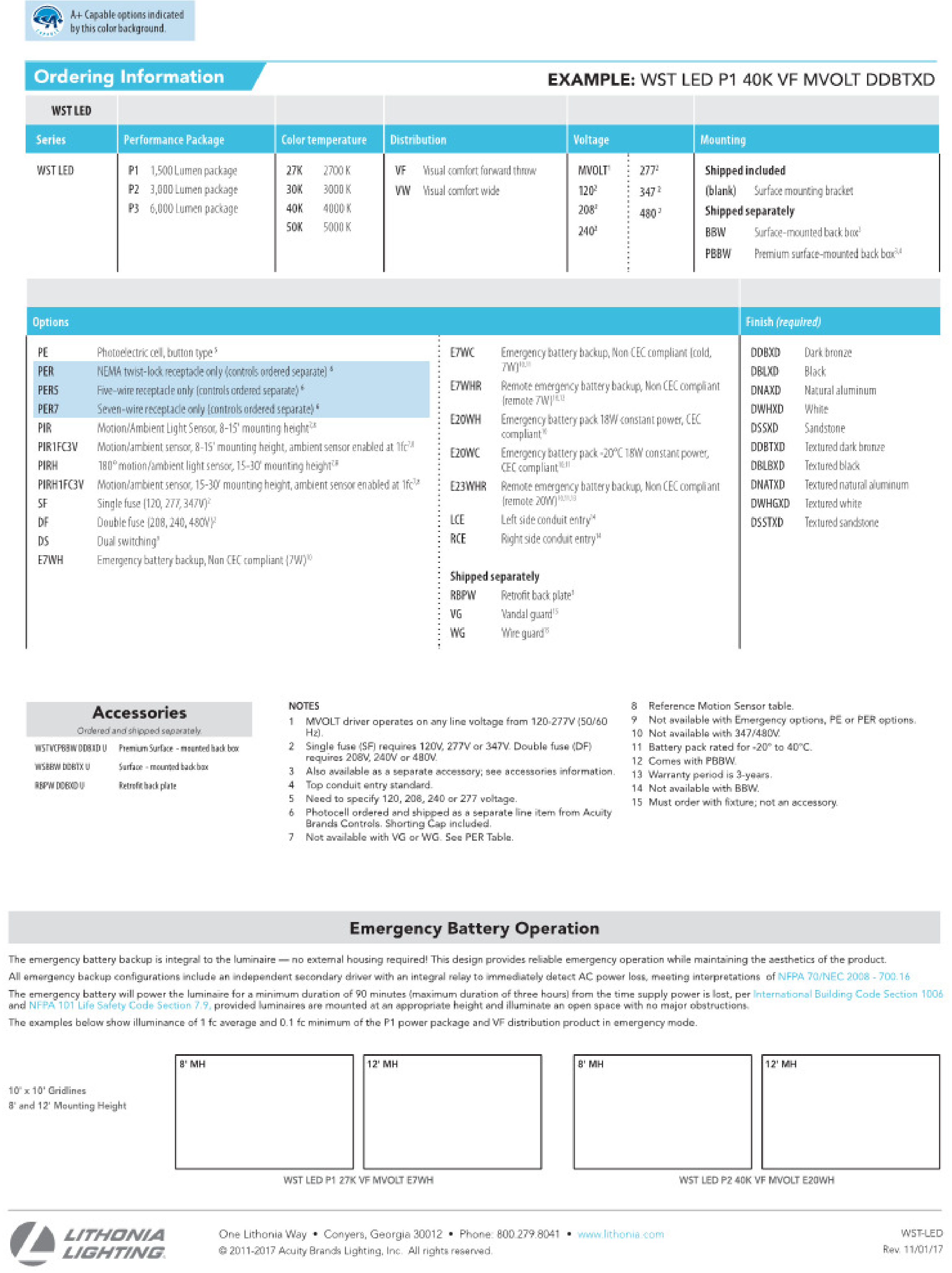
WST-LED
Rev. 11/01/17



A+ Capable options indicated by this color background.

Ordering Information

EXAMPLE: WST LED P1 40K VF MVOLT DDBTXD

Series	Performance Package	Color temperature	Distribution	Voltage	Mounting
WST LED	P1 1,500 Lumen package P2 3,000 Lumen package P3 6,000 Lumen package	27K 2700 K 30K 3000 K 40K 4000 K 50K 5000 K	VF Visual comfort forward throw VW Visual comfort wide	MVOLT[1] 120[2] 208[2] 240[2] 277[2] 347[2] 480[2]	**Shipped included** (blank) Surface mounting bracket **Shipped separately** BBW Surface-mounted back box[3] PBBW Premium surface-mounted back box[3,4]

Options

PE	Photoelectric cell, button type[5]
PER	NEMA twist-lock receptacle only (controls ordered separate)[6]
PER5	Five-wire receptacle only (controls ordered separate)[6]
PER7	Seven-wire receptacle only (controls ordered separate)[6]
PIR	Motion/Ambient Light Sensor, 8-15' mounting height[7,8]
PIR1FC3V	Motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc[7,8]
PIRH	180° motion/ambient light sensor, 15-30' mounting height[7,8]
PIRH1FC3V	Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc[7,8]
SF	Single fuse (120, 277, 347V)[2]
DF	Double fuse (208, 240, 480V)[2]
DS	Dual switching[9]
E7WH	Emergency battery backup, Non CEC compliant (7W)[10]
E7WC	Emergency battery backup, Non CEC compliant (cold, 7W)[10,11]
E7WHR	Remote emergency battery backup, Non CEC compliant (remote 7W)[10,12]
E20WH	Emergency battery pack 18W constant power, CEC compliant[10]
E20WC	Emergency battery pack -20°C 18W constant power, CEC compliant[10,11]
E23WHR	Remote emergency battery backup, Non CEC compliant (remote 20W)[10,12,13]
LCE	Left side conduit entry[14]
RCE	Right side conduit entry[14]
Shipped separately	
RBPW	Retrofit back plate[3]
VG	Vandal guard[15]
WG	Wire guard[15]

Finish *(required)*

DDBXD	Dark bronze
DBLXD	Black
DNAXD	Natural aluminum
DWHXD	White
DSSXD	Sandstone
DDBTXD	Textured dark bronze
DBLBXD	Textured black
DNATXD	Textured natural aluminum
DWHGXD	Textured white
DSSTXD	Textured sandstone

Accessories
Ordered and shipped separately.

WSTVCPBBW DDBXD U	Premium Surface - mounted back box
WSBBW DDBTX U	Surface - mounted back box
RBPW DDBXD U	Retrofit back plate

NOTES
1. MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
2. Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
3. Also available as a separate accessory; see accessories information.
4. Top conduit entry standard.
5. Need to specify 120, 208, 240 or 277 voltage.
6. Photocell ordered and shipped as a separate line item from Acuity Brands Controls. Shorting Cap included.
7. Not available with VG or WG. See PER Table.
8. Reference Motion Sensor table.
9. Not available with Emergency options, PE or PER options.
10. Not available with 347/480V.
11. Battery pack rated for -20° to 40°C.
12. Comes with PBBW.
13. Warranty period is 3-years.
14. Not available with BBW.
15. Must order with fixture; not an accessory.

Emergency Battery Operation

The emergency battery backup is integral to the luminaire — no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product.

All emergency backup configurations include an independent secondary driver with an integral relay to immediately detect AC power loss, meeting interpretations of NFPA 70/NEC 2008 - 700.16

The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time supply power is lost, per International Building Code Section 1006 and NFPA 101 Life Safety Code Section 7.9, provided luminaires are mounted at an appropriate height and illuminate an open space with no major obstructions.

The examples below show illuminance of 1 fc average and 0.1 fc minimum of the P1 power package and VF distribution product in emergency mode.

10' x 10' Gridlines
8' and 12' Mounting Height

WST LED P1 27K VF MVOLT E7WH
WST LED P2 40K VF MVOLT E20WH

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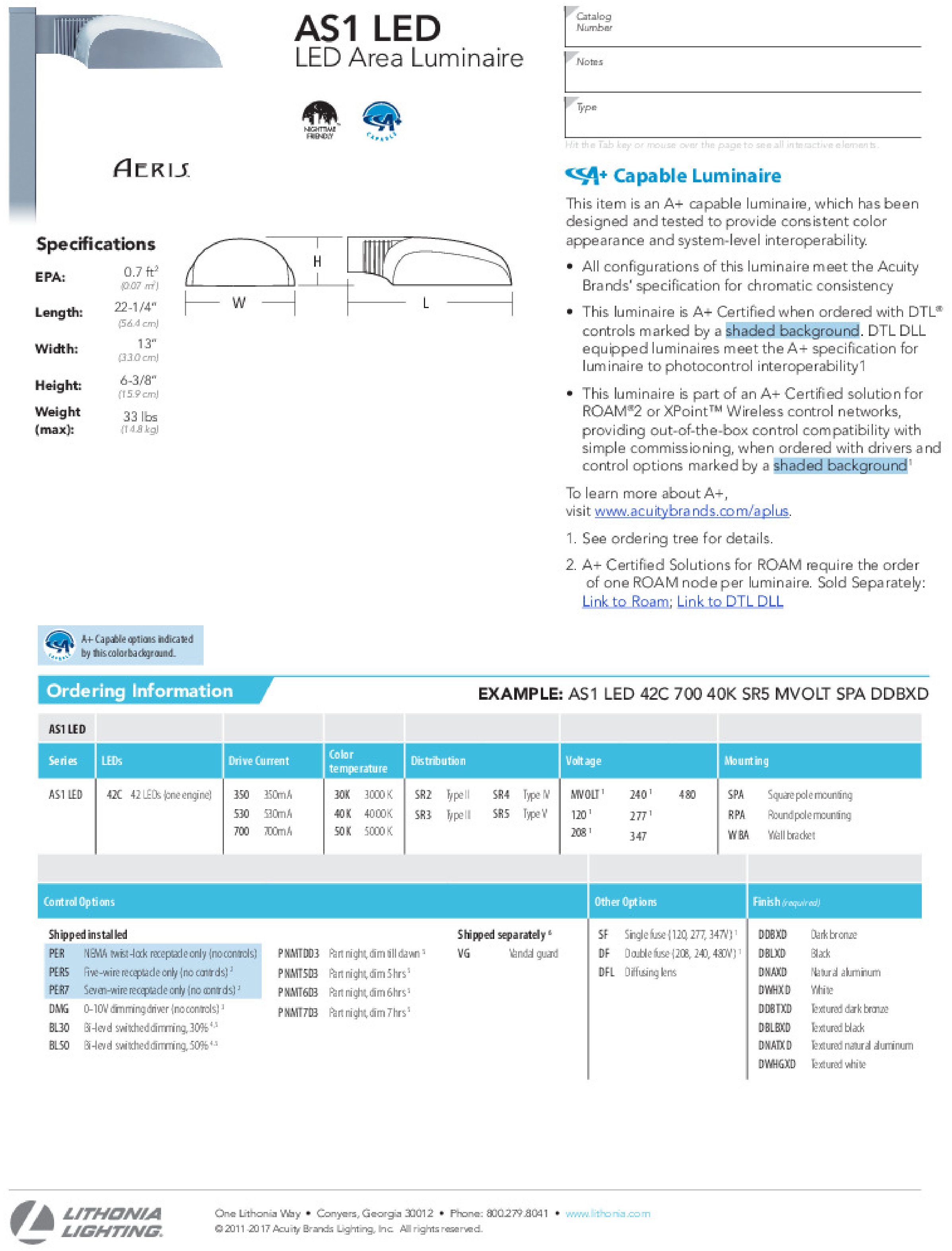
Fixture-W1



AS1 LED
LED Area Luminaire

AERIS

Catalog Number
Notes
Type

Hit the Tab key or mouse over the page to see all interactive elements.

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- This luminaire is part of an A+ Certified solution for ROAM®2 or XPoint™ Wireless control networks, providing out-of-the-box control compatibility with simple commissioning, when ordered with drivers and control options marked by a shaded background[1]

To learn more about A+,
visit www.acuitybrands.com/aplus.

1. See ordering tree for details.
2. A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire. Sold Separately: Link to Roam; Link to DTL DLL

Specifications

EPA:	0.7 ft² (0.07 m²)
Length:	22-1/4" (56.4 cm)
Width:	13" (33.0 cm)
Height:	6-3/8" (15.9 cm)
Weight (max):	33 lbs (14.8 kg)

A+ Capable options indicated by this color background.

Ordering Information

EXAMPLE: AS1 LED 42C 700 40K SR5 MVOLT SPA DDBXD

Series	LEDs	Drive Current	Color temperature	Distribution	Voltage	Mounting
AS1 LED	42C 42 LEDs (one engine)	350 350mA 530 530mA 700 700mA	30K 3000 K 40K 4000 K 50K 5000 K	SR2 Type II SR3 Type III SR4 Type IV SR5 Type V	MVOLT[1] 120[1] 208[1] 240[1] 277[1] 347 480	SPA Square pole mounting RPA Round pole mounting WBA Wall bracket

Control Options

Shipped installed	
PER	NEMA twist-lock receptacle only (no controls)
PER5	Five-wire receptacle only (no controls)[2]
PER7	Seven-wire receptacle only (no controls)[2]
DMG	0-10V dimming driver (no controls)[3]
BL30	Bi-level switched dimming, 30%[4,5]
BL50	Bi-level switched dimming, 50%[4,5]
PNMTDD3	Part night, dim till dawn[5]
PNMT5D3	Part night, dim 5 hrs[5]
PNMT6D3	Part night, dim 6 hrs[5]
PNMT7D3	Part night, dim 7 hrs[5]
Shipped separately[6]	
VG	Vandal guard

Other Options

SF	Single fuse (120, 277, 347V)[1]
DF	Double fuse (208, 240, 480V)[1]
DFL	Diffusing lens

Finish *(required)*

DDBXD	Dark bronze
DBLXD	Black
DNAXD	Natural aluminum
DWHXD	White
DDBTXD	Textured dark bronze
DBLBXD	Textured black
DNATXD	Textured natural aluminum
DWHGXD	Textured white

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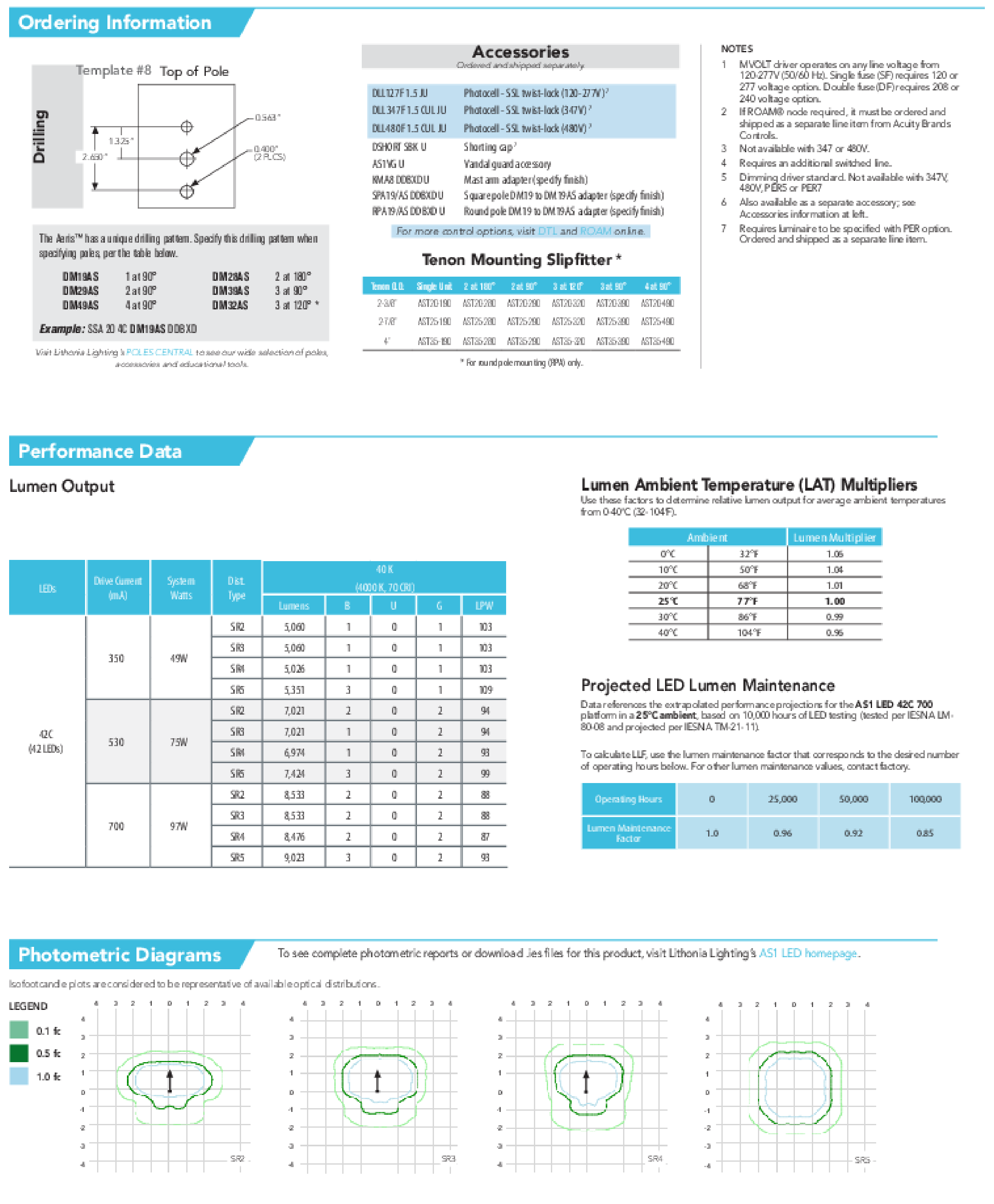

Ordering Information

Drilling

Template #8 Top of Pole

0.563"
0.400" (2 PLCS)
1.325"
2.650"

The Aeris™ has a unique drilling pattern. Specify this drilling pattern when specifying poles, per the table below.

DM19AS	1 at 90°	DM28AS	2 at 180°
DM29AS	2 at 90°	DM39AS	3 at 90°
DM49AS	4 at 90°	DM32AS	3 at 120° *

Example: SSA 20 4C DM19AS DDBXD

Visit Lithonia Lighting's POLES CENTRAL to see our wide selection of poles, accessories and educational tools.

Accessories
Ordered and shipped separately.

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V)[7]
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V)[7]
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V)[7]
DSHORT SBK U	Shorting cap[7]
AS1VG U	Vandal guard accessory
KMA8 DDBXD U	Mast arm adapter (specify finish)
SPA19/AS DDBXD U	Square pole DM19 to DM19AS adapter (specify finish)
RPA19/AS DDBXD U	Round pole DM19 to DM19AS adapter (specify finish)

For more control options, visit DTL and ROAM online.

Tenon Mounting Slipfitter *

Tenon O.D.	Single Unit	2 at 180°	2 at 90°	3 at 120°	3 at 90°	4 at 90°
2-3/8"	AST20-190	AST20-280	AST20-290	AST20-320	AST20-390	AST20-490
2-7/8"	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490
4"	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490

* For round pole mounting (RPA) only.

NOTES
1. MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Single fuse (SF) requires 120 or 277 voltage option. Double fuse (DF) requires 208 or 240 voltage option.
2. If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls.
3. Not available with 347 or 480V.
4. Requires an additional switched line.
5. Dimming driver standard. Not available with 347V, 480V, PER5 or PER7
6. Also available as a separate accessory; see Accessories information at left.
7. Requires luminaire to be specified with PER option. Ordered and shipped as a separate line item.

Performance Data

Lumen Output

LEDs	Drive Current (mA)	System Watts	Dist. Type	40K (4000 K, 70 CRI) Lumens	B	U	G	LPW
42C (42 LEDs)	350	49W	SR2	5,060	1	0	1	103
			SR3	5,060	1	0	1	103
			SR4	5,026	1	0	1	103
			SR5	5,351	3	0	1	109
	530	75W	SR2	7,021	2	0	2	94
			SR3	7,021	1	0	2	94
			SR4	6,974	1	0	2	93
			SR5	7,424	3	0	2	99
	700	97W	SR2	8,533	2	0	2	88
			SR3	8,533	2	0	2	88
			SR4	8,476	2	0	2	87
			SR5	9,023	3	0	2	93

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.06
10°C	50°F	1.04
20°C	68°F	1.01
25°C	**77°F**	**1.00**
30°C	86°F	0.99
40°C	104°F	0.96

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the **AS1 LED 42C 700** platform in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	0.96	0.92	0.85

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's AS1 LED homepage.

Isofootcandle plots are considered to be representative of available optical distributions.

LEGEND
- 0.1 fc
- 0.5 fc
- 1.0 fc

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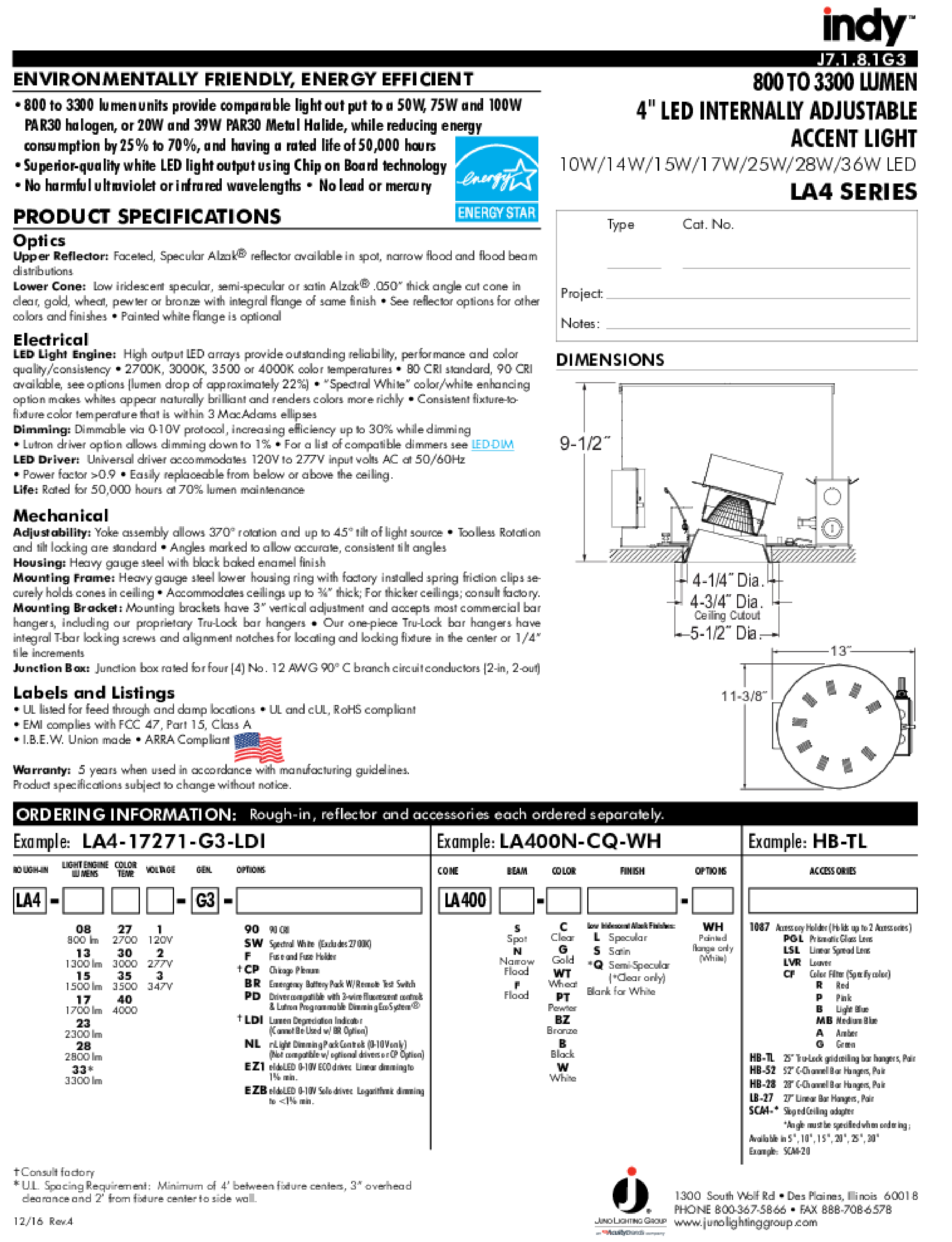
AS1-LED
Rev. 02/08/17

Fixture-P1 & P2



indy™

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800 TO 3300 LUMEN
4" LED INTERNALLY ADJUSTABLE ACCENT LIGHT
10W/14W/15W/17W/25W/28W/36W LED
LA4 SERIES

Type Cat. No.
Project:
Notes:

ENVIRONMENTALLY FRIENDLY, ENERGY EFFICIENT

- 800 to 3300 lumen units provide comparable light output to a 50W, 75W and 100W PAR30 halogen, or 20W and 39W PAR30 Metal Halide, while reducing energy consumption by 25% to 70%, and having a rated life of 50,000 hours
- Superior-quality white LED light output using Chip on Board technology
- No harmful ultraviolet or infrared wavelengths • No lead or mercury

ENERGY STAR

PRODUCT SPECIFICATIONS

Optics
Upper Reflector: Faceted, Specular Alzak® reflector available in spot, narrow flood and flood beam distributions
Lower Cone: Low iridescent specular, semi-specular or satin Alzak® .050" thick angle cut cone in clear, gold, wheat, pewter or bronze with integral flange of same finish • See reflector options for other colors and finishes • Painted white flange is optional

Electrical
LED Light Engine: High output LED arrays provide outstanding reliability, performance and color quality/consistency • 2700K, 3000K, 3500 or 4000K color temperatures • 80 CRI standard, 90 CRI available, see options (lumen drop of approximately 22%) • "Spectral White" color/white enhancing option makes whites appear naturally brilliant and renders colors more richly • Consistent fixture-to-fixture color temperature that is within 3 MacAdams ellipses
Dimming: Dimmable via 0-10V protocol, increasing efficiency up to 30% while dimming • Lutron driver option allows dimming down to 1% • For a list of compatible dimmers see LED-DIM
LED Driver: Universal driver accommodates 120V to 277V input volts AC at 50/60Hz • Power factor >0.9 • Easily replaceable from below or above the ceiling.
Life: Rated for 50,000 hours at 70% lumen maintenance

Mechanical
Adjustability: Yoke assembly allows 370° rotation and up to 45° tilt of light source • Toolless Rotation and tilt locking are standard • Angles marked to allow accurate, consistent tilt angles
Housing: Heavy gauge steel with black baked enamel finish
Mounting Frame: Heavy gauge steel lower housing ring with factory installed spring friction clips securely holds cones in ceiling • Accommodates ceilings up to ¾" thick; For thicker ceilings; consult factory.
Mounting Bracket: Mounting brackets have 3" vertical adjustment and accepts most commercial bar hangers, including our proprietary Tru-Lock bar hangers • Our one-piece Tru-Lock bar hangers have integral T-bar locking screws and alignment notches for locating and locking fixture in the center or 1/4" tile increments
Junction Box: Junction box rated for four (4) No. 12 AWG 90° C branch circuit conductors (2-in, 2-out)

Labels and Listings
- UL listed for feed through and damp locations • UL and cUL, RoHS compliant
- EMI complies with FCC 47, Part 15, Class A
- I.B.E.W. Union made • ARRA Compliant

Warranty: 5 years when used in accordance with manufacturing guidelines.
Product specifications subject to change without notice.

DIMENSIONS

ORDERING INFORMATION: Rough-in, reflector and accessories each ordered separately.

Example: LA4-17271-G3-LDI

ROUGH-IN: LA4 – LIGHT ENGINE LUMENS – COLOR TEMP – VOLTAGE – GEN.: G3 – OPTIONS

Light Engine Lumens	Color Temp	Voltage
08 800 lm	27 2700	1 120V
13 1300 lm	30 3000	2 277V
15 1500 lm	35 3500	3 347V
17 1700 lm	40 4000	
23 2300 lm		
28 2800 lm		
33* 3300 lm		

OPTIONS

90	90 CRI
SW	Spectral White (Excludes 2700K)
F	Fuse and Fuse Holder
†CP	Chicago Plenum
BR	Emergency Battery Pack W/Remote Test Switch
PD	Driver compatible with 3-wire fluorescent controls & Lutron Programmable Dimming EcoSystem®
†LDI	Lumen Depreciation Indicator (Cannot Be Used w/ BR Option)
NL	nLight Dimming Pack Controls (0-10V only) (Not compatible w/ optional drivers or CP Option)
EZ1	eldoLED 0-10V ECO driver. Linear dimming to 1% min.
EZB	eldoLED 0-10V Solo driver. Logarithmic dimming to <1% min.

Example: LA400N-CQ-WH

CONE: LA400 – BEAM – COLOR – FINISH – OPTIONS

Beam	Color	Finish	Options
S Spot	C Clear	Low Iridescent Alzak Finishes:	WH Painted flange only (White)
N Narrow Flood	G Gold	L Specular	
F Flood	WT Wheat	S Satin	
	PT Pewter	*Q Semi-Specular (*Clear only)	
	BZ Bronze	Blank for White	
	B Black		
	W White		

Example: HB-TL

ACCESSORIES

1087	Accessory Holder (Holds up to 2 Accessories)
PGL	Prismatic Glass Lens
LSL	Linear Spread Lens
LVR	Louver
CF	Color Filter (Specify color)
R	Red
P	Pink
B	Light Blue
MB	Medium Blue
A	Amber
G	Green
HB-TL	25" Tru-Lock grid ceiling bar hangers, Pair
HB-52	52" C-Channel Bar Hangers, Pair
HB-28	28" C-Channel Bar Hangers, Pair
LB-27	27" Linear Bar Hangers, Pair
SCA4-*	Sloped Ceiling adapter

*Angle must be specified when ordering; Available in 5°, 10°, 15°, 20°, 25°, 30°
Example: SCA4-20

†Consult factory
*U.L. Spacing Requirement: Minimum of 4' between fixture centers, 3" overhead clearance and 2' from fixture center to side wall.

12/16 Rev.4

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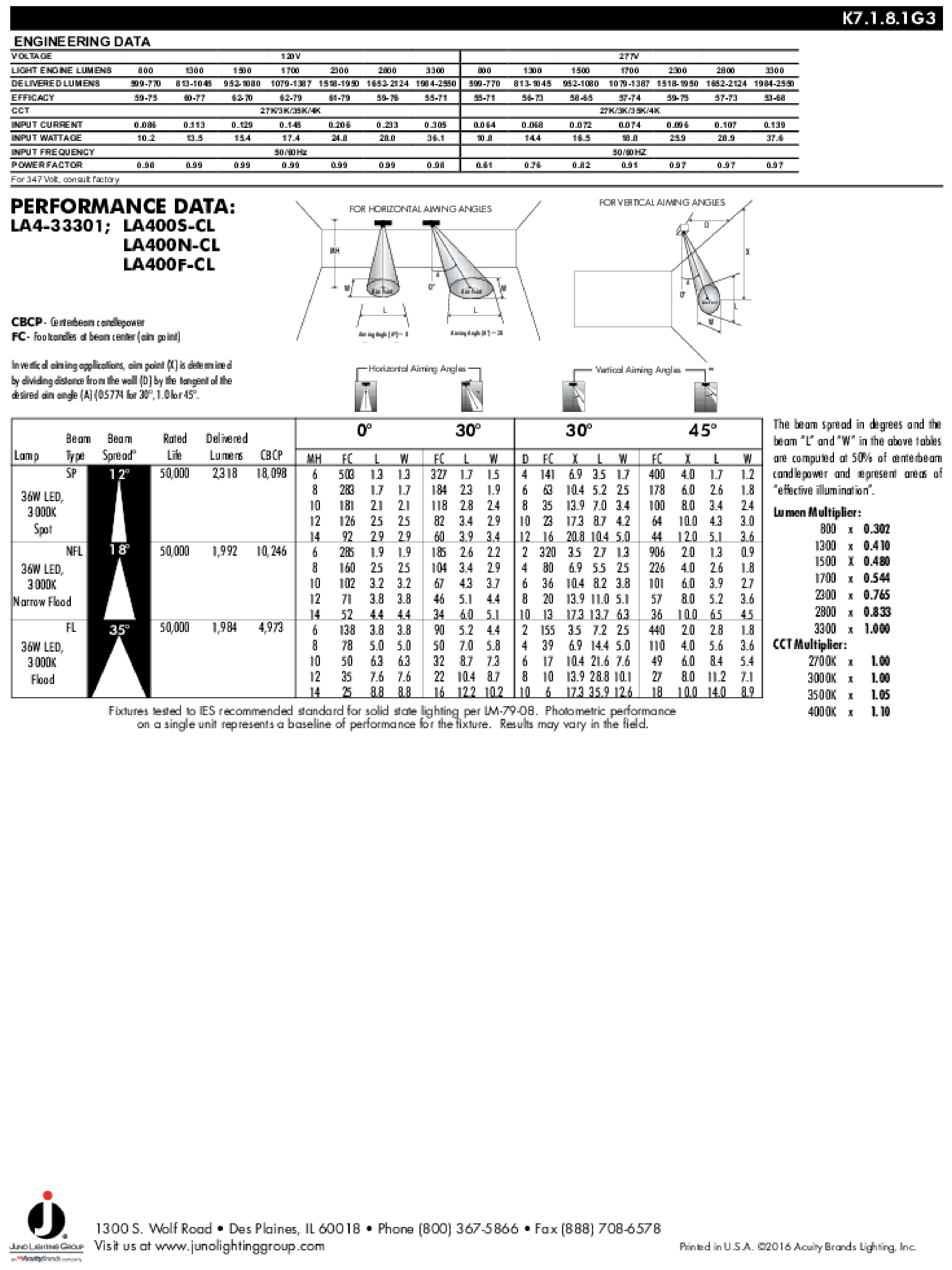

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ENGINEERING DATA

VOLTAGE	120V							277V						
LIGHT ENGINE LUMENS	800	1300	1500	1700	2300	2800	3300	800	1300	1500	1700	2300	2800	3300
DELIVERED LUMENS	599-770	813-1045	952-1080	1079-1387	1518-1950	1652-2124	1984-2550	599-770	813-1045	952-1080	1079-1387	1518-1950	1652-2124	1984-2550
EFFICACY	59-75	60-77	62-70	62-79	61-79	59-76	55-71	55-71	56-73	58-65	57-74	59-75	57-73	53-68
CCT	27K/3K/35K/4K							27K/3K/35K/4K						
INPUT CURRENT	0.086	0.113	0.129	0.145	0.206	0.233	0.305	0.064	0.068	0.072	0.074	0.096	0.107	0.139
INPUT WATTAGE	10.2	13.5	15.4	17.4	24.8	28.0	36.1	10.8	14.4	16.5	18.8	25.9	28.9	37.6
INPUT FREQUENCY	50/60Hz							50/60HZ						
POWER FACTOR	0.98	0.99	0.99	0.99	0.99	0.99	0.98	0.61	0.76	0.82	0.91	0.97	0.97	0.97

For 347 Volt, consult factory

PERFORMANCE DATA:
LA4-33301; LA400S-CL
LA400N-CL
LA400F-CL

CBCP- Centerbeam candlepower
FC- Footcandles at beam center (aim point)

In vertical aiming applications, aim point (X) is determined by dividing distance from the wall (D) by the tangent of the desired aim angle (A) (0.5774 for 30°, 1.0 for 45°.

Lamp	Beam Type	Beam Spread°	Rated Life	Delivered Lumens	CBCP	0° MH	0° FC	0° L	0° W	30° FC	30° L	30° W	30° D	30° FC	30° X	30° L	30° W	45° FC	45° X	45° L	45° W
36W LED, 3000K Spot	SP	12°	50,000	2,318	18,098	6	503	1.3	1.3	327	1.7	1.5	4	141	6.9	3.5	1.7	400	4.0	1.7	1.2
						8	283	1.7	1.7	184	2.3	1.9	6	63	10.4	5.2	2.5	178	6.0	2.6	1.8
						10	181	2.1	2.1	118	2.8	2.4	8	35	13.9	7.0	3.4	100	8.0	3.4	2.4
						12	126	2.5	2.5	82	3.4	2.9	10	23	17.3	8.7	4.2	64	10.0	4.3	3.0
						14	92	2.9	2.9	60	3.9	3.4	12	16	20.8	10.4	5.0	44	12.0	5.1	3.6
36W LED, 3000K Narrow Flood	NFL	18°	50,000	1,992	10,246	6	285	1.9	1.9	185	2.6	2.2	2	320	3.5	2.7	1.3	906	2.0	1.3	0.9
						8	160	2.5	2.5	104	3.4	2.9	4	80	6.9	5.5	2.5	226	4.0	2.6	1.8
						10	102	3.2	3.2	67	4.3	3.7	6	36	10.4	8.2	3.8	101	6.0	3.9	2.7
						12	71	3.8	3.8	46	5.1	4.4	8	20	13.9	11.0	5.1	57	8.0	5.2	3.6
						14	52	4.4	4.4	34	6.0	5.1	10	13	17.3	13.7	6.3	36	10.0	6.5	4.5
36W LED, 3000K Flood	FL	35°	50,000	1,984	4,973	6	138	3.8	3.8	90	5.2	4.4	2	155	3.5	7.2	2.5	440	2.0	2.8	1.8
						8	78	5.0	5.0	50	7.0	5.8	4	39	6.9	14.4	5.0	110	4.0	5.6	3.6
						10	50	6.3	6.3	32	8.7	7.3	6	17	10.4	21.6	7.6	49	6.0	8.4	5.4
						12	35	7.6	7.6	22	10.4	8.7	8	10	13.9	28.8	10.1	27	8.0	11.2	7.1
						14	25	8.8	8.8	16	12.2	10.2	10	6	17.3	35.9	12.6	18	10.0	14.0	8.9

The beam spread in degrees and the beam "L" and "W" in the above tables are computed at 50% of centerbeam candlepower and represent areas of "effective illumination".

Lumen Multiplier:
800 x 0.302
1300 x 0.410
1500 X 0.480
1700 x 0.544
2300 x 0.765
2800 x 0.833
3300 x 1.000

CCT Multiplier:
2700K x 1.00
3000K x 1.00
3500K x 1.05
4000K x 1.10

Fixtures tested to IES recommended standard for solid state lighting per LM-79-08. Photometric performance on a single unit represents a baseline of performance for the fixture. Results may vary in the field.

JUNO LIGHTING GROUP an Acuity Brands company
1300 S. Wolf Road • Des Plaines, IL 60018 • Phone (800) 367-5866 • Fax (888) 708-6578
Visit us at www.junolightinggroup.com
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Fixture-SF

SCOTT MURRAY
LAND PLANNING, INC.
Landscape Architecture | Environmental Design | Project Management

Project:

Tarheel Lodging Redevelopment

Developer:

Tarheel Lodging, LLC
and
Unicorn Group
Fifteen, LLC
6110 Falconbridge Rd. Ste. 200
Chapel Hill, NC 27517

Sheet Title:

Lighting Details

No.	Date:	Issue Notes:

Design Firm:
Scott Murray Land Planning, Inc.
274 Botetourt Ct. Boydton, VA 23917
1450 Environ Way Chapel Hill, NC 27517
252-213-9501 434-689-2925 (fax)
www. stmlandplan.com
smurray@stmlandplan.com

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Scale:

Date:
Oct. 13, 2018

Drawn & Checked By:
STM

Surveyed.:

CS2404
of

LED garden and pathway bollard

Post construction: One piece extruded aluminum. All aluminum in the construction is marine grade and copper free.

Lamp Enclosure: One piece die cast aluminum housing attached to post by two (2) stainless steel set screws. Matte safety glass lens. Fully gasketed using a one piece molded silicone gasket.

Electrical: 2.1W LED luminaire, 3.4 total system watts, -30°C start temperature. Integral 12V AC driver provided must be operated using remote magnetic transformer. Standard LED color temperature is 3000K with a >90 CRI.

Note: LEDs supplied with luminaire. Due to the dynamic nature of LED technology, LED luminaire data on this sheet is subject to change at the discretion of BEGA-US. For the most current technical data, please refer to www.bega-us.com.

Anchor base: Anchor post provided made of galvanized steel. Bollards are secured to post using two (2) stainless steel set screws.

Finish: Available in four standard BEGA colors: Black (BLK); White (WHT); Bronze (BRZ); Silver (SLV). To specify, add appropriate suffix to catalog number. Custom colors supplied on special order.

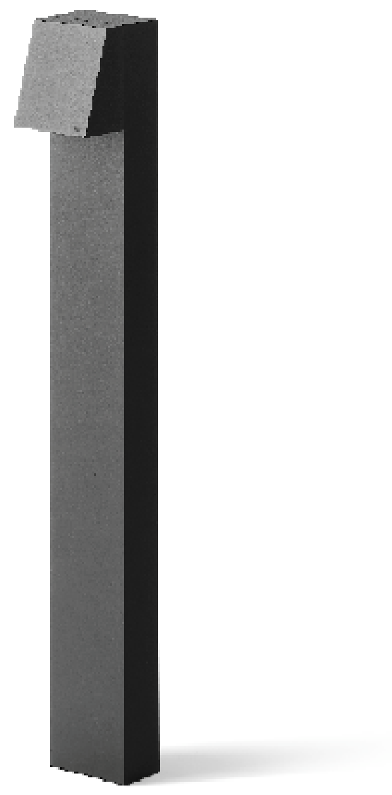
Please note: BEGA's approach to product design is to innovate, not follow. With a steadfast commitment to quality, each product is conceived to satisfy a general or specific lighting task as defined by its architectural or exterior surroundings. The Home and Garden Collection is designed specifically for use in Residential and Light Commercial applications. Please reference our standard BEGA portfolio when mounting provisions for the rigorous demands of high-use commercial and/or vandal prone settings are required.

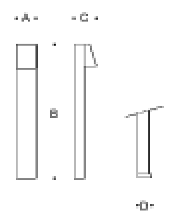
CSA certified to U.S. and Canadian standards, suitable for wet locations. Protection class IP65

Weight: 6.3 lbs.

Luminaire Lumens: 136

Type: Bollard
BEGA Product: 77237
Project: The Wade
Voltage: 12v
Color: Black
Options: none
Modified: n/a





		Lamp	A	B	C	D
77 237	with direct burial anchorage	2.1W LED	3½	27½	4⅛	-

BEGA 1000 BEGA Way, Carpinteria, CA 93013 (805) 684-0533 FAX (805) 566-9474 www.bega-us.com

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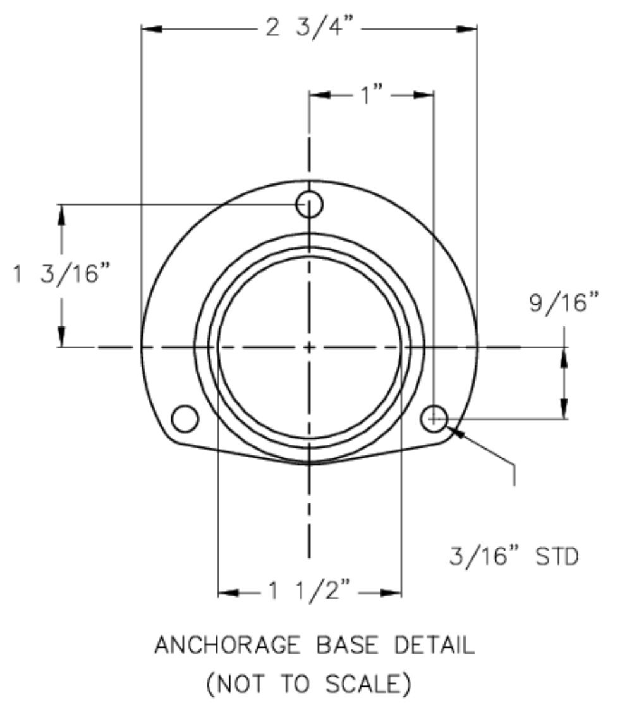
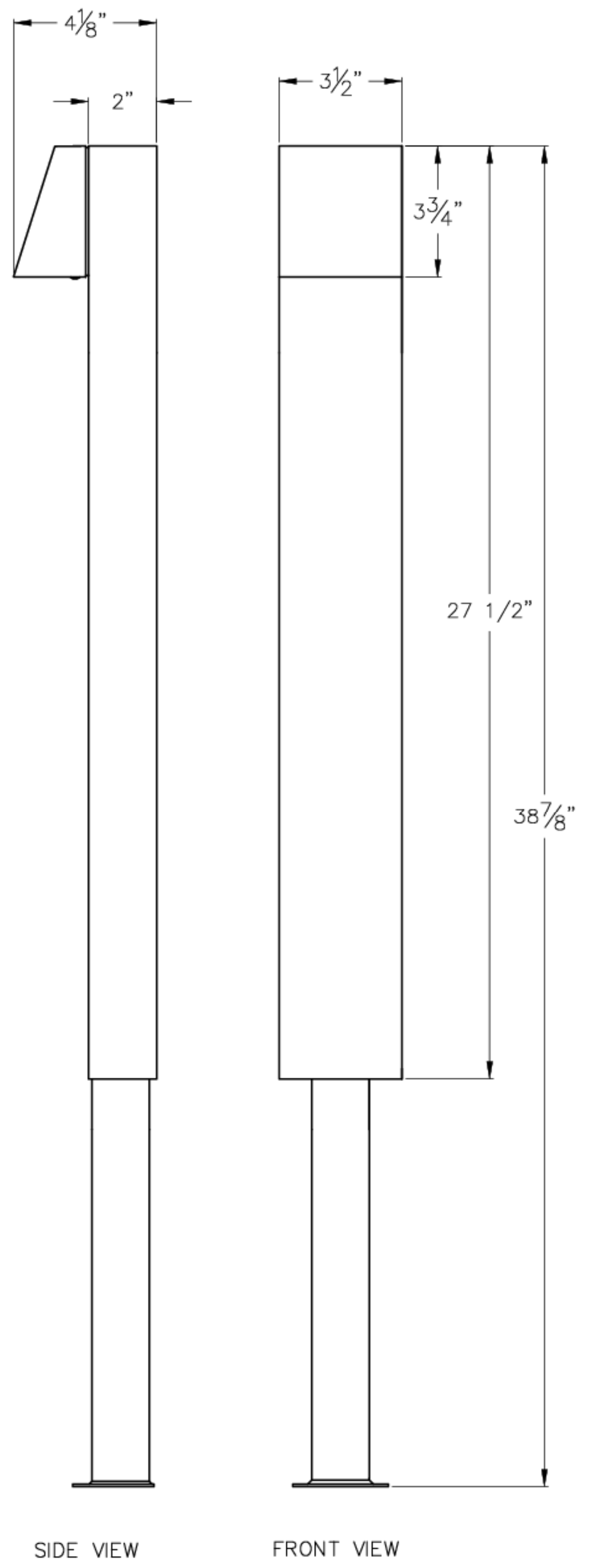
1. LUMINAIRE # 77 237 – SEE SPECIFICATIONS



ANCHORAGE BASE DETAIL
(NOT TO SCALE)



Fixture-B

TYPE: ______________

SUBMITTAL APPROVAL	CAT NO.: 77 237	**BEGA**
APPROVED BY: ______________	PROJECT:	
SIGNED: DATE:	LOCATION:	1000 Bega Way Carpinteria, Ca. 93013 (805) 684-0533
REV. / DATE / DESCRIPTION	DRAWN: AV DATE: 8/5/15 File Name: 77237.dxf	

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LITHONIA LIGHTING®

Catalog Number

Notes

Type

FEATURES & SPECIFICATIONS

INTENDED USE

Provides years of maintenance-free illumination for outdoor use in residential & commercial applications. Ideal for applications such as lighting walkways and stairways for safety and security.

CONSTRUCTION

Cast-aluminum housing with corrosion-resistant paint in either dark bronze or white finish.

ADA compliant.

OPTICS

4000K CCT LEDs.

Polycarbonate lens protects the LED from moisture, dirt and other contaminants.

LUMEN MAINTENANCE: The LED will deliver 70% of its initial lumens at 50,000 hour average LED life. See Lighting Facts label on page 2 for performance details.

ELECTRICAL

MVOLT driver operates on any line voltage from 120-277V

Operating temperature -30ºC to 40ºC.

1KV surge protection standard.

INSTALLATION

Surface mounts to universal junction box (provided by others).

LISTINGS

UL Listed to U.S. and Canadian safety standards for wet locations.

Tested in accordance with IESNA LM-79 and LM-80 standards.

WARRANTY

Five-year limited warranty. Full warranty terms located at www.AcuityBrands.com/CustomerResources/Terms_and_Conditions.aspx.

Note: Specifications are subject to change without notice.

Actual performance may differ as a result of end-user environment and application.

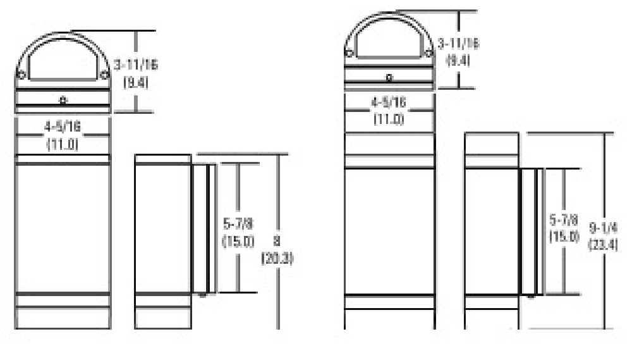
Outdoor General Purpose

OLLWD & OLLWU

LED WALL CYLINDER LIGHT

Specifications

All dimensions are inches (centimeters)



ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Example: OLLWD

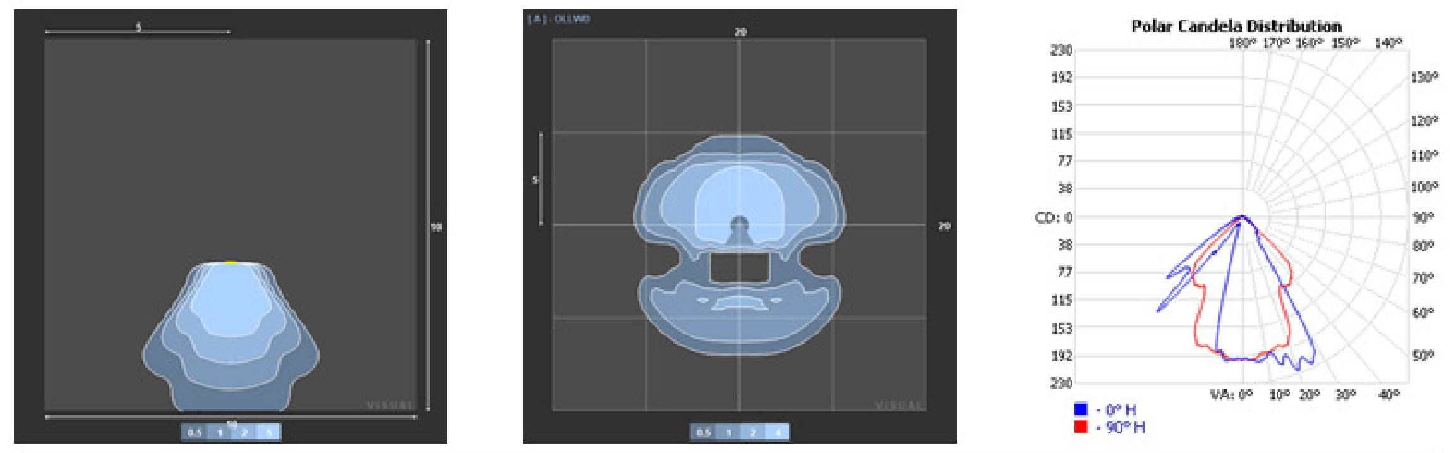
Series	Color temperature (CCT)	Voltage	Finish
OLLWD Downlight **OLLWU** Up & downlight	**(blank)** 4000K	**(blank)** MVOLT (120V-277V)	**DDB** Dark bronze **WH** White

OLLWD & OLLWU LED Wall Cylinder Light

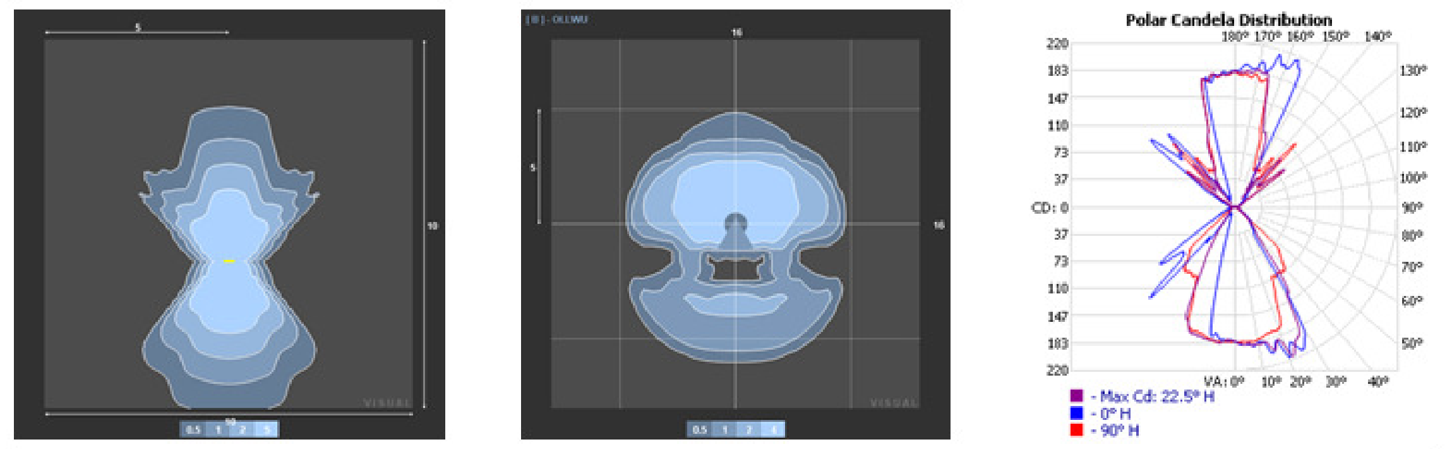
PHOTOMETRICS

To see complete photometric reports or download .ies files for this product,visit Lithonia Lighting's Outdoor LED homepage
Tested in accordance with IESNA LM-79 and LM-80 standards.

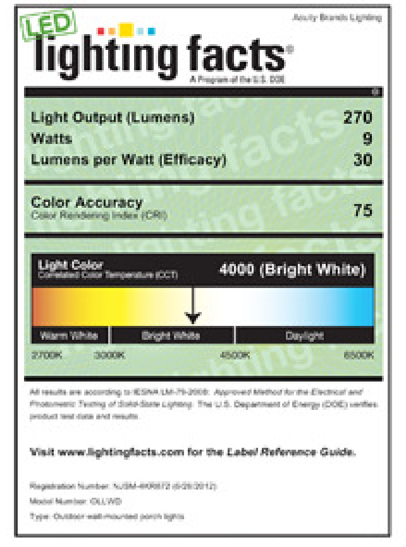
OLLWD



OLLWU



OLLWD



LED lighting facts® A Program of the U.S. DOE — Acuity Brands Lighting

Light Output (Lumens)	270
Watts	9
Lumens per Watt (Efficacy)	30
Color Accuracy Color Rendering Index (CRI)	75
Light Color Correlated Color Temperature (CCT)	4000 (Bright White)

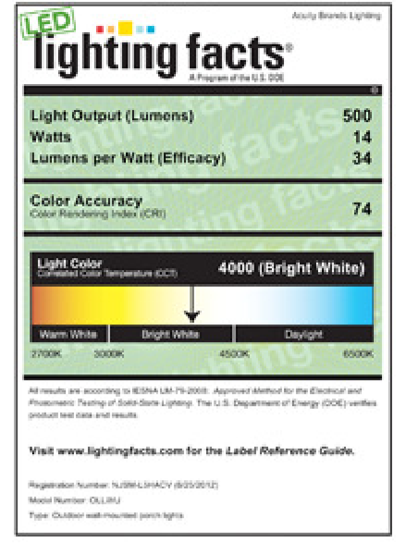
Warm White · Bright White · Daylight
2700K 3000K 4500K 6500K

All results are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the *Label Reference Guide.*

Registration Number: [illegible]
Model Number: OLLWD
Type: Outdoor wall-mounted porch lights

OLLWU



LED lighting facts® A Program of the U.S. DOE — Acuity Brands Lighting

Light Output (Lumens)	500
Watts	14
Lumens per Watt (Efficacy)	34
Color Accuracy Color Rendering Index (CRI)	74
Light Color Correlated Color Temperature (CCT)	4000 (Bright White)

Warm White · Bright White · Daylight
2700K 3000K 4500K 6500K

All results are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the *Label Reference Guide.*

Registration Number: [illegible]
Model Number: OLLWU
Type: Outdoor wall-mounted porch lights

LITHONIA LIGHTING® An AcuityBrands Company

Fixture-P1 & P2

LITHONIA LIGHTING®

Catalog Number

Notes

Type

FEATURES & SPECIFICATIONS

INTENDED USE — The CLX is a linear lighting solution that is available in multiple lengths, lumen packages and distributions. Designed for versatility, the CLX can address virtually any indoor lighting need. The CLX is also offered in standard and high efficacy configurations and capable of being continuous row mounted or installed as a stand-alone fixture. Ideal for uplight and downlight in commercial, retail, manufacturing, warehouse, and display applications. **Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate.** Click here for Acrylic-Polycarbonate Compatibility table for suitable uses.

CONSTRUCTION — Channel and cover are formed from code-gauge cold-rolled steel. Housing and lens endcaps are injection molded plastic to provide a more architectural look and feel. The endcaps come standard with a 7/8" knockout for continuous mounting but can be ordered without.

Finish: Paint options include high-gloss, baked white polyester (WH), galvanized (GALV), matte black (MB) and smoke gray (SKGY). Five-stage iron phosphate pre-treatment ensures superior paint adhesion and rust resistance.

OPTICS — Offered with acrylic lens and less lens configurations. Provides a choice of optical distributions including, wide, narrow, and aisle.

ELECTRICAL — Utilizes high-output LEDs integrated on a two-layer circuit board, ensuring cool-running operation. Optional internal pluggable wiring harness for reduced labor cost in row mounting applications. (See PLR_ ordering information on page 15.) Electronic LED driver is multi-volt input and 0-10V dimming standard (see Operational Data on page 12 for actual wattage consumption). This fixture is designed to withstand a maximum line surge of 2.5kV at 0.75kA combination wave for indoor locations, for applications requiring higher level of protection additional surge protection must be provided.

L70>100,000 hours at 25˚C.

LEDs provide nominal 80 CRI or 90CRI at 3000 K, 3500 K, 4000 K, or 5000 K.

Lumen output up to 2,500 lumens per foot.

INSTALLATION — Fixture may be ceiling or wall mounted (with or without THCLX hanger or angle mounted with CLXANGBRT), pendant or stem mounted with appropiate mounting options.

LISTINGS — CSA certified to US and Canadian safety standards. For use in damp locations between -4°F (-20°C) and 104°F (40°C). Optional High Ambient (HA) ranging to 122°F(50°C) available on certain lumen packages (See ambient temperature chart for additional information).
DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

WARRANTY — 5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

LED Linear

CLX

24", 36", 48" and 96" Lengths

Flat Diffuse Lens

Round Diffuse Lens

Wide Diffuse Lens

Stock configurations are offered for shorter lead times:

Stock Part Number	UPC	DLC QPL Product ID	DLC Premium
CLXL48 3000LM SEF FDL MVOLT GZ10 40K 80CRI WH	00191723525816	PIANKZR4	Yes
CLXL48 3000LM SEF FDL MVOLT GZ10 50K 80CRI WH	00191723525885	PKW32VKL	Yes
CLXL48 5000LM SEF FDL MVOLT GZ10 40K 80CRI WH	00191723525939	P7718Z20	Yes
CLXL48 5000LM SEF FDL MVOLT GZ10 50K 80CRI WH	00191723525908	P8A42C1H	Yes
CLXL96 6000LM SEF FDL MVOLT GZ10 40K 80CRI WH	00191723525861	PPFTGRBV	Yes
CLXL96 6000LM SEF FDL MVOLT GZ10 50K 80CRI WH	00191723525915	PW6250TE	Yes
CLXL96 10000LM SEF FDL MVOLT GZ10 40K 80CRI WH	00191723525922	PYK0C7EW	Yes
CLXL96 10000LM SEF FDL MVOLT GZ10 50K 80CRI WH	00191723525830	PKYPL35K	Yes
CLXL48 3000LM SEF RDL MVOLT GZ10 40K 80CRI WH	00191723525960	PIANKZR4	Yes
CLXL48 3000LM SEF RDL MVOLT GZ10 50K 80CRI WH	00191723525892	PKW32VKL	Yes
CLXL48 5000LM SEF RDL MVOLT GZ10 40K 80CRI WH	00191723525854	P7718Z20	Yes
CLXL48 5000LM SEF RDL MVOLT GZ10 50K 80CRI WH	00191723525946	P8A42C1H	Yes
CLXL96 6000LM SEF RDL MVOLT GZ10 40K 80CRI WH	00191723525878	PPFTGRBV	Yes
CLXL96 6000LM SEF RDL MVOLT GZ10 50K 80CRI WH	00191723525823	PD0SSIAD	Yes
CLXL96 10000LM SEF RDL MVOLT GZ10 40K 80CR WH	00191723525953	PYK0C7EW	Yes
CLXL96 10000LM SEF RDL MVOLT GZ10 50K 80CRI WH	00191723525847	PKYPL35K	Yes

A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® or XPoint™ Wireless control networks marked by a shaded background*

To learn more about A+, visit www.acuitybrands.com/aplus.

*See ordering tree for details

KACM LED

LED Surface Luminaire

Catalog Number

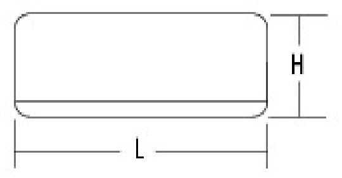
Notes

Type

Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

Length:	17-1/2" (44.5 cm)
Width:	17-1/2" (44.5 cm)
Height:	7-1/8" (18.1 cm)
Weight (max):	36 lbs. (16.4 kg)



Introduction

The Contour® Series luminaires offer traditional square dayforms with softened edges for a versatile look that complements many applications.

The KACM LED combines the latest in LED technology with the familiar aesthetic of the Contour® Series for stylish, high-performance illumination that lasts. It is ideal for replacing 100-400W metal halide in surface/canopy lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

Ordering Information

EXAMPLE: KACM LED 60C 700 50K R5 MVOLT SRM DDBXD

Series	LEDs	Drive current	Color Temp[7]	Distribution	Voltage	Mounting
KACM LED	20C[1] 30C[1] 40C 60C	530[1] 530mA 700 700mA	30K 3000K 40K 4000K 50K 5000K	R2 Type I R3 Type II R4 Type IV R5 Type V R5VS Type V very short	MVOLT[2,3] 120[2,3] 277[3] 208[3,3] 347[1,3] 240[3,3] 480[1,3]	**Shipped installed** SRM Surface mount TC Through-wire conduit tee (Provided by others) **Shipped separately**[4] YK Yoke/trunnion mount

Options

Shipped installed
SF Single fuse (120, 277, 347V)[2]
DF Double fuse (208, 240, 480V)[2]
PIR Ambient/motion sensor, 8-15' mounting height[3,5,6]
PIRH Ambient/motion sensor, 15-30' mounting height[3,5,6]
PIR3FC3V Motion/ambient sensor for 8-15' mounting heights and for typical applications requiring daylight harvesting and Title 24 compliance[3,5,6,7]
PIRH3FC3V Motion/ambient sensor for 15-30' mounting heights and typical applications requiring daylight harvesting and Title 24 compliance[3,5,6,7]
BL30 Bi-level switched dimming 30%[3,8,9,10]
BL50 Bi-level switched dimming 50%[3,8,9,10]
HS Houseside shield

Shipped separately[4]
WG Wire guard

Finish *(required)*
DDBXD Dark bronze
DBLXD Black
DNAXD Natural aluminum
DWHXD White
DDBTXD Textured dark bronze
DBLBXD Textured black
DNATXD Textured natural aluminum
DWHGXD Textured white

Accessories
Ordered and shipped separately.

KACMYK DDBXD U	Yoke/trunnion accessory (specify finish)
KACWG U	Wire guard accessory

NOTES
1 20C or 30C LED are not available with 530 Drive current and 347V or 480V.
2 MVOLT driver operates on any line voltage from 120-277V (50/60Hz). Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option.
3 Any PIRx with BL30, BL50 or PNMT, is not available with 208V, 240V, 347V, 480V or MVOLT. It is only available in 120V or 277V specified.
4 Also available as a separate accessory; see Accessories information at left.
5 PIR & PIR3FC3V specifies the Acuity Controls SBGR 10ODP motion/ambient sensor, the PIRH & PIRH3FC3V specifies the Acuity Controls SBGR 6 ODP motion/ambient sensor.
6 Reference Motion Sensor table.
7 PIR3FC3V and PIRH3FC3V are not available with bi-level, PIN, or DCR. They all use the "DCM" module which requires the low voltage OEX motion sensor that only senses motion.
8 Requires an additional switched circuit.
9 Dimming driver standard. MVOLT only.
10 Not available with PIR3FC3V and PIRH3FC3V.

LITHONIA LIGHTING.

Fixture-CLX & KACM-LED

SCOTT MURRAY
LAND PLANNING, INC.
Landscape Architecture | Environmental Design | Project Management

Project:

Tarheel Lodging
Redevelopment

Developer:

Tarheel Lodging, LLC
and
Unicorn Group
Fifteen, LLC
6110 Falconbridge Rd. Ste. 200
Chapel Hill, NC 27517

Sheet Title:

Lighting
Details

No.	Date:	Issue Notes:

Design Firm:
Scott Murray Land Planning, Inc.
274 Botetourt Ct. Boydton, VA 23917
1450 Environ Way Chapel Hill, NC 27517
252-213-9501 434-689-2925 (fax)
www. stmlandplan.com
smurray@stmlandplan.com

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Scale:

Date:
Oct. 13, 2018

Drawn & Checked By:
STM

Surveyed.:

CS2405

of