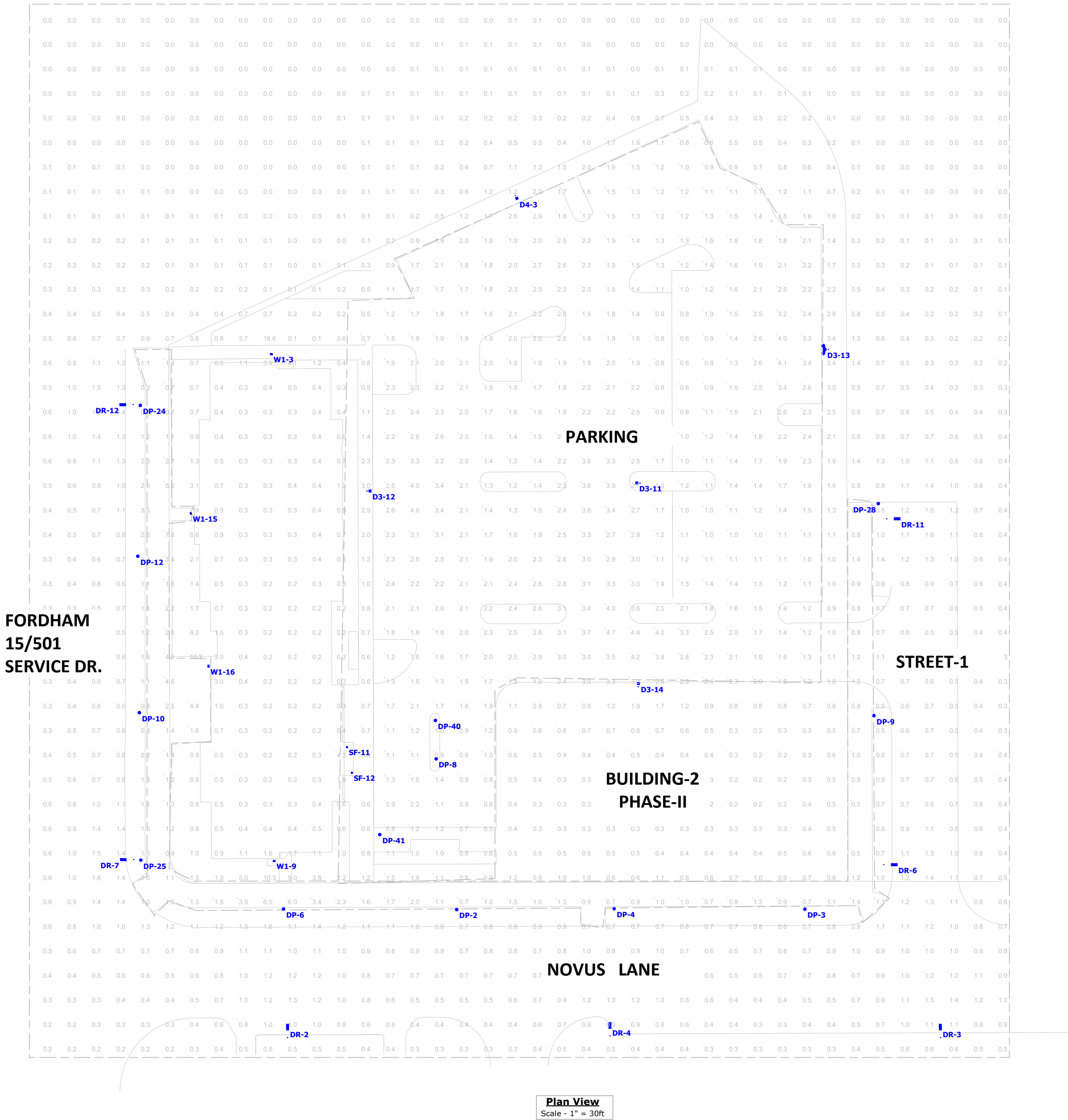


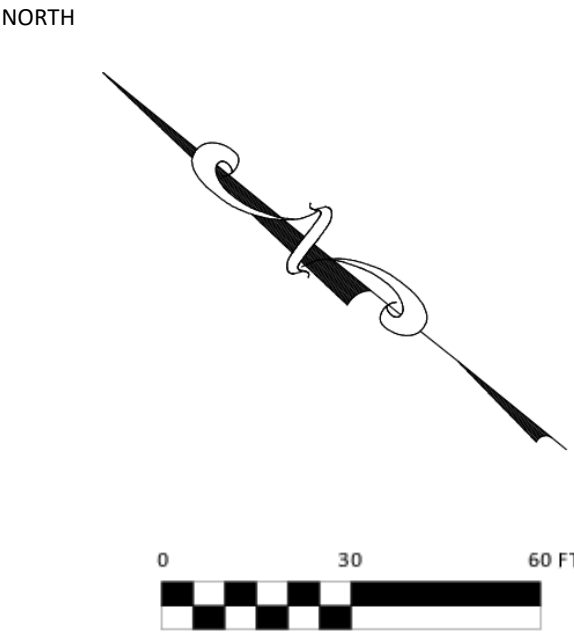
Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Calc Zone Ph-1	+	1.0 fc	16.6 fc	0.0 fc	N/A	N/A
Calc Zone Ph-2	+	0.5 fc	11.4 fc	0.0 fc	N/A	N/A
Ph-1 Parking	X	1.9 fc	4.8 fc	0.5 fc	9.6:1	3.8:1
Ph-1 Sidewalk	X	1.8 fc	7.8 fc	0.5 fc	15.6:1	3.6:1

Schedule									
Symbol	Label	QTY	Catalog Number	Description	Lamp	Number Lamps	Lumens per Lamp	LLF	Wattage
	DR	7	ATB0 208 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 LEDES 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 LEDES 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 LEDES 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 LEDES 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



Project:

Tarheel Lodging Redevelopment

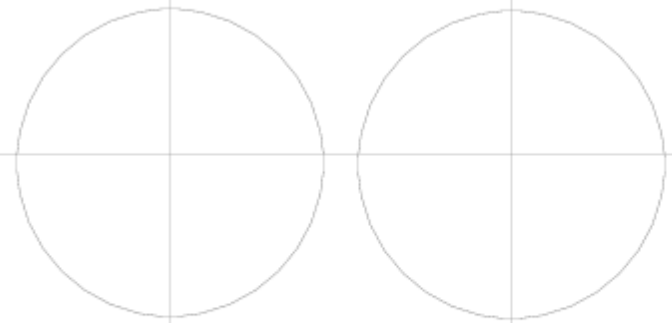
Developer:

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 Q. Boynton, 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:
1"=30'-0"

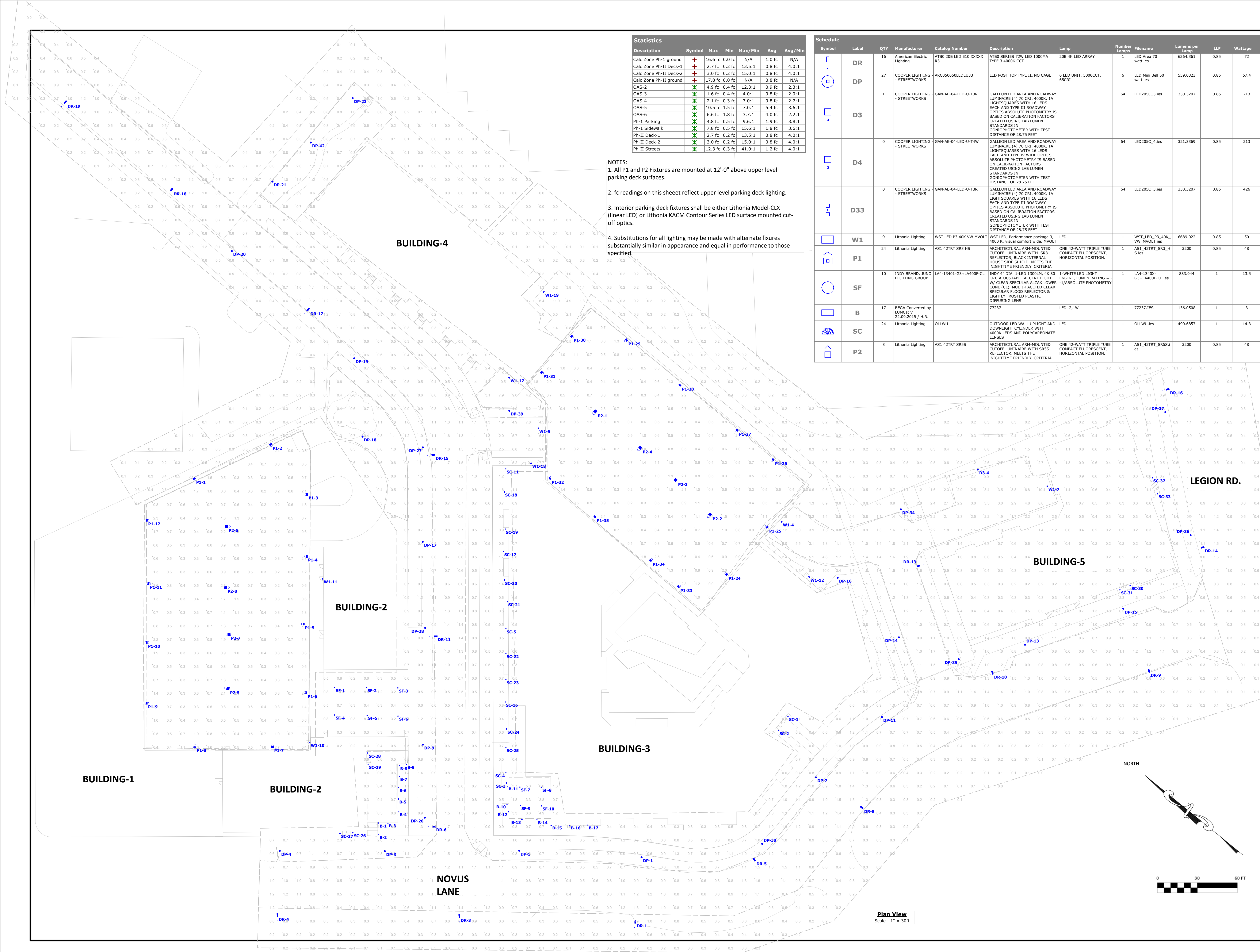
Date:
Oct. 13, 2018

Drawn & Checked By:
STM

Surveyed:

CS2401

of



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

- NOTES:
- All P1 and P2 Fixtures are mounted at 12'-0" above upper level parking deck surfaces.
 - fc readings on this sheet reflect upper level parking deck lighting.
 - Interior parking deck fixtures shall be either Lithonia Model-CLX (linear LED) or Lithonia KACM Contour Series LED surface mounted cut-off optics.
 - Substitutions for all lighting may be made with alternate fixtures substantially similar in appearance and equal in performance to those specified.

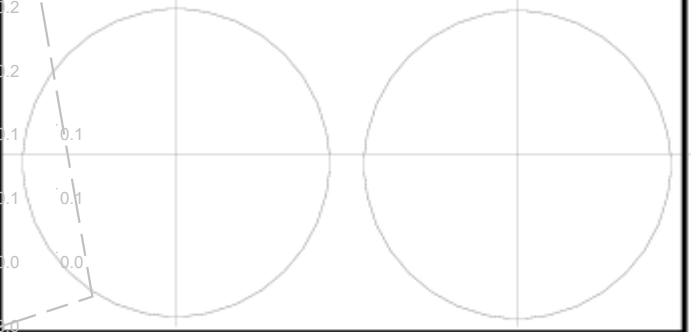
Schedule									
Symbol	Label	QTY	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Filename	Lumens per Lamp
DR	16	American Electric Lighting	ATB0 20B LED E10 XXXXX R3			20B 4K LED ARRAY	1	LED Area 70 watt.ies	6264.361
DP	27	COOPER LIGHTING - STREETWORKS	ARC050650LEDEU33		LED POST TOP TYPE III NO CAGE	6 LED UNIT, 5000CCT, 65CRI	6	LED Mini Bell 50 watt.ies	559.0323
D3	1	COOPER LIGHTING - STREETWORKS	GAN-AE-04-LED-U-T3R		GALLERON LED AREA AND ROADWAY LUMINAIRE (4) 70 CRI, 4000K, 1A LIGHTSQUARES WITH 16 LEDES EACH AND TYPE III ROADWAY OPTICS. ABSOLUTE PHOTOMETRY IS BASED ON CALIBRATION FACTORS CREATED USING LAB LUMEN STANDARDS IN GONOPHOTOMETER WITH TEST DISTANCE OF 28.75 FEET		64	LED20SC_3.ies	330.3207
D4	0	COOPER LIGHTING - STREETWORKS	GAN-AE-04-LED-U-T4W		GALLERON LED AREA AND ROADWAY LUMINAIRE (4) 70 CRI, 4000K, 1A LIGHTSQUARES WITH 16 LEDES EACH AND TYPE IV WIDE OPTICS. ABSOLUTE PHOTOMETRY IS BASED ON CALIBRATION FACTORS CREATED USING LAB LUMEN STANDARDS IN GONOPHOTOMETER WITH TEST DISTANCE OF 28.75 FEET		64	LED20SC_4.ies	321.3369
D33	0	COOPER LIGHTING - STREETWORKS	GAN-AE-04-LED-U-T3R		GALLERON LED AREA AND ROADWAY LUMINAIRE (4) 70 CRI, 4000K, 1A LIGHTSQUARES WITH 16 LEDES EACH AND TYPE III ROADWAY OPTICS. ABSOLUTE PHOTOMETRY IS BASED ON CALIBRATION FACTORS CREATED USING LAB LUMEN STANDARDS IN GONOPHOTOMETER WITH TEST DISTANCE OF 28.75 FEET		64	LED20SC_3.ies	330.3207
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
P1	24	Lithonia Lighting	AS1 42TRT SR3 HS		ARCHITECTURAL ARM-MOUNTED CUTOFF LUMINAIRE WITH SR3 REFLECTOR, BLACK INTERIOR, HOUSE SIDE SHIELD, MEETS THE NIGHTTIME FRIENDLY CRITERIA	ONE 42-WATT TRIPLE TUBE COMPACT FLUORESCENT, HORIZONTAL POSITION.	1	AS1_42TRT_SR3_HS.ies	3200
SF	10	INDY BRAND, JUNO LIGHTING GROUP	LA4-1340F-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	LA4-1340F-G3+LA400F-CL.ies	883.944
B	17	BEGA Converted by LUMCAL V 22.09.2015 / H.R.			77237	LED 2,1W	1	77237.LES	136.0508
SC	24	Lithonia Lighting	OLLWU		OUTDOOR LED WALL UPLIGHT AND DOWNLIGHT CYLINDER WITH 4000K LEDES AND POLYCARBONATE LENSES	LED	1	OLLWU.ies	490.6857
P2	8	Lithonia Lighting	AS1 42TRT SRSS		ARCHITECTURAL ARM-MOUNTED CUTOFF LUMINAIRE WITH SRSS REFLECTOR, MEETS THE NIGHTTIME FRIENDLY CRITERIA	ONE 42-WATT TRIPLE TUBE COMPACT FLUORESCENT, HORIZONTAL POSITION.	1	AS1_42TRT_SRSS.ies	3200

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:
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Design Firm: Scott Murray Land Planning, Inc.
274 Botetourt Q. Boynton, VA 23917
1450 Environ Way Chapel Hill, NC 27517
252-213-9501 434-689-2925 (fax)
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Scale: 1"=30'-0"	CS2402
Date: Oct. 13, 2018	
Drawn & Checked By: STM	
Surveyed:	

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 <i>(Light Emitting Diode)</i>	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)



Outdoor Lighting

Roadway LED

Light source: LED *(white)*

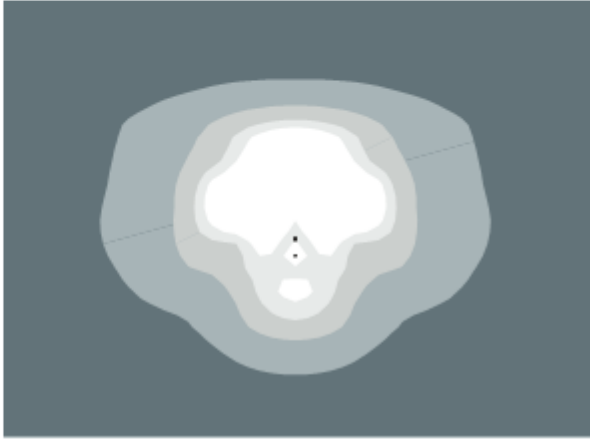
Wattage: 50 | 70 | 110 | 150 | 220 | 280

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



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 <i>(Light Emitting Diode)</i>	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) 800.521.2232 (IN)

Outdoor Lighting

Mini Bell LED

Light source: LED *(white)*

Wattage: 50

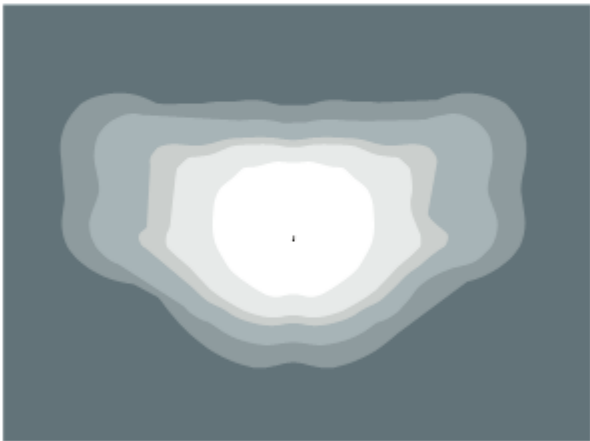
Lumens: 4,500

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

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Fixture-DP

Outdoor Lighting

Shoobox LED



The energy-efficient Shoobox 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 Shoobox 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 <i>(Light Emitting Diode)</i>	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

Outdoor Lighting

Shoobox LED

Light source: LED *(white)*

Wattage: 205

Replacement for*: One 400-watt metal halide Shoobox; two Shoobox 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)*

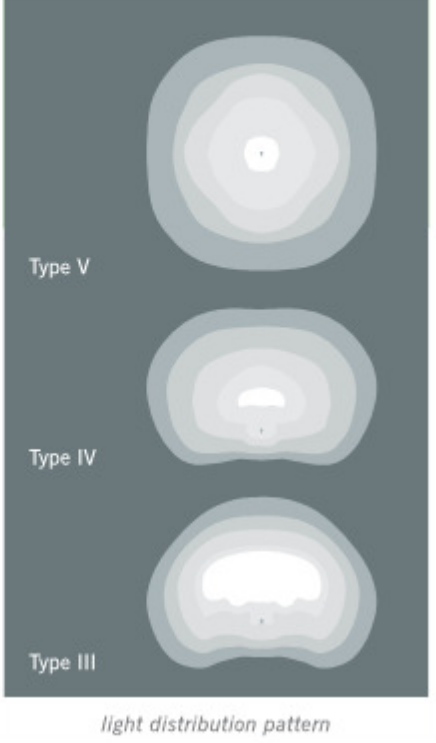
LED 205 | IES Type IV *(forward throw)*

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:

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 Q. 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

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.

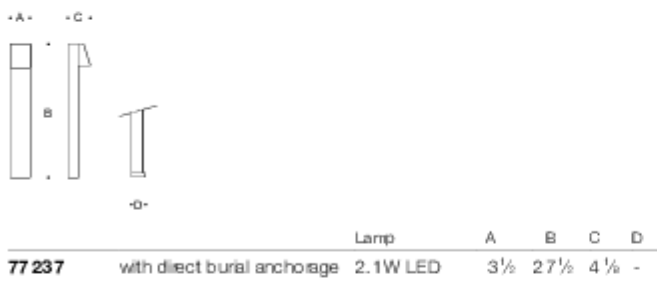
Please note: BEGA's approach to product design is to innovate, not follow. With a steadfast commitment to quality, each product is conceived to satisfy a general or specific lighting task as defined by its architectural or exterior surroundings. The Home and Garden Collection is designed specifically 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.

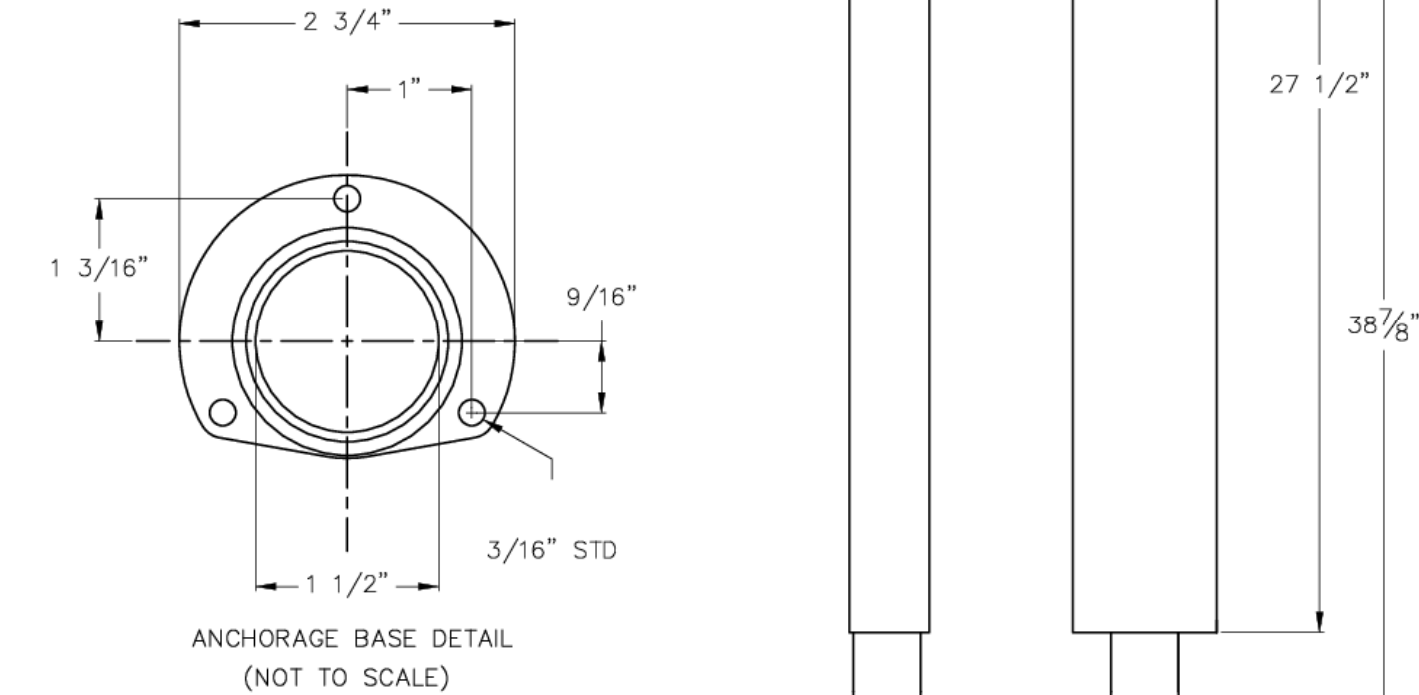
Luminaire Lumens: 136

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



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



Fixture-B

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

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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.

LOW-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

MOVET driver operates on any line voltage from 120-277V.

Operating temperature -30°C to 40°C.

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

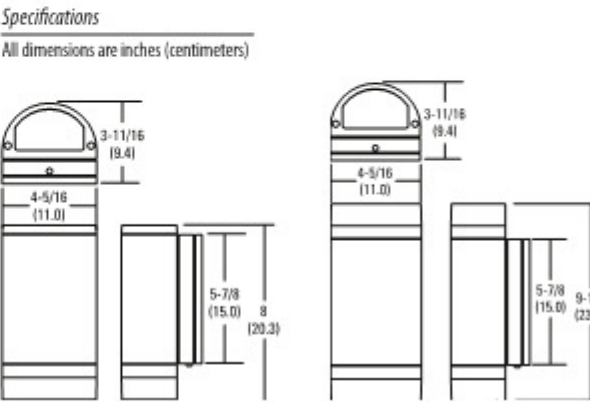
Five-year limited warranty. Full warranty terms located at www.aucitybrands.com/CustomersResources/Terms_and_Conditions.aspx

Note: Specifications are subject to change without notice.

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

Catalog Number	
Notes	
Type	

Outdoor General Purpose
OLLWD & OLLWU
LED WALL CYLINDER LIGHT



ORDERING INFORMATION				Example: OLLWD
For shortest lead times, configure products using bolded options .				
Series	Color temperature (CCT)	Voltage	Finish	
OLLWD	Downlight	(blank) 4000K	(blank) MVOLT (120V-277V)	
OLLWU	Up & downlight	DOB	WH	Dark bronze
				White

DECORATIVE INDOOR & OUTDOOR

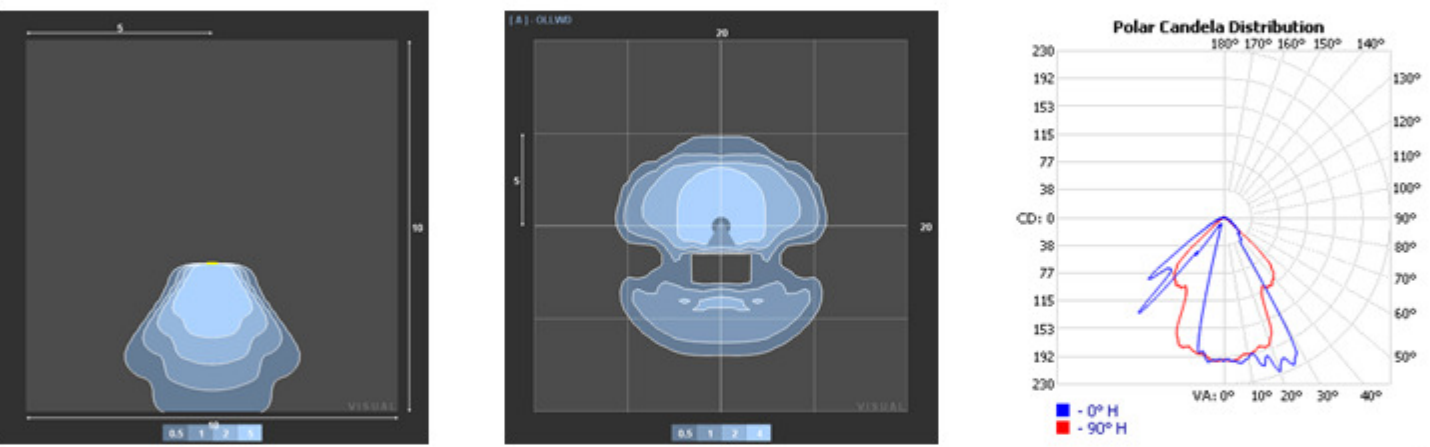
OLLWD-OLLWU

OLLWD & OLLWU LED Wall Cylinder Light

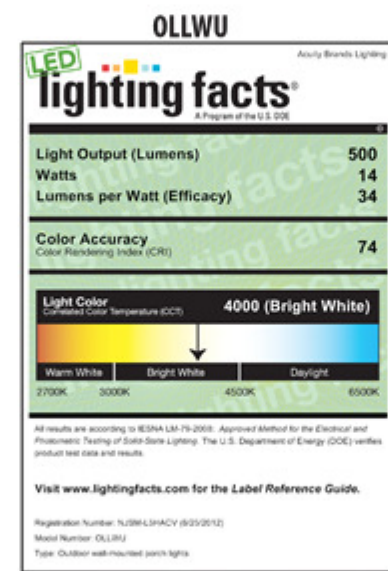
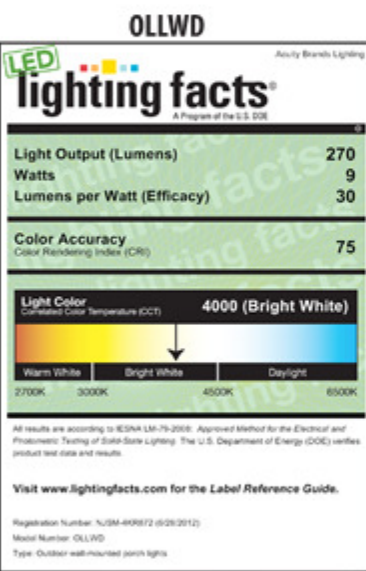
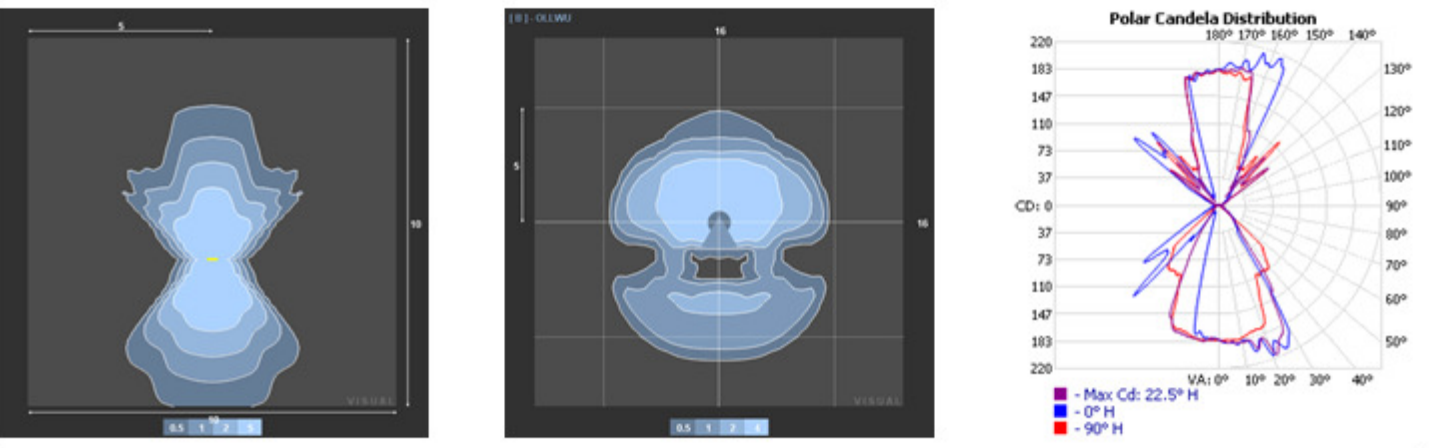
PHOTOMETRICS

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

OLLWD



OLLWU



DECORATIVE INDOOR & OUTDOOR One Lithonia Way, Conyers, GA 30012 Phone: 1-800-278-4041 Fax: 770-860-3803 www.lithonia.com © 2012-2015 Acuity Brands Lighting, Inc. All rights reserved. Rev. 10/20/13

Fixture-P1 & P2



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 configured as mounted or installed as a stand alone fixture. Ideal for uplight and downlight in commercial, retail, manufacturing, warehouse and display applications. **Certain air borne 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-graue cold rolled steel. Housing and lens end caps are injection molded plastics provide a more architectural look and feel. The end caps come standard with a 7/8" knock-out for continuous mounting but can be ordered without.

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

OPTICS — Offered with an plethora of lens and lens configurations. Provides a choice of optical distributions including: wide, narrow, and aisle.

ELECTRICAL — Utilizes high-output LEDs integrated on a two-layer die cut board, ensuring cool-running operation. Optional internal plug-in wiring harness for reduced labor cost in new mounting applications. (See PLE - 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-voltage of 277V at 0.75A contribution watt for indoor locations, for applications requiring higher level of protection, additional surge protection must be provided.

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

lumen output up to 2,500 lumens per foot.

INSTALLATION — Fixture may be ceiling or wall mounted on a two-layer die cut board, ensuring cool-running operation. Optional internal plug-in wiring harness for reduced labor cost in new mounting applications. (See PLE - 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-voltage of 277V at 0.75A contribution watt for indoor locations, for applications requiring higher level of protection, additional surge protection must be provided.

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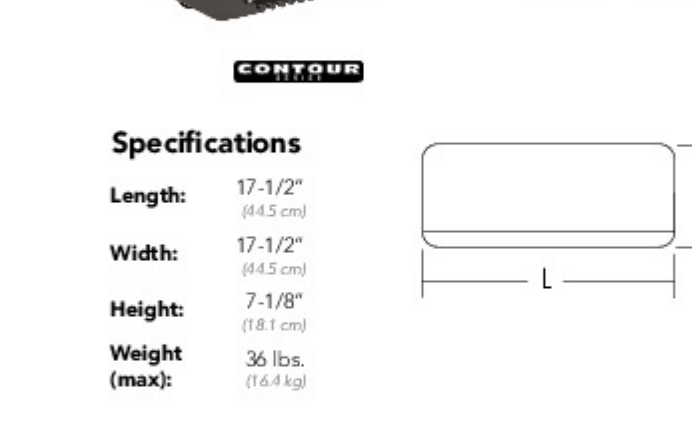
Stock configurations are offered for shorter lead times:

StockPart Number	UPC	DLC CPL Product ID	DLC Premium
CLX140 3000LM SEF FOL MVOLT G210 40K DOB WH	0019723525864	PAH42R4	Yes
CLX140 3000LM SEF FOL MVOLT G210 50K DOB WH	0019723525885	PAH42R4	Yes
CLX140 3000LM SEF FOL MVOLT G210 40K DOB WH	0019723525890	P7782Z0	Yes
CLX140 3000LM SEF FOL MVOLT G210 50K DOB WH	0019723525908	PAH42CH	Yes
CLX140 3000LM SEF FOL MVOLT G210 40K DOB WH	0019723525861	P7782R0	Yes
CLX140 3000LM SEF FOL MVOLT G210 50K DOB WH	0019723525915	PAH42S0E	Yes
CLX140 3000LM SEF FOL MVOLT G210 40K DOB WH	0019723525922	P7782R0	Yes
CLX140 3000LM SEF FOL MVOLT G210 50K DOB WH	0019723525930	P7782R0	Yes
CLX140 3000LM SEF FOL MVOLT G210 40K DOB WH	0019723525960	PAH42R4	Yes
CLX140 3000LM SEF FOL MVOLT G210 50K DOB WH	0019723525892	PAH42CH	Yes
CLX140 3000LM SEF FOL MVOLT G210 40K DOB WH	0019723525854	P7782Z0	Yes
CLX140 3000LM SEF FOL MVOLT G210 50K DOB WH	0019723525946	PAH42CH	Yes
CLX140 3000LM SEF FOL MVOLT G210 40K DOB WH	0019723525878	P7782R0	Yes
CLX140 3000LM SEF FOL MVOLT G210 50K DOB WH	0019723525923	P7782R0	Yes
CLX140 3000LM SEF FOL MVOLT G210 40K DOB WH	0019723525953	P7782R0	Yes
CLX140 3000LM SEF FOL MVOLT G210 50K DOB WH	0019723525947	P7782R0	Yes

INDUSTRIAL

Page 1 of 16

KACM LED
LED Surface Luminaire



ORDERING INFORMATION

KACM LED				EXAMPLE: KACM LED 60C 700 50K RS MVOLT SRM DOBBD			
Series	LEDs	Drive current	Color Temp	Distribution	Voltage	Mounting	
KACM LED	20C ¹	530mA	3000K	R2	120V ^{1,2}	Shipped installed	Shipped separately ⁴
	30C ¹	700mA	4000K	R2	120V ^{1,2}	SRM Surface mount	Yes/No/Not available
	40C ¹		5000K	R4	208V ^{1,3}	1" Through-hole connector	
	60C			R5	240V ^{1,3}	(Provide by others)	
				RSVS	Type V very short		
Options				Finish (required)			
Shipped installed				Shipped separately ⁴			
SF Single face (120, 277, 347V) ¹				DOBBD Dark bronze			
DF Double face (208, 240, 480V) ¹				DOBBD Black			
P10 Ambient illumination, 3-15 mounting height ^{1,11}				DOBBD Natural aluminum			
P100 Ambient illumination, 15-30 mounting height ^{1,11}				DOBBD Textured dark bronze			
P100FCW Motion/ambient sensor for 8-15 mounting heights and typical applications requiring daylight harvesting and 0-10V dimming ^{1,11}				DOBBD Textured black			
P100FCW Motion/ambient sensor for 15-30 mounting heights and typical applications requiring daylight harvesting and 0-10V dimming ^{1,11}				DOBBD Textured natural aluminum			
				DOBBD Textured white			

Accessories
Optional accessories (specify field)

KACM LED U KACM LED U

Warranty: 5-year

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). 3. Any PLE with BL20, BL25 or PMT is not available with 208V, 240V, 347V, 480V or MVOLT. It is only available in 120V or 277V specific. 4. Also available as a separate accessory. See Accessories information at left. 5. P100 and P100FCW specify the Acuity Controls (P100) motion/ambient sensor. P100 and P100FCW specify the Acuity Controls (P100) motion/ambient sensor. 6. Refer to the Motion Sensor table. 7. P100FCW and P100FCW are not available with 120V, P100 or DOBBD motion sensor that only senses motion. 8. Requires an additional end-of-travel switch. 9. Dimming driver standard. MVOLT only. 10. Not available with P100FCW and P100FCW.



One Lithonia Way • Conyers, Georgia 30012 • Phone: 800.278.4041 • www.lithonia.com
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KACM LED Rev 04/11/18

Fixture-CLX & KACM-LED



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. Boynton, 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:

of

CS2405