

NOTICE OF PUBLIC MEETING

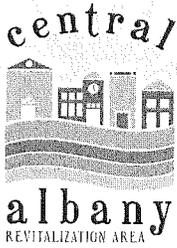
CENTRAL ALBANY REVITALIZATION AREA ADVISORY BOARD
City Hall Council Chambers
Wednesday, March 18, 2015
5:15 p.m.

AGENDA

1. CALL TO ORDER (Chair Rich Catlin)
2. ROLL CALL
3. APPROVAL OF MINUTES
➤ February 18, 2015. [Pages 2-4]
Action: _____
4. SCHEDULED BUSINESS
 - a. Business from the Public
 - b. Dave Clark Trail Lighting Project. [Pages 5-21] (Porsche/Roberts)
Action: _____
 - c. Staff updates and issues. [Verbal] (Porsche)
Action: _____
5. BUSINESS FROM THE BOARD
6. NEXT MEETING DATE: *Wednesday, April 15, 2015*
7. ADJOURNMENT

City of Albany Web site: www.cityofalbany.net

The location of the meeting/hearing is accessible to the disabled. If you have a disability that requires accommodation, advance notice is requested by notifying the City Manager's Office at 541-917-7508, 541-704-2307, or 541-917-7519.



APPROVED: Draft

CITY OF ALBANY
Central Albany Revitalization Area Advisory Board
City Hall Council Chambers, 333 Broadalbin Street SW
Wednesday, February 18, 2015

MINUTES

Advisory Board Members present: Russ Allen, Rich Catlin, Bill Coburn, Floyd Collins, Loyd Henion, Bessie Johnson, Rich Kellum, Sharon Konopa, Ray Kopczynski, Dick Olsen, Maura Wilson

Advisory Board Members absent: David Abarr (excused), Mark Spence (unexcused)
Kevin Manske (resigned from the Board)

CALL TO ORDER

Chair Rich Catlin called the meeting to order at 5:15 p.m.

APPROVAL OF MINUTES

October 15, 2014

MOTION: Ray Kopczynski moved to approve the October 15 minutes. Bessie Johnson seconded the motion, and it passed 11-0.

SCHEDULED BUSINESS

Business from the Public

There was no business from the public.

Main Street Roundabout Design

Economic Development & Urban Renewal Director Kate Porsche referred to the written staff report. She reviewed past discussions regarding the possibility of a CARA contribution to the Main Street Roundabout. In considering the design cost estimates, she doesn't feel that the neighborhood would get the best value for the investment of funds with this project. Staff recommends that the roundabout be landscaped using the standard design used on other roundabouts in the City, and that there be no contribution of CARA funding. There may be an opportunity for a gateway or monument sign at the location as part of the wayfinding sign program, and Public Works staff will design the landscape in a way that allows for that in the future.

Kopczynski said he supports the staff recommendation. He has heard it suggested that a master gardener group could take over maintenance of the roundabout. Porsche said that was discussed, but Public Works would prefer that maintenance remain a City function due to concerns about the safety of volunteers working in a roundabout in the middle of an intersection.

In response to inquiries from the Advisory Board, Public Works staff said that the landscaping will be designed appropriately for vision clearance, that water is available to the roundabout for landscaping, and that the landscaping should be completed in the next couple of months.

Russ Allen said it would be nice if CARA could have done something to make the project a little nicer than the standard design. Maura Wilson agreed; she suggested that the Board could see if there is something they would like to add after the roundabout has been landscaped. Brief discussion followed.

Floyd Collins said he would like to take action on this proposal with any future consideration to come back as a separate action. Kopczynski agreed.

Porsche said her recommendation is that Public Works staff go forward with landscaping the roundabout without CARA contribution, but with consideration that a sign may be added in the future as part of the wayfinding sign program.

MOTION: Kopczynski moved to approve the staff recommendation. Johnson seconded the motion, and it passed 11-0.

Project Updates and 2015 Planning

Porsche distributed and reviewed a matrix entitled *CARA Projects Underway*.

Infrastructure/Public Projects

Street Projects: The survey work has been completed, and a design kickoff and scoping meeting has been held with Crandall Arambula and City staff. Next steps are to work up some design alternatives, prepare a draft implementation and phasing schedule, and bring a recommendation to this body in June. In response to inquiries from the Board, Porsche said the possibility of angled parking and options for outdoor seating are both part of the discussion.

AFD/APD: Minor amendments to the CARA plan have been made, and staff has been at the table for the design of the public safety facilities. Should the bond measure pass, final review and disbursement of CARA funds will come back to the Advisory Board. Staff is also researching other possible CARA contributions such as a contribution to the Fire Museum component of the project.

Wayfinding Signage: A design firm that specializes in wayfinding has been retained to assist with finalizing quantity, placement, design, and specifications. An RFP will then be sent out, and cost estimates will be brought back to the Advisory Board prior to moving forward with the expenditure. The project is expected to be completed by May.

Main Street Roundabout: CARA decided not to participate in funding for the roundabout in the previous agenda item.

Lighting of the Dave Clark Path: Sandy Roberts with the Albany Police Department is researching and refining the costs and scope of the project. This item will be brought back for consideration at the March meeting.

Targeted Blight Removal: Staff has had initial discussions about a targeted approach to blight removal measured by a reduction in the crime rate, and about a possible partnership involving CARA and the Police and Community Development Departments. Brief discussion followed. There was general agreement that there is interest in the concept and that staff will back additional information.

Private Partnerships

IHI/Woodland Square/Woodwind Apartments: Construction of the first two buildings is well underway, and occupancy is expected to begin this month. This is a transformational project for that neighborhood.

Edgewater Village: The streets are in, financing is in place, and construction is underway. The CARA contract calls for the first five homes to be complete by August 30, 2015; and the developers are on target to meet that requirement.

Lepman: The site plan review for the Fortmiller building has been submitted. Staff is working with the developer to address some issues that have arisen related to zoning on the adjacent lots. One idea is to take a holistic look at some of the downtown zones. The developer is willing to wait until a Code review process has been completed before proceeding. Catlin said that development barriers could be identified and eliminated in a surgical manner with a small amount of money. Following discussion, it was agreed that staff will bring back additional information about the possibility of a CARA contribution to that process.

Novak's: The loan has closed, the contractors are on board, and the project is expected to proceed quickly.

Carousel: Drawdown of the Architectural Assistance grant is complete. Staff is discussing the timing of the Carousel and street construction and will bring back a proposal for a potential CARA contribution for street work adjacent to the Carousel.

Administrative

New Urban Renewal/Economic Development Officer Position: The hiring of this position has been put on hold due to uncertainty of funding and possible budget constraints. Porsche continues to do the work of both positions, and there are constraints on her time. An unpaid intern has been lined up to assist this summer.

Holdback Language: The language was reviewed by the City Attorney and has been added to all CARA contracts.

Historic Home Rehab Program and Economic Development Funding Programs: Outlines of these programs have been completed, incorporating suggestions from stakeholders. Following brief discussion, there was general agreement to focus on the Economic Development program first.

Staff Updates and Issues

Porsche shared that the City had needed a second ham radio operator, so she passed the test and received her ham radio license.

BUSINESS FROM THE BOARD

Konopa distributed a flyer with information on a potential state historic rehabilitation tax rebate program that will be coming before the Oregon Legislature. She noted that 35 states provide state historic tax credits but Oregon currently has only the federal tax credit program. This would give another financing mechanism for challenging projects. She asked if the CARA Advisory Board would like to endorse the bill.

Brief discussion followed regarding tax credit programs and how they work. Several Advisory Board members said they would like to review the legislation prior to endorsing. Porsche agreed to send out the text of the bill.

NEXT MEETING DATE

Wednesday, March 18, 2015

ADJOURNMENT

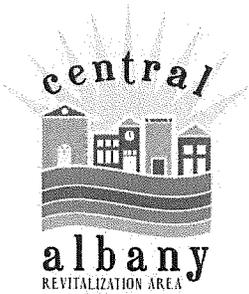
Hearing no further business, Chair Catlin adjourned the meeting at 6:30 p.m.

Submitted by,

Reviewed by,

Teresa Nix
Administrative Assistant

Kate Porsche
Economic Development & Urban Renewal Director



TO: CARA Advisory Board
VIA: Kate Porsche, Economic Development & Urban Renewal Director *Kate*
FROM: Sandy Roberts, Community Education Specialist, Albany Police Department
DATE: March 9, 2015, for March 18, 2015, CARA Advisory Board Meeting
SUBJECT: Dave Clark Trail Lighting Project

Background

A presentation by Community Education Specialist Sandy Roberts on Crime Prevention Through Environmental Design was given to the Board last fall. We discussed the positive impacts design change, area cleanup, enforcement of local ordinances, and lighting can have on a space. We requested the CARA Advisory Board give consideration to how new lighting could create a safer space for Albany citizens and to encourage additional usage of our Dave Clark Trail while discouraging illegal activity.

In the fall, Albany Police Department presented an original estimate to CARA to add lighting to the Dave Clark Trail. Since that presentation, we have worked very closely with Jerry Sheffield from Benton Electric and Phillip Ward from Gray Bar. Both have spent in excess of 80+ volunteer hours combined. We have reviewed the physical structure of the trail, researched lighting sources, and made careful consideration of areas with lighting and those without. We have spoken with numerous City officials from Parks & Recreation including Parks Operations Supervisor Gary Carlson and Director Ed Hodney, Public Works Operations, and Pacific Power and Lighting and taken into consideration areas that need to be highlighted for safety. We believe we can achieve a trail and park that are safer for an evening meal in our beautiful downtown park area, to enjoy a Saturday morning run, or to stroll with-grandchildren any day of the week.

Our recommendation is to replace all Sternberg poles with Lithonia D-Series Size 0 and Size 1 in Monteith Riverpark and along the Dave Clark Trail. This will create consistent, safe lighting throughout the entire Dave Clark Trail. We will also be adding new poles between existing poles to create uniformity along the trail. Where the lighting stops at the Wheel House, it will continue with the D-Series Size 0 to the completion of the trail at Front and Sherman Streets. The Sternberg poles and fixtures are not meant for trail lighting. The fixtures are not capped, therefore the lighting is not projected on the trail itself. Their current bulbs do not give off good, clear white light but, in contrast, create an orange/yellow glow that contributes to feeling unsafe. We would recommend the Sternbergs be utilized elsewhere in the downtown corridor where additional lighting is present.

An extensive look at power sources has been done by Benton Electric and Parks Operations Supervisor Gary Carlson.

We believe our recommendations will do the following:

- Deter crime, including graffiti and camping; and drinking; and/or drug use along the path.
- Encourage more Albany citizens to use our path for its intended purpose of recreation.
- Create better visibility along the Dave Clark Trail, entrances to the trail, Monteith Riverpark, and common areas within the park (i.e., restrooms and pavilion).
- The lighting color, or CRI, will be a natural white/blue light, rather than an orange/yellow giving the trail user a better view of their surroundings and people.

- All lighting placed on the trail will be capped and focused directly on the trail. This will be accomplished with T1 lighting. T1 is a two-way lateral distribution with concentrations of light in the opposite directions along the path. The current lighting is not capped or T1 lighting; therefore, the light is lost and diffused.
- The Lithonia fixture does not detract from the natural environment. It is streamlined and unobtrusive.
- Decrease energy use and cost for existing poles by half. It will also decrease bulb replacement.

The cost estimates are \$269,227.55 (see Attachment A). We would like to recommend the project not exceed \$300,000, which builds in a ten percent buffer for unexpected costs. I have included the Lithonia D-Series Size 0 and 1 Luminaries (see Attachment B). The estimate does not take into consideration the application for Energy Trust refunds on the project. These estimates do include using a US Communities pricing schedule through Gray Bar, saving almost \$400 dollars per fixture and using US Communities contractor pricing with Benton Electric on labor. This pricing gives our City the best costs available to us.

I have also attached (see Attachment C) five letters and e-mails from citizens in Albany regarding their experiences on the trail which support improvement of the trail.

Recommended Action

The City of Albany Police Department and our partners in Parks & Recreation believe the replacement of our current lighting and the installation of new lighting will:

- Create an attractive, safer trail system.
- Increase usage of the trail by Albany citizens.
- Improve the lighting in Monteith Riverpark that hosts our summer concert series.
- Decrease the current power usage and cost by up to half for current posts.
- Deter after-hours loitering by non-legitimate users.
- Reduce maintenance on bulb replacement.
- Increase visibility for patrol officers.
- Deter camping on public property.

For the above reasons, we recommend the Board approve this project.

KCP:ldh

Attachments 3

G:\Economic Development\CARA\CARA Advisory Board\2015\Staff Reports\2015.03.18 Dave Clark Lighting Project.docx

To: Sandy Roberts
Of: City Of Albany

Graybar
Eugene, Oregon

Job:Montieth River Park

Lighting Quotation
Page 1

Date:03/11/2015

Proposal below complies with US Communities pricing
under the MA-IS-1340234 electrical contract.

Type	Qty	Description	Sell Each	Extended
fixture	72	Lithonia DSX0 LED 40C 1000 40K T1S MVOLT SPA DDBXD	\$635.00	\$45,720.00
Fixture	22	Lithonia DSX0 LED 40C 1000 40K T5W MVOLT SPA DDBXD	\$635.00	\$13,970.00
16' Pole	94	Lithonia SSS 16 4C DM19AS DDBXD	\$310.00	\$29,140.00
Wall	4	Cooper XTOR3A	\$240.70	\$962.80
Bathroom	1	Hubbell LNC2-12LU-5K-3-1	\$224.95	\$224.95
		City to verify fixture/pole qty		
		Qty quoted for budget purposes		
Labor	1	One LOT labor per the attached proposal	\$179,227.55	\$179,227.55
		Total:		\$269,245.30

*PLEASE NOTE The part numbers given are for your convenience only and may or may not be the package actually used. We offer this package as an all or none. The customer acknowledges that this quotation is subject to Graybar Electric Standard Terms and Conditions which are available upon request. Graybar Standard Terms and Conditions supersede any terms and conditions on the customer's documents. This quotation represents Graybar's best interpretation of the project and is not intended to be an all inclusive bill of materials. Unit prices are provided for field adjustment of the quotation to match your takeoff. Counts by Contractor. Payment Terms: Net 30 days. Prices good for 30 days from date of quotation unless specified . otherwise. Quoted FOB origin, freight allowed via surface to jobsite, direct shipment to jobsite.

Denise Taisey
Quotations Specialist

Phone: 541-685-5619
Fax: 541-685-5650

BENTON ELECTRIC, INC.

34037 EXCOR RD - ALBANY, OR 97321 HTTP:// www.bentonelectric.com
 PHONE (541) 967-1244 FAX (541) 967-8257 EMAIL benton@bentonelectric.com
 FAMILY OWNED AND OPERATED SINCE 1967 OCL#22-84C CCB# 421

B**E****PROPOSAL****From** Jerry Sheffield**Date** 3/11/2015 9:10:39 AM**To** Graybar Eugene**Proposal #** 2233

2358 W. 7th Place

Customer PO#

Eugene, OR 97402

Job Num

Phillip Ward

Fax**TOTAL PROPOSAL****Job Name:****Bid price for the Dave Clark path lighting upgrade**

*We Propose hereby to furnish material and labor - complete in accordance with specifications below, for the sum of:

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from specifications below involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tomado and other necessary insurance. Our workers are fully covered by Workmen's Compensation Insurance. Labor Payments will be paid monthly based on completion of project. Material payments will be paid at 50% upon signing of this proposal and 50% upon arrival at our warehouse.

SCOPE OF PROPOSAL

Phillip,

Our bid price includes installing new fixtures you will provide for both new locations and to replace existing Sternberg fixtures. We will remove the Sternberg fixtures and place them in a suitable location for pickup by city employees.

We will install all new wire in conduit. We will install junction boxes where needed with tamper-resistant lids. All wire installed will be copper.

All new fixtures installed in areas of top soil will have a concrete base to meet wind resistance requirements.

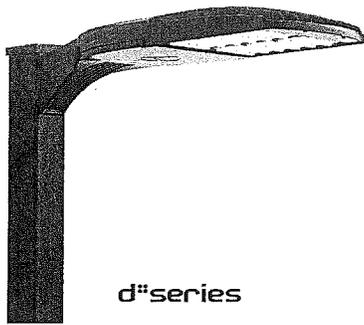
Where areas are paved or concrete surfaces are present we will remove the materials so we can install the wiring. We will leave the patching for the city crews to repair. Where new trenches are dug we will put removed soil back in the ditch but final grading and re-seeding the lawn areas will be left for the city crews.

This price includes fixtures along the path and the fixtures in the Monteith Park area also. We will install (4) new fixtures in the center of the Gazebo which will be the fixtures (LEDs) you deemed most appropriate. We will also install a new fixture in front of the restroom in the Gazebo area that you believe is most suitable.

Our installation price estimate is *(incl in Graybar proposal)*

Thank you,

Jerry Sheffield



D-Series Size 1 LED Area Luminaire



Catalog Number
Notes
Type

File: D-Series Size 1 LED Area Luminaire - 10/15/15

Introduction

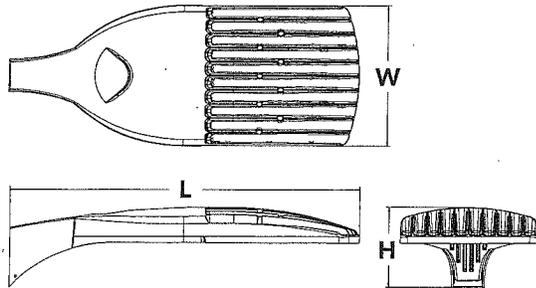
The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment.

The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire. The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing 100-400W metal halide in pedestrian and area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

d"series

Specifications

EPA:	1.2 ft ² (0.11 m ²)
Length:	33" (83.8 cm)
Width:	13" (33.0 cm)
Height:	7-1/2" (19.0 cm)
Weight (max):	27 lbs (12.2 kg)

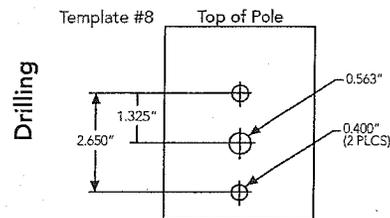


Ordering Information

EXAMPLE: DSX1 LED 60C 1000 40K T3M MVOLT SPA DDBXD

DSX1 LED

Series	LEDs	Drive current	Color temperature	Distribution	Voltage	Mounting	Control options	Other options	Finish required					
DSX1 LED	Forward optics	530 530 mA	30K 3000 K (80 CRI min.)	T1S Type I short	MVOLT ³	Shipped included	Shipped installed	Shipped installed	DDBXD Dark bronze					
		700 700 mA	40K 4000 K (70 CRI min.)	T2S Type II short	120 ³					SPA Square pole mounting	PER NEMA twist-lock receptacle only (no controls) ⁷	HS House-side shield ¹⁴	DBLXD Black	
		1000 1000 mA (1 A)	50K 5000 K (70 CRI)	T2M Type II medium	208 ³ 240 ³					RPA Round pole mounting	DMG 0-10V dimming driver (no controls) ⁸	WTB Utility terminal block ¹⁵	DNAXD Natural aluminum	
	Rotated optics ¹	60C 60 LEDs (two engines)	1000 1000 mA (1 A)	AMBPC Amber phosphor converted ²	T3S Type III short	277 ³	WBA Wall bracket	DCR Dimmable and controllable via ROAM ⁹ (no controls) ⁹	SF Single fuse (120, 277, 347V) ¹⁶	DWHXD White				
					T3M Type III medium	347 ⁴ 480 ⁴					SPUMBA Square pole universal mounting adaptor ⁵	DS Dual switching ^{10,11}	DF Double fuse (208, 240, 480V) ¹⁶	DBBTD Textured dark bronze
					T4M Type IV medium						RPUMBA Round pole universal mounting adaptor ⁵	PIR Motion sensor, 8-15' mounting height ¹²	DNATXD Textured natural aluminum	
	Rotated optics ¹	60C 60 LEDs (two engines)	1000 1000 mA (1 A)	AMBPC Amber phosphor converted ²	TFTM Forward throw medium		Shipped separately ⁶	BL30 Bi-level switched dimming, 30% ^{11,13} BL50 Bi-level switched dimming, 50% ^{11,13}	L90 Left rotated optics ¹⁷ R90 Right rotated optics ¹⁷	DWHGXD Textured white				
					TSVS Type V very short						KMA8 Mast arm mounting bracket adaptor (specify finish) ⁶	PIRH Motion sensor, 15-30' mounting height ¹²		
					T5S Type V short									
					T5M Type V medium									
				T5W Type V wide										



Accessories	Ordered and shipped separately.
DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) ¹⁸
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) ¹⁸
DL1480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) ¹⁸
SC U	Shorting cap ¹⁸
DSX1HS 30C U	House-side shield for 30 LED unit
DSX1HS 40C U	House-side shield for 40 LED unit
DSX1HS 60C U	House-side shield for 60 LED unit
PUMBA DDBXD U*	Square and round pole universal mounting bracket adaptor (specify finish)
KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish) ⁶

For more control options, visit [DCL](#) and [ROAM](#) online.

DSX1 shares a unique drilling pattern with the AERIS™ family. Specify this drilling pattern when specifying poles, per the table below.

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

Example: SSA 20 4C DM19AS DDBXD

Visit Lithonia Lighting's [POLE CENTRAL](#) to see our wide selection of poles, accessories and educational tools.

*Round pole top must be 3.25" O.D. minimum.

**For round pole mounting (RPA) only.

Tenon Mounting Slipfitter**

Slipfitter Size	AST20-190	AST20-280	AST20-290	AST20-320	AST20-390	AST20-490
2-3/8"						
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

NOTES

- Rotated optics only available with 60C.
- AMBPC only available with 530mA or 700mA.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120, 208, 240 or 277 options only when ordering with fusing (SF, DF options).
- Not available with single board, 530mA product (30C 530, or 60C 530 DS). Not available with DCR, BL30 or BL50.
- Available as a separate combination accessory: PUMBA (finish) U; 1.5 G vibration load rating per ANCI C136.31.
- Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" mast arm (not included).
- Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Not available with DS option.
- DMG option for 347V or 480V requires 1000mA
- Specifies a ROAM⁹ enabled luminaire with 0-10V dimming capability; PER option required. Not available with 347 or 480V. Additional hardware and services required for ROAM⁹ deployment; must be purchased separately. Call 1-800-442-6745 or email: sales@roamservices.net. N/A with BL30, BL50, DS, PIR or PIRH.
- Requires 40C or 60C. Provides 50/50 luminaire operation via two independent drivers on two separate circuits. N/A with PER, DCR, WTB, PIR, or PIRH.
- Requires an additional switched circuit.
- PIR specifies the SensorSwitch SBGR-10-ODP control; PIRH specifies the SensorSwitch SBGR-6-ODP control; see Motion Sensor Guide for details. Dimming driver standard. MVOLT only. Not available with DCR.
- Dimming driver standard. MVOLT only. Not available with DCR.
- Also available as a separate accessory; see Accessories information.
- WTB not available with DS.
- Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option.
- Available with 60 LEDs (60C option) only.
- Requires luminaire to be specified with PER option. Ordered and shipped as a separate line item from Acuity Brands Control.



Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (4000 K, 80 minimum CRI)					40K (4000 K, 70 minimum CRI)					50K (5000 K, 70 CRI)				
				Lumens	B	U	G	LPV	Lumens	B	U	G	LPV	Lumens	B	U	G	LPV
				30C (30 LEDs)	700 mA	68 W	T1S	5,290	1	0	1	78	6,524	2	0	2	96	7,053
			T2S	5,540	1	0	1	81	6,833	2	0	2	100	7,387	2	0	2	109
			T2M	5,360	1	0	2	79	6,611	2	0	2	97	7,147	2	0	2	105
			T3S	5,479	1	0	1	81	6,757	1	0	2	99	7,305	2	0	2	107
			T3M	5,452	1	0	2	80	6,724	2	0	2	99	7,269	2	0	2	107
			T4M	5,461	1	0	2	80	6,736	2	0	2	99	7,282	2	0	2	107
			TFTM	5,378	1	0	2	79	6,633	1	0	2	98	7,171	1	0	2	105
			TSVS	5,708	2	0	0	84	7,040	3	0	0	104	7,611	3	0	1	111
			TSS	5,639	2	0	0	83	6,955	2	0	0	102	7,519	3	0	0	112
			T5M	5,710	3	0	1	84	7,042	3	0	1	104	7,613	3	0	2	112
			T5W	5,551	3	0	1	82	6,847	3	0	2	101	7,401	3	0	2	109
	1000 mA	105 W	T1S	7,229	2	0	2	69	9,168	2	0	2	87	9,874	2	0	2	94
			T2S	7,572	2	0	2	72	9,603	2	0	2	91	10,342	2	0	2	98
			T2M	7,325	2	0	2	70	9,291	2	0	2	88	10,005	2	0	3	95
			T3S	7,488	2	0	2	71	9,496	2	0	2	90	10,227	2	0	2	97
			T3M	7,451	2	0	2	71	9,450	2	0	2	90	10,177	2	0	2	97
			T4M	7,464	2	0	2	71	9,467	2	0	2	90	10,195	2	0	2	97
			TFTM	7,351	1	0	2	70	9,323	2	0	2	89	10,040	2	0	3	96
			TSVS	7,801	3	0	1	74	9,894	3	0	1	94	10,655	3	0	1	101
			TSS	7,803	3	0	2	74	9,774	3	0	1	93	10,526	3	0	1	100
			T5M	7,707	3	0	0	73	9,897	3	0	2	94	10,658	4	0	2	102
			T5W	7,586	3	0	2	72	9,621	4	0	2	92	10,363	4	0	2	99
	700 mA	89 W	T1S	6,876	2	0	2	77	8,639	2	0	2	97	9,345	2	0	2	105
			T2S	7,202	2	0	2	81	9,049	2	0	2	102	9,788	2	0	2	110
			T2M	6,968	2	0	2	78	8,755	2	0	2	98	9,469	2	0	3	106
			T3S	7,122	2	0	2	80	8,948	2	0	2	101	9,679	2	0	2	109
			T3M	7,088	2	0	2	80	8,905	2	0	2	100	9,632	2	0	2	108
			T4M	7,100	2	0	2	80	8,920	2	0	2	100	9,649	2	0	2	108
			TFTM	6,992	1	0	2	79	8,785	2	0	2	99	9,502	2	0	2	107
			TSVS	7,421	3	0	0	83	9,323	3	0	1	105	10,085	3	0	1	113
			TSS	7,331	2	0	0	82	9,210	3	0	1	103	9,962	3	0	1	112
			T5M	7,423	3	0	2	83	9,326	3	0	2	105	10,087	4	0	2	113
			T5W	7,216	3	0	2	81	9,066	4	0	2	102	9,807	4	0	2	110
	1000 mA	138 W	T1S	9,521	2	0	2	69	11,970	2	0	2	87	12,871	3	3	0	93
			T2S	9,972	2	0	2	72	12,558	3	0	3	91	13,481	3	0	3	98
			T2M	9,648	2	0	3	70	12,149	3	0	3	88	13,043	3	0	3	95
			T3S	9,862	2	0	2	71	12,418	2	0	2	90	13,331	2	0	2	97
			T3M	9,814	2	0	2	71	12,358	3	0	3	90	13,267	3	0	3	96
			T4M	9,831	2	0	2	71	12,379	2	0	3	90	13,290	2	0	3	96
			TFTM	9,681	2	0	2	70	12,191	2	0	3	88	13,087	2	0	3	95
			TSVS	10,275	3	0	1	74	12,937	3	0	1	94	13,890	4	0	1	101
			TSS	10,150	3	0	1	74	12,782	3	0	1	93	13,721	3	0	1	99
			T5M	10,278	4	0	2	74	12,942	4	0	2	94	13,894	4	0	2	101
			T5W	9,991	4	0	2	72	12,582	4	0	2	91	13,507	4	0	2	98
	700 mA	131 W	T1S	10,226	2	0	2	78	12,871	3	0	3	98	13,929	3	0	3	106
			T2S	10,711	2	0	2	82	13,481	3	0	3	103	14,589	3	0	3	111
			T2M	10,363	2	0	3	79	13,043	3	0	3	100	14,115	3	0	3	108
			T3S	10,592	2	0	2	81	13,331	2	0	2	102	14,427	3	0	3	110
			T3M	10,541	2	0	2	80	13,267	3	0	3	101	14,357	3	0	3	110
			T4M	10,559	2	0	2	81	13,290	2	0	3	101	14,382	3	0	3	110
			TFTM	10,398	2	0	3	79	13,087	2	0	3	100	14,163	2	0	3	108
			TSVS	11,036	3	0	1	84	13,890	4	0	4	106	15,032	4	0	1	115
			TSS	10,902	3	0	1	83	13,721	3	0	1	105	14,849	4	0	1	113
			T5M	11,039	4	0	2	84	13,894	4	0	2	106	15,036	4	0	2	115
			T5W	10,732	4	0	2	82	13,507	4	0	2	103	14,617	4	0	2	112
	1000 mA	209 W	T1S	14,017	3	0	3	67	17,632	3	0	3	84	19,007	3	0	3	91
			T2S	14,681	3	0	3	70	18,467	3	0	3	88	19,908	3	0	3	95
			T2M	14,204	3	0	3	68	17,867	3	0	3	85	19,260	3	0	3	92
			T3S	14,518	3	0	3	69	18,262	3	0	3	87	19,687	3	0	3	94
			T3M	14,448	3	0	3	69	18,173	3	0	4	87	19,591	3	0	4	94
			T4M	14,473	3	0	3	69	18,205	3	0	3	87	19,625	3	0	4	94
			TFTM	14,253	2	0	3	68	17,928	3	0	4	86	19,326	3	0	4	92
			TSVS	15,127	4	0	1	72	19,028	4	0	1	91	20,512	4	0	1	98
			TSS	14,943	4	0	1	71	18,797	4	0	1	90	20,263	4	0	1	97
			T5M	15,131	4	0	2	72	19,033	4	0	2	91	20,517	5	0	3	98
			T5W	14,710	4	0	2	70	18,503	5	0	3	89	19,946	5	0	3	95

Note: Available with phosphor-converted amber LED's (nomenclature AMBPC). These LED's produce light with 97+% >530 nm. Output can be calculated by applying a 0.7 factor to 4000 K lumen values and photometric files.



Performance Data

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	1.02
10°C	50°F	1.01
20°C	68°F	1.00
25°C	77°F	1.00
30°C	86°F	1.00
40°C	104°F	0.99

Electrical Load

Number of LEDs	Drive Current (mA)	System Watts	Current (A)					
			120	208	240	277	347	480
30	530	52	0.52	0.30	0.26	0.23	—	—
	700	68	0.68	0.39	0.34	0.30	0.24	0.17
	1000	105	1.03	0.59	0.51	0.45	0.36	0.26
40	530	68	0.67	0.39	0.34	0.29	0.23	0.17
	700	89	0.89	0.51	0.44	0.38	0.31	0.22
	1000	138	1.35	0.78	0.67	0.58	0.47	0.34
60	530	99	0.97	0.56	0.48	0.42	0.34	0.24
	700	131	1.29	0.74	0.65	0.56	0.45	0.32
	1000	209	1.98	1.14	0.99	0.86	0.69	0.50

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted 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).

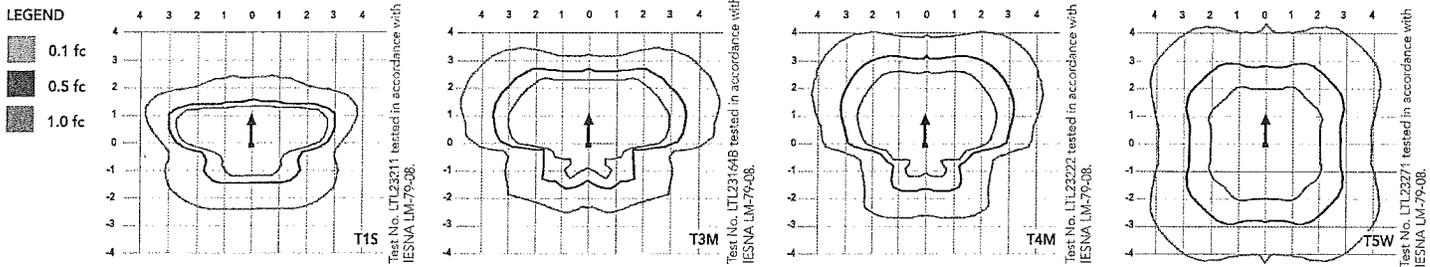
To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	DSX1 LED 60C 1000			
	1.0	0.95	0.93	0.88
Lumen Maintenance Factor	DSX1 LED 60C 700			
	1.0	0.99	0.98	0.96

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's D-Series Area Size 1 homepage.

Isfootcandle plots for the DSX1 LED 60C 1000 40K. Distances are in units of mounting height (20').



FEATURES & SPECIFICATIONS

INTENDED USE

The sleek design of the D-Series Size 1 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and streetscapes.

CONSTRUCTION

Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED driver is mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65). Low EPA (1.2 ft²) for optimized pole wind loading.

FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

OPTICS

Precision-molded proprietary acrylic lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in standard 4000 K (70 minimum CRI) or optional 3000 K (80 minimum CRI) or 5000 K (70 CRI) configurations. The D-Series Size 1 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine configurations consist of 30, 40 or 60 high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L96/100,000 hours at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an

expected life of 100,000 hours with <1% failure rate. Easily serviceable 10kV or 6kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

INSTALLATION

Included mounting block and integral arm facilitate quick and easy installation. Stainless steel bolts fasten the mounting block securely to poles and walls, enabling the D-Series Size 1 to withstand up to a 3.0 G vibration load rating per ANSI C136.31. The D-Series Size 1 utilizes the AERIS™ series pole drilling pattern. Optional terminal block, tool-less entry, and NEMA photocontrol receptacle are also available.

LISTINGS

UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP65 rated. Rated for -40°C minimum ambient. U.S. Patent No. D672,492 S. International patent pending.

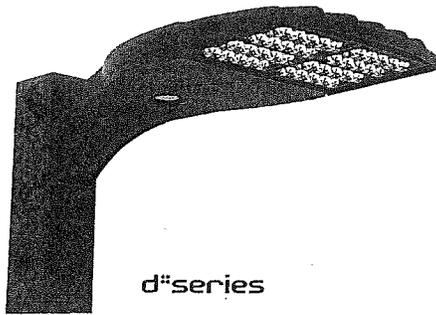
DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org to confirm which versions are qualified.

WARRANTY

Five-year limited warranty. Full warranty terms located at www.acuitybrands.com/CustomersResources/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.





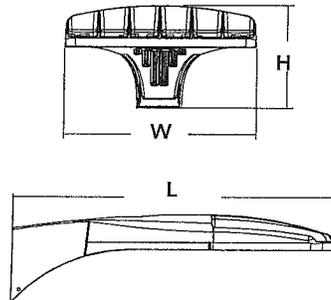
D-Series Size 0 LED Area Luminaire



d^{series}

Specifications

EPA:	0.8 ft ² (.07 m ²)
Length:	26" (66.0 cm)
Width:	13" (33.0 cm)
Height:	7" (17.8 cm)
Weight (max):	16 lbs (7.25 kg)



Catalog Number
Notes
Type

For details on mounting and wiring, see the accessories information.

Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment.

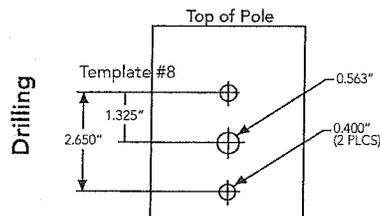
The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire. The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing up to 400W metal halide with typical energy savings of 65% and expected service life of over 100,000 hours.

Ordering Information

EXAMPLE: DSX0 LED 40C 1000 40K T3M MVOLT SPA DDBXD

DSX0 LED

Series	LEDs	Drive current	Color temperature	Distribution	Voltage	Mounting	Control options	Other options	Finish (optional)					
DSX0 LED	Forward optics	530 530 mA	30K 3000 K (80 CRI min.)	T1S Type I short	MVOLT ⁴	Shipped included	Shipped installed	Shipped installed	DDBXD Dark bronze					
		700 700 mA		T2S Type II short	120 ⁴					SPA Square pole mounting	PER NEMA twist-lock receptacle only (no controls) ²	HS House-side shield ¹³	DBLXD Black	
		1000 1000 mA (1 A) ²		T2M Type II medium	208 ⁴					RPA Round pole mounting	DMG 0-10V dimming driver (no controls) ⁹	SF Single fuse (120, 277, 347V) ¹⁴	DNAXD Natural aluminum	
	40C 40 LEDs (two engines)	50K 5000 K (70 CRI)	T3S Type III short	240 ⁴	WBA Wall bracket	347 ⁵	SPUMBA Square pole universal mounting adaptor ⁶	DCR Dimmable and controllable via ROAM [®] (no controls) ¹⁰	DF Double fuse (208, 240, 480V) ¹⁴	DDBTXD Textured dark bronze				
			T3M Type III medium	277 ⁴							RPUMBA Round pole universal mounting adaptor ⁶	PIR Motion sensor, 8-15' mounting height ¹¹	L90 Left rotated optics ¹	DBLBXD Textured black
			T4M Type IV medium	480 ⁵										
	Rotated optics¹	30C 30 LEDs (one engine)	T4M Type IV medium		RPUMBA Round pole universal mounting adaptor ⁶	T5S Type V short	Shipped separately⁷	BL30 Bi-level switched dimming, 30% ¹²	DDL Diffused drop lens ¹³	DWHGXD Textured white				
			T5M Type V medium								KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish)	T5W Type V wide	BL50 Bi-level switched dimming, 50% ¹²	
			T5V Type V very short											
			T5W Type V wide											



DSX0 shares a unique drilling pattern with the AERIS™ family. Specify this drilling pattern when specifying poles, per the table below.

DM19AS	Single unit	DM29AS	2 at 90° *
DM28AS	2 at 180°	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.
*Round pole top must be 3.25" O.D. minimum.
**For round pole mounting (RPA) only.

Tenon Mounting Slipfitter **

POLE SIZE	AST20-190	AST20-280	AST20-290	AST20-320	AST20-390	AST20-490
2-3/8"						
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

NOTES

- 30 LEDs (30C option) and rotated options (L90 or R90) only available together.
- 1000mA is not available with AMBPC.
- AMBPC only available with 530mA or 700mA.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120, 208, 240 or 277 options only when ordering with fusing (SF, DF options).
- Not available with single-board, 530 mA product (20C 530 or 30C 530). Not available with DCR, BL30, or BL50.
- Available as a separate combination accessory: PUMBA (finish) U; 1.5 G vibration load rating per ANCI C136.31.
- Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" mast arm (not included).
- Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories.
- DMG option for 347v or 480v requires 1000mA.
- Specifies a ROAM[®] enabled luminaire with 0-10V dimming capability; PER option required. Not available with 347 or 480V. Additional hardware and services required for ROAM[®] deployment; must be purchased separately. Call 1-800-442-6745 or email: sales@roamservices.net. N/A BL30, BL50, PIR, or PIRH.
- PIR specifies the SensorSwitch SBGR-10-ODF control; PIRH specifies the SensorSwitch SBGR-6-ODF control; see Motion Sensor Guide for details. Dimming driver standard. Not available with DCR.
- Requires an additional switched circuit. Dimming driver standard. MVOLT only. Not available with DCR.
- Also available as a separate accessory; see Accessories information. HS and DDL are not available together.
- Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option.
- Requires luminaire to be specified with PER option. Ordered and shipped as a separate line item from Acuity Brands Controls.

Accessories

Ordered and shipped separately.

DL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) ¹⁵
DL1347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) ¹⁵
DL1480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) ¹⁵
SC U	Shorting cap ¹⁵
DSX0HS 20C U	House-side shield for 20 LED unit ¹³
DSX0HS 30C U	House-side shield for 30 LED unit ¹³
DSX0HS 40C U	House-side shield for 40 LED unit ¹³
DSX0DDL U	Diffused drop lens (polycarbonate) ¹³
PUMBA DDBXD U*	Square and round pole universal mounting bracket adaptor (specify finish)
KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish) ⁷

For more control options, visit [DCL](#) and [PMSD](#) online.



Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

LEDs	Drive Current (mA)	System Watts	Dist Type	20K (2500K, 25, 400)					40K (4000K, 70, 630)					50K (5000K, 70, 630)				
				U	D	G	LPV	U	D	G	LPV	U	D	G	LPV			
				lumens	ft	lm	lm	lm	lumens	ft	lm	lm	lumens	ft	lm	lm		
20C (20 LEDs)	530 mA	35W	T1S	2,904	1	0	1	83	3,655	1	0	1	104	3,941	1	0	1	113
			T2M	2,902	1	0	1	83	3,652	1	0	1	104	3,937	1	0	1	112
			T2S	2,959	1	0	1	85	3,723	1	0	1	106	4,014	1	0	1	115
			T3M	2,952	1	0	1	84	3,715	1	0	1	106	4,005	1	0	1	114
			T3S	2,923	1	0	1	84	3,679	1	0	1	105	3,966	1	0	1	113
			T4M	2,937	1	0	1	84	3,696	1	0	1	106	3,984	1	0	1	114
			T5M	3,037	2	0	1	87	3,823	2	0	1	109	4,121	3	0	1	118
			T5S	3,074	2	0	0	88	3,869	2	0	0	111	4,171	2	0	0	119
			T5VS	3,028	2	0	0	87	3,811	2	0	0	109	4,109	2	0	0	117
			T5W	3,044	2	0	1	87	3,831	3	0	1	109	4,130	3	0	1	118
			TFTM	2,903	1	0	1	83	3,653	1	0	1	104	3,939	1	0	2	113
			T1S	3,599	1	0	1	80	4,524	1	0	1	101	4,902	1	0	1	109
	T2M	3,596	1	0	1	80	4,520	1	0	1	100	4,898	1	0	1	109		
	T2S	3,667	1	0	1	81	4,608	1	0	1	102	4,994	1	0	1	111		
	T3M	3,658	1	0	1	81	4,598	1	0	1	102	4,983	1	0	2	111		
	T3S	3,623	1	0	1	81	4,554	1	0	1	101	4,935	1	0	1	110		
	T4M	3,639	1	0	1	81	4,574	1	0	2	102	4,957	1	0	2	110		
	T5M	3,764	2	0	1	84	4,731	3	0	1	105	5,127	3	0	1	114		
	T5S	3,810	2	0	0	85	4,788	2	0	0	106	5,189	2	0	0	115		
	T5VS	3,753	2	0	0	83	4,717	2	0	0	105	5,112	2	0	0	114		
	T5W	3,772	3	0	1	84	4,741	3	0	1	105	5,138	3	0	1	114		
	TFTM	3,598	1	0	1	80	4,522	1	0	2	100	4,900	1	0	2	109		
	T1S	4,654	1	0	1	65	6,206	2	0	2	86	6,640	2	0	2	92		
	T2M	4,650	1	0	1	65	6,200	2	0	2	86	6,634	2	0	2	92		
	T2S	4,741	1	0	1	66	6,322	2	0	2	88	6,764	2	0	2	94		
	T3M	4,730	1	0	2	66	6,307	2	0	2	88	6,749	2	0	2	94		
	T3S	4,685	1	0	1	65	6,246	1	0	2	87	6,684	2	0	2	93		
	T4M	4,706	1	0	2	65	6,275	1	0	2	87	6,714	2	0	2	93		
	T5M	4,868	3	0	1	68	6,490	3	0	1	90	6,945	3	0	1	96		
	T5S	4,926	2	0	0	68	6,568	2	0	0	91	7,028	2	0	0	98		
	T5VS	4,853	2	0	0	67	6,471	2	0	0	90	6,924	3	0	0	96		
	T5W	4,878	3	0	1	68	6,504	3	0	2	90	6,959	3	0	2	97		
	TFTM	4,652	1	0	2	65	6,203	1	0	2	86	6,637	1	0	2	92		
	T1S	5,579	1	0	1	82	7,019	2	0	2	103	7,565	2	0	2	111		
	T2M	5,574	2	0	2	82	7,012	2	0	2	103	7,558	2	0	2	111		
	T2S	5,683	1	0	1	84	7,150	2	0	2	105	7,706	2	0	2	113		
	T3M	5,670	1	0	2	83	7,133	2	0	2	105	7,688	2	0	2	113		
	T3S	5,615	1	0	2	83	7,065	2	0	2	104	7,614	2	0	2	112		
	T4M	5,641	1	0	2	83	7,097	2	0	2	104	7,649	2	0	2	112		
	T5M	5,835	3	0	1	86	7,340	3	0	1	108	7,912	3	0	2	116		
	T5S	5,905	2	0	0	87	7,429	3	0	0	109	8,007	3	0	1	118		
	T5VS	5,817	2	0	0	86	7,318	3	0	0	108	7,888	1	0	2	116		
	T5W	5,847	3	0	1	86	7,355	3	0	2	108	7,928	3	0	2	117		
	TFTM	5,576	1	0	2	82	7,015	1	0	2	103	7,561	2	0	2	111		
	T1S	7,074	2	0	2	78	8,930	2	0	2	98	9,619	2	0	2	106		
	T2M	7,068	2	0	2	78	8,922	2	0	2	98	9,610	2	0	2	106		
	T2S	7,207	2	0	2	79	9,097	2	0	2	100	9,798	2	0	2	108		
	T3M	7,190	2	0	2	79	9,076	2	0	2	100	9,776	2	0	2	107		
T3S	7,121	2	0	2	78	8,988	2	0	2	99	9,682	2	0	2	106			
T4M	7,153	2	0	2	79	9,029	2	0	2	99	9,726	2	0	2	107			
T5M	7,399	3	0	2	81	9,339	3	0	2	103	10,060	3	0	2	111			
T5S	7,488	3	0	0	82	9,452	3	0	1	104	10,181	3	0	1	112			
T5VS	7,377	3	0	0	81	9,311	3	0	1	102	10,030	3	0	1	110			
T5W	7,414	3	0	2	81	9,359	4	0	2	103	10,080	4	0	2	111			
TFTM	7,071	1	0	2	78	8,926	2	0	3	98	9,614	2	0	3	106			
T1S	9,557	2	0	2	69	12,020	2	0	2	87	12,957	3	0	3	94			
T2M	9,548	2	0	2	69	12,009	3	0	3	87	12,946	3	0	3	94			
T2S	9,735	2	0	2	71	12,245	3	0	3	89	13,199	3	0	3	96			
T3M	9,713	2	0	2	70	12,217	2	0	3	89	13,169	3	0	3	95			
T3S	9,619	2	0	2	70	12,099	2	0	2	88	13,042	2	0	2	95			
T4M	9,663	2	0	2	70	12,154	2	0	3	88	13,102	2	0	3	95			
T5M	9,995	3	0	2	72	12,571	4	0	2	91	13,552	4	0	2	98			
T5S	10,115	3	0	1	73	12,723	3	0	1	92	13,715	3	0	1	99			
T5VS	9,965	3	0	1	72	12,534	3	0	1	91	13,511	3	0	1	98			
T5W	10,015	4	0	2	73	12,597	4	0	2	91	13,579	4	0	2	98			
TFTM	9,552	2	0	3	69	12,015	2	0	3	87	12,951	1	0	2	94			

Note: Available with phosphor-converted amber LED's (nomenclature AMBPC). These LED's produce light with 97+% >530 nm. Output can be calculated by applying a 0.7 factor to 4000 K lumen values and photometric files.



Performance Data

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	1.02
10°C	50°F	1.01
20°C	68°F	1.00
25°C	77°F	1.00
30°C	86°F	1.00
40°C	104°F	0.99

Electrical Load

Number of LEDs	Drive Current (mA)	System Watts	Current (A)					
			120	208	240	277	347	480
20C	530	35	0.34	0.22	0.21	0.20	--	--
	700	45	0.47	0.28	0.24	0.22	0.18	0.14
	1000	72	0.76	0.45	0.39	0.36	0.36	0.26
30C	530	52	0.51	0.31	0.28	0.25	--	--
	700	70	0.72	0.43	0.37	0.34	0.25	0.19
	1000	104	1.11	0.64	0.56	0.49	0.47	0.34
40C	530	68	0.71	0.41	0.36	0.33	0.25	0.19
	700	91	0.94	0.55	0.48	0.42	0.33	0.24
	1000	138	1.45	0.84	0.73	0.64	0.69	0.50

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted 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).

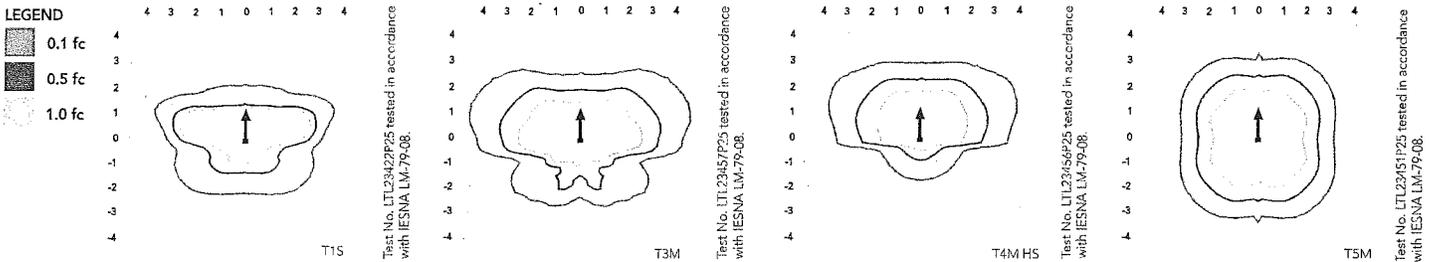
To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	DSX0 LED 20C 1000			
	1	0.97	0.94	0.90
	DSX0 LED 40C 1000			
1	0.94	0.90	0.84	
DSX0 LED 40C 700				
1	0.99	0.98	0.96	

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's D-Series Area homepage.

Isofootcandle plots for the DSX0 LED 40C 1000 40K. Distances are in units of mounting height (20').



FEATURES & SPECIFICATIONS

INTENDED USE

The sleek design of the D-Series Size 0 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and streetscapes.

CONSTRUCTION

Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED driver is mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65). Low EPA (0.8 ft²) for optimized pole wind loading.

FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

OPTICS

Precision-molded proprietary acrylic lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in standard 4000 K (70 minimum CRI) or optional 3000 K (80 minimum CRI) or 5000 K (70 CRI) configurations. The D-Series Size 0 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine(s) configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L96/100,000 hours at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of

100,000 hours with <1% failure rate. Easily serviceable 10kV or 6kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

INSTALLATION

Included mounting block and integral arm facilitate quick and easy installation. Stainless steel bolts fasten the mounting block securely to poles and walls, enabling the D-Series Size 0 to withstand up to a 3.0 G vibration load rating per ANSI C136.31. The D-Series Size 0 utilizes the AERIS™ series pole drilling pattern. Optional terminal block, tool-less entry, and NEMA photocontrol receptacle are also available.

LISTINGS

UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP65 rated. Rated for -40°C minimum ambient. U.S. Patent No. D672,492 S. International patent pending.

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org to confirm which versions are qualified.

WARRANTY

Five-year limited warranty. Full 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.





March 11, 2015

Dear CARA Board,

Thank you for considering installing lights along the Dave Clark Path. One of CARA's objectives is to provide a safe and convenient transportation network that encourages pedestrian and bicycle access to and within the town center. Adding lights to the pathway is one of the most ideal ways to accomplish this.

Lights along the Dave Clark Path have been a request of Deluxe Brewing since we opened our doors. We appeared before the CARA Board in November 2013 to discuss what it would take to complete, but the project seemed to lose momentum. We're excited that the City of Albany Police Department is behind this plan.

Our goal at Deluxe Brewing is to be part of the revitalization of Albany's waterfront. We witness the hustle and bustle of families walking by and bicyclists cruising down the path when the weather is nice, but that all stops when the sun goes down.

As we've been in business, we've seen fewer transients, but we see that as the benefits of having activity in that location. We imagine what it would be like if families could safely walk from the neighborhoods along the river to the downtown core in the evening.

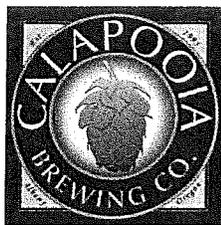
The Borden Building, where Deluxe resides, is between an empty lot and a warehouse that don't supply extraneous lighting. At night, it is extremely dark along the path in that section.

Lights along the Dave Clark Path would provide safety and a sense of personal security. It would help make walking a more appealing activity and mode of transportation. All in all, it would be good for the City and businesses and especially for the people.

Sincerely,

Jamie Howard

Owner, Deluxe Brewing



CALAPOOIA BREWING CO.
140 HILL ST. NE
ALBANY, OR 97321

MARCH 5, 2015

To the citizens and representatives of Albany,

As owner of Calapooia Brewing Co and of a large-breed, energetic dog, I have had many opportunities to utilize the Dave Clark Trail. It is a lovely trail any time of the year, and I believe it is a wonderful gift to the citizens of Albany. Once all the construction for the Edgewater development is done, I can only imagine how picturesque it will be.

However, it can also be a magnet for less-than-picturesque activity once the sun goes down. In our position on the corner of Hill and Water, we have observed and experienced first-hand the petty vandalism, misdemeanors, and felonies that are perpetrated in the relative secrecy within the trail. I believe placing lighting along the entire length of the trail will prevent much of the crime and nuisance associated with that area. I personally would love to see the beautiful, antique-looking light posts currently illuminating downtown extended all the way along to trail down to its terminus on Oak St. It would not only provide crime deterrent, but also a continuity of the historic feel Albany has been so successful at cultivating.

I applaud the City of Albany, the Albany Police Department, and CARA's joint efforts to enhance Albany's livability, and am honored to be a small part of this endeavor.

Cheers!

Laura Bryngelson
Owner and President
Calapooia Brewing Co.
140 Hill St. NE
Albany OR 97321
541-740-6339

From: [Peter Goodman](#)
To: [Roberts, Sandy](#)
Cc: [EXTERNAL - Goodman, Sue](#)
Subject: suggestions about the river walk in Albany
Date: Sunday, March 8, 2015 3:47:52 PM

Ms. Roberts,

Thank you for stopping by the Avery Mill Building and talking with me about plans for the River walk. Parks and public places are being neglected and the reasons are understandable and depressing. There is the obvious lack of money but at a deeper layer it is the lack of true community that is the cause for the neglect. Public spaces and parks are seen, not as places to enjoy family and friends and be part of a community, for middle class people, public parks are places of danger and public disgrace: places the homeless, drug users and disaffected teens hang out. This can be reversed but it will need to be followed with a new appeal to "community". Middle class parents buy swing sets for the back yard rather than send their kids to the park. That needs to change. Families need to have reasons to go to the park and experience conviviality not disgust. So. . .

The renewal of the river walk in Albany is an excellent opportunity to encourage convivial community, while enhancing the golden opportunity Albany has situated right on the Willamette River. We have come some way since they dumped logs in the river and unprocessed sewage flowed right into the main channel.

Here is what can be done:

- (1) Find new ways to involve the public in every stage of planning and implementation of the renewal project
- (2) Design a central space as a focus for the walk (see Corvallis's fountain and kids splash pool) I propose that the central parking lot between Avery Mill and the Senior Center be converted into such a public space.
- (3) Move the farmer's Market to this central space and have permanent sheds for vendors. Have these sheds encircle and central plaza, gathering place with art and fountains and benches. Encourage other uses for the sheds including flea markets, car shows etc. to reach beyond the farmer's market clientele.
- (4) Make this *the* public place to be in Albany. Events, spectacles, attractive landscaping. All of this leads to civic pride which is in short supply otherwise the penny pinchers and their shortsighted "vision" will rule the day and our public spaces become even more forbidding to the families who should be flocking to the river walk and the beauty of the river.
- (5) Adequate lighting, of course. But without creating a focus and reason to be on the trail and at the central space all that will be accomplished is better lighting for the groups who hang out currently in such places as the river walk. Corvallis has a homeless "problem",

heaven knows they have their own disaffected youth and yet the people come. Why? People flock to the "happening" space and the seedy types melt into the background.

Enlist the public in the process, encourage a public space, create reasons for middle class families to come to this space and watch the civic pride increase and demand yet more public spaces which are at the opposite end of the spectrum from private TVs and electronic games.

Dare to do things like this and Albany will be a better place to live. Better business, better real estate market, better for everyone. Thanks for taking this on. Invite the town to join you!

Peter Goodman 541-981-2882

From: [Traci Wendell](#)
To: [Roberts, Sandy](#)
Subject: Avery Mill
Date: Thursday, March 5, 2015 12:00:36 PM

Hi Sandy,

Thank you for your interest in making our area a safer one. Peter Goodman encouraged me to give you some feedback about safety concerns near our building.

I leave two nights a week at 7:00 pm. I am afraid to go to my car. The parking lot is unlit. There are homeless people that hang out in the area (I don't mean to imply that they are dangerous, I just worry about people who might be under the influence of drugs or alcohol).

We have an organization in the basement of our building that conducts anger management classes. Sometimes clients are anxious or intimidated by small groups of people, possibly attendees of these classes, who hang out near the building, at times.

It would be wonderful to have lighting along the bike bath. I enjoy walking along this path.

Again, thank you for your attention to these concerns.

Sincerely,

Traci Wendell

From: [Helen McGovern](#)
To: [Roberts, Sandy](#); [Helen McGovern](#); [Evelyn Farley](#); [Marlin Moore](#); [Florence Anderson](#); [tandac22@gmail.com](#); [Lee Reeves](#); [Janet Kilby](#); [Jill Eskeli](#); [julzk48@gmail.com](#); [Michael & Sandra Houser](#); [Judy Duerstock](#); [Anita Williams](#); [Mai Oia](#); [Peggy Hall](#); [Val Krauss](#); [Kathi Fox](#); [Tracy Stewart](#); [Judi Ellison](#); [Kath and Mike Welch](#); [Terry McGovern](#); [Karen Fisher](#); [Joan McCarthy](#); [Peggy Presley](#); [Chet and Charlotte Houser](#); [Bob and Gwen Howell](#); [EXTERNAL - Eggars, Juanita](#); [Marga Clayton](#); [Eileen Vetter](#); [Kathy Kahill](#); [imawalker2@msn.com](#); [jayne.smith@comcast.net](#); [Judy Kozisek](#); [cpeters@proaxis.com](#); [dougherty.beverly6@gmail.com](#); [gerrylevit@gmail.com](#); [Sandy & Steve Cramer](#); [Barbara Coffman](#); [Coleman, Margo](#); [Virgil.baker@Comcast.net](#); [pfalz52@comcast.net](#); [Delores Clark](#); [Crolyn Phillips](#); [Dick and Charlene Kizer](#); [Ken Dlobik](#); [Munson, Ellie](#); [Edna Ferebee](#); [Karen Goodwin](#); [Joneth Licht](#); [Neal Cahan](#); [Mary Cagle](#); [Pat Bodnar](#); [Valerie](#); [Beverly Hall](#); [Carol Ann Lysek](#); [Nathalia Letson](#); [amzz42@a.com](#); [Don Reed](#); [Ann Rhodes](#); [Howard & Ilene Martin](#); [Jan Hagemeister](#); [Larry Steel](#); [Loretta Menor](#); [Mac & Vicki McClanahan](#); [Michael Derrah](#); [Lucille Clark](#); [Barbara Krochta](#); [Mike](#); [Peggy Gripp](#); [Barbara Mehringer](#); [Janet Cover](#)
Subject: Dave Clark River Trail Lighting
Date: Friday, March 6, 2015 3:03:54 AM

Hi Sandy,

I have walked the trail many times during day light hours. I checked out the trail at night after you contacted me. The lighting from the Senior Center to just past the Wheelhouse is good compared to the streets in the Monteith Historic District which is where I live. The lighting that is along the trail fits the character of Albany as a town with a history. It would be sad to see that changed since so many people have worked hard to restore downtown to a beautiful historic town.

From the community gardens to the end of the trail lighting is minimal and could be improved especially around the railroad trussell. Several styles of lighting have been used including waist high lighting. Maybe continuing the style of lighting used from the Senior Center to the Wheelhouse would help and maintain the character of Albany.

After walking the River Trail in Corvallis and seeing several people without homes at the confluence of the Marys River and the Willamette, I have to say I have seen fewer people along the trail in Albany.

There could be an issue with lighting that is placed at the backyards of the people that live beside the trail. It seems they should be asked for input too.

As far as safety for walkers and bikers goes putting a non slip surface on the wooden bridges along the trail would prevent falls because when the bridges are wet they are very slippery. Constructing steps at the end of Cleveland down into Bowman Park would prevent walkers from slipping when going down the slight hill into the Park. With more people using the trail this would prevent problems along the trail hopefully.

Thank you for asking for input from the Silver Striders Walking Group and The Albany Fitwalkers.

Helen McGovern

From: [diane.popp](#)
To: [Roberts, Sandy](#)
Subject: river front
Date: Wednesday, March 4, 2015 2:19:12 PM

My colleague asked me to send you an email re the water front area. I have worked at the AveryMill, 213 water ave, for the past 17 years. I believe the addition of lights in this area would help promote safety and reduce risk to clients and staff entering and leaving the building after dark. We have had trouble with people leaving trash and personal belongs under or by the steps in our building, theft from our deck, a break in, and last week had to deal with vomit and food trash at our buildings entrance. Thank you for your attention to this area of the city.

Diane PoppLCSW