



# URBAN DESIGN COMMISSION APPLICATION CITY OF MADISON

This form may also be completed online at:

<http://www.cityofmadison.com/planning/documents/UDCApplication.pdf>

215 Martin Luther King Jr. Blvd; Room LL-100  
PO Box 2985; Madison, Wisconsin 53701-2985  
Phone: 608.266.4635 | Facsimile: 608.267.8739

Please complete all sections of the application, including the desired meeting date and the type of action requested.

Date Submitted: <u>February 22, 2017</u>	<input type="checkbox"/> Informational Presentation
UDC Meeting Date: <u>March 8, 2017</u>	<input checked="" type="checkbox"/> Initial Approval
Combined Schedule Plan Commission Date (if applicable): _____	<input checked="" type="checkbox"/> Final Approval

1. Project Address: 2901 N. Sherman Ave, Suite B, Madison WI 53704  
Project Title (if any): Goodwill - Madison North

2. This is an application for (Check all that apply to this UDC application):

☐ New Development ☒ Alteration to an Existing or Previously-Approved Development

## A. Project Type:

- ☐ Project in an Urban Design District\* (public hearing-\$300 fee)  
☐ Project in the Downtown Core District (DC) or Urban Mixed-Use District (UMX) (\$150 fee, Minor Exterior Alterations)  
☐ Suburban Employment Center (SEC) or Campus Institutional District (CI) or Employment Campus District (EC)  
☐ Planned Development (PD)  
☐ General Development Plan (GDP)  
☐ Specific Implementation Plan (SIP)  
☐ Planned Multi-Use Site or Planned Residential Complex

## B. Signage:

- ☐ Comprehensive Design Review\* (public hearing-\$300 fee) ☐ Street Graphics Variance\* (public hearing-\$300 fee)  
☐ Signage Exception(s) in an Urban Design District (public hearing-\$300 fee)

## C. Other:

- ☒ Please specify: Minor Exterior Modifications to existing retail center.

## 3. Applicant, Agent & Property Owner Information:

Applicant Name: Donald Bruns  
Street Address: 1865 Northport Drive, Suite B  
Telephone: (608) 255 0620 Fax: (608) 442 8498

Company: Sherman Plaza, Inc.  
City/State: Madison Zip: WI  
Email: donaldbbruns@gmail.com

Project Contact Person: Nic Maciejewski  
Street Address: 301 North Broadway, Suite 300  
Telephone: (414) 585 8872 Fax: ( )

Company: Berengaria Development  
City/State: Milwaukee Zip: WI  
Email: nicm@berengariadevelopment.com

Project Owner (if not applicant): \_\_\_\_\_  
Street Address: \_\_\_\_\_  
Telephone: ( ) Fax: ( )

City/State: \_\_\_\_\_ Zip: \_\_\_\_\_  
Email: \_\_\_\_\_

## 4. Applicant Declarations:

A. Prior to submitting this application, the applicant is required to discuss the proposed project with Urban Design Commission staff. This application was discussed with Jessica Vaughn on 2/14/17  
(name of staff person) (date of meeting)

B. The applicant attests that all required materials are included in this submittal and understands that if any required information is not provided by the application deadline, the application will not be placed on an Urban Design Commission agenda for consideration.

Name of Applicant Donald Bruns

Relationship to Property Owner

Authorized Signature Donald Bruns

Date 2/16/17



February 22, 2017

**Jessica Vaughn**  
Development Project Planner  
City of Madison Design & Plan Implementation Section  
215 Martin Luther King Jr. Blvd  
Madison, WI 53703

**RE: Letter of Intent – Goodwill - Madison North**

Goodwill Industries of South Central Wisconsin and Northside Town Center have recently agreed to a lease to open a new 22,000 square foot Retail Store and Donation Center located in the vacant space formerly occupied by Roundy's at 2901 North Sherman Avenue. Goodwill has teamed with Shulfer Architects to remodel the interior and exterior façade of this vacant space.

Goodwill Industries of South Central Wisconsin began in 1962 and has remained headquartered in Madison, Wisconsin since. Today, the organization serves 14 counties and operates 10 Retail and Donation Centers across its territory. All of Goodwill's resources are used to provide life-changing services for individuals with disabilities and other challenges throughout the community.

Goodwill is looking to make a significant investment into the existing building façade that will result in a community that donates, shops and frequents the Northside Town Center. Goodwill is proposing to modify the exterior façade to create a more inviting atmosphere that is safe and convenient for residents to donate items. After speaking with the Neighborhood Association and Alder Palm, Goodwill has decided to include a Community Room in the interior design of the space. This room will be available to the public and can also be used as a polling location.

The existing setting of the vacant space is dark and uninviting; the proposed revisions will create a welcoming space that compliments the surrounding area. The façade improvements have been inspired by the recent Willy-Street Co-op enhancements while still providing for the uniqueness that is the Goodwill brand. The addition of the Donation Canopy will create a designated location for donations and provide an enjoyable donation experience in any Wisconsin weather condition. The site's modifications have the safety of pedestrians, bicycle traffic and vehicular traffic as priority.

Goodwill has engaged the services of Shulfer Architects to assist in the development of the architectural and site plans for the proposed improvements. Enclosed are the urban design commission submittal requirements for your review.

We are looking to receive approval for this minor alteration by March, 2017 with an anticipated construction start of May, 2017. The estimate of probable cost for the construction of Goodwill's portion of the project is projected at \$1M. If approval is received in March we are targeting a Fall of 2017 store opening. No subsidies are requested for this project.

Respectfully submitted,

  
Charles Haas  
Goodwill Owners Representative

## DESCRIPTION

The Entri LED luminaire features a classic and stylish design with the added benefits of solid state lighting technology, offering outstanding uniformity and energy savings. Using Eaton's proprietary LED LightBAR™ technology and AccuLED Optics™ system, the Entri LED luminaire offers designers vast versatility in system design, function and performance. Use Entri LED for wall mount architectural lighting applications and egress lighting requirements. UL/cUL listed for use in wet locations.

## SPECIFICATION FEATURES

### Construction

**HOUSING:** Heavy wall, one-piece, die-cast aluminum construction for precise tolerance control and repeatability in manufacturing. Integral extruded aluminum heat sink provides superior thermal heat transfer in +40°C ambient environments. **FACEPLATE / DOOR:** One-piece, die-cast aluminum construction. Captive, side hinged faceplate swings open via release of one flush mount die-cast aluminum latch on housing side panel. **GASKET:** One-piece molded silicone gasket mates perfectly between the door and housing for repeatable seal. **LENS:** Uplight lens is impact-resistant, 5/32" thick tempered frosted glass sealed to housing with continuous bead silicone gasket. Downlight lens is LED board integrated acrylic over-optics, each individually sealed for IP66 rating. **HARDWARE:** Stainless steel mounting screws and latch hardware allow access to electrical components for installation and servicing.

### Optics

Choice of six patented, high-efficiency AccuLED Optic distributions. Optics are precisely designed to shape the light output, maximizing efficiency and application spacing. AccuLED Optic technology creates consistent distributions with the scalability to meet customized application requirements. Offered Standard in

4000K (+/- 275K) CCT and minimum 70 CRI. Optional 3000K CCT, 5000K CCT and 5700K CCT.

### Electrical

LED drivers mount to die-cast aluminum back housing for optimal heat sinking, operation efficacy, and prolonged life. Standard drivers feature electronic universal voltage (120-277V 50/60Hz), 347V 60Hz or 480V 60Hz operation. 480V is compatible for use with 480V Wye systems only. Greater than 0.9 power factor, less than 20% harmonic distortion, and is suitable for operation in -40°C to 40°C ambient environments. All fixtures are shipped standard with 10kV/10kA common – and differential – mode surge protection. LightBARs feature and IP66 enclosure rating and maintain greater than 95% lumen maintenance at 60,000 hours per IESNA TM-21. Emergency egress options for -20°C ambient environments, occupancy sensor and dimming options available.

### Mounting

**JUNCTION BOX:** Standard with zinc-plated, quick-mount junction box plate that mounts directly to 4" J-Box. LightBARs mount facing downward. Fixture slides over mounting plate and is secured with two stainless steel fasteners. Mounting plate features a one-piece EPDM gasket on back side of plate to firmly seal fixture to

wall surface, forbidding entry of moisture and particulates. Optional mounting arrangements utilize a die-cast mounting adaptor box to allow for LED battery pack, surface conduit and through branch wiring. The Entri LED luminaire is approved for mounting on combustible surfaces.

### Finish

Housing is finished in five-stage super TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. LightBAR cover plates are standard white and may be specified to match finish of luminaire housing. Standard colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available. Consult Outdoor Architectural Colors brochure for a complete selection.

### Warranty

Five-year warranty.



## ENC/ENT/ENV ENTRI LED

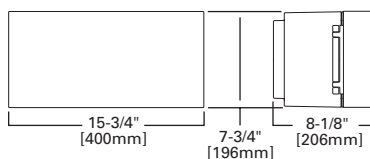
1 - 2 LightBARs  
Solid State LED

ARCHITECTURAL WALL  
LUMINAIRE

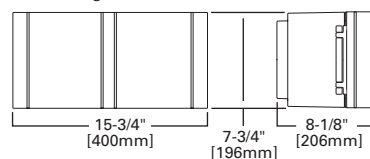


## DIMENSIONS

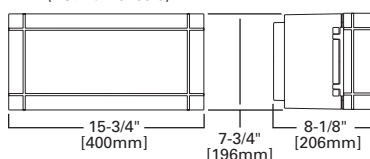
### ENC (Round Clean)



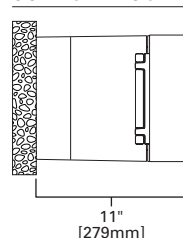
### ENT (Triangle Reveals)



### ENV (Round Reveals)



### CONDUIT MOUNT / BATTERY BACK BOX



## CERTIFICATION DATA

UL/cUL Listed  
ISO 9001  
IP66 LightBARs  
LM79 / LM80 Compliant  
DesignLights Consortium® Qualified\*

## ENERGY DATA

Electronic LED Driver  
>0.9 Power Factor  
<20% Total Harmonic Distortion  
120-277V/50 & 60Hz, 347V/60Hz,  
480V/60Hz  
-30°C Minimum Temperature  
40°C Ambient Temperature Rating

## SHIPPING DATA

Approximate Net Weight:  
16 lbs. (7.3 kgs.)



## POWER AND LUMENS BY BAR COUNT

Number of LightBARs		E01	E02	F01	F02
		21 LED LightBAR		7 LED LightBAR	
Drive Current		350mA		1A	
Power (Watts)	120-277V	25W	47W	26W	50W
Current (A)	120V	0.22	0.40	0.22	0.42
	277V	0.10	0.18	0.10	0.19
Power (Watts)	347V or 480V	31W	52W	32W	55W
Current (A)	347V	0.11	0.16	0.11	0.17
	480V	0.16	0.18	0.16	0.18
Optics					
BL2	Lumens	2,738	5,476	2,260	4,521
	Bug Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1
BL3	Lumens	2,702	5,405	2,231	4,462
	Bug Rating	B1-U0-G1	B1-U0-G2	B1-U0-G1	B1-U0-G1
BL4	Lumens	2,613	5,225	2,157	4,313
	Bug Rating	B1-U0-G1	B1-U0-G2	B1-U0-G1	B1-U0-G1
GZW	Lumens	2,785	5,570	2,299	4,598
	Bug Rating	B2-U0-G2	B3-U0-G3	B1-U0-G1	B2-U0-G2
SLR/SL	Lumens	2,435	4,869	2,010	4,020
	Bug Rating	B1-U0-G1	B1-U0-G2	B1-U0-G1	B1-U0-G2

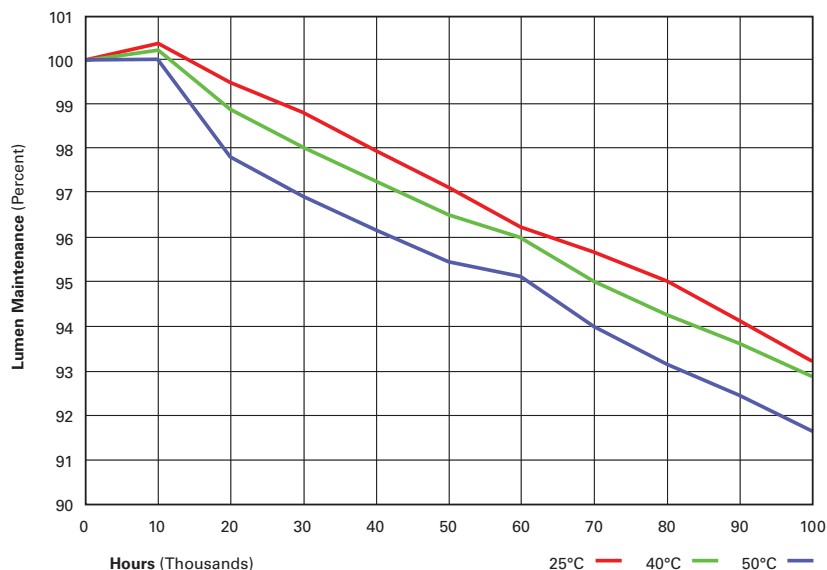
## LUMEN MAINTENANCE

Ambient Temperature	25,000 Hours*	50,000 Hours*	60,000 Hours*	100,000 Hours	Theoretical L70 (Hours)
25°C	> 99%	> 97%	> 96%	> 93%	> 450,000
40°C	> 98%	> 97%	> 96%	> 92%	> 425,000
50°C	> 97%	> 96%	> 95%	> 91%	> 400,000

\* Per IESNA TM-21 data.

## LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
10°C	1.02
15°C	1.01
25°C	1.00
40°C	0.99



## ORDERING INFORMATION

Sample Number: ENC-E02-LED-E1-BL3-GM

ENV-E02-LED-EI-GZW-GM

Product Family <sup>1</sup>	Number of LightBARs <sup>2</sup>	Lamp Type	Voltage	Distribution	Color <sup>4</sup>
ENC=Entri Round Clean ENT=Entri Triangle Reveals ENV=Entri Round Reveals	E01=(1) 21 LED LightBAR E02=(2) 21 LED LightBARs F01=(1) 7 LED LightBAR F02=(2) 7 LED LightBARs	LED=Solid State Light Emitting Diodes	E1=Electronic (120-277V) 347=347V 480=480V <sup>3</sup>	BL2=Type II w/Back Light Control BL3=Type III w/Back Light Control BL4=Type IV w/Back Light Control GZW=Wall Grazer Wide SLL=90° Spill Light Eliminator Left SLR=90° Spill Light Eliminator Right	AP=Grey BZ=Bronze BK=Black DP=Dark Platinum GM=Graphite Metallic WH=White
Options (Add as Suffix)			Accessories (Order Separately) <sup>9</sup>		
ULG=Uplight Glow (For Uplight Only) PC=Button Type Photocontrol (120, 208, 240 or 277V. Must Specify Voltage) WG=Wire Guard TP=Tamper Resistant Hardware LCF=LightBAR Cover Plate Matches Housing Finish 7030=70 CRI / 3000K CCT <sup>5</sup> 7050=70 CRI / 5000K CCT <sup>5</sup> 7060=70 CRI / 5700K CCT <sup>5</sup> 8030=80 CRI / 3000K CCT <sup>5</sup> OSB=Occupancy Sensor with Back Box (Specify 120V or 277V) <sup>6</sup> BBB=Battery Pack with Back Box (Specify 120V or 277V) <sup>7</sup> CWB=Cold Weather Battery Pack with Back Box (Specify 120V or 277V) <sup>8</sup> DIM=0-10V Dimming Driver			VA2001-XX=Thru-Way Conduit Box VA6172=Wire Guard VA6173=Tamper-Resistant Driver Bit MA1253=10kV Circuit Module Replacement		

## NOTES:

- DesignLights Consortium® Qualified. Refer to [www.designlights.org](http://www.designlights.org) Qualified Products List under Family Models for details.
- Standard 4000K CCT and greater than 70 CRI. LightBARs for downlight use only.
- Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems)
- Custom and RAL color matching available upon request. Consult your lighting representative at Eaton for more information.
- Extended lead times apply.
- Available with E02 or F02, only one bar on street side will be wired to sensor. Time delay factory setting 15-minutes. When ordered with PC option, both bars are connected to photocontrol as primary switching means. Standard sensor lens covers 8" mounting height, 360° coverage, maximum 48" diameter. Not available in all configurations or with BBB or CWB options.
- Specify 120V or 277V. LED standard integral battery pack is rated for minimum operating temperature 32°F (0°C). Operates one bar for 90-minutes. Not available in all configurations or with OSB option. Consult factory.
- Specify 120V or 277V. LED cold weather integral battery pack is rated for minimum operating temperature -4°F (-20°C). Operates one bar for 90-minutes. Not available in all configurations or with OSB option. Consult factory.
- Replace XX with color suffix.

**Job Name:**

Goodwill Industries - ~~Skokie, IL~~  
Madison WI

**Catalog Number:**

LD6A15D010TE ERM6A15840  
6LM1H

Notes:

**Type:****O17**

ELL16-55705

Type B

**DESCRIPTION**

6 inch LED recessed medium beam downlight with 50° cut off specially designed for LED technology. Two-stage reflector system produces smooth distribution with excellent light control and low aperture brightness. Lumen packages include 1000, 1500, 2000 and 3000 lumens with color temperatures of 2700K, 3000K, 3500K, 4000K.

**SPECIFICATION FEATURES****Lower Shielding Reflector**

Self-flanged, spun .050" thick aluminum lower reflector in combination with a lensed upper optical chamber provides superior lumen output with minimal source brightness. Available in all Portfolio Alzak® finishes.

**Trim Retention**

Lower reflector is retained with two torsion springs holding the flange tightly to the finished ceiling surface.

**Plaster Frame / Collar**

New Construction Housing: Die cast aluminum 1-1/2" deep collar accommodates ceiling materials up to 2".

**Universal Mounting Bracket**

Accepts 1/2" EMT, C channel and bar hangers and adjusts 5" vertically from above and below the ceiling.

**Junction Box**

(4) 1/2" and (2) 3/4" trade size pry outs positioned to allow straight conduit runs. Listed for (8) #12

AWG (four in, four out) 90°C conductors and feed thru branch wiring.

**Thermal**

Extruded aluminum heat sink conducts heat away from the LED module for optimal performance and long life.

**LED**

LED system contains a plurality of high brightness white LED's combined with a high reflectance upper reflector and convex transitional lens producing even distribution with no pixilation. Rated for 50,000 hours at 70% lumen maintenance. Auto resetting, thermally protected, LED's are turned off when safe operating temperatures are exceeded. Color variation within 3-step MacAdam ellipses. Flexible disconnect allows for tool-less replacement of LED engine from below ceiling. Available in 80 or 90 CRI.

**Driver**

Combination 120-277V 0-10V or

120V trailing edge phase cut driver provides flicker free dimming from 100% to 10%. Optional 1% 0-10V, Fifth Light, DMX or Lutron® Ecosystem. Driver can be serviced from above or through the aperture.

**Code Compliance**

Thermally protected and cULus listed for protected wet locations. IP66 rated when used with IP66 gasket kit accessory. Optional City of Chicago environmental air (CCEA) marking for plenum applications. EMI/RFI emissions per FCC 47CFR Part 18 Class B consumer limits. Non-IC rated - Insulation must be kept 3" from top and sides of housing. RoHS Compliant. Photometric testing completed in accordance with IES LM 79 standards. LED life testing completed in accordance with LM 80 standards.

**Warranty**

5 year warranty on LED housings, LED Modules and LED Trims.



**LD6A10 LD6A15  
LD6A20 LD6A30  
6LM**

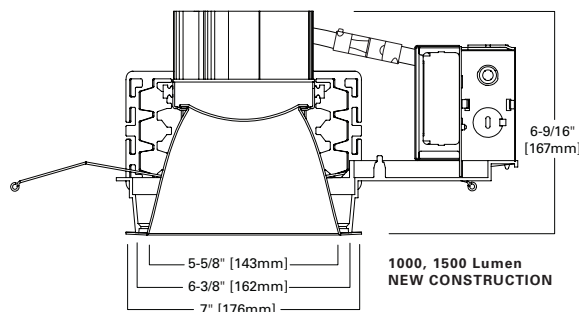
1000, 1500 Lumen LED

2000, 3000 Lumen LED

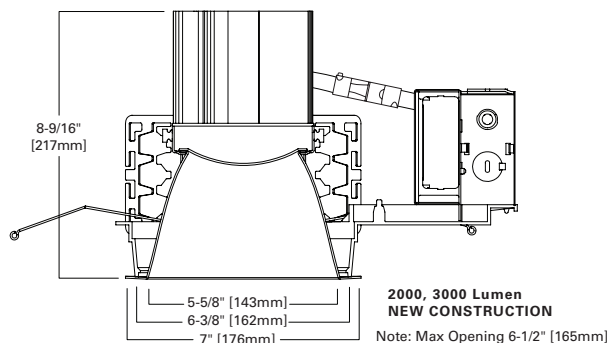
6-Inch

Medium Beam Downlight

New Construction

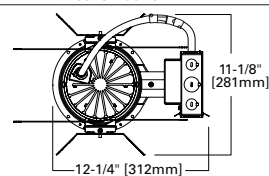
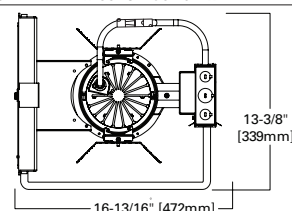


**1000, 1500 Lumen  
NEW CONSTRUCTION**



**2000, 3000 Lumen  
NEW CONSTRUCTION**

Note: Max Opening 6-1/2" [165mm]

**TOP VIEW - NEW CONSTRUCTION****TOP VIEW - NEW CONSTRUCTION WITH BATTERY**

Refer to ENERGY STAR® Qualified Products List.



powered by

**fifthlight**  
technology





**Job Name:**Goodwill Industries - ~~Skokie, IL~~  
Madison WI**Catalog Number:**LD6A15D010TE ERM6A15840  
6LM1H  
Notes:**Type:**~~O17~~

ELL16-55705

Type B

LD6A10 LD6A15 LD6A20 LD6A30 6LM

**ORDERING INFORMATION****EXAMPLE:** LD6A15D010TE ERM6A15835 6LM0LI=6" LED Medium Beam Reflector, 1500 Lumen 3,500 K Color with Universal 120 - 277V, 0 - 10 Driver

Housing	Lumens <sup>1</sup>	Driver	Options <sup>3,4</sup>	Power Module	CRI	Color
<div>LD6A=6" Aperture, LD6ACP=6" Aperture</div>	<div>1000, 1500, 2000 and 3000 Lumen D010TE=120-277V 0-10V 10% Dimming or Trailing Edge 120V Dimming D010=1 to 100% Dimming, 120-277V 50/60Hz, 0-10V DL3=1 to 100% Dimming, 120-277V Lutron® Hi-Lume, Ecosystem or 3 Wire DLT=Hi-Lume Forward Phase 2-wire Dimming 120V DMX=DMX 0% Dimming</div> <div>1000, 1500 and 2000 Lumen D010TR=120-277V 0-10V 10% Dimming or Leading Edge 120V Dimming</div>	<div>EMBOD=7W Bodine® Emergency Module with Remote Test Switch IEMBOD=7W Bodine® Emergency Module with Integral Test Switch EM7=7W Emergency Module with Remote Test Switch EM14=14W Emergency Module with Remote Test Switch IEM7=7W Emergency Module with Integral Test Switch IEM14=14W Emergency Module with Integral Test Switch</div>	<div>ERM6A10=6", 1000 Lumen Module for Medium Beam Reflector ERM6A15=6", 1500 Lumen Module for Medium Beam Reflector ERM6A20=6", 2000 Lumen Module for Medium Beam Reflector ERM6A30=6", 3000 Lumen Module for Medium Beam Reflector</div>	<div>8=80 CRI 9=90 CRI</div>	<div>27=2700° K 30=3000° K 35=3500° K 40=4000° K 27CP=2700° K, Chicago Plenum 30CP=3000° K, Chicago plenum 35CP=3500° K, Chicago Plenum 40CP=4000° K, Chiago Plenum</div>	
<div>10=1000 Lumens 15=1500 Lumens 20=2000 Lumens 30=3000 Lumens</div>						

Reflector	Finish	Options	Accessories
6LM0=6" Medium Reflector, Polymer Trim Ring 6LM1=6" Medium Reflector, Self-flanged 6LM0E=6" Medium Reflector, Polymer Trim Ring for use with IEM Integral Emergency Option 6LM1E=6" Medium Reflector, Self-flanged for use with IEM Integral Emergency Option	LI=Specular Clear H=Semi-Specular Clear WMH=Warm Haze G=Specular Gold WH=Wheat WHH=Wheat Haze GP=Graphite GPH=Graphite Haze	B=Specular Black W=Gloss White 6LM0, 6LM0E Only BB=Black Baffle WB=White Baffle Self-flanged Only WF=White Painted Flange	HB26=C-channel Bar Hanger, 26" Long, Pair HB50=C-channel Bar Hanger, 50" Long, Pair RMB22=Wood Joist Bar Hanger, 22" Long, Pair H347=347 To 120V Step Down Transformer, 75VA H347200=347 to 120V Step Down Transformer, 200VA Housings, Specify Slope HSA6=Slope Adapter for 6" Aperture Housings, Specify Slope TRM6=Metal Trim Ring, Specify Color <sup>2</sup> TRR6=Rimless Trim Ring <sup>2</sup> DT6=Deco Trim <sup>2</sup> LGSKT6IP66= P66 Gasket Kit

**Notes:** 1 Nominal Lumens will vary depending on selected color, driver and reflector finish.

2 Order trim with polymer trim ring (Consult specification sheet for color ordering information and options).

3 Not available with Chicago Plenum.

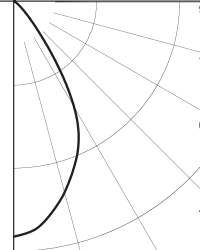
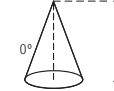

4 Not CSA approved.

**ENERGY**

ENERGY DATA			
Sound Rating: Class A standards			
(Values at non-dimming line voltage)			
Minimum Starting Temperature: -30°C (-22°F)			
EM/RFI: FCC Title 47 CFR, Part 15, Class B (Consumer)			
Input Voltage: UNV (120V - 277V)			
Power Factor: >0.90 (at nominal input 120-277 VAC & 100% of Rated Output Power)			
3000 Lumen D010TE		2000 Lumen D010TE	
Input Power: 43.6W	THD: <17%	Input Power: 31.5W	THD: <20%
120V Input Current: 37A	277V Input Current: 16A	120V Input Current: 27A	277V Input Current: 12A
Maximum Non-IC Ambient Continuous		Maximum Non-IC Ambient Continuous	
Input Frequency: 50/60Hz		Input Frequency: 50/60Hz	
1500 Lumen D010TE		1000 Lumen D010TE	
Input Power: 22.4W	THD: <20%	Input Power: 14.1W	THD: <20%
120V Input Current: 12A	277V Input Current: 09A	120V Input Current: 12A	277V Input Current: 06A
Maximum Non-IC Ambient Continuous		Maximum Non-IC Ambient Continuous	
Input Frequency: 50-60Hz		Input Frequency: 50-60Hz	

Lumens	120V		277V	
	Inrush (A)	Duration (ms)	Inrush (A)	Duration (ms)
900/1000	0.486	0.4	0.848	0.182
1300/1500	0.717	1.58	0.531	1.24
1800/2000	0.832	0.405	1.25	0.788
2800/3000	1.09	0.3	1.23	0.294

**PHOTOMETRICS**

		CANDLEPOWER DISTRIBUTION		CONE OF LIGHT				CANDELA TABLE		ZONAL LUMEN SUMMARY			LUMINANCE			
Test Number P135434		<div><div>Downlight</div></div>		<div></div>				<div><div>Degrees Vertical</div><div>Candela</div></div>		<div><div>Zone</div><div>Lumens</div><div>%Fixture</div></div>			<div><div>Average Candela Degrees</div><div>Average Footcandle Luminance</div></div>			
Platform LD6A15D010TE				0°		D		0		0-30			45			
Element ERM6A15835 6LM1H				5°		FC		5		1549		969			11339	
Lumens 1421				15°		L		5		1514		1280			3048	
Efficacy 62.9 Lm/W				30°		W		5		1306		1410			1220	
SC 0.9		45°		5.5'		7'		25		0-60			75			
		550		8'		9'		35		90-180			85			
		1100		10'		10'		45		0			0			
		1650		12'		11'		65		1421			0			
								75								
								85								
								90								



**Job Name:**  
Goodwill Industries - ~~Skokie, IL~~  
Madison WI

**Catalog Number:**  
LD6A15D010TE ERM6A15840  
6LM1H  
Notes:

**Type:**  
**O17**  
ELL16-55705 Type B

LD6A10 LD6A15 LD6A20 LD6A30 6LM

## PHOTOMETRICS

CANDLEPOWER DISTRIBUTION		CONE OF LIGHT		CANDELA TABLE		ZONAL LUMEN SUMMARY			LUMINANCE	
Test Number Platform Element Lumens Efficacy SC	<div><div></div><div>Downlight</div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div><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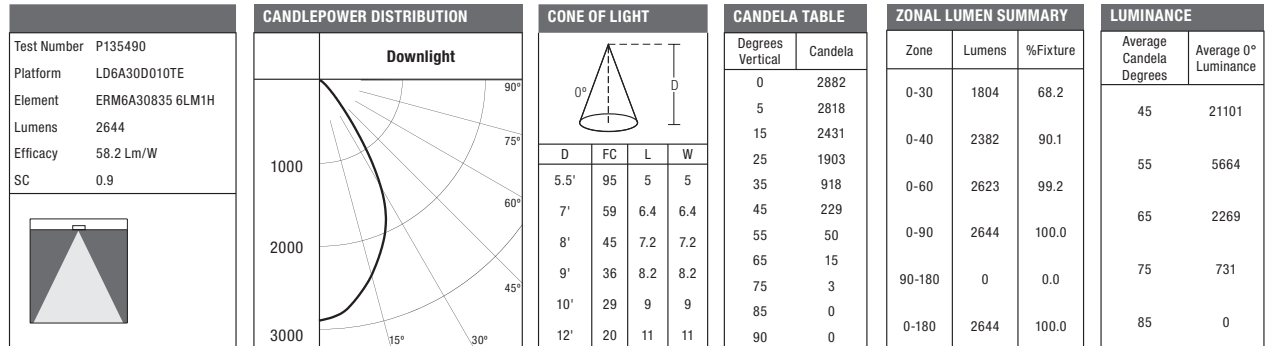


**Job Name:**  
Goodwill Industries - ~~Skokie, IL~~  
Madison WI

**Catalog Number:**  
LD6A15D010TE ERM6A15840  
6LM1H  
Notes:

**Type:**  
~~O17~~  
ELL16-55705 Type B

LD6A10 LD6A15 LD6A20 LD6A30 6LM

**PHOTOMETRICS****EM MULTIPLIER DATA**

LUMENS	EM MULTIPLIER	
	7	14
900/1000	0.50	0.99
1300/1500	0.29	0.57
1800/2000	0.22	0.44
2800/3000	0.16	0.32





**Job Name:**  
Goodwill Industries - ~~Skokie, IL~~  
Madison WI

**Catalog Number:**  
LD8A301D010TE ER8A30840  
8LM1H  
Notes:

**Type:**  
~~O18~~  
ELL16-55705 Type C

## Portfolio

### DESCRIPTION

8-inch LED recessed medium beam downlight with 50° cut off specially designed for LED technology. Two-stage reflector system produces smooth distribution with excellent light control and low aperture brightness. Offered with 1000-15,000 lumens with color temperatures of 2700K, 3000K, 3500K, 4000K available in 80 or 90 CRI.

### SPECIFICATION FEATURES

**Lower Shielding Reflector**  
Self-flanged, spun .060" thick aluminum lower reflector in combination with a lensed upper optical chamber provides superior lumen output with minimal source brightness. Available in all Portfolio Alzak® finishes.

#### Trim Retention

Lower reflector is retained with two torsion springs holding the flange tightly to the finished ceiling surface.

#### Plaster Frame / Collar

Die cast aluminum 1-1/2" deep collar accommodates ceiling materials up to 2".

#### Universal Mounting Bracket

Accepts 1/2" EMT, C channel and bar hangers and adjusts 5" vertically from above and below the ceiling.

#### Junction Box

(4) 1/2" and (2) 3/4" trade size pry outs positioned to allow straight conduit runs. Listed for (8) #12

AWG (four in, four out) 90°C conductors and feed thru branch wiring.

#### Thermal

Forged aluminum heat sink conducts heat away from the LED module for improved performance and longer life.

#### LED

LED system contains a plurality of high brightness white LED's combined with a high reflectance upper reflector and convex transitional lens producing even distribution with no pixilation. Rated for 50,000 hours at 70% lumen maintenance. Color variation within 3-step MacAdam ellipses. Flexible disconnect allows for tool-less replacement of LED engine from below ceiling. Available in 80 or 90 CRI.

#### Driver

Combination 0-10V/trailing edge driver provides flicker free dimming from 100% to 10%. Optional 1% 0-10V, Fifth Light,

DMX or Lutron® Ecosystem. Driver can be serviced from above or through the aperture. 1000, 1500, 2000 lumen utilize one driver. 3000-15,000 utilize two drivers, 12,000-15,000 lumen utilizes three drivers.

#### Code Compliance

Thermally protected and cULus listed for protected wet locations. cCSAus certified. Optional City of Chicago environmental air (CCEA) marking for plenum applications. EMI/ RFI emissions per FCC 47CFR Part 18 Class B consumer limits. Non-IC rated - Insulation must be kept 3" from top and sides of housing. RoHS Compliant. Photometric testing completed in accordance with IES LM 79 standards. LED life testing completed in accordance with LM 80 standards. 8000 lumen and above are marked spacing and must follow spacing requirements.

#### Warranty

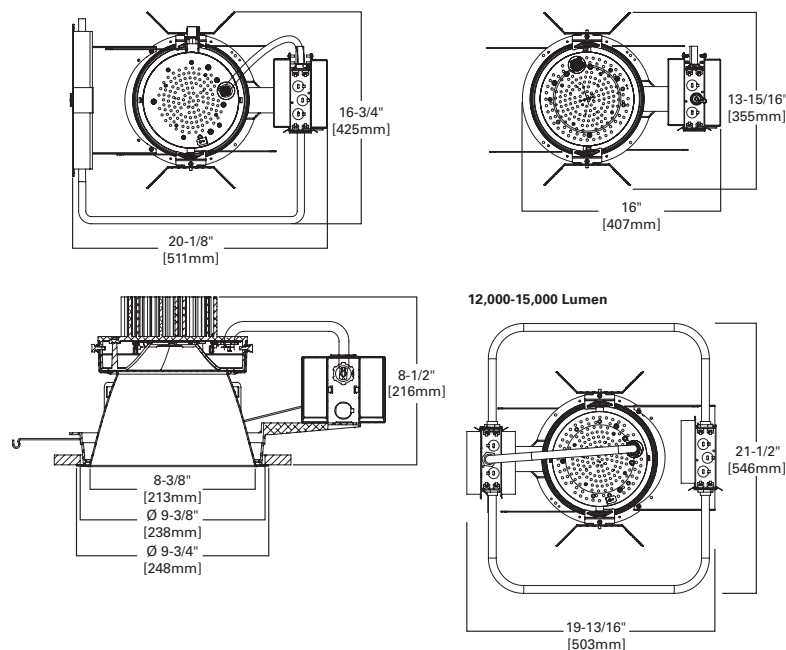
5 year warranty.



**LD8A  
ER8A  
8LM**

1,000-15,000 Lumen LED

8-Inch Medium Downlight  
New Construction





**Job Name:**  
Goodwill Industries - ~~Skokie, IL~~  
Madison WI

**Catalog Number:**  
LD8A301D010TE ER8A30840  
8LM1H  
Notes:

Type:

O18

ELL16-55705

Type C

LD8A50 8LM

## ORDERING INFORMATION

EXAMPLE: LD8A501DE010 ER8A50835 8LW111LI= 8" LED Wide Beam Reflector, 5000 Lumen, 3,500 K Color with Universal 120 - 277V, 0 - 10 Driver

Housing	Lumens <sup>1</sup>	Voltage	Driver	Options <sup>2</sup>	Power Module	Lumens	CRI	Color
LD8A=8" Aperture LD8ACP=8" Aperture, Chicago Plenum	1=1000 Lumens 15=1500 Lumens 20=2000 Lumens 30=3000 Lumens 40=4000 Lumens 50=5000 Lumens 60=6000 Lumens 65=6500 Lumens 80=8000 Lumens <sup>5</sup> 90=9000 Lumens <sup>5</sup> 100=10000 Lumens <sup>5</sup> 120=12000 Lumens <sup>5</sup> 150=15000 Lumens <sup>5</sup>	1=120V 2=277V Blank=120-277V 1000, 1500, and 2000 lumen only	1000, 1500, 2000, 3000, 4000, 5000, 6000, 8000, 9000, 10,000 <sup>6</sup> 12,000 AND 15,000 LUMEN D010TE=0-10V 10% Dimming or Trailing Edge Dimming <sup>4</sup> 1000, 1500, 2000, 3000, 4000, 5000, 6000 AND 8000 LUMEN D5LT=5th Light® DALI 0% Dimming DMX=DMX 0% Dimming DE010=0-10V 1% Dimming 1000, 1500, 2000, 3000, 4000, 5000 AND 6000 LUMEN DL3=1% Lutron® Hi-Lume 3-Wire or Ecosystem D010TR=0-10V 10% Dimming or Leading Edge <sup>4</sup> 6500 LUMEN D010=0-10V 10% Dimming DE010=0-10V 1% Dimming	EM7=7W Emergency Module with Remote Test Switch <sup>3</sup> EM14=14W Emergency Module with Remote Test Switch <sup>3</sup> IEM7=7W Emergency Module with Integral Test Switch <sup>3</sup> IEM14=14W Emergency Module with Integral Test Switch <sup>3</sup> EMBOD=7W Bodine® Emergency Module with Remote Test Switch <sup>3</sup> IEMBOD=7W Bodine® Emergency Module with Integral Test Switch	ER8A=8" Module ER8ACP=8" Module, Chicago Plenum	10=1000 Lumens 15=1500 Lumens 20=2000 Lumens 30=3000 Lumens 40=4000 Lumens 50=5000 Lumens 60=6000 Lumens 65=6500 Lumens 80=8000 Lumens <sup>5</sup> 90=9000 Lumens <sup>5</sup> 100=10000 Lumens <sup>5</sup> 120=12000 Lumens <sup>5</sup> 150=15000 Lumens <sup>5</sup>	8=80 CRI 9=90 CRI	27=2700° K 30=3000° K 35=3500° K 40=4000° K

Reflector	Finish	Options	Accessories
8LM0=8" Medium Reflector, Polymer Trim Ring 8LM1=8" Medium Reflector, Self-flanged 8LM0E=8" Medium Reflector, Polymer Trim Ring for use with IEM Integral Emergency option 8LM1E=8" Medium Reflector, Self-flanged Trim Ring for use with IEM Integral Emergency option	L=Specular Clear H=Semi-Specular Clear WMH=Warm Haze G=Specular Gold WH=Wheat WHH=Wheat Haze GP=Graphite GPH=Graphite Haze	B=Specular Black W=Gloss White 8LM0 Only BB=Black Baffle WB=White Baffle Self-flanged Only WF=White Painted Flange	HB26=C-channel Bar Hanger, 26" Long, Pair HB50=C-channel Bar Hanger, 50" Long, Pair RMB22=Wood Joist Bar Hanger, 22" Long, Pair H347=347 to 120V Step Down Transformer, 75VA H347200=347 to 120V Step Down Transformer, 200VA Housings, Specify Slope HSA8=Slope Adapter for 8" Aperture Housings, Specify Slope LGSKT8IP65=IP65 Gasket Kit

- Notes:** 1. Nominal Lumens will vary depending on selected color, driver and reflector finish.  
2. Not available with Chicago Plenum.  
3. Not CSA approved.  
4. Trailing edge and leading edge 120V only.  
5. Product is marked spacing and must be installed with the following minimum spacing:  
Center to Center of adjacent luminaires : 36"  
Center of Luminaire to Side of Building Member : 18"  
Minimum Overhead Clearance: 9"  
6. 0-10V recommended

## ENERGY DATA

ENERGY DATA	
Sound Rating: Class A standards (Values at non-dimming line voltage)	
Minimum Starting Temperature: -20°C (-4°F)	
Power Factor: >0.90	

1000 Lumen D010TE	
120V Input Power: 15W	277V Input Power: 15W
120V Input Current: 0.13A	277V Input Current: 0.06A
Inrush 120 (Ap): 0.486	Inrush 277 (Ap): 0.848
Duration 120 (ms): 0.4	Duration 277 (ms): 0.182
THDi 120V: <13%	THDi 277V: <20%
Input Frequency: 50-60Hz	

1500 Lumen D010TE	
120V Input Power: 23W	277V Input Power: 24W
120V Input Current: 0.19A	277V Input Current: 0.09A
Inrush 120 (Ap): 0.717	Inrush 277 (Ap): 0.531
Duration 120 (ms): 1.58	Duration 277 (ms): 1.24
THDi 120V: <13%	THDi 277V: <20%
Input Frequency: 50-60Hz	

2000 Lumen D010TE	
120V Input Power: 23W	277V Input Power: 24W
120V Input Current: 0.19A	277V Input Current: 0.09A
Inrush 120 (Ap): 0.717	Inrush 277 (Ap): 0.531
Duration 120 (ms): 1.58	Duration 277 (ms): 1.24
THDi 120V: <13%	THDi 277V: <20%
Input Frequency: 50-60Hz	

3000 Lumen	
EMI/RFI: FCC Title 47 CFR, Part 15, Class B (Consumer)	
Input Power: 42W	THD: <20%
120V Input Current: 35A	277V Input Current: 16A
Inrush 120 (Ap): 0.531	Inrush 277 (Ap): 1.15
Duration 120 (ms): 0.405	Duration 277 (ms): 0.255
Input Frequency: 50-60Hz	

ENERGY DATA	
Sound Rating: Class A standards (Values at non-dimming line voltage)	
Minimum Starting Temperature: -20°C (-4°F)	
Power Factor: >0.90	

4000 Lumen D010TE	
EMI/RFI: FCC Title 47 CFR, Part 15, Class B (Consumer)	
Input Power: 58W	THD: <20%
120V Input Current: 48A	277V Input Current: 21A
Inrush 120 (Ap): 0.787	Inrush 277 (Ap): 1.09
Duration 120 (ms): 1.16	Duration 277 (ms): 1.75
Input Frequency: 50-60Hz	

5000 Lumen D010TE	
EMI/RFI: FCC Title 47 CFR, Part 15, Class B (Consumer)	
Input Power: 62W	THD: <17%
120V Input Current: 52A	277V Input Current: 22A
Inrush 120 (Ap): 0.787	Inrush 277 (Ap): 1.09
Duration 120 (ms): 1.16	Duration 277 (ms): 1.75
Input Frequency: 50-60Hz	

6000 Lumen D010TE	
EMI/RFI: FCC Title 47 CFR, Part 15, Class B (Consumer)	
Input Power: 77W	THD: <17%
120V Input Current: 64A	277V Input Current: 28A
Inrush 120 (Ap): 0.87	Inrush 277 (Ap): 0.96
Duration 120 (ms): 0.39	Duration 277 (ms): 0.31
Input Frequency: 50-60Hz	

6500 Lumen D010	
Input Power: 84W	THD: <17%
120V Input Current: 70A	277V Input Current: 30A
Inrush 120 (Ap): 2.88	Inrush 277 (Ap): 3.68
Duration 120 (ms): 0.815	Duration 277 (ms): 1.29
Input Frequency: 50-60Hz	

ENERGY DATA	
Sound Rating: Class A standards (Values at non-dimming line voltage)	
Minimum Starting Temperature: -20°C (-4°F)	
Power Factor: >0.90	

8000 Lumen D010TE	
120V Input Power: 96W	277V Input Power: 96W
120V Input Current: 79A	277V Input Current: 36A
Inrush 120 (Ap): 1.09	Inrush 277 (Ap): 1.23
Duration 120 (ms): 0.3	Duration 277 (ms): 0.294
THDi 120V: <13%	THDi 277V: <20%
Input Frequency: 50-60Hz	

9000 Lumen D010TE	
120V Input Power: 108W	277V Input Power: 107W
120V Input Current: 89A	277V Input Current: 39A
Inrush 120 (Ap): 0.48	Inrush 277 (Ap): 1.316
Duration 120 (ms): 0.1	Duration 277 (ms): 0.52
THDi 120V: <13%	THDi 277V: <20%
Input Frequency: 50-60Hz	

10,000 Lumen D010TE	
120V Input Power: 126W	277V Input Power: 123W
120V Input Current: 1.05A	277V Input Current: 47A
Inrush 120 (Ap): 1.312	Inrush 277 (Ap): 1.856
Duration 120 (ms): 0.05	Duration 277 (ms): 0.1
THDi 120V: <13%	THDi 277V: <20%
Input Frequency: 50-60Hz	

12,000 Lumen D010TE	
120V Input Power: 140W	277V Input Power: 141W
120V Input Current: 1.17A	277V Input Current: 0.51A
Inrush 120 (Ap): 1.09	Inrush 277 (Ap): 1.23
Duration 120 (ms): 0.3	Duration 277 (ms): 0.294
THDi 120V: <13%	THDi 277V: <20%
Input Frequency: 50-60Hz	



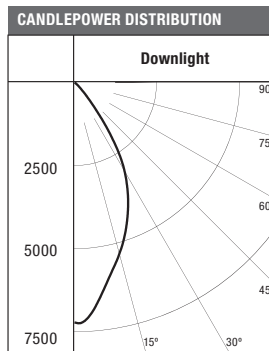
**Job Name:**  
Goodwill Industries - ~~Skokie, IL~~  
Madison WI

**Catalog Number:**  
LD8A301D010TE ER8A30840  
8LM1H  
Notes:

**Type:**  
**O18**  
ELL16-55705 Type C

LD8A50 8LM

## PHOTOMETRICS



Test Number P112343  
LD8A50D010TE ER8A50835 8LM0LI  
Lumens 4962 Lm  
Efficacy 80 Lm/W  
CCT 3500K  
SC 0.8

**CONE OF LIGHT**

Distance Fixture to Lighted Plane	Initial Footcandles at Nadir	Beam Diameter
12.5'	42	10
15'	29	12
20'	16	16
24'	11	19
28'	8	22

**CANDELA TABLE**

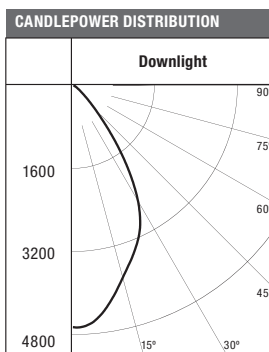
Degrees Vertical	Candela
0	6445
5	6573
15	5323
25	3488
35	1582
45	316
55	26
65	0
75	1
85	0
90	0

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Fixture
0-30	3598	72
0-40	4641	93
0-60	4952	99
0-90	4962	100
90-180	0	0
0-180	4962	100

**LUMINANCE**

Average Candella Degrees	Average 0° Luminance
45	13773
55	1421
65	0
75	166
85	0



Test Number P112599  
LD8A50D010TE ER8A50835 8LM0H  
Lumens 4461 Lm  
Efficacy 71.9 Lm/W  
CCT 3500K  
SC 1

**CONE OF LIGHT**

Distance Fixture to Lighted Plane	Initial Footcandles at Nadir	Beam Diameter
12.5'	21	13
15'	15	16
20'	8	22
24'	6	26
28'	4	30

**CANDELA TABLE**

Degrees Vertical	Candela
0	2977
5	3234
15	3611
25	3268
35	2011
45	822
55	173
65	19
75	0
85	0
90	0

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Fixture
0-30	2455	48
0-40	3741	74
0-60	4872	96
0-90	5035	100
90-180	0	0
0-180	5035	100

**LUMINANCE**

Average Candella Degrees	Average 0° Luminance
45	35859
55	9275
65	1421
75	0
85	0

## EM MULTIPLIER DATA

LUMENS	EM MULTIPLIER	
	7	14
1000	0.47	0.93
1500	0.30	0.61
2000	0.30	0.61
3000	0.17	0.33
4000	0.12	0.24
5000	0.11	0.23
6000	0.09	0.18
6500		0.17
8000		0.15
9000		0.13
10000		0.11
120000		0.09
150000		0.08