



DISCOVERY

NARROW TROFFER

NARROW TROFFER

FEATURES

- Sleek, Compact and Modern Design offering high-quality illumination while modernizing any space
- Slim 4" Lens Width
- Available in White, Black, Silver or Custom Paint Finishes
- Available in 2FT, 4FT, and 8FT Sizes with Lumen Outputs of up to 12,000 Lumens. Lumen ranges per Foot of 500, 1,000, and 1,500 to accommodate a wide range of applications.
- Available in 30K, 35K, 40K or 50K CCT
- Grid, Flange, Surface & Skylight Mounting Options
- Integrated Wireless Controls Options allowing for seamless, remote management of site lighting

DIGITAL NAVIGATION

Explore the spec sheet through the links below

[ORDERING GUIDE](#)
[LED SYSTEMS TABLE](#)
[CONTROLS](#)
[LINE DRAWINGS](#)

SUITABLE APPLICATIONS

- Education
- Healthcare
- Commercial Office
- Retail
- Hospitality

CERTIFICATIONS



SPECIFICATIONS

CONSTRUCTION

A Compact and Sleek Steel housing body for rigidity, durability, and ease of installation. Designed to achieve maximum performance and improved aesthetics. Power access plate mounted on back of fixture for easy access to wiring. Product proudly assembled in the United States of America. Post-paint options available.

ELECTRICAL

Class 2 LED light engine for high efficacy and long life. Calculated L70 > 100,000 hrs. LED Lumen Maintenance Estimates based on TM-21 projections for the light source at 25°C ambient. Open air max ambient temperature of 104°F. Power Factor > 0.90. Standard 120-277 Vac 0-10V dimmable (10%-100%) with optional 1%, Dali Ready, Bi-Level & Line Voltage options available. Optional emergency battery backups available to meet critical life safety lighting requirements.

INSTALLATION

DNT fits into standard 9/16" & 15/16" T-grid ceiling. Optional Flange Kit, Surface Mount to ceiling, and Skylight for Added Depth mount options available. Access plate installed on top of fixture for easy hardwire power connections. Optional factory installed power flex conduit whip (MC) available to reduce electrical installation time.

OPTICS

Flat acrylic lens (0.04" thick) designed for enhanced durability and glare reduction from LEDs.

CONTROLS

Factory installed Advanced sensor options available to maximize energy savings. Sensors are installed integral to the fixture body. Please see more information below on Pages 3 & 4. Inquire with manufacturer for additional controls options, including customer supplied items.

CERTIFICATIONS

ETL Listed to US and Canadian safety standards. Suitable for insulation contact with Type IC rated. Suitable for damp locations. BAA & BABA Compliant options available. Title 24 Compliant with sensor option; see local ordinance for qualification information.

WARRANTY

5 Year Warranty Standard; 10 Year Warranty Optional (Terms and Conditions apply).



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ORDERING GUIDE

PART #

Example: DNT4-40L-U-40-EM10-MC6/4W

SERIES	LUMENS	DRIVER	80 CRI CCT	FINISH	ALT DRIVER
DNT2 2' Discovery Narrow Troffer	10L 1,000 lm	U 120-277V	50 5000K	BLANK White BLK Black SLV Silver PAF Post Painted White RALxxxx Custom (XXXX= 4 Digit RAL#)	SR Sensor Ready Driver DR DALI Ready Driver DIM1 1% Dimming Driver BLD ⁸ Bi-Level Dimming Driver w/ Two Hot Leads (100%/50%) LDE1 Lutron Hi-Lume Driver LVD120 ⁸ Mark X Phase Dimming 120V
	15L 1,500 lm		40 4000K		
	20L 2,000 lm		35 3500K		
	25L 2,500 lm		30 3000K		
	30L 3,000 lm				
DNT4 4' Discovery Narrow Troffer	20L 2,000 lm		90 CRI CCT		
	30L 3,000 lm		940 4000K		
	40L 4,000 lm		935 3500K		
	50L 5,000 lm		930 3000K		
	60L 6,000 lm				
DNT8 8' Discovery Narrow Troffer	40L 4,000 lm				
	60L 6,000 lm				
	80L 8,000 lm				
	100L 10,000 lm				
	120L 12,000 lm				

EMERGENCY ⁹	CONTROLS	METAL CONDUIT	WARRANTY
EM6 ^{1,7} 6W Battery Backup	ESMC ³ EasySense Grouping Sensor for Mounting Heights < 10ft 5E/CU/CL ⁵ Enlighted 5E Connected Lighting (CL) Sensor with Control Unit 5E/CU/IOT ⁵ Enlighted 5E Internet of Things (IOT) Sensor with Control Unit VDO ² Lutron Vive DFCSJ-OEM-OCC (Daylight & Occupancy) VRF ² Lutron Vive DFCSJ-OEM-RF (RF Only) AWN ^R Lutron Athena Wireless Node, Radio Frequency Only AWNS Lutron Athena Wireless Node, With Sensor LPP ^{5,6} Lutron Vive Wireless PowPak Control	MCx/xW Metal Flex Conduit (MCx= Length; x=6 or 10') (xW= # of Wires; x= 3, 4, 5, or 6)	BLANK 5YR
EM6/HE ^{1,7} 6W Battery Backup - CEC Title 20 Compliant			10YR Standard
EM6/HE/SD ^{1,7} 6W Self Diagnostic Battery Backup - CEC Title 20 Compliant			10YR 10 YR
EM10 ^{1,7} 10W Battery Backup Advanced			Optional
EM10/HE ^{1,7} 10W Battery Backup - CEC Title 20 Compliant			
EM10/HE/SD ^{1,7} 10W Battery Backup - Self Diagnostic			
EM12 ^{1,7} 12W Battery Backup			
GTD ¹ Generator Transfer Device			
DTS ¹ UL 924 Emergency Device			

SHIP WITH ACCESSORIES	
+DNTx SM xxx	DNT Surface Mount Kit (x=size, 2=2 Feet) (xxx=Finish, WHT=White)
+DNTx FLGK xxx	DNT Flange Kit (x=size, 2=2 Feet) (xxx=Finish, WHT=White)
+DNTx SLMK xxx	DNT Skylight Mount Kit (x=size, 2=2 Feet) (xxx=Finish, WHT=White)
ESMC/WWS/DR	EasySense Dual Rocker Wireless Wall Switch

FOOTNOTES

- ¹ Not available with DNT2
- ² Must be used with SR driver
- ³ Easily Controlled via Mobile Phone with Bluetooth App
- ⁴ Cannot be ordered with alternate driver options
- ⁵ Not available with SR, DR, BLD, LDE1, LVD120
- ⁶ Base fixture height increases to 6.3"
- ⁷ Minimum Ambient Temperature of 0°C
- ⁸ Is not compatible with any control options
- ⁹ Base fixture height increases to 4.3"



LED SYSTEMS

LED SYSTEMS INFO	3000K CCT		3500K CCT		4000K CCT		5000K CCT		Watts	CRI
Part #	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW		
DNT2-10L	987	110.1	1011	114.2	1028	114.5	1023	113.7	9	80
DNT2-15L	1519	108.3	1577	113.7	1604	114.0	1595	113.2	14	80
DNT2-20L	1756	107.9	1823	113.2	1854	113.5	1844	112.7	16	80
DNT2-25L	2415	105.8	2507	111.1	2549	111.4	2536	110.6	23	80
DNT2-30L	2763	103.8	2860	109	2908	109.2	2893	108.5	27	80
DNT4-20L	1963	122.5	2014	127.1	2072	128.9	2061	127.9	16	80
DNT4-30L	2967	119.6	3045	124.1	3132	125.8	3115	124.9	25	80
DNT4-40L	3947	116.7	4051	121	4166	122.8	4144	121.9	34	80
DNT4-50L	4798	113.7	4923	118	5064	119.7	5037	118.8	42	80
DNT4-60L	5811	113.8	5736	115	5900	116.6	5869	115.8	51	80
DNT8-40L	3830	121.3	3930	125.8	4043	127.6	4021	126.7	32	80
DNT8-60L	6002	118.4	6160	122.8	6336	124.6	6302	123.7	51	80
DNT8-80L	7815	115.5	8020	119.8	8249	121.5	8206	120.7	68	80
DNT8-100L	9499	112.6	9748	116.8	10027	118.5	9973	117.6	84	80
DNT8-120L	11252	109.7	11547	113.8	11877	115.4	11814	114.6	103	80

¹Values are nominal, check IES files for more detail

²Electrical data at 25°C(77°F). Actual wattage may differ by +/-10%.

³Estimated Average of 3% reduction in lumen output when installed with a sensor.

⁴Please refer to the DLC Qualified Products List at www.Designlights.org/QPL to confirm specific product qualifications.

⁵Open air max ambient temperature of 104°F

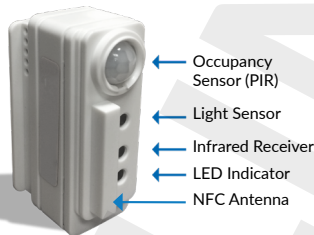
CONTROLS OPTIONS

ADVANCED

EASYSense

ESMC

EasySense sensor combines occupancy sensing, daylight harvesting and institutional tuning in one compact solution. This is an ideal control for any Commercial application. Each device allows you to turn on/off occupancy and/or daylight harvesting functions as well as set the full light output, background light level, occupancy prolong time, occupancy grace fading time & occupancy time out/hold time. It can be easily controlled via the Philips MasterConnect Bluetooth App on a mobile phone.



ENLIGHTED

5E/CU/CL

Bundled System with Enlighted 5E sensor (SU-5E-CL), Control Unit (CU-4E-FM) and Cable (CBL-5E-CU4-30N). Fixtures are controlled based on occupancy and ambient light. Includes individual lighting control plus connection to Enlighted Energy Manager. The Energy Manager provides data analysis for all data collected by the Enlighted Smart Sensors for energy, occupancy and environment. Provided with factory installed components only. Enlighted system provided by others. Contact factory for more information.



ESMC/WWS/DR

Optional Wireless / Batteryless Dual Rocker Wall Switch. Up to 100ft range. Functions include: On/Off, dimming and setting of (2) scenes for full room control.

Specifications:

- Wireless
- ZigBee®
- Batteryless
- 30-100ft Range
- Dual Rocker

Functions:

1. On (Hold to brighten up)
2. Off (Hold to dim down)
3. Scene 1
4. Scene 2



5E/CU/IOT

Bundled System with Enlighted 5E sensor (SU-5E-IOT), Control Unit (CU-4E-FM) and Cable (CBL-5E-CU4-30N). Fixtures are controlled based on occupancy and ambient light. Includes individual lighting control plus connection to Enlighted Energy Manager. Energy Manager provides data analysis for all data collected by Enlighted Smart Sensors for energy, occupancy & environment. Additionally, the IOT functionality takes the data access and function beyond just lighting to a wide range of applications beyond the standard connected lighting controls. Provided with factory installed components only. Enlighted system provided by others. Contact factory for more information.



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CONTROLS OPTIONS CONTINUED

LUTRON

VDO

Vive DFCSJ-OEM-OCC integral fixture control sensor with daylight & occupancy. Vive provides intuitive programming allowing for maximum flexibility with wireless communication & sensing as desired. Provided with factory installed components only. Lutron system provided by others. Sensor must be used in conjunction with Pico Switch/Dimmer. Cannot be used in conjunction with mechanical on/off power switch. Contact factory for more information.



VRF

Vive DFCSJ-OEM-RF integral fixture control with Radio Frequency (RF) communication. Vive provides intuitive programming allowing for maximum flexibility with wireless communication as desired. Provided with factory installed components only. Lutron system provided by others. Sensor must be used in conjunction with Pico Switch/Dimmer. Cannot be used in conjunction with mechanical on/off power switch. Contact factory for more information.



AWNRR

Athena wireless node is a radio frequency (RF) device that enables simple, digital control of individual light fixtures in an Athena control system. Enables individual wireless control of each fixture in an Athena control system. Accommodates zone and control changes without rewiring. All drivers on the link are controlled as a single zone. Provided with factory installed components only. Lutron Athena system provided by others.



AWNRS

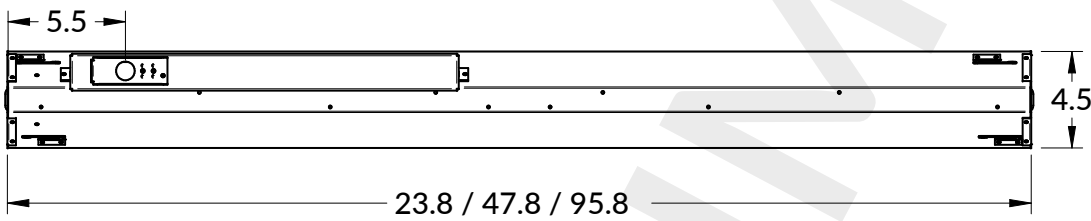
Athena wireless node with a sensor that enables simple, digital control of individual light fixtures in an Athena control system. Provides wireless control of the fixture and includes a passive infrared (PIR) sensor for occupancy and a daylight sensor. Enables individual wireless control of each fixture in an Athena control system. Accommodates zone and control changes without rewiring. All drivers on the link are controlled as a single zone. Provided with factory installed components only. Lutron Athena system provided by others.



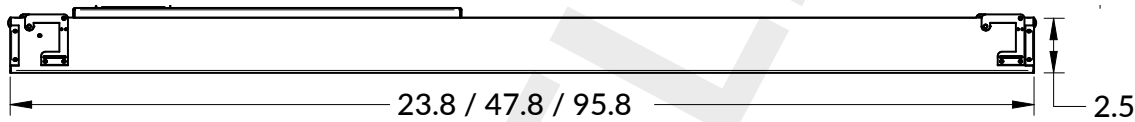
LINE DRAWINGS *Dimensions shown in inches*

DNTx

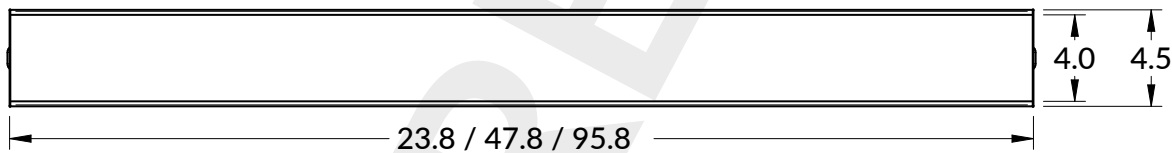
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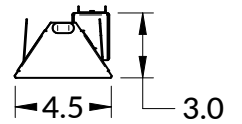
Side



Bottom



End View





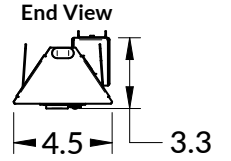
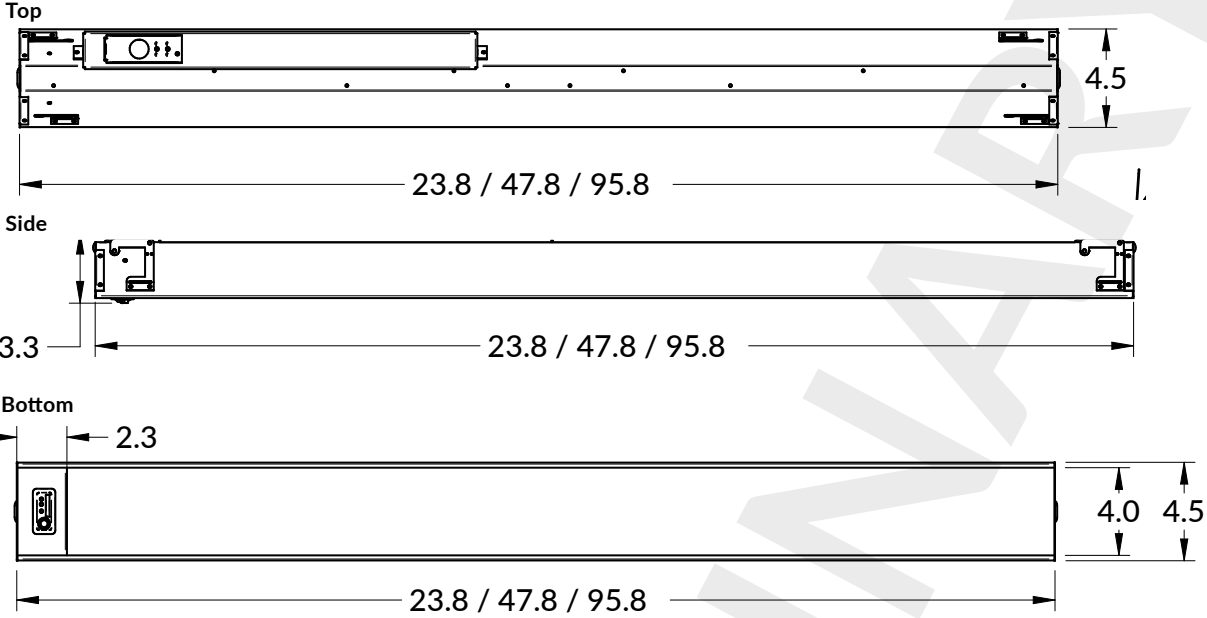
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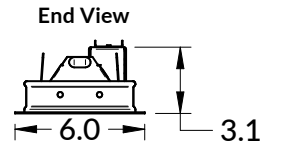
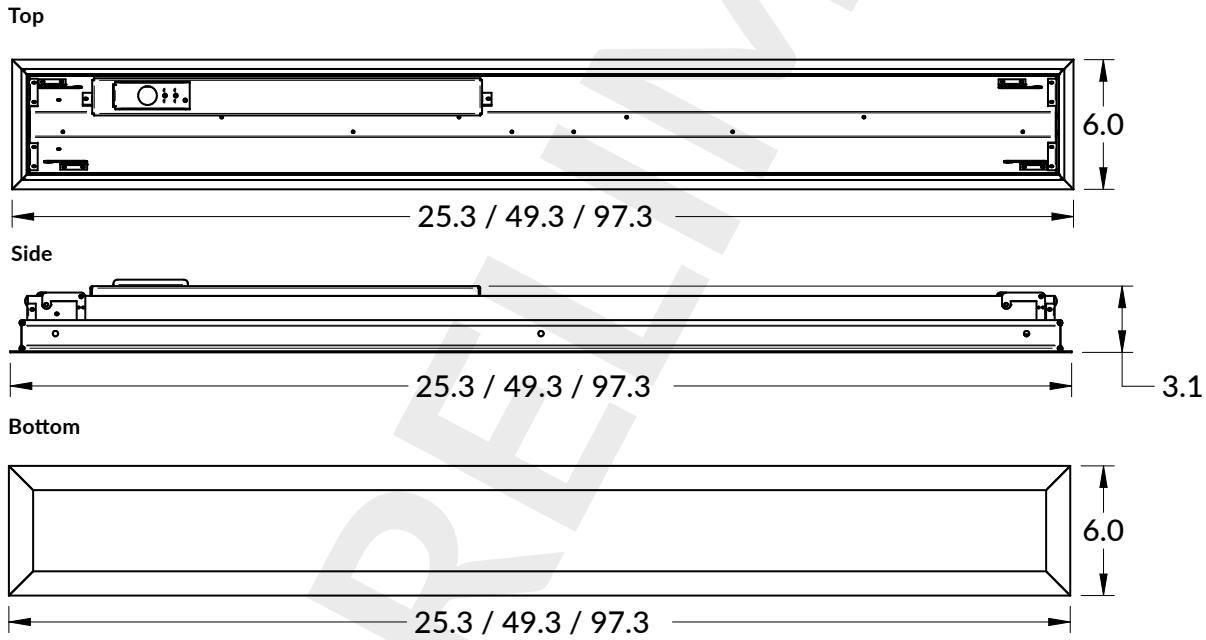
NARROW TROFFER

LINE DRAWINGS Continued

DNTx SENSOR ASSEMBLY



DNTx FLGK



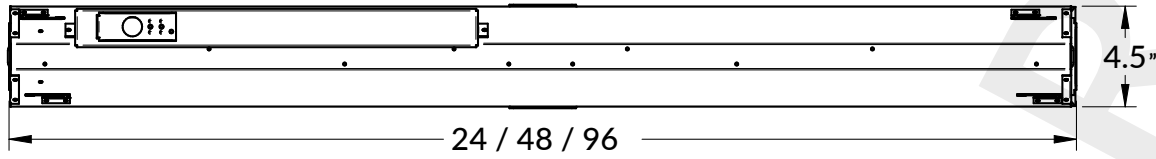


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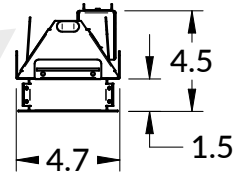
LINE DRAWINGS Continued

DNTx SLMK

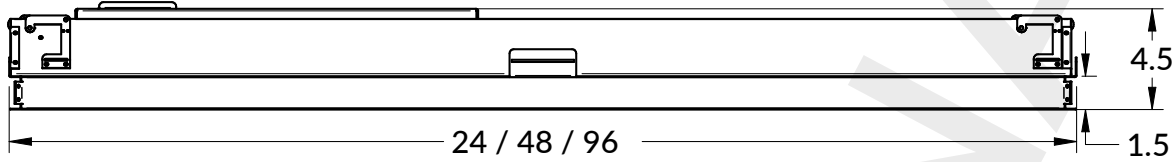
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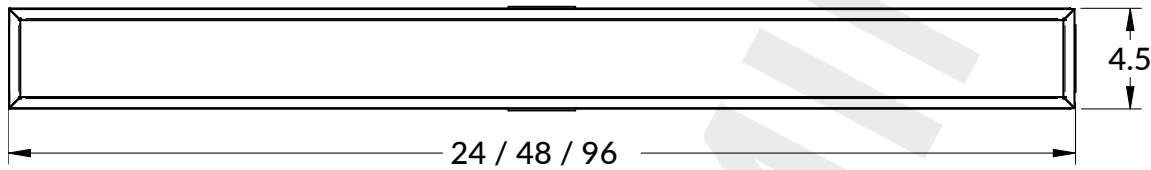
End View



Side

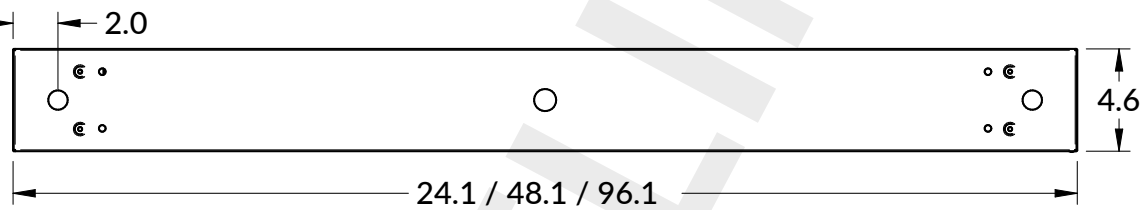


Bottom

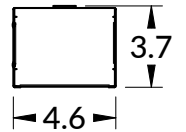


DNTx SM

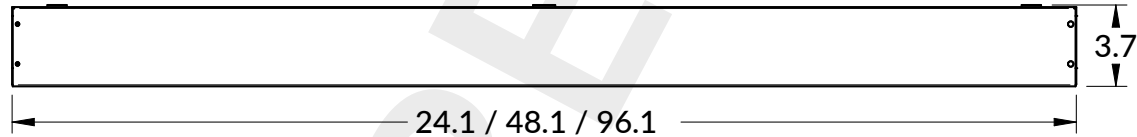
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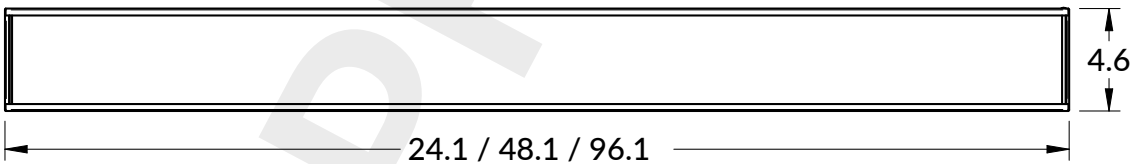
End View



Side



Bottom



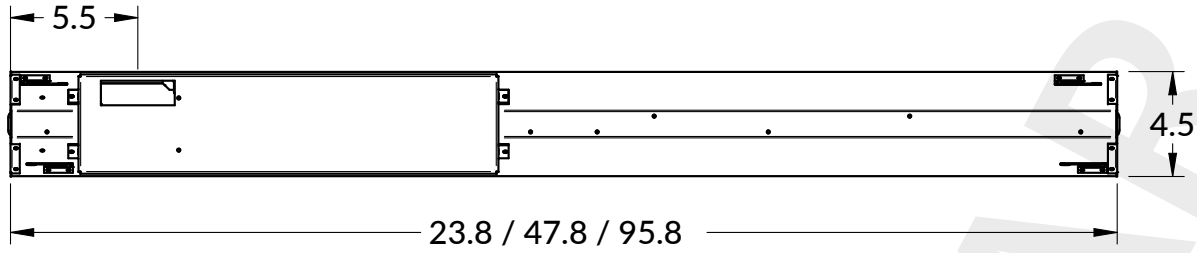


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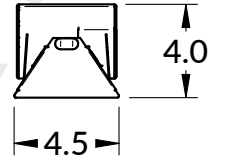
LINE DRAWINGS Continued

DNTx EM

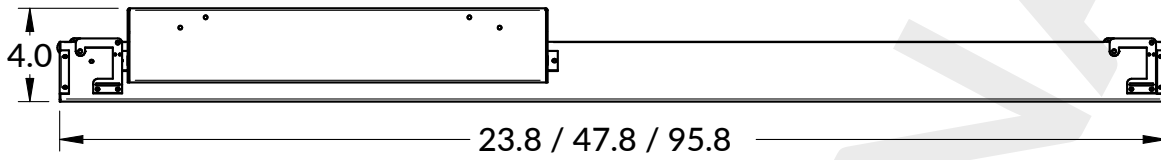
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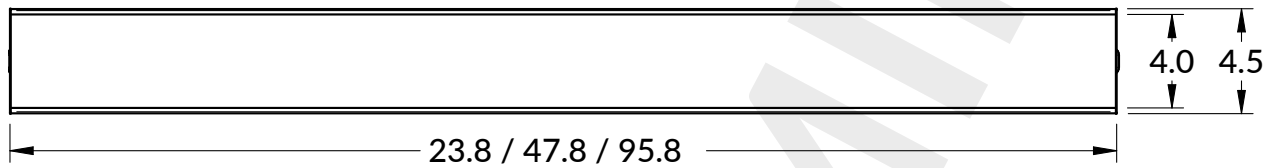
End View



Side



Bottom



PRELIMINARY



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PRELIMINARY



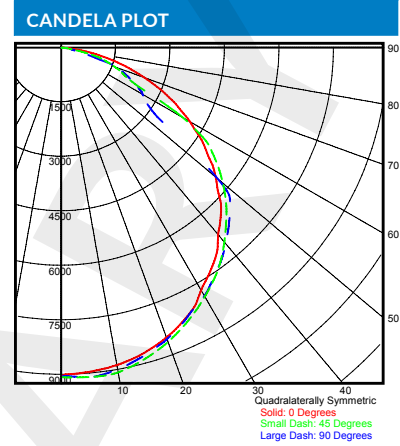
DISCOVERY

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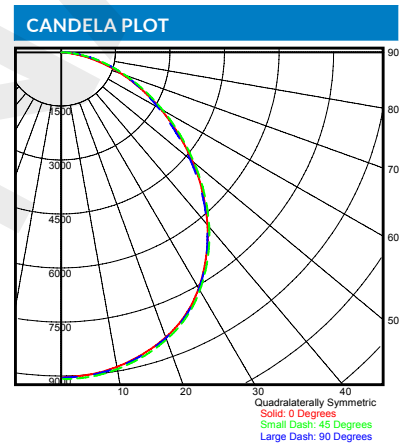
LUMINAIRE DATA	
Part Number	
Description	
Fixture Lumens (lm)	
Wattage (W)	
Efficacy (lm/W)	
Mounting	
Spacing Criteria	

ZONAL LUMEN SUMMARY		
Zone	Lumens (lm)	% Fixture
0° - 40°		
0° - 60°		
0° - 90°		
90° - 180°		
0° - 180°		



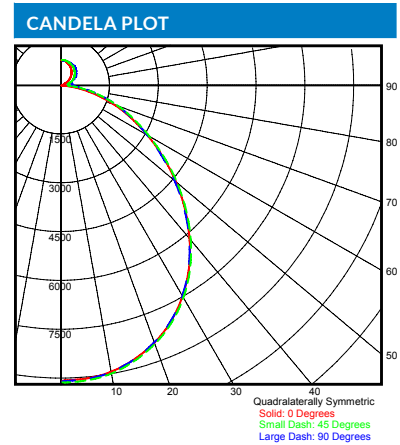
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