



DISCOVERY

NARROW TROFFER

PRODUCT
OVERVIEW



SCAN OR
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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

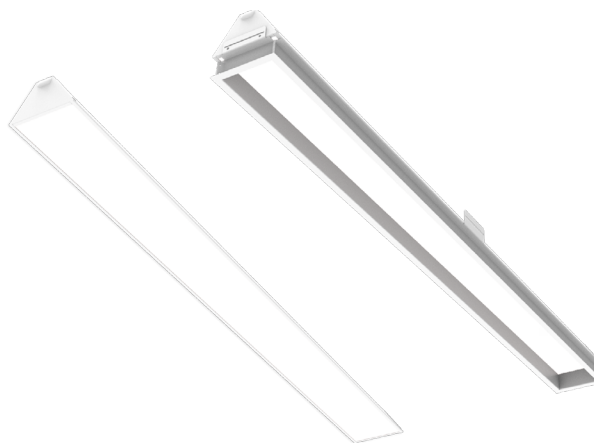
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SUITABLE APPLICATIONS

- Education
- Commercial Office
- Healthcare
- 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 compliant. Title 24 Compliant with sensor option; see local ordinance for qualification information. DLC (DesignLights Consortium) Qualified. Please refer to the DLC Qualified Products List at www.DesignLights.org/QPL to confirm specific product qualifications.

WARRANTY

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

ORDERING GUIDE

PART #

Example: DNT4-40L-U-40-EM10-NURO

SERIES	LUMENS	DRIVER	80 CRI CCT	FINISH	ALT DRIVER
DNT2 2' Discovery Narrow Troffer	10L 1,000 lm 15L 1,500 lm 20L 2,000 lm 25L 2,500 lm 30L 3,000 lm	U 120-277V	50 5000K 40 4000K 35 3500K 30 3000K	BLANK White BLK Black SLV Silver PAF Post Painted White RALxxxx Custom (XXXX= 4 Digit RAL#)	BLANK None 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
DNT4 4' Discovery Narrow Troffer	20L 2,000 lm 30L 3,000 lm 40L 4,000 lm 50L 5,000 lm 60L 6,000 lm		90 CRI CCT 940 4000K 935 3500K 930 3000K		
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
BLANK None EM6 ⁷ 6W Battery Backup EM6/HE ⁷ 6W Battery Backup - CEC Title 20 Compliant EM6/HE/SD ⁷ 6W Self Diagnostic Battery Backup - CEC Title 20 Compliant EM10 ⁷ 10W Battery Backup Advanced EM10/HE ⁷ 10W Battery Backup - CEC Title 20 Compliant EM10/HE/SD ⁷ 10W Battery Backup - Self Diagnostic EM12 ⁷ 12W Battery Backup GTD Generator Transfer Device DTS UL 924 Emergency Device	BLANK None NURO ^{3,5} NUROAir Integrated Bluetooth Groupable Sensor ESMC ³ EasySense Grouping Sensor for Mounting Heights < 10ft VDO ² Lutron Vive DFCSJ-OEM-OCC (Daylight & Occupancy) VRF ² Lutron Vive DFCSJ-OEM-RF (RF Only) AWNR Lutron Athena Wireless Node, Radio Frequency Only AWNS Lutron Athena Wireless Node, With Sensor LPP ^{5,6} Lutron Vive Wireless PowPak Control	BLANK None MCx/yW Metal Flex Conduit (MCx= Length; x=6 or 10') (yW= # of Wires; x= 3, 4, 5, or 6)	BLANK 5YR Standard 10YR 10 YR Optional

SHIP WITH ACCESSORIES	
BLANK	None
NURO-SW-3B-BA-BL-WP-V1	NUROAir Bluetooth 3-Key Wireless Battery Powered Wall Switch
NURO-SW-5B-BA-BL-WP-V1	NUROAir Bluetooth 5-Key Wireless Battery Powered Wall Switch
NURO-SW-7B-AC-BL-WP-V1	NUROAir Bluetooth 7-Key Line Voltage (AC 120-277V) Powered Wall Switch
+DNTx SM xxx	DNT Surface Mount Kit (x=size, 2=2 Feet) (xxx=Finish, WHT=White)
+DNTx FLGK xxx ¹⁰	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"

¹⁰ DNT8 FLGK will have Extended Lead Time, please Contact Factory for more

LED SYSTEMS

LED SYSTEMS INFO	3000K CCT			3500K CCT			4000K CCT			5000K CCT			Watts	CRI	DLC
	Part #	Lumens	LPW	lm/ft	Lumens	LPW	lm/ft	Lumens	LPW	lm/ft	Lumens	LPW			
DNT2-10L	1071	118.1	536	1080	121.5	540	1118	125.7	559	1094	122.7	547	9	80	Standard
DNT2-15L	1612	117.4	806	1648	120.7	824	1705	124.9	852.7	1668	122	834	14	80	
DNT2-20L	1931	116.7	966	1974	120	987	2043	124.2	1021.5	1998	121.2	999	16	80	
DNT2-25L	2625	120.2	1313	2686	123.6	1343	2779	127.9	1389.4	2718	124.9	1359	22	80	Standard
DNT2-30L	2956	111.3	1478	3056	115.8	1528	3162	119.8	1581	3093	116.9	1546	26	80	
DNT4-20L	2017	125.7	504	2090	130.3	522	2181	134.8	545.3	2129	131.6	532	16	80	Standard
DNT4-30L	2955	123.7	739	3061	128.1	765	3323	132.6	830.7	3118	129.4	779	24	80	Standard
DNT4-40L	3991	121.6	998	4135	126	1034	4336	130.4	1084	4211	127.3	1053	33	80	Standard
DNT4-50L	4943	119.6	1236	5121	123.9	1280	5274	128.2	1318.4	5215	125.1	1304	42	80	Standard
DNT4-60L	5960	117.4	1490	6094	121.7	1524	6361	126	1590.2	6206	123	1552	50	80	Standard
DNT8-40L	3769	126.6	471	3905	131.1	488	4075	135.7	509.4	3976	132.5	497	30	80	Standard
DNT8-60L	6062	124	758	6280	128.5	785	6555	133	819.4	6396	129.8	800	49	80	Standard
DNT8-80L	7987	121.5	998	8274	125.9	1034	8636	130.3	1079.5	8426	127.2	1053	66	80	Standard
DNT8-100L	9838	119	1230	10192	123.3	1274	10638	127.6	1329.7	10379	124.5	1297	83	80	Standard
DNT8-120L	11740	116.5	1468	12162	120.7	1520	12695	124.8	1586.8	12386	121.9	1548	101	80	Standard

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

NUROAir by ILLUMUS

NURO

NUROAir Integrated Bluetooth Sensor is the optimal groupable controls lighting solution. With main features such as PIR Motion Sensing, Occupancy/Vacancy, Bi-Level Dimming and Daylight Harvesting - this flexibility makes the NUROAir Integrated Sensor ideal for tailoring lighting to specific space needs, optimizing both ambiance and efficiency. The NUROAir App, available for download on iOS and Google Play Store, offers a user-friendly interface for automatic or manual customization of your space. Through the app, users can configure sensor settings such as the Light Output, Hold Time, Standby Time/Level, High/Low End Trim, Background Light Level, Set Schedules, and Control Lighting Groups or Zones, all from a mobile or tablet device. Manual control is also available with a range of compatible wireless & wired wall switch options.



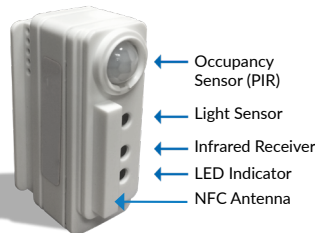
Click Here or Scan Code to Learn More About

NUROAir Bluetooth Controls

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.



ESMC/WWS/DR

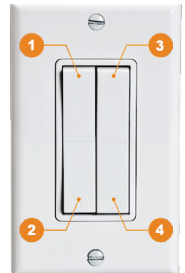
Optional Wireless / Batteryless Dual Rocker Wall Switch. Up to 100ft range. Functions include: On/Off, dimming and setting of (2) scenes for full room control.

Specifications:

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

Functions:

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



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.



AWNS

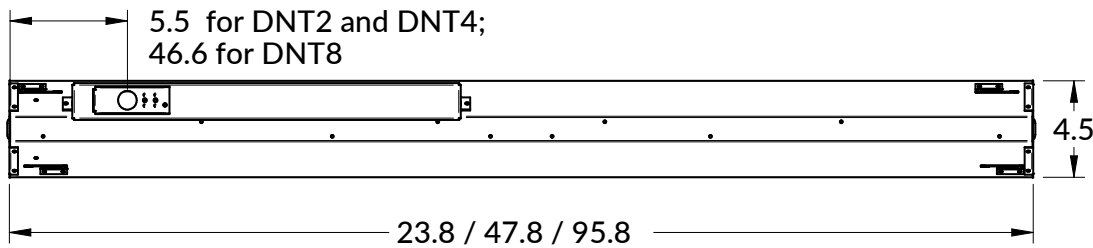
Athena wireless node with a sensor that enables simple, digital control of individual light fixtures in an Athena control system. Provides wireless control of the fixture and includes a passive infrared (PIR) sensor for occupancy and a daylight sensor. Enables individual wireless control of each fixture 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.



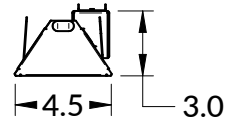
LINE DRAWINGS *Dimensions shown in inches*

DNTx

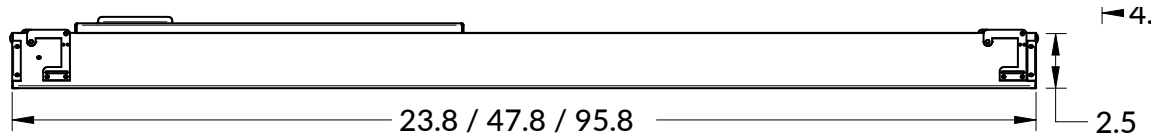
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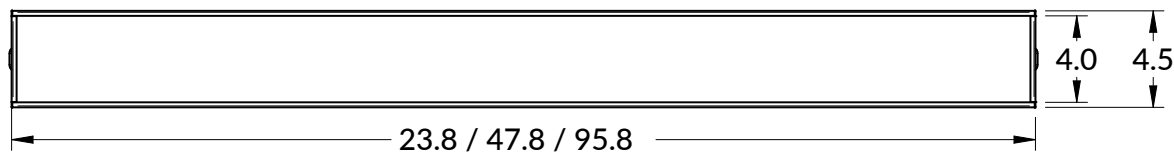
End View



Side

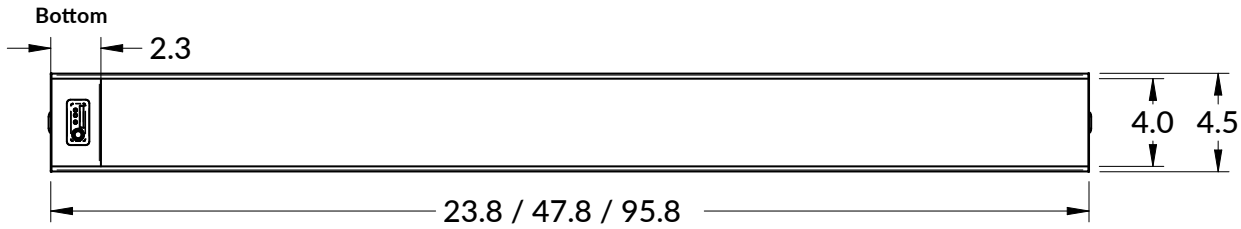
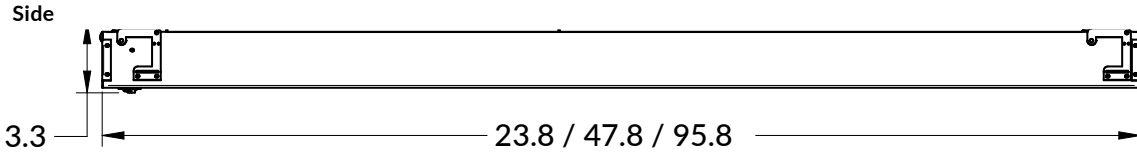
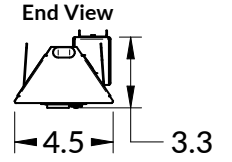
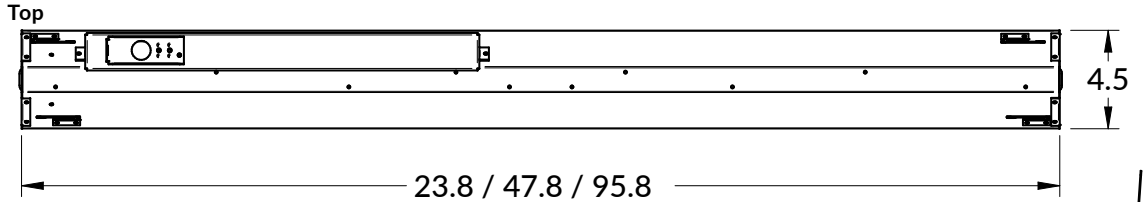


Bottom

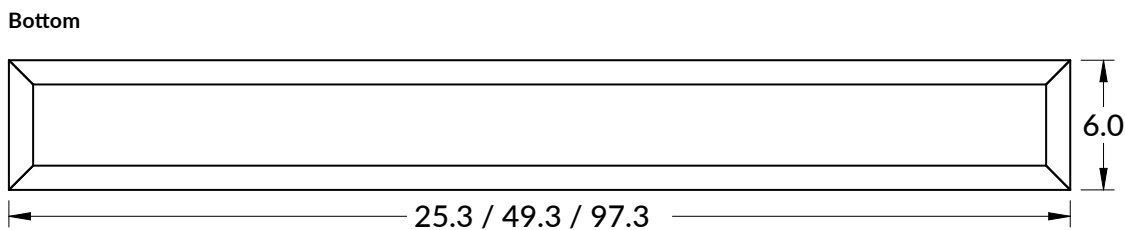
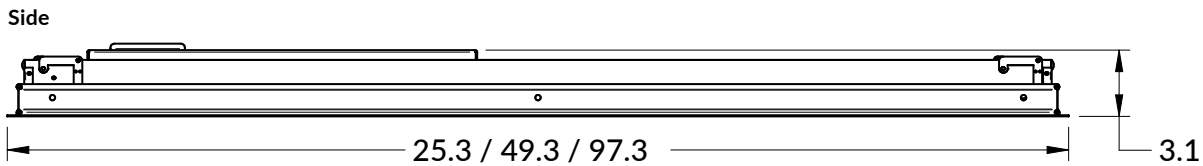
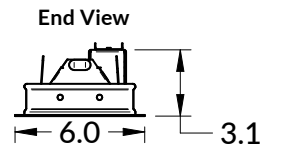
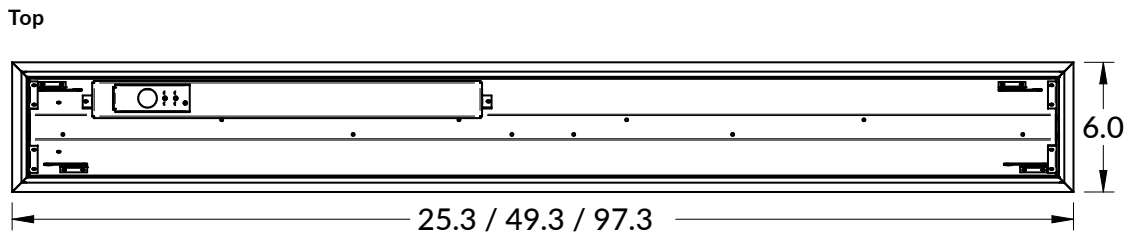


LINE DRAWINGS Continued

DNTx SENSOR ASSEMBLY



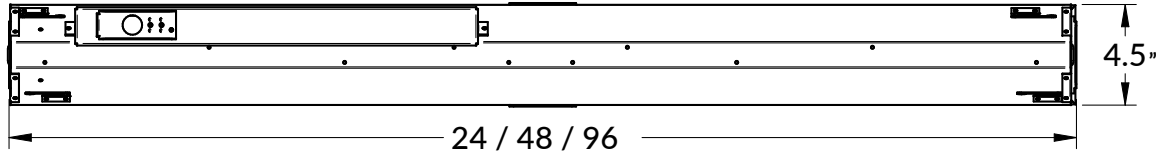
DNTx FLGK



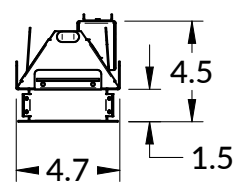
LINE DRAWINGS Continued

DNTx SLMK

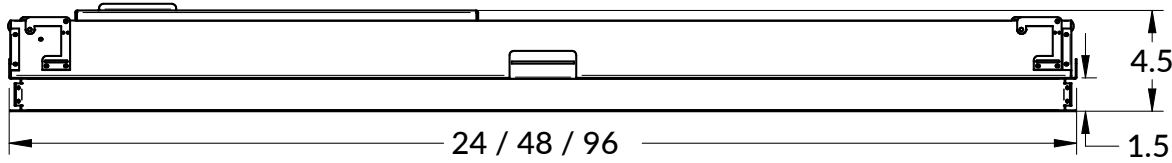
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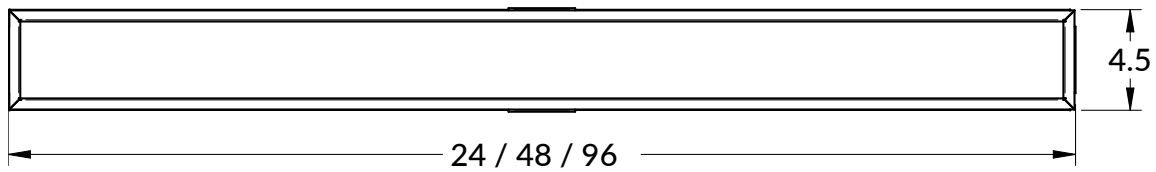
End View



Side

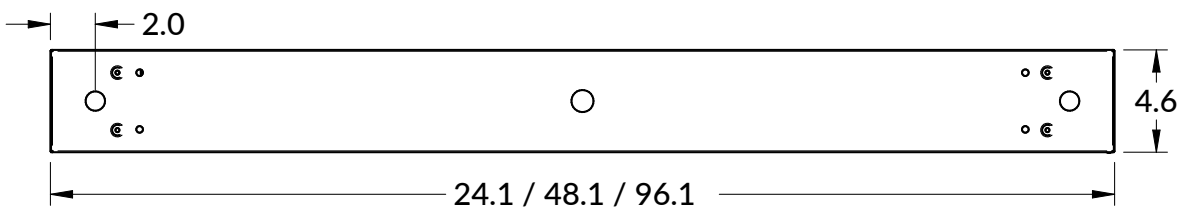


Bottom

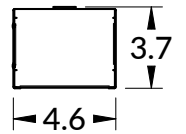


DNTx SM

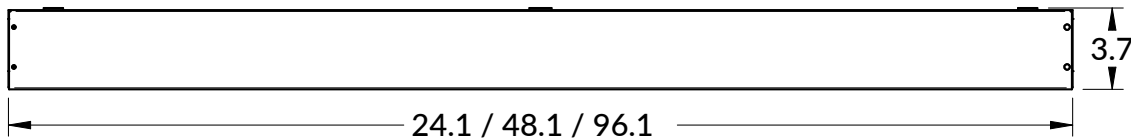
Top



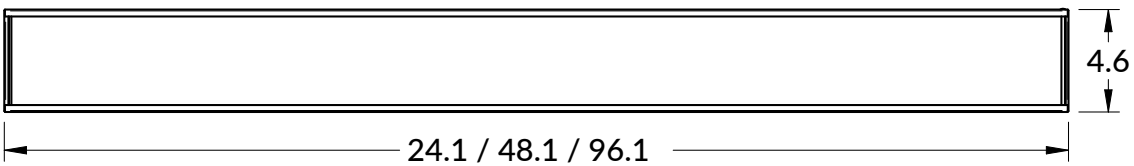
End View



Side



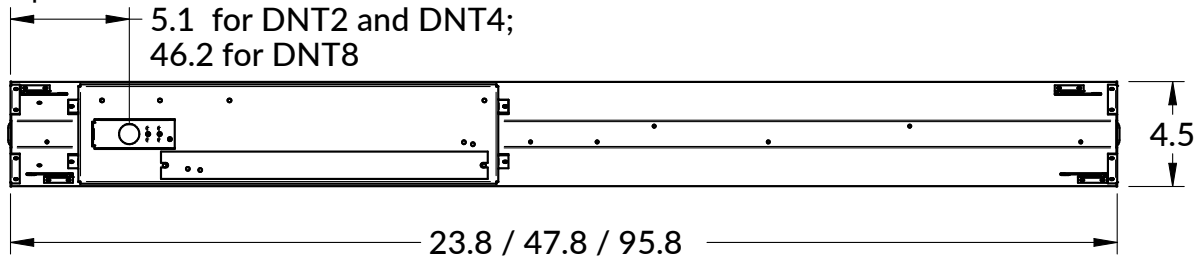
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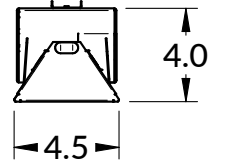
LINE DRAWINGS Continued

DNTx EM

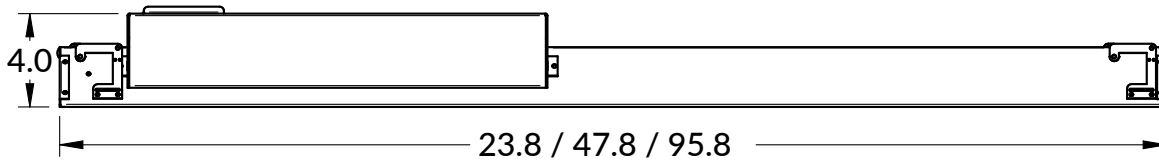
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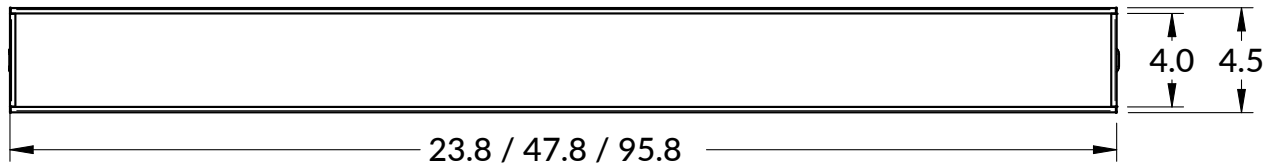
End View



Side



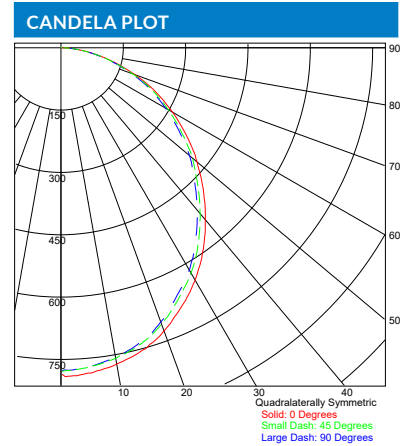
Bottom



PHOTOMETRIC DATA

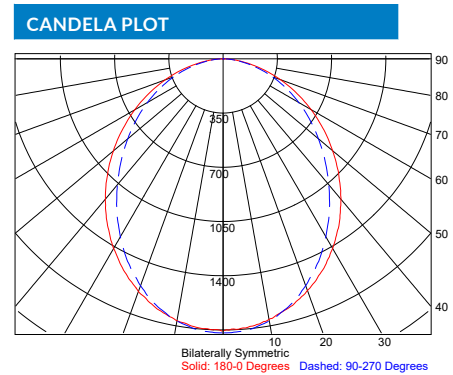
LUMINAIRE DATA	
Part Number	DNT2-20L-U-40
Description	2ft Discovery Narrow Troffer, 2000 Lumens, 4000K
Fixture Lumens (lm)	2043 lm
Wattage (W)	16.45 W
Efficacy (lm/W)	124 lm/W
Mounting	Troffer
Spacing Criteria	0° = 1.24, 90° = 1.2

ZONAL LUMEN SUMMARY		
Zone	Lumens (lm)	% Fixture
0° - 40°	952	47%
0° - 60°	1631	80%
0° - 90°	2043	100%
90° - 180°	0	0%
0° - 180°	2043	100%



LUMINAIRE DATA	
Part Number	DNT4-40L-U-40
Description	4ft Discovery Narrow Troffer, 4000 Lumens, 4000K
Fixture Lumens (lm)	4336 lm
Wattage (W)	33.1 W
Efficacy (lm/W)	130.4 lm/W
Mounting	Troffer
Spacing Criteria	0° = 1.2, 90° = 1.14

ZONAL LUMEN SUMMARY		
Zone	Lumens (lm)	% Fixture
0° - 40°	2097	48%
0° - 60°	3519	81%
0° - 90°	4336	100%
90° - 180°	0	0%
0° - 180°	4336	100%



LUMINAIRE DATA	
Part Number	DNT8-80L-U-40
Description	8ft Discovery Narrow Troffer, 8000 Lumens, 4000K
Fixture Lumens (lm)	8589 lm
Wattage (W)	66W
Efficacy (lm/W)	129.5 lm/W
Mounting	Recessed
Spacing Criteria	0° = 1.2, 90° = 1.14

ZONAL LUMEN SUMMARY		
Zone	Lumens (lm)	% Fixture
0° - 40°	4154	48%
0° - 60°	6971	81%
0° - 90°	8589	100%
90° - 180°	0	0%
0° - 180°	8589	100%

