



# 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

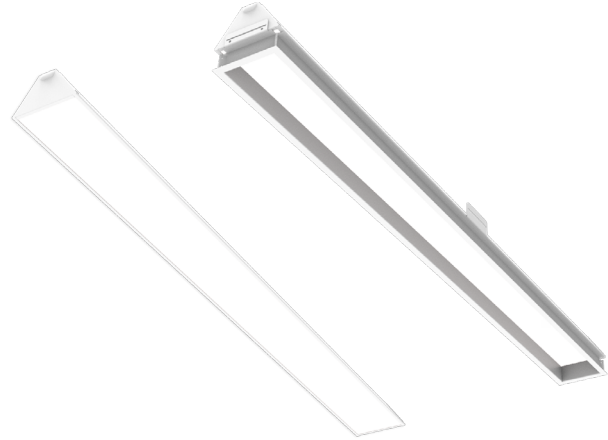
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## CERTIFICATIONS



## SUITABLE APPLICATIONS

- Education
- Commercial Office
- Healthcare
- Retail
- Hospitality

## 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.

### CERTIFICATIONS

ETL Listed to US and Canadian safety standards. Suitable for insulation contact with Type IC rated. Suitable for damp locations. BABA compliant. 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).



# DISCOVERY

## NARROW TROFFER

### ORDERING GUIDE

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

SERIES	LUMENS	DRIVER	80 CRI CCT	FINISH	ALT DRIVER
<b>DNT2</b> 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 DIM1 1% Dimming Driver LVD120 <sup>8</sup> Mark X Phase Dimming 120V
<b>DNT4</b> 4' Discovery Narrow Troffer	20L 2,000 lm 30L 3,000 lm 40L 4,000 lm 50L 5,000 lm 60L 6,000 lm				
<b>DNT8</b> 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 <sup>9</sup>	CORD	WARRANTY	COMPLIANCE
BLANK None DTS <sup>4</sup> UL 924 Emergency Device EM10/BABA <sup>1,7</sup> 10W Battery Backup - BABA Compliant - CEC Title 20 Compliant	BLANK None MCx/yW MC Metal Cable Whip (MCx= Length; x=6 or 10') (yW= # of Wires; x= 3, 4, 5, or 6)	BLANK 5YR Standard 10YR 10YR Optional	BABA Build America Buy America Compliant

SHIP WITH ACCESSORIES	
BLANK None	
+DNTx SM xxx	DNT Surface Mount 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)

### FOOTNOTES

- <sup>1</sup> Not available with DNT2
- <sup>2</sup> Must be used with SR driver
- <sup>3</sup> Easily Controlled via Mobile Phone with Bluetooth App
- <sup>4</sup> Cannot be ordered with alternate driver options
- <sup>5</sup> Not available with SR, DR, BLD, LDE1, LVD120
- <sup>6</sup> Base fixture height increases to 6.3"
- <sup>7</sup> Minimum Ambient Temperature of 32°F
- <sup>8</sup> Is not compatible with any control options
- <sup>9</sup> Base fixture height increases to 4.3"
- <sup>10</sup> 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
	Part #	Lumens	LPW	lm/ft	Lumens	LPW	lm/ft	Lumens	LPW	lm/ft	Lumens	LPW		
DNT2-10L	1071	118.1	536	1102	123.9	551	1118	125.7	559	1112	124.8	556	9	80
DNT2-15L	1612	117.4	806	1682	123.2	841	1706	125	853	1697	124.1	848	14	80
DNT2-20L	1931	116.7	966	2014	122.5	1007	2043	124.2	1022	2032	123.3	1016	17	80
DNT2-25L	2611	114.7	1305	2723	120.3	1362	2762	122	1381	2747	121.1	1374	23	80
DNT2-30L	2956	111.3	1478	3118	118.1	1559	3162	119.8	1581	3145	118.9	1573	26	80
DNT4-20L	2017	125.7	504	2090	130.3	522	2181	134.8	545	2129	131.6	532	16	80
DNT4-30L	2955	123.7	739	3062	128.1	765	3323	132.6	831	3118	129.5	780	24	80
DNT4-40L	3992	121.6	998	4135	126.0	1034	4336	130.4	1084	4211	127.3	1053	33	80
DNT4-50L	4944	119.6	1236	5122	123.9	1281	5274	128.2	1318	5216	125.2	1304	42	80
DNT4-60L	5960	117.4	1490	6094	121.7	1524	6361	126	1590	6206	123	1552	50	80
DNT8-40L	3756	124.6	470	3891	129.1	486	4062	133.6	508	3963	130.4	495	32	80
DNT8-60L	5992	122.6	749	6208	127.0	776	6479	131.4	810	6322	128.3	790	51	80
DNT8-80L	7925	120.6	991	8210	124.9	1026	8569	129.2	1071	8361	126.2	1045	68	80
DNT8-100L	9800	118.5	1225	10153	122.8	1269	10597	127.1	1325	10339	124.1	1292	84	80
DNT8-120L	11740	116.5	1468	11992	120.7	1499	12517	124.9	1565	12213	121.9	1527	103	80

<sup>1</sup>Values are nominal, check IES files for more detail

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

<sup>3</sup>Estimated Average of 3% reduction in lumen output when installed with a sensor.

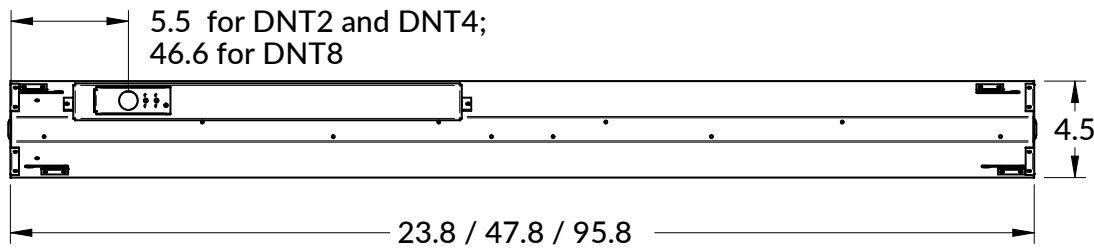
<sup>4</sup>Please refer to the DLC Qualified Products List at [www.Designlights.org/QPL](http://www.Designlights.org/QPL) to confirm specific product qualifications.

<sup>5</sup>Open air max ambient temperature of 104°F

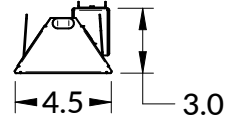
## LINE DRAWINGS \*Dimensions shown in inches\*

### DNTx

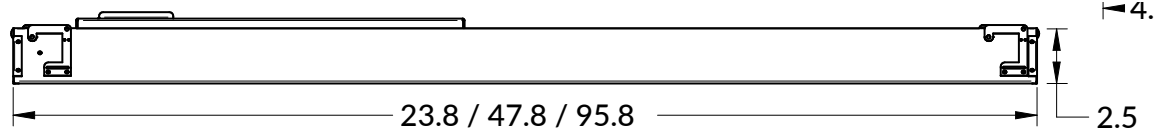
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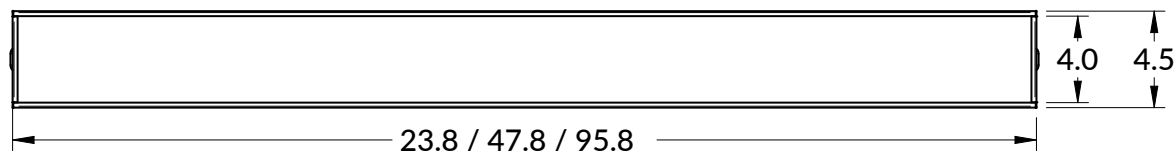
#### End View



#### Side



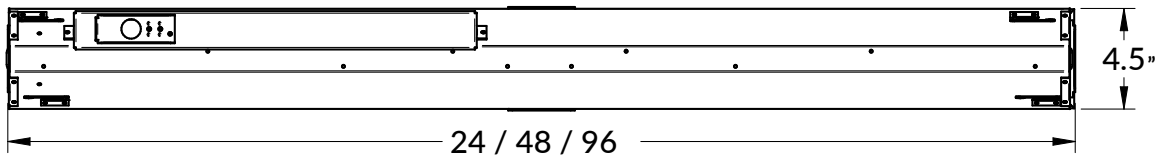
#### Bottom



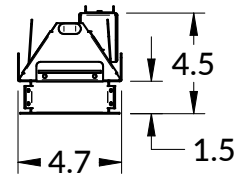
LINE DRAWINGS Continued

DNTx SLMK

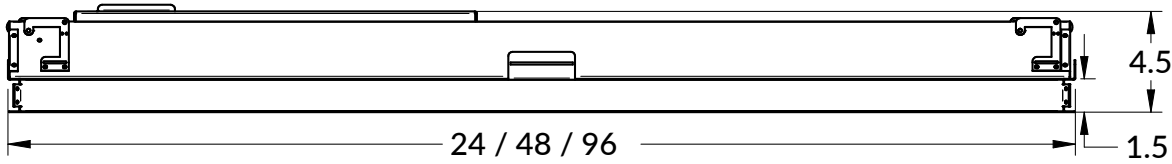
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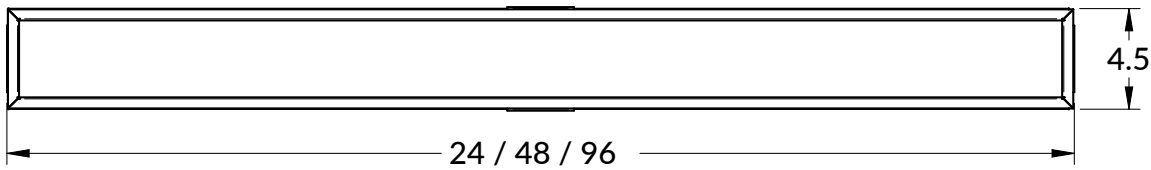
End View



Side

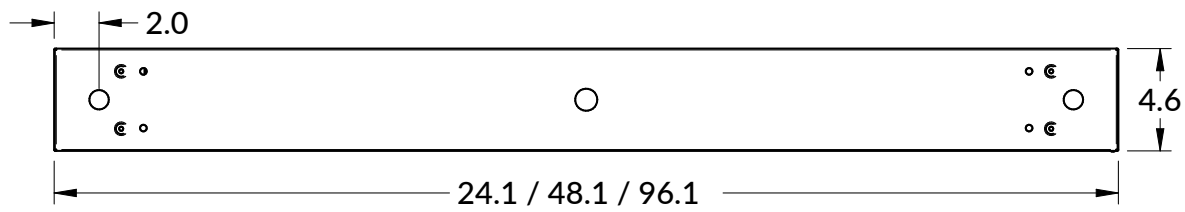


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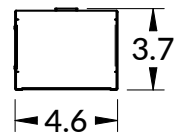


DNTx SM

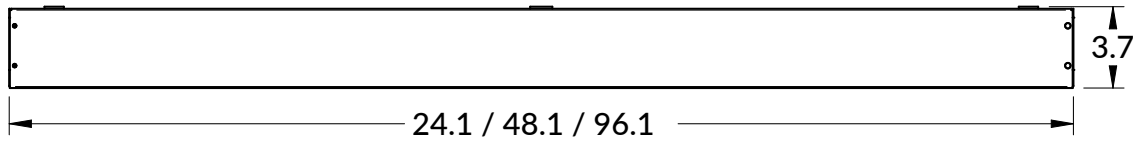
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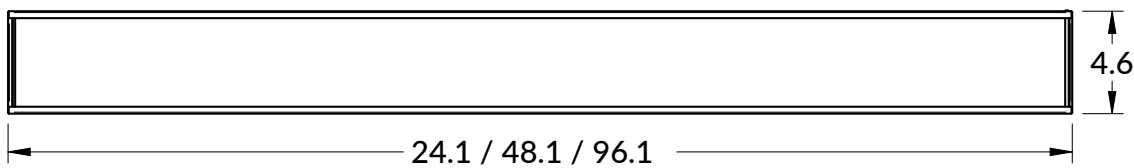
End View



Side



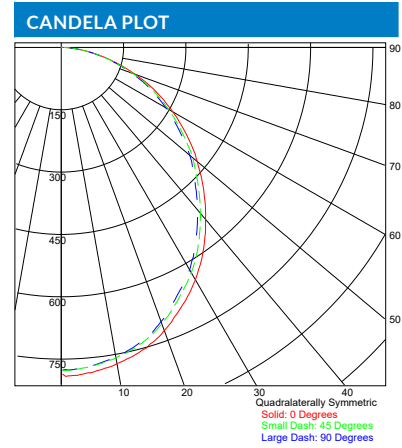
Bottom



## PHOTOMETRIC DATA

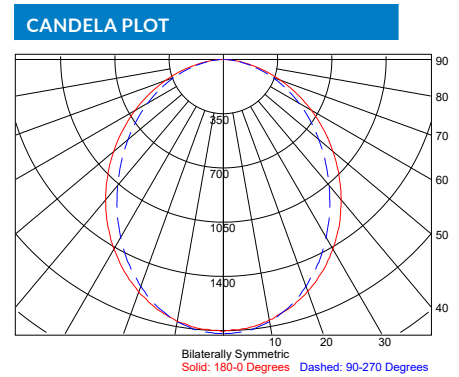
LUMINAIRE DATA	
Part Number	DNT2-20L-U-40
Description	2ft Discovery Narrow Troffer, 2000 Lumens, 4000K
Fixture Lumens (lm)	2043 lm
Wattage (W)	16.45 W
Efficacy (lm/W)	124 lm/W
Mounting	Troffer
Spacing Criteria	0° = 1.24, 90° = 1.2

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%

