

DESCRIPTION

The DS Series Troffer was developed as a sustainable luminaire with a modern appearance and uncomplicated design, also offering exceptional quality and performance for an outstanding benefit to the customer. The DS Series troffer is a highly efficient architecturally style LED troffer offering a low profile 2.25 inches with a clean aesthetics and is powered by a highly efficient Ultrasave LED source. The DS series Troffer is perfect for a wide variety of general applications like offices, schools, retail or healthcare.

Finish

Compliance

Warranty

5 years

SPECIFICATION FEATURES

Construction

Die formed 22 gauge galvanized steel painted high gloss white finish

Controls The DS LED Troffer is powered by Ultrasave Drivers Shielding Frosted LED smooth lens offers efficient light control and visual comfort

indoor luminaires are cULus listed

Drivers and Modules are UL recognized components and

finish ensures maximum bonding and rust inhibition

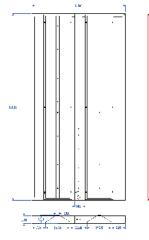
22 gauge galvanized steel and high gloss enamel paint

Electrical

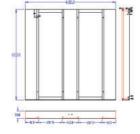
Long Life LED System complete electrical with driver to deliver the optimal performance. LED's available in a 3500K, 4000K and 5000K with a typical CRI: 80. Rated for 94,000 hours. Electronic Drivers are available in 120/277 and 347 Volt applications

Driver and Module Access

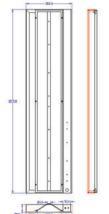
Drivers can be accessed by unscrewing the module cover



DS54I ED04 Dimension mm | 1213(L) x 610(W) x 57(D) inch | 47.8"(L) x 24"(W) x 2.3"(D)



DS40LED02 Dimension mm | 610(L) x 610(W) x 57(D) inch | 24"(L) x 24"(W) x 2.3"(D)



DS14-40LED02 Dimension mm | 1213(L) x 302(W) x 57(D) inch | 47.8"(L) x 11.9"(W) x 2.3"(D)



DS LED **DESIGNER SERIES** TROFFER

powered by TERASAV/



ORDERING CODE, ENERGY AND PERFORMANCE DATA

Model No.	Delivered Lumens (Im)	Input Watts (W)	Voltage (V)	Colour Temp. (K)	Efficacy (Im/W)	Status
DS54LED04 2 x 4	5900 5900 5300 4300	63 63 56 45	120M / 347 120M / 347 120M / 347 120M / 347	4000K 3500K / 5000K 3500K / 4000K / 5000K 3500K / 4000K / 5000K	94 89 / 98 90 / 95 / 99 91 / 96 / 100	Stock MTO MTO MTO
DS40LED02	3000	31	120M / 347	4000K	96	Stock
2 x 2	3000	31	120M / 347	3500K / 5000K	91 / 100	MTO
DS14-40LED02	3000	31	120M / 347	4000K	96	Stock
1 x 4	3000	31	120M / 347	3500K / 5000K	91 / 100	MTO

OPTIONAL ACCESSORIES Dimming Drivers (D) 120M/347V

Weight
8.6kg / 18lbs
4.6kg / 10lbs
5.3kg / 11.5lbs

PHOTOMETRICS

Disclaimer: Photometric data results were obtained under clear lens with white reflectors conditions.

EI	78	180	4	/159	ACF	1055	Tan					20M			еро						
17477	4				-		Ľ	S L Ir	C = ume put	I = 1.3 1.3 ens: 4 Watte icy: 8 Repor	976 s: 58 4.9 I	m/W	(;	GLE 0 5 15 25 45 5 65 7 5 8 5	ALON 198 197 192 180 162 133 99 20 1	17 19 14 18 10 16 14 13 16 10 14 6 15 1	86 70 83 01 30 73	45 1986 1967 1909 1803 1614 1370 1080 204 63	1986 1956 1941 1827 1672 1284 833 137 51	1949 1957 1798 1614 1420 386 132 52	191 542 835 1020 1073 832 356 116 11
4	1		H	-1	\searrow	X	T	50					Z	onal	Lur	nen \$	Sum	mar	y		
7		2000	1	T	T	X							0- 0- 40 90	NE 30 40 90 -90 -90 -180		LUMEN 1567 2587 4492 4976 2388 482 0 4976		31 52 90 100 47 9	AMP .50 2.01 .29 2.00 2.99 2.71 .00 2.00	<pre>%LUMINA 31.5 52.0 90.2 100.0 47.9 9.7 .0 100.0</pre>	0 1 9 0 9 1 0 9 1 0 9 1 0 0 0 0 0 0 0 0
						ation	_x	2													
ff	ec		floo	or ca		ation reflect			20%	, D	50			30			10		0		
ff	ec	tive	floo	or ca		reflec	100	10	20%		50	10		30 30		50		10			
Eff CC (A)	ec	tive	floo	or ca	vity	reflec	100	10								50					
CC (A)		tive	floo 50	or ca 30	10	reflec	50	30	10	50	30	10	50	30	10		30	10	0		
	R	70 70	50	or ca 30 30	10 1.19	reflec	50 .161	30 .16	10 1,16	50 1.111	30	10	50 1.061	30	10 1.06	1.02	30 1,02	10	0		
	eC LL R 1.	70 . 191	50 50 1.191	30 30 1,191	10 1.19	70	7 50 .161 .061	30 .16 .02	10 1.16 1.00	50 1.111 1.01	30 1.111 .99	10 1.11 .97	50 1.061 .97	30 .06	10 1.06 .94	1.02	30 1.02 .92	10 1,02 .91	0 1.00 .89		
eff CC VAI RCI 0 1 2	ec	70 . 191 . 111	50 50 191 081	30 30 1,191 1,041 ,92	10 1.19 1.01 .87	70 70 1.161 1.091	7 50 .161 .061 .95	30 .16 .02 .90	10 1.16 1.00 .86	50 1.111 1.01 .92	30 1.111 .99 .88	10 1.11 .97 .84	50 1.061 .97 .89	30 .06 .95 .85	10 1.06 .94 .82	1.02 .94 .86	30 1.02 .92 .83	10 1.02 .91 .81	0 1.00 .89 .79		
eff CC VAI RCI 0 1 2	ec LL 1. 1.	70 . 191 . 111 . 03 . 96	50 50 19 97 87	30 30 1,191 1,041 .92 .80	10 1.19 1.01 .87 .75	70 1.161 1.091	50 .161 .061 .95 .86	30 .16 .02 .90 .80	10 1,16 1.00 ,86 ,75	50 1.111 1.01 .92 .83	30 1.111 .99 .88 .78	10 1.11 .97 .84 .73	50 1.061 .97 .89 .80	30 .06 .95 .85 .76	10 1.06 .94 .82 .72	1.02 .94 .86 .78	30 1.02 .92 .83 .74	10 1.02 .91 .81 .71	0 1.00 .89 .79 .69		
ff CC (A) RCI 2 3	ec LL 1. 1.	70 , 191 , 111 , 03 , 96 , 89	.191 .081 .97 .87	30 30 1,191 1,041 .92 .80 .72	10 1.19 1.01 .87 .75 .66	70 1.161 1.091 1.01 .94	7 50 .161 .061 .95 .86 .78	30 .16 .02 .90 .80 .71	10 1,16 1.00 .86 .75 .65	50 1.111 1.01 .92 .83 .75	30 1.111 .99 .88 .78 .69	10 1.11 .97 .84 .73 .65	50 1.061 .97 .89 .80 .73	30 .95 .85 .76 .68	10 1.06 .94 .82 .72 .64	1.02 .94 .86 .78 .71	30 1.02 .92 .83 .74 .67	10 1.02 .91 .81 .71 .63	0 1.00 .89 .79 .69 .61		
ff (A) (A) (A) (A) (A) (A) (A) (A) (A) (A)	ec LL 1. 1.	70 , 191 , 111 , 03 , 96 , 89 , 82	1000 50 50 193 083 97 87 79 71	30 30 1,191 1,041 .92 .80 .72 .63	10 1.19 1.01 .87 .66 .57	70 1.161 1.091 1.01 .94 .87	50 .161 .061 .95 .86 .78 .70	30 .16 .02 .90 .80 .71 .63	10 1.16 1.00 .86 .75 .65 .57	50 1.111 1.01 .92 .83 .75 .68	30 1.111 .99 .88 .78 .69 .62	10 1.11 .97 .84 .73 .65 .57	50 1.061 .97 .89 .80 .73 .66	30 .95 .85 .76 .69 .60	10 1.06 .94 .82 .72 .64 .56	1.02 .94 .86 .78 .71 .64	30 1.02 .92 .83 .74 .67 .60	10 1.02 .91 .81 .71 .63 .55	0 1.00 .89 .79 .69 .61 .54		
1 2 3 4 5	eC	70 70 .191 .111 .03 .96 .89 .82 .76	e floo 50 50 19: 08 97 87 79 71 64	30 30 1.191 1.041 .92 .80 .72 .63 .56	10 1.19 1.01 .87 .66 .57 .50	reflec 70 1.161 1.091 1.01 .94 .87 .80	7 50 .161 .95 .86 .78 .70 .63	30 30 .16 .02 .90 .80 .71 .63 .55	10 1.16 .86 .75 .65 .57	50 1.111 1.01 .92 .83 .75 .68 .61	30 .99 .88 .78 .69 .62 .55	10 .97 .84 .73 .65 .57 .50	50 1.061 .97 .89 .80 .73 .66 .60	30 .95 .85 .76 .68 .60	10 .94 .82 .72 .64 .56 .49	1.02 .94 .86 .78 .71 .64 .58	30 1.02 .92 .83 .74 .67 .53	10 1.02 .91 .71 .63 .55 .49	0 1.00 .89 .69 .61 .54 .47		
Eff NA1 0 1 2 3 4 5 6	ec LL 1. 1.	70 70 .191 .03 .96 .89 .82 .76 .70	e floc 50 1.193 083 97 87 79 71 64 57	30 30 1.193 1.043 .92 .80 .72 .63 .56 .49	10 1.19 1.01 .87 .66 .57 .50 .44	reflec 70 1.161 1.091 1.01 .94 .87 .80 .74	7 50 .161 .95 .86 .78 .70 .63 .56	30 30 .16 .02 .90 .80 .71 .63 .55 .49	10 1,16 1,00 .86 .75 .57 .50 .43	50 1.111 1.01 .92 .83 .75 .68 .61 .55	30 1.111 .99 .88 .78 .69 .62 .55 .48	10 1.11 .97 .84 .73 .65 .57 .50 .43	50 1.063 .97 .89 .80 .73 .66 .60 .53	30 06. .95 .85 .76 .68 .60 .54 .47	10 .94 .82 .72 .64 .56 .49 .43	1.02 .94 .86 .78 .71 .64 .58 .52	30 1.02 .92 .83 .74 .67 .60 .53 .47	10 1.02 .91 .81 .71 .63 .55 .49 .42	0 1.00 .89 .69 .61 .54 .47 .41		

10 .55 .43 .35 .30 .54 .42 .35 .30 .41 .34 .30 .40 .34 .29 .39 .34 .29 .28

S/MH = 1.3 ANGLE A 15 SC(along) = 1.2 1068 1027 1030 957 861 797 202 64 28 1040 SC(across) = 1.3 Lumens: 2556 1004 15 25 35 55 55 75 85 941 810 659 496 288 100 935 812 686 500 313 54 924 822 689 553 104 33 974 883 677 390 70 28 Input Watts: 30.53 Efficacy: 83.7 Im/W Test Report: J382C Zonal Lumen Summary ZONE 0-30 0-40 0-60 0-90 40-90 60-90 LUMINATES LUMENS 347 2317 100. 100. 238 9.32 9.32 255 1.00 100 **Coefficient of Utilization**

DS40LED02-120M

Candlepower

Effective floor cavity reflectance = 20%

CC			0			7	0		50				30		10			0
WALL	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		

0 1.191.191.191.19 1.161.161.161.16 1.111.111 1.061.061.06 1.021.021.02 1.00 1 1.111.081.041.01 1.091.061.031.00 1.01 .99 .97 .97 .96 .94 .94 .92 .91 .89 2 1.04 .97 .92 .87 1.01 .95 .91 .86 .92 .88 .84 .89 .86 .83 .86 .83 .81 .79 3 .96 .87 .81 .76 .94 .86 .80 .75 .83 .78 .74 .81 .76 .72 .78 .75 .71 .69 4 .89 .79 .72 .66 .87 .78 .71 .66 .76 .70 .65 .73 .68 .64 .71 .67 .63 .62 5 .83 .72 .64 .58 .80 .70 .63 .58 .68 .62 .57 .66 .61 .57 .65 .60 .56 .54 6 .76 .64 .56 .51 .74 .63 .56 .51 .62 .55 .50 .60 .54 .50 .59 .53 .49 .47 7 .70 .58 .50 .44 .69 .57 .49 .44 .55 .48 .44 .54 .48 .43 .53 .47 .43 .41 8 .65 .52 .45 .39 .64 .51 .44 .39 .50 .43 .39 .49 .43 .38 .46 .42 .36 .39 9 .60 .48 .40 .34 .59 .47 .39 .34 .46 .43 .34 .45 .38 .34 .44 .83 .43 .32 10 .56 .43 .35 .30 .55 .43 .35 .30 .42 .35 .30 .44 .34 .34 .30 .22



PHOTOMETRICS

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DS14-40LED02-120/ S/MH = 1.3 SC = 1.3 Lumens: 2751 Input Watts: 30.05 Efficacy: 91.5 Im/W Test Report: J526C	ANGLE 5 15 25 35 45 55 65 75 85	ALONG 1093 1090 1055 989 886 736 539 318 109 6	22.5 1093 1079 1046 1002 878 743 535 355 88 4	45 1093 1069 905 781 567 129 37 3	1093 1086 1066 1025 887 728 707 80 29 2	1038 918 753 236 76	104 298 458 559 578 475 207 66 6
Coefficient of Utilization	ZONE 0-30 0-40 0-60 0-90 40-9 60-9 90-1 0-18	0 0 80	UMENS 860 1419 2472 2751 1332 278 0 2751	% I 31 51 89 100 48	AMP .27 .59 .86 .00 .41 .14 .00 .00	%LUMINA 31.: 51.: 89.: 100.: 48.: 100.:	27 59 56 00 41 14

Effective floor cavity reflectance = 20%

CC		8	0			39	0		50				30			10		0
WALL	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		

