

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 architectural 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.

SPECIFICATION FEATURES

Construction

Die formed 22 gauge galvanized steel painted high gloss white finish

Finish

22 gauge galvanized steel and high gloss enamel paint finish ensures maximum bonding and rust inhibition

Controls

The DS LED Troffer is powered by Ultrasave Drivers

Shielding

Frosted LED smooth lens offers efficient light control and visual comfort

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

Compliance

Drivers and Modules are UL recognized components and indoor luminaires are cULus listed

Warranty

5 years

Driver and Module Access

Drivers can be accessed by unscrewing the module cover

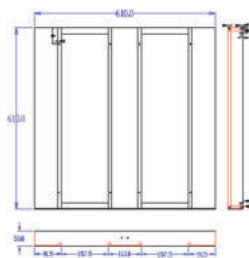


**DS LED
DESIGNER SERIES
TROFFER**

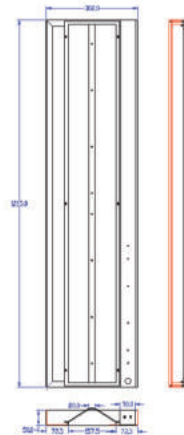
powered by
ULTRASAVE



DS54LED04
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)

ORDERING CODE, ENERGY AND PERFORMANCE DATA

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

OPTIONAL ACCESSORIES

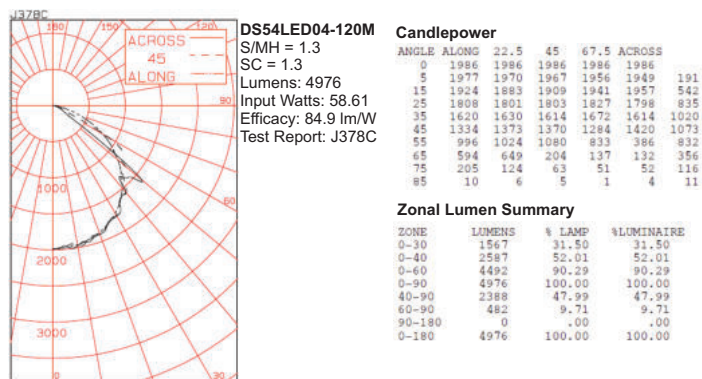
Dimming Drivers (D) 120M/347V

SHIPPING DATA

Model No.	Weight
DS54LED04	8.6kg / 18lbs
DS40LED02	4.6kg / 10lbs
DS14-40LED02	5.3kg / 11.5lbs

PHOTOMETRICS

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

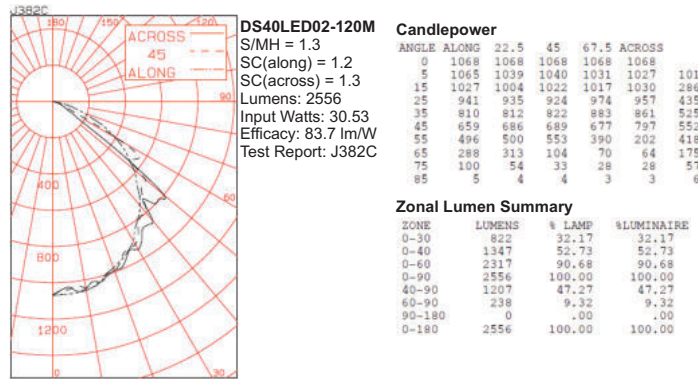


Coefficient of Utilization
Effective floor cavity reflectance = 20%

CC WALL	80	70	50	30	10	0
70	50	30	10	70	50	30
50	30	10	50	30	10	50
30	10	50	30	10	50	30
10	50	30	10	50	30	10
0	50	30	10	50	30	10

RCR

0	1.191	1.191	1.191	1.191	1.161	1.161	1.161	1.161	1.111	1.111	1.111	1.111	1.061	1.061	1.061	1.021	1.021	1.021	1.000
1	1.111	1.081	1.041	1.01	1.091	1.061	1.021	1.00	1.01	.99	.97	.97	.95	.94	.94	.92	.91	.89	.89
2	1.03	.97	.92	.87	1.01	.95	.90	.86	.92	.88	.84	.89	.85	.82	.86	.83	.81	.79	.79
3	.96	.87	.80	.75	.94	.86	.80	.75	.83	.78	.73	.80	.76	.72	.78	.74	.71	.69	.69
4	.89	.79	.72	.66	.87	.78	.71	.65	.75	.69	.65	.73	.68	.64	.71	.67	.63	.61	.61
5	.82	.71	.63	.57	.80	.70	.63	.57	.68	.62	.57	.66	.60	.56	.64	.60	.55	.54	.54
6	.76	.64	.56	.50	.74	.63	.55	.50	.61	.55	.50	.60	.54	.49	.58	.53	.49	.47	.47
7	.70	.57	.49	.44	.68	.56	.49	.43	.55	.48	.43	.53	.47	.43	.52	.47	.42	.41	.41
8	.65	.52	.44	.39	.63	.51	.44	.38	.50	.43	.38	.49	.42	.38	.48	.42	.38	.36	.36
9	.60	.47	.39	.34	.58	.46	.39	.34	.45	.38	.34	.44	.38	.33	.43	.37	.33	.31	.31
10	.55	.43	.35	.30	.54	.42	.35	.30	.41	.34	.30	.40	.34	.29	.39	.34	.29	.28	.28



Coefficient of Utilization
Effective floor cavity reflectance = 20%

CC WALL	80	70	50	30	10	0
70	50	30	10	70	50	30
50	30	10	50	30	10	50
30	10	50	30	10	50	30
10	50	30	10	50	30	10
0	50	30	10	50	30	10

RCR

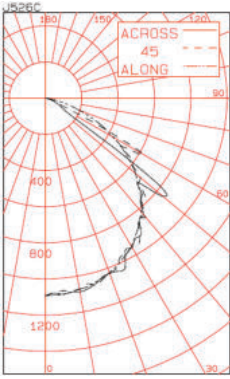
0	1.191	1.191	1.191	1.191	1.161	1.161	1.161	1.161	1.111	1.111	1.111	1.111	1.061	1.061	1.061	1.021	1.021	1.021	1.000
1	1.111	1.081	1.041	1.01	1.091	1.061	1.031	1.00	1.01	.99	.97	.97	.96	.94	.94	.92	.91	.89	.89
2	1.04	.97	.92	.87	1.01	.95	.91	.86	.92	.88	.84	.89	.86	.83	.86	.83	.81	.79	.79
3	.96	.87	.81	.76	.94	.86	.80	.75	.83	.78	.74	.81	.76	.72	.78	.75	.71	.69	.69
4	.89	.79	.72	.66	.87	.78	.71	.66	.76	.70	.65	.73	.68	.64	.71	.67	.63	.62	.62
5	.83	.72	.64	.58	.80	.70	.63	.58	.68	.62	.57	.66	.61	.57	.65	.60	.56	.54	.54
6	.76	.64	.56	.51	.74	.63	.56	.51	.62	.55	.50	.60	.54	.50	.59	.53	.49	.47	.47
7	.70	.58	.50	.44	.69	.57	.49	.44	.55	.48	.44	.54	.48	.43	.53	.47	.43	.41	.41
8	.65	.52	.45	.39	.64	.51	.44	.39	.50	.43	.39	.49	.43	.38	.48	.42	.38	.36	.36
9	.60	.48	.40	.34	.59	.47	.39	.34	.46	.39	.34	.45	.38	.34	.44	.38	.34	.32	.32
10	.56	.43	.35	.30	.55	.43	.35	.30	.42	.35	.30	.41	.34	.30	.40	.34	.30	.28	.28



Energy Efficient Lighting Company Limited
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Email: marketing@eelighting.ca | URL: www.eelighting.ca

Specifications and dimensions subject to change without notice.
Consult your Energy Efficient Lighting Representative
for availability and ordering information.

PHOTOMETRICS



DS14-40LED02-120M
 S/MH = 1.3
 SC = 1.3
 Lumens: 2751
 Input Watts: 30.05
 Efficacy: 91.5 lm/W
 Test Report: J526C

Candlepower

ANGLE	ALONG	22.5	45	67.5	ACROSS
0	1093	1093	1093	1093	1093
5	1090	1079	1069	1086	1089
15	1055	1046	1068	1066	1063
25	989	1002	971	1025	1038
35	886	878	905	887	918
45	736	743	781	728	753
55	539	535	567	707	236
65	318	355	129	80	76
75	109	88	37	29	30
85	6	4	3	2	2

Zonal Lumen Summary

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	860	31.27	31.27
0-40	1419	51.59	51.59
0-60	2472	89.86	89.86
0-90	2751	100.00	100.00
40-90	1332	48.41	48.41
60-90	278	10.14	10.14
90-180	0	.00	.00
0-180	2751	100.00	100.00

Coefficient of Utilization
 Effective floor cavity reflectance = 20%

CC WALL	80	70	50	30	10	0												
70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																		
0	1.191	1.191	1.191	1.19	1.161	1.161	1.161	1.16	1.111	1.111	1.111	1.11	1.061	1.061	1.06	1.021	1.021	1.00
1	1.111	1.071	1.041	1.01	1.091	1.051	1.02	.99	1.01	.99	.96	.97	.95	.93	.94	.92	.91	.89
2	1.03	.97	.92	.87	1.01	.95	.90	.86	.92	.88	.84	.89	.85	.82	.86	.83	.80	.78
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9	.59	.47	.39	.33	.58	.46	.39	.33	.45	.38	.33	.44	.38	.33	.43	.37	.33	.31
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