

Strip Luminaire

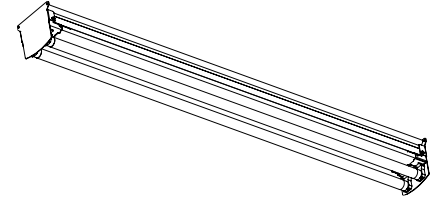
HDS Heavy Duty Strip
1 or 2 Lamp
T5, T5HO, T8 or T12

construction/finish

- Premium heavy duty industrial channel for added rigidity.
- Suitable for unit or row mounting in surface or suspended applications.
- Housing and end caps are multi-stage phosphate treated for maximum corrosion resistance and painted after fabrication with high reflectance white polyester powder coating.
- Thumbscrews secure channel cover for easy wireway access.

electrical

- High output 380mA (44HO, 86HO), high output 800mA (48HO, 96HO) and very high output 1500mA (48VH, 96VH) models come standard with -20°F start ballast where available.
- 32WT8, and Slimline models UL listed for direct mounting on low density ceilings.
- UL listed for damp locations. Units incorporating emergency ballasts UL listed for dry locations.
- Class P, HPF ballasts comply with ⓔ Federal Ballast Law (Public Law 100-357, 1988).
- Green grounding screw installed in channel.
- Lampholders may be individually replaced or rewired.



Specifier's Reference

Project

Type

Model No.

Comments

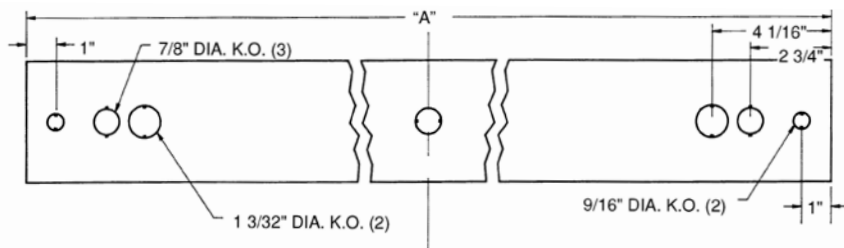
Green Choice: HDS232-UNV-1/2-EBLHE

No. of Lamps/Cross Section (not included)		Voltage	
1		120	
2		277	
		347	
		UNV – Universal voltage, 120-277 volt (with T8 or T5 electronic ballast only)	
Family	Lamp Type/Wattage	Options	
HDS – Heavy Duty Strip	28 – 28WT5 (46")	CM – Canadian Market	
THDS – Tandem Version	32 – 32WT8 (48")	1/1 – One 1-lamp ballast (electronic or non-standard)	
	48 – 38WT12 Slimline (48")	1/2 – One 2-lamp ballast (electronic or non-standard)	
	44HO – 44WT8 380mA (48")	1/4 – One 4-lamp ballast (electronic or non-standard)	
	48HO – 60WT12 800mA (48")	2/2 – Two 2-lamp ballasts (electronic or non-standard)	
	48VH – 110WT12 1500mA (48")	EB – Electronic ballast, <20% THD	
	54HO – 54WT5HO (46")	EBH – High ballast factor electronic ballast (F32T8 only)	
	59 – 59WT8 (96")	EB10I – Electronic ballast, instant start, <10% THD	
	96 – 75WT12 Slimline (96")	EB10R – Electronic ballast, program rapid start, <10% THD	
	86HO – 86WT8 380mA (96")	EBHE – F32T8 electronic ballast, high efficiency, std. ballast factor	
	96HO – 110WT12 800mA (96")	EBLHE – F32T8 electronic ballast, high efficiency, low ballast factor	
	96VH – 215WT12 1500mA (96")	EBHHE – F32T8 electronic ballast, high efficiency, high ballast factor	
		E1 – DEB-1 emerg. ballast, 350-450 lumens, UL dry loc.	
		E7 – DEB-7 emerg. ballast, 600-700 lumens, UL dry loc.	
		E5 – DEB-5 emerg. ballast, 1100-1400 lumens, UL dry loc.	
		ESST – DEB-5ST emerg. ballast w/self test, 1100-1400 lumens, UL dry loc.	
		GLR# – Fusing, fast blow (# = number of ballasts)	
		LT – Low temperature (0°F) start ballast (standard on F32T8, HO, VHO)	
		Power-Connect modular wiring – see sheet 1604-OA	
		See section 1600-OA for option info.	

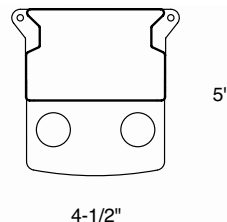
Accessories

- CG-4 – 4' Wire guard
- 5988W/5977W – Hydee hangers
- CS-400 – Rigid stem canopy
- CS-500 – Swivel stem canopy
- CS series stems
- FL-111 – Sliding hanger, conduit/stem/screw
- FL-116 – Sliding hanger, chain suspension
- FL-117 – Hook, chain
- FL-118 – Sliding hanger, messenger cable
- FL-119 – Hook, messenger cable
- FL-123 – 5' chain (w/S-hooks) set
- N-3380/3381 – Universal joint aligner, octagonal box, 1/2" / 3/4" I.P.S.
- N-3385 – Universal joint aligner, square box, 1/2" I.P.S.

dimensions



DIM "A"		
4' Channel	(1219mm)	48"
8' Channel	(2438mm)	96"



HDS Strip, 4' 2 Lamp 32WT8

Efficiency – 93.3%

LER – 78

TER – 41

Catalog No.	HDS232-1/2-EB	Candlepower					Light Distribution				Average Luminance				
Test No.	14719	Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45°	Cross		
S/MH	1.6	0	1019	1019	1019	0-30	839	14.5	15.5	45	6257	6389	6686		
Lamp Type	F32T8	5	1015	1018	1019	0-40	1429	24.6	26.4	55	5693	6243	6738		
Lumens/Lamp	2900	15	976	1009	1034	0-60	2793	48.1	51.6	65	4843	6152	7171		
Ballast Factor	.88	25	901	990	1059	0-90	4316	74.4	79.8	75	3551	6404	6627		
Input Watts	61	35	793	958	1059	0-180	5410	93.3	100.0	85	1448	4423	5003		
		45	656	898	1019	Coefficients of Utilization									
		55	494	800	956	EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)									
		65	320	688	911	pcc	80			70			50		
		75	154	590	718	pw	70	50	30	70	50	30	50	30	
		85	28	308	432	RCR									
		95	2	325	452	0	107	107	107	102	102	102	93	93	
		105	3	305	512	1	94	89	83	90	84	81	78	73	
		115	2	230	379	2	84	76	68	80	72	66	66	60	
		125	2	160	334	3	77	66	56	71	63	55	56	51	
		135	6	104	236	4	69	56	48	66	55	46	50	42	
		145	6	46	133	5	64	51	41	59	48	40	44	36	
		155	7	5	42	6	57	45	36	55	42	34	40	33	
		165	8	6	6	7	54	40	32	51	39	30	35	28	
		175	9	5	6	8	50	36	28	46	35	28	33	26	
							9	46	34	26	44	32	25	29	23
							10	44	30	23	40	29	23	28	20
Comparative yearly lighting energy cost per 1000 lumens – \$3.08 based on 3000 hrs. and \$.08 pwr KWH.															
The photometric results were obtained in the Philips Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.															

HDS Strip, 4' 2 Lamp F96T12HOES

Efficiency – 97.1%

LER – 94

TER – 51

Catalog No.	HDS296HO-1/2-EB	Candlepower					Light Distribution				Average Luminance				
Test No.	10973	Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45°	Cross		
S/MH	1.6	0	3029	3029	3029	0-30	2502	15.6	16.1	45	11569	11885	12633		
Lamp Type	F96T12HOES	5	3035	3033	3029	0-40	4264	26.7	27.4	55	10789	11918	12756		
Lumens/Lamp	8000	15	2932	3014	3091	0-60	8315	52.0	53.5	65	9714	11634	12441		
Ballast Factor	1.00	25	2724	2961	3152	0-90	12735	79.6	82.0	75	8540	10991	12423		
Input Watts	165	35	2423	2850	3148	0-180	15536	97.1	100.0	85	8088	11903	12650		
		45	2039	2659	3054	Coefficients of Utilization									
		55	1553	2371	2804	EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)									
		65	1042	1956	2379	pcc	80			70			50		
		75	575	1453	1948	pw	70	50	30	70	50	30	50	30	
		85	205	1098	1488	RCR									
		95	37	897	1342	0	111	111	111	107	107	107	97	97	
		105	1	734	1186	1	98	93	88	93	89	83	81	78	
		115	1	550	987	2	89	79	71	83	76	68	69	64	
		125	1	414	739	3	80	68	59	76	66	57	59	54	
		135	1	290	531	4	72	59	51	68	57	48	53	46	
		145	1	169	347	5	67	53	44	63	51	41	46	40	
		155	1	79	190	6	60	47	38	57	46	36	41	34	
		165	1	29	52	7	56	42	34	54	40	33	38	30	
		175	1	13	20	8	52	39	29	50	36	28	34	28	
							9	48	34	27	46	34	26	32	25
							10	46	33	25	44	30	23	28	23
Comparative yearly lighting energy cost per 1000 lumens – \$2.55 based on 3000 hrs. and \$.08 pwr KWH.															
The photometric results were obtained in the Philips Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.															



Some luminaires use fluorescent or high intensity discharge (HID) lamps that contain small amounts of mercury. Such lamps are labeled, "Contain Mercury" and/or the symbol "HG". Lamps that contain mercury must be disposed of in accordance with local requirements. Information regarding lamp recycling and disposal can be found at www.lamprecycle.org



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