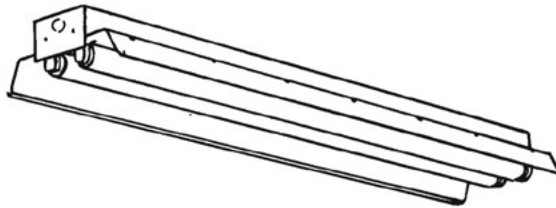


Industrial

IA all purpose

T8 or T12 high output



Project: _____
 Location: _____
 Cat.No: _____
 Type: _____
 Lamps: _____ Qty: _____
 Notes: _____

Day-Brite / CFI all purpose industrial is an industrial luminaire available with or without uplight at a economical price.

Ordering guide

Example: IA296HO-1/2-EB

Family	No. of Lamps per Cross Section	Lamp Type	Voltage	Options
	2	—	—	
IA Industrial with uplight IS Solid Top Reflector	(not included) 2	44HO 44WT8 380 mA (48") 48HO 60WT12 800 mA (48") 86HO 86WT8 380 mA (96") 96HO 110WT12800 mA (96")	UNV Universal voltage 120/277V 120 120V 277 277V 347 347V	1/2 One 2-lamp ballast EB Electronic ballast, <20% THD E7 B60 emerg. ballast, 600-700 lumens, 120/277V E5 B50 emerg. ballast, U.S. or Canada market, 1100-1400 lumens, UNV ESCAN B50-CAN emerg. ballast, Canada market, 1100-1400 lumens, 120/347V E5ST B50ST emerg. ballast w/self test, U.S. or Canada market, 1100-1400 lumens, UNV GLR Fusing, fast blow
				See section 1600-OA for option info. and 950-SS for mounting hardware. Power Connect modular wiring available, see sheet 1604.1-OA for details

Accessories (order separately)

- CS-400 Rigid canopy
- CS-500 42" top swivel canopy
- CS-12 12" Stem
- CS-18 18" Stem
- CS-24 24" Stem
- CS-30 30" Stem
- CS-36 36" Stem
- CS-48 48" Stem
- CTBH-3 T-bar sliding hanger, 1-1/2" spacing for T12HO
- FKR-126 Chain hanger set
- N-3381 Universal joint aligner, octagonal box, 3/4" I.P.S.
- TH-4 Sliding hanger, 1-1/2" spacing for T12HO/VHO
- TC-1 Heavy duty coupler
- FKR-173 4' Wire guard (use 2 for 8')

IA All purpose industrial

T8 or T12 high output

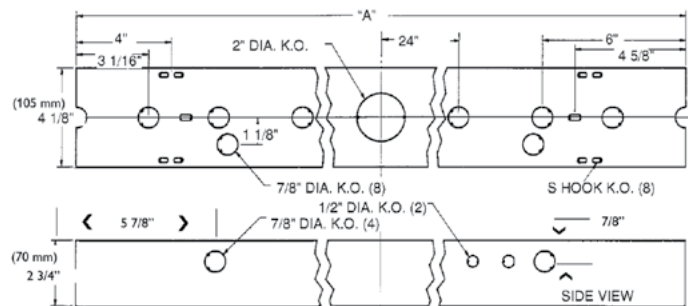
Construction/Finish

- Reflectors feature reinforcing forms and are painted with high reflectance baked white enamel finish.
- Multiple knockouts for convenient installation.
- Heavy duty channel of code gauge die formed steel with baked white enamel finish.
- Reflectors are easily installed and have up-light construction standard. Solid top reflectors are available.
- Combination end cap/coupler requires no tools for installation.
- 1/4 turn reflector fastener requires no tools.
- Suitable for unit or row mounting.

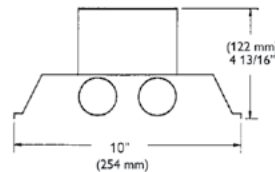
Electrical

- cULus listed for damp locations.
- Self-contained fluorescent emergency power packs can be incorporated.
- Pressure lock lampholders secured by snap-in socket plates.
- **IMPORTANT! High Output Fixtures must be suspended with a minimum 1-1/2" clearance to ceiling.**
- Day-Brite's standard luminaires for high output T8 (380mA) and T12 (800mA) include ballasts rated for -20° F starting temperature.

Dimensions



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



IA All purpose industrial

T8 or T12 high output

Photometry

IA all purpose industrial, 8' 2 Lamp 96W T12

Efficiency – 86.9%

LER – FI-61

TER – 37

		Candlepower				Light Distribution				Average Luminance			
Catalog No.	IA296HO	Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45'	Cross
Test No.	42324	0	3575	3575	3575	0-30	2933	18.3	21.1	45	5572	6978	7843
S/MH	1.5	5	3580	3558	3637	0-40	4979	31.1	35.8	55	5338	7606	8684
Lamp Type	F96HO ES	15	3472	3537	3658	0-60	9633	60.2	69.3	65	4976	8353	8696
Lumens/Lamp	8000	25	3222	3444	3658	0-90	13279	83.0	95.5	75	4153	7989	8169
Ballast Factor	.88	35	2878	3286	3601	90-180	621	3.9	4.5	85	2778	6371	6500
Input Watts	201	45	2441	3057	3436	0-180	13900	86.9	100.0				
		55	1897	2703	3086								
		65	1303	2187	2277								
		75	666	1281	1310								
		85	150	344	351								
		95	0	21	19								
		105	0	108	119								
		115	0	176	176								
		125	0	224	244								
		135	0	199	282								
		145	0	85	230								
		155	0	16	73								
		165	0	5	10								
		175	0	3	1								

Comparative yearly lighting energy cost per 1000 lumens – **\$3.93** based on 3000 hrs. and **\$.08** pwr KWH.

The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

IA all purpose industrial, 8' 2 Lamp 96W T12

Efficiency – 89.3%

LER – FI-73

TER – 44

		Candlepower				Light Distribution				Average Luminance			
Catalog No.	IA296HO-1/2-EB	Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45'	Cross
Test No.	42325	0	3663	3663	3663	0-30	3004	18.8	21.0	45	5709	7122	8014
S/MH	1.5	5	3661	3641	3716	0-40	5098	31.9	35.7	55	5527	7758	8904
Lamp Type	F96HO ES	15	3550	3617	3747	0-60	9864	61.7	69.0	65	5122	8559	8948
Lumens/Lamp	8000	25	3306	3527	3747	0-90	13642	85.3	95.5	75	4278	8194	8463
Ballast Factor	.84	35	2951	3365	3684	90-180	650	4.1	4.5	85	3074	7019	7167
Input Watts	164	45	2501	3120	3511	0-180	14292	89.3	100.0				
		55	1964	2757	3164								
		65	1341	2241	2343								
		75	686	1314	1357								
		85	166	379	387								
		95	0	21	22								
		105	0	113	126								
		115	0	183	183								
		125	0	233	254								
		135	0	206	290								
		145	0	87	237								
		155	0	13	70								
		165	0	0	5								
		175	0	2	1								

Comparative yearly lighting energy cost per 1000 lumens – **\$3.29** based on 3000 hrs. and **\$.08** pwr KWH.

The photometric results were obtained in the 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

