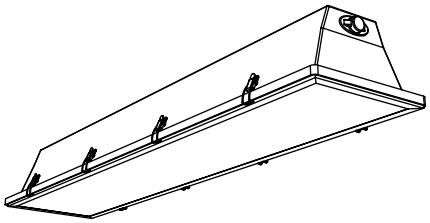
Day-Brite CFI by Signify

Industrial

HAZ enclosed industrial

T8



Project:

Location:

Cat.No:

Type:

Lamps: Qty:

Notes:

Day-Brite / CFI HAZ enclosed industrial is a UL listed "Class" and "Division" luminaire for specific hazardous locations.

Ordering guide

Example: HAZ232-UNV-1/2-EB

Family	No. of Lamps (not included)	Lamp Type	Voltage	Options
HAZ		–	–	
HAZ Hazardous location enclosed industrial	**2** **3**	**32** 32WT8 (48")	**120** **277** **347** **UNV** Universal Voltage 120-277V	**1/2** One 2-lamp ballast **1/3** One 3-lamp ballast **1/21** 2-lamp & 1-lamp ballasts **EB** Electronic ballast, <10% THD, std. ballast factor **EB10R** T8 electronic ballast, program rapid start, <10% THD

Accessories (order separately)

- **HAZ-AB45** – 45° adjustable stainless steel mounting brackets (pair)

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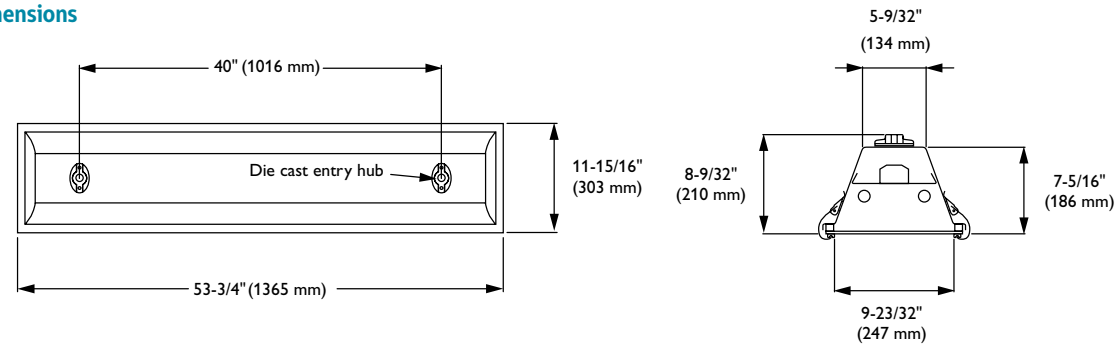
Construction/Finish

- Non-corrosive one piece seamless molded reinforced white polyester composite body.
- Stainless steel lens enclosure frame is gasketed with silicone rubber, providing a secure fit between the enclosure and housing.
- Lens enclosure is 3/16" tempered glass.
- Lens frame hinges both sides.
- Lens frame is attached by stainless steel toggle clamps.
- All units have four 1/2" NPT mounting hubs (2 on the top and 1 on each end).
- Removeable power channel contains all electrical components.
- Angle mount bracket accessory, HAZ-AB45, allows unit to be surface mounted and adjusted up to 45° in either direction in 5° increments.

Electrical

- Maximum operating temperature = 120°C (Code T4C) 40°C ambient
- UL listed for Class I Division 2, Groups A, B, C, and D locations.
- UL listed for Class II Division 1 and 2, Groups F and G, and Class III Division 1 and 2 locations.
- UL/cUL listed.
  - Meets UL 844 static discharge requirements.
  - Meets UL 746C impact test requirements.
  - Meets UL 94-5VA fire rating.

Dimensions



Photometry

HAZ 4' 2 Lamp T8 — Efficiency – 72.7% — LER – 68 — TER – 45

Catalog No.	HAZ232-EB
Test No.	30085
S/MH	1.3
Lamp Type	F32T8
Lumens/Lamp	2850
Ballast Factor	1.0
Input Watts	61

Comparative yearly lighting energy cost per 1000 lumens – **$3.53** 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.

Candlepower

Angle	End	45	Cross
0	1511	1511	1511
5	1498	1505	1515
10	1479	1491	1506
15	1447	1468	1489
20	1404	1435	1469
25	1347	1392	1439
30	1279	1348	1371
35	1199	1279	1276
40	1108	1185	1134
45	1005	1068	978
50	890	916	851
55	763	753	767
60	624	618	653
65	474	504	492
70	322	350	241
75	178	156	100
80	65	46	38
85	8	9	8

Light Distribution

Degrees	Lumens	% Lamp	% Luminaire
0-30	1202	21.1	28.9
0-40	1987	34.9	47.8
0-60	3476	61.0	83.7
0-90	4152	72.7	100.0

Average Luminance

Angle	End	45°	Cross
45	4196	4460	4084
55	3928	3876	3948
65	3312	3521	3437
75	2031	1780	1141
85	271	305	271

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

pcc	80			70			50	
pw	70	50	30	70	50	30	50	30
RCR								
0	86	86	86	84	84	84	81	81
1	80	77	73	78	75	72	71	69
2	72	67	63	70	66	61	64	59
3	67	58	54	65	57	53	56	52
4	60	53	46	59	52	46	50	45
5	56	46	40	55	46	40	45	40
6	52	42	35	51	41	35	40	34
7	47	39	32	46	38	32	36	30
8	45	34	28	44	34	28	34	28
9	41	32	26	40	32	26	30	26
10	39	29	23	38	28	23	28	23

Hg

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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