Day-Brite

CFI

by signify

Industrial

Fluorescent High Bay SHE

T5HO

The **Day-Brite/CFI SHE Fluorescent High Bay** luminaire features 95% reflective aluminum reflectors and a solid enclosure design for an efficient alternative in industrial lighting applications.

Project:

Location:

Cat.No:

Type:

Lamps: Qty:

Notes:

Ordering guide

Example: SHE654HO-UNV-1/42-EB-GENRS-CORD

Family	Lamping (not included)	Lamp type / Wattage	Voltage	Ballast	Options
SHE		54HO			GENRS-CORD
SHE Fluorescent High Bay	**4** 4 lamps **6** 6 lamps	**54HO** 54WT5HO (46")	**UNV** Universal voltage 120-277V **347** 347V	**1/4-EB** One 4 Lamp Electronic Ballast **1/42-EB** One 4 Lamp and one 2 lamp Electronic Ballasts	**GENRS** Generic electronic ballast **CORD** 6 foot cord (no plug)

Accessories (order separately)

SHE4L Single Door with Clear Acrylic Lens (4 lamp unit)

SHE6L Single Door with Clear Acrylic Lens (6 lamp unit)

Construction / Finish

- Enclosed housing design
- Suitable for chain mounting only. Can not be surface mounted
- Housing is multi-stage phosphate treated for maximum corrosion resistance and finish coat is high reflectance baked white enamel
- 1.5" deep individual cavity reflectors are made from high reflectance, specular aluminum
- Top access plate standard
- "V" Hook included
- Suitable for row-mounting
- Optional lens available

Electrical

- Energy saving electronic ballasts are standard
- Complete with 6 ft cord (no plug)

Labels

- cULus listed for damp locations and 40° C ambient

Hg

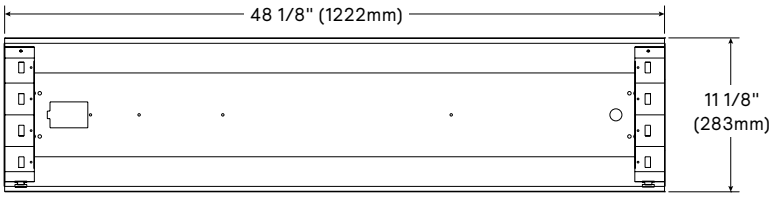
Some luminaires use fluorescent or high intensity discharge (HID) lamps that contain small amounts of mercury. Such lamps are labeled, "Contain Mercury" and/or the symbol "HG". Lamps that contain mercury must be disposed of in accordance with local requirements. Information regarding lamp recycling and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

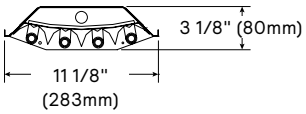
SHE Fluorescent High Bay

T5HO

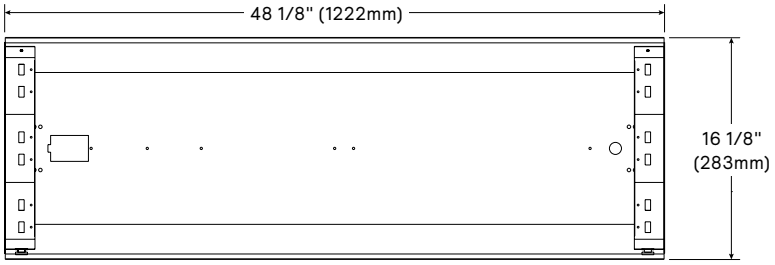
Dimensions

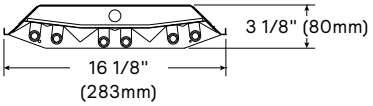
4 Lamp configuration





6 Lamp configuration





Photometry

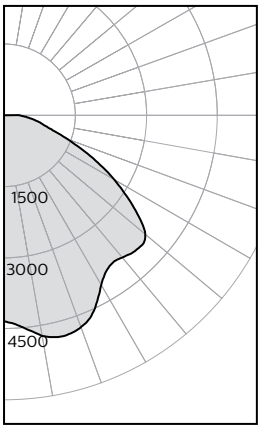
Fluorescent High Bay 4 lamp T5HO

Efficiency –80.7% **LER – 68**

Catalog no.	SHE454HO
Test no.	LSCD956
S/MH	1.4
Lamp type	T5HO*54W
Lumens/Lamp	4400
Ballast factor	1.0
Input watts	277

Comparative yearly lighting energy cost per 1000 lumens – $3.53 based on 3000 hrs. and $.08 pwr KWH.

Candela curve



Light Distribution

Degrees	Lumens	%Lamp	%Luminaire
0-30	6377	23.88	29.48
0-40	9760	36.56	45.12
0-60	16111	60.34	74.48
0-90	21630	81.01	100
90-180	0	0	0
0-180	21630	81.01	100

Average Luminance

Angle	End	45°	Cross
45	17146	10653	11136
55	16082	10724	13084
65	14084	12693	15706
75	10417	14845	16861
85	3658	15145	17492

Coefficients of utilization

Ceiling		80%			70%			50%	
Wall		70	50	30	70	50	30	50	30
RCR		Zonal cavity method – Effective floor reflectance = 20%							
Room Cavity Ratio	0	96	96	96	94	94	94	90	90
	1	88	84	81	86	83	79	79	77
	2	80	74	69	78	72	67	69	65
	3	73	65	59	71	64	58	62	57
	4	67	58	51	65	57	50	55	49
	5	61	51	44	59	50	43	48	42
	6	56	45	38	55	45	38	43	37
	7	52	41	33	50	40	33	39	32
	8	48	36	29	46	36	29	35	29
	9	44	33	26	43	32	26	31	25
	10	40	30	23	40	29	23	28	22

SHE Fluorescent High Bay

T5HO

Photometry (cont'd)

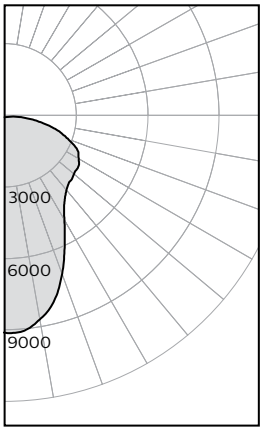
Fluorescent High Bay 6 lamp T5HO

Efficiency –81.0% **LER – 69**

Catalog no.	SHE654HO
Test no.	LSCD957
S/MH	0.9
Lamp type	T5HO*54W
Lumens/Lamp	4400
Ballast factor	1.0
Input watts	334

Comparative yearly lighting energy cost per 1000 lumens – $3.48 based on 3000 hrs. and $.08 pwr KWH.

Candela curve



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	3	73	65	58	71	64	58	61	56
	4	67	58	51	66	57	50	55	49
	5	62	51	44	60	50	44	49	43
	6	57	46	39	55	45	39	44	38
	7	53	42	35	52	41	35	40	34
	8	49	38	31	48	37	31	36	30
	9	45	34	28	44	34	27	33	27
	10	42	31	25	41	31	25	30	24

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