

PARABOLIC 3" LOUVER

HE3

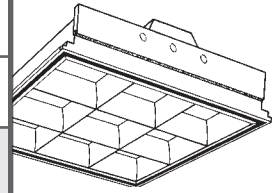
SUBMITTAL:

2x2

JOB:

TYPE:

VOLTAGE:



LOUVER
Patented
Inverted

EXAMPLE

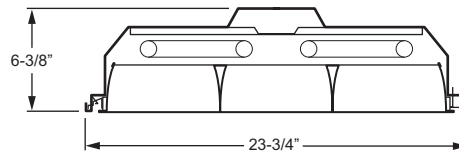
HE3 G - D 2 2 - 2 32U - 33 S - OPTIONS - EB2 - UNV

SERIES CEILING TYPE AIR FUNC. NOM. W. NOM. L. TOTAL LAMPS WATTAGE/TYPE LOUVER CELLS LOUVER FINISH OPTIONS BALLAST TYPE VOLTAGE



FEATURES

- ▶ Patented, inverted louver design provides greater efficiency, crisp lines, and eliminates crazing at bottom edge of louver.
- ▶ Semi-specular, low-iridescent, anodized aluminum louver in choice of cell configuration ensures superior, enduring performance. Specular or white louver is also available.
- ▶ Full 3" parabolic louver aids in glare reduction.
- ▶ Fully enclosed spring-loaded cam latches allow years of hassle-free maintenance.
- ▶ T-slot steel hinge allows for reversible hinging and latching and ensures positive retention when door is opened.
- ▶ Ballast secured by two captive bolts and nuts to ensure a tight, reliable fit for maximum heat dissipation.
- ▶ All parts painted after fabrication to facilitate installation, increase efficiency, and inhibit corrosion.
- ▶ This fixture is proudly made in the USA.



SPECIFICATIONS

Housing – 22-gauge die-formed C.R.S.
Parabolic Louver – Semi-specular, low-iridescent anodized aluminum standard with tab-and-slot construction. Patented (No. 5,678,922) inverted parabolic louver design.

→ Closed top reflects light instead of trapping it within the louver.

→ Forming the louver at top produces greater efficiency and less glare.

Patent No. 5,678,922.

→ Thin bottom edge is the thickness of two layers of material—prevents crazing at the bottom edge.

Door Frame – Concealed 22-gauge C.R.S. frame riveted to louver.

Finish – 92% minimum average reflective white polyester powder coat bonded to phosphate-free, multi-stage pretreated metal.

Electrical – Electronic ballast standard, instant start T8, program start T5, rated Class P.

Mounting – NEMA Type "G" standard. NEMA Type "SS" (earthquake clips included) available. For flange installations use the Drywall Kit (DFK), ordered separately, see Information section.

Labels – UL/CUL listed as recessed fluorescent luminaire suitable for dry or damp locations.

ORDERING INFORMATION

SERIES

HE3 Parabolic 3" Louver

CEILING TYPE

G NEMA Type "G"
SG NEMA Type "SS" (earthquake clips included)
 For flange installations use the Drywall Kit (DFK), ordered separately, see Information section.

AIR FUNCTION

See back for air function details.
D Static—no air function—no side slots (standard)
AR Air return only (through side slots)

NOMINAL WIDTH

2 2'

NOMINAL LENGTH

2 2'

TOTAL LAMPS

2, 3, or 4

LAMP WATTAGE/TYPE

14T5S 2', 14-watt T5
17 2', 17-watt T8
24T5H 2', 24-watt T5HO
31UN 2', U-bent, 31-watt T8, 1-5/8" leg spacing
32U 2', U-bent, 32-watt T8, 6" leg spacing (2 lamps only)
40TT 2', 40-watt long twin tube

LOUVER CELLS (Width x Length)

33 3 x 3, 9-cell
34 3 x 4, 12-cell
44 4 x 4, 16-cell

LOUVER FINISH

S Semi-specular silver aluminum (standard)
M Specular silver aluminum
W White aluminum

OPTIONS

For generic EM ballast options (must specify voltage), see Information section.
CA¹ Clear stippled acrylic overlay, .040" thick¹
WA¹ White acrylic overlay, .040" thick¹
F338 6', 3/8" flex, 3-conductor, No. 18 AWG (see Information section for wiring options)

BALLAST TYPE

See Information section for complete ballast offering.
EB2 2-lamp electronic ballast
EB3 3-lamp electronic ballast
EB4 4-lamp electronic ballast
EB2/1 (1) 2-lamp and (1) 1-lamp electronic ballast

VOLTAGE

120 120V **UNV** 120-277V
277 277V **347** 347V

¹ Static (D) units only.

2x2

PHOTOMETRY INFORMATION

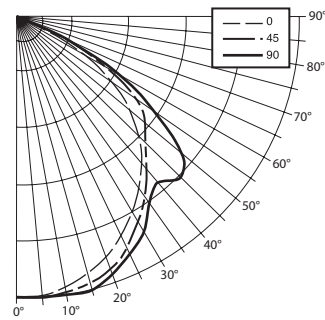
Catalog #: HE3G-D22-232U-33S-EB2

TEST REPORT INFORMATION

- ▶ Test Report#: 13609.0
- ▶ Date: 07/19/07
- ▶ Lamp Type: F32T8/835/U6
- ▶ Lamp Quantity: 2

CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0°	1614.	1614.	1614.	
5°	1609.	1613.	1618.	154.0
15°	1527.	1586.	1626.	448.5
25°	1393.	1472.	1508.	677.2
35°	1209.	1270.	1314.	797.3
45°	977.	1027.	1316.	849.1
55°	674.	826.	958.	726.5
65°	213.	314.	335.	291.6
75°	37.	39.	46.	42.2
85°	4.	4.	4.	4.4
90°	0.	0.	0.	



LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0 - 30	1280.	22.7	32.1
0 - 40	2077.	36.8	52.0
0 - 60	3653.	64.6	91.5
0 - 90	3991.	70.6	100.0
Total Luminaire:			
0 - 180	3991.	70.6	100.0
Total Luminaire Optical Efficiency: 70.6%			
IES Spacing Criteria: End = 1.2			
Across = 1.3			

ZONAL CAVITY COEFFICIENTS

	Ceiling	.80			.70			.50		
	Wall	.70	.50	.30	.70	.50	.30	.50	.30	.10
Room Cavity Ratio	0	.84	.84	.84	.82	.82	.82	.78	.78	.78
	1	.79	.76	.74	.77	.75	.72	.72	.70	.68
	2	.73	.69	.65	.71	.67	.64	.65	.62	.59
	3	.68	.62	.57	.66	.61	.56	.59	.55	.52
	4	.62	.55	.50	.61	.54	.49	.53	.48	.45
	5	.57	.49	.44	.56	.49	.43	.47	.42	.39
	6	.53	.44	.38	.52	.44	.38	.42	.38	.34
	7	.49	.40	.34	.47	.39	.34	.38	.33	.30
	8	.45	.36	.30	.44	.35	.30	.34	.29	.26
	9	.41	.32	.26	.40	.31	.26	.31	.26	.22
	10	.38	.29	.23	.37	.28	.23	.28	.23	.20

Effective Floor Cavity Reflectance = .20

QUANTITY ESTIMATOR

Room Size	±40 fc.	±60 fc.	±80 fc.
15' x 15' (225 sq. ft.)	6	9	12
30' x 30' (900 sq. ft.)	16	25	30
50' x 50' (2,500 sq. ft.)	36	56	72

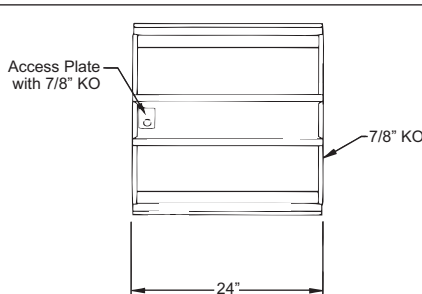
Calculations based on standard reflectance of 80/50/20 and a light loss factor of .85 with a 9'-0" ceiling height.

INSTALLATION DETAILS

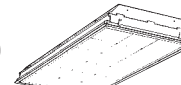
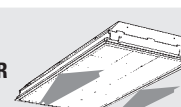
NEMA TYPE "SS" INSTALLATION (9/16" Wide Slot Grid)
Bottom of louver is 5/16" below bottom of fixture housing and is flush with the ceiling plane.

FIXTURE DETAILS

BACK VIEW



PARABOLIC AIR FUNCTIONS

TYPE D		Static, no air capabilities.
TYPE AR		Side slots for return air. No heat extract capacity.