

PARABOLIC 3" LOUVER

HE3

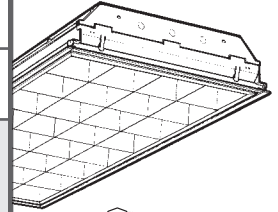
SUBMITTAL:

2x4

JOB:

TYPE:

VOLTAGE:



LOUVER
Patented
Inverted

EXAMPLE

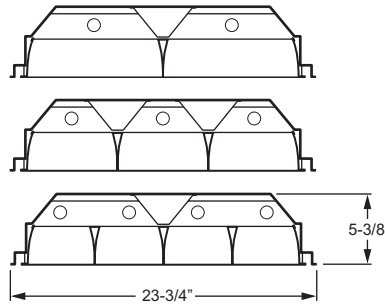
HE3 G - D 2 4 - 3 32 - 36 S - OPTIONS - EB3 - UNV

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



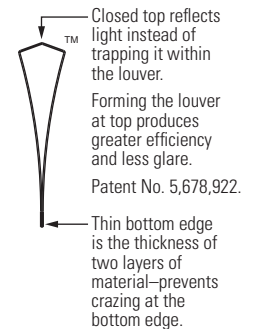
FEATURES

- ▶ 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.
- ▶ 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.



Door Frame – Concealed 22-gauge C.R.S. frame with integral hinges and spring steel latches completely hidden in black reveal.

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) and NEMA Type "F" available.

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"
F NEMA Type "F"
SG NEMA Type "SS" (earthquake clips included)

AIR FUNCTION

See back for air function details.

D Static—no air capabilities—no heat extract through lamp cavity—no side slots
E No heat extract through lamp cavity—supply/return air through side slots
F Side slots for supply or return air and non-adjustable heat extract
G Non-adjustable heat extract—no side slots in fixture housing
X Side slots for supply or return air, non-adjustable heat extract, adjustable air pattern control vanes
Z Side slots for supply or return air with adjustable air pattern control vanes—no heat extract capability

NOMINAL WIDTH

2 2'

NOMINAL LENGTH

4 4'

TOTAL LAMPS

2, 3, or 4

LAMP WATTAGE/TYPE

28T5S 4', 28-watt T5
32 4', 32-watt T8
54T5H 4', 54-watt T5HO

LOUVER CELLS (Width x Length)

2- or 4-LAMP OPTIONS

26 2 x 6, 12-cell
27 2 x 7, 14-cell
28 2 x 8, 16-cell
46 4 x 6, 24-cell
47 4 x 7, 28-cell
48 4 x 8, 32-cell

3-LAMP OPTIONS

36 3 x 6, 18-cell
37 3 x 7, 21-cell
38 3 x 8, 24-cell
39 3 x 9, 27-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
EB2/2 (2) 2-lamp electronic ballast

VOLTAGE

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

¹ Static (D) units only.

2x4

PHOTOMETRY INFORMATION

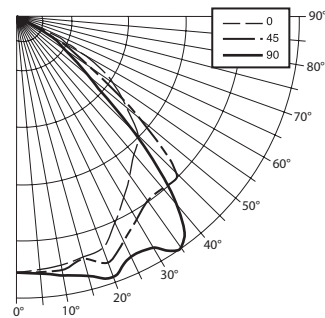
Catalog #: HE3G-D24-332-36S-EB3

TEST REPORT INFORMATION

- ▶ Test Report#: 10164.0
- ▶ Date: 01/12/99
- ▶ Lamp Type: F32T8/835/RS
- ▶ Lamp Quantity: 3

CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0°	2793.	2793.	2793.	
5°	2773.	2792.	2806.	266.8
15°	2710.	2730.	2922.	792.8
25°	2482.	2705.	2889.	1246.9
35°	2113.	2448.	3077.	1593.7
45°	1855.	2446.	1846.	1621.6
55°	1299.	1025.	681.	933.0
65°	412.	277.	189.	303.6
75°	49.	44.	42.	48.0
85°	12.	15.	12.	15.8
90°	0.	0.	0.	



LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0 - 30	2306.	26.1	33.8
0 - 40	3900.	44.1	57.2
0 - 60	6455.	72.9	94.6
0 - 90	6822.	77.1	100.0
Total Luminaire:			
0 - 180	6822.	77.1	100.0
Total Luminaire Optical Efficiency: 77.1%			
IES Spacing Criteria: End = 1.2			
Across = 1.6			

ZONAL CAVITY COEFFICIENTS

	Ceiling	.80			.70			.50		
	Wall	.70	.50	.30	.70	.50	.30	.50	.30	.10
Room Cavity Ratio	0	.92	.92	.92	.90	.90	.90	.86	.86	.86
	1	.86	.83	.81	.84	.82	.80	.79	.77	.75
	2	.81	.76	.72	.79	.74	.71	.72	.69	.66
	3	.75	.69	.64	.73	.67	.63	.65	.61	.58
	4	.69	.62	.56	.68	.61	.56	.59	.55	.51
	5	.64	.56	.50	.63	.55	.49	.53	.48	.45
	6	.59	.50	.44	.58	.50	.44	.48	.43	.39
	7	.55	.45	.39	.53	.45	.39	.43	.38	.35
	8	.50	.40	.34	.49	.40	.34	.39	.34	.30
	9	.46	.36	.30	.45	.36	.30	.35	.30	.26
10	.43	.33	.27	.42	.32	.27	.32	.26	.23	

Effective Floor Cavity Reflectance = .20

QUANTITY ESTIMATOR

Room Size	±40 fc.	±60 fc.	±80 fc.
15' x 15' (225 sq. ft.)	4	5	6
30' x 30' (900 sq. ft.)	9	12	16
50' x 50' (2,500 sq. ft.)	20	30	36

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

FIXTURE DETAILS

INSTALLATION DETAILS

NEMA Type "F" – Overall trim dimensions: 25-5/16" x 49-5/16". For individual mounting recommended ceiling opening: 24-3/8" x 48-3/8". For continuous row mounting, add 49-5/16" for each additional fixture to obtain ceiling opening. 1-5/16" between end plates. Swing-out bracket vertical adjust: 1-1/4" minimum to 4-3/8" maximum.

NEMA Type "SS" 9/16" wide slot grid – Bottom of louver is 5/16" below bottom of fixture housing and is flush with the ceiling plane.

PARABOLIC AIR FUNCTIONS

TYPE D		Static, no air capabilities.
TYPE F TYPE X		Side slots for supply or return air and non-adjustable heat extract. Type X available with adjustable air control vanes.
TYPE G		No side slots in fixture housing, non-adjustable heat extract.
TYPE E TYPE Z		Side slots for supply or return air, no heat extract capability. Type Z has adjustable air pattern control vanes.

AIR FUNCTION CODE

- "D" style static fixtures are UL listed as recessed fluorescent fixture suitable for dry or damp locations.
- All air handling styles are UL listed as recessed fluorescent fixture suitable for air handling use, for dry locations only.
- Select air function required from table. If function other than style "D" is required, change letter prefix to required function. (Example: If unit with supply/return air through side slots with adjustable air pattern control vane and non-adjustable heat extract through lamp cavity required, change "D" to "X" = HE3G-X24-432-48S).
- All of the air functions have full floating louver effect with black reveal around the entire perimeter of the louver.

BACK VIEW

