

PARABOLIC 3" LOUVER

HE3

SUBMITTAL:

1x4

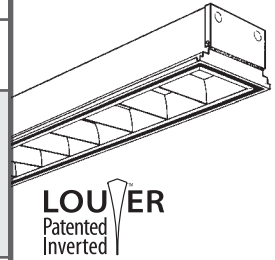
JOB:

TYPE:

VOLTAGE:

EXAMPLE → **HE3 G - D 1 4 - 2 32 - 18 S - OPTIONS - EB2 - UNV**

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

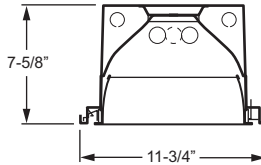


LOUVER
Patented
Inverted



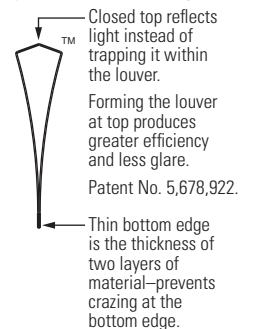
FEATURES

- ▶ 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 assists 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.
- ▶ 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 with tab-and-slot construction. Patented (No. 5,678,922) inverted parabolic louver design.



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. All parts painted after fabrication to facilitate installation, increase efficiency, and inhibit corrosion.

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 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

1 1'

NOMINAL LENGTH

4 4'

TOTAL LAMPS

1 or 2

LAMP WATTAGE/TYPE

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

LOUVER CELLS (Width x Length)

16 1 x 6, 6-cell	26 2 x 6, 12-cell
18 1 x 8, 8-cell	28 2 x 8, 16-cell
19 1 x 9, 9-cell	29 2 x 9, 18-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.

EB1 1-lamp electronic ballast
EB2 2-lamp electronic ballast

VOLTAGE

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

¹ Static (D) units only.

1x4

PHOTOMETRY INFORMATION

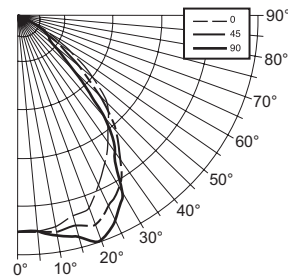
Catalog #: HE3G-D14-232-18S-EB2

TEST REPORT INFORMATION

- ▶ Test Report#: 8654.0
- ▶ Date: 02/08/96
- ▶ Lamp Type: F32T8/SPX35/RS
- ▶ Lamp Quantity: 2

CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0°	1948.	1948.	1948.	
5°	1926.	1942.	1956.	185.0
15°	1873.	1954.	2054.	555.0
25°	1720.	1920.	2056.	879.0
35°	1437.	1649.	1542.	984.0
45°	1157.	1107.	824.	829.0
55°	673.	428.	328.	427.0
65°	65.	111.	158.	107.0
75°	8.	10.	13.	11.5
85°	3.	3.	5.	4.1
90°	0.	0.	0.	



LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0 - 30	1620.	27.5	40.7
0 - 40	2604.	44.1	65.4
0 - 60	3861.	65.4	96.9
0 - 90	3984.	67.5	100.0
Total Luminaire:			
0 - 180	3984.	67.5	100.0
Total Luminaire Optical Efficiency: 67.5%			
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	.80	.80	.80	.79	.79	.79	.75	.75	.75
	1	.74	.74	.72	.74	.72	.70	.69	.68	.67
	2	.71	.67	.64	.70	.66	.63	.64	.61	.59
	3	.67	.61	.57	.65	.60	.57	.59	.55	.53
	4	.62	.56	.51	.61	.55	.51	.54	.50	.47
	5	.58	.51	.46	.56	.50	.45	.49	.45	.42
	6	.54	.46	.41	.53	.46	.41	.45	.40	.37
	7	.50	.42	.37	.49	.42	.37	.41	.36	.33
	8	.46	.38	.33	.45	.38	.33	.37	.32	.29
	9	.42	.34	.29	.41	.34	.29	.33	.29	.26
10	.39	.31	.26	.39	.31	.26	.30	.26	.23	

Effective Floor Cavity Reflectance = .20

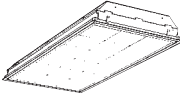
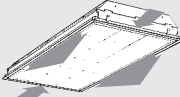
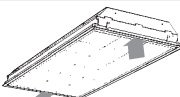
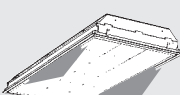
QUANTITY ESTIMATOR

Room Size	±40 fc.	±60 fc.	±80 fc.
15' x 15' (225 sq. ft.)	9	16	20
30' x 30' (900 sq. ft.)	20	30	48
50' x 50' (2,500 sq. ft.)	36	49	70

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

FIXTURE DETAILS

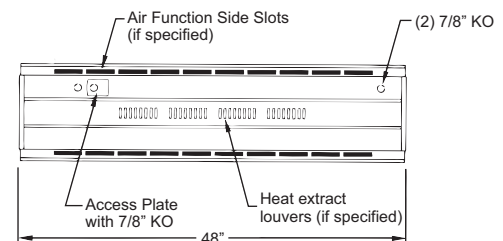
PARABOLIC AIR FUNCTIONS

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" = U3G-X14-232-18S).
- All of the air functions have full floating louver effect with black reveal around the entire perimeter of the louver.

BACK VIEW



INSTALLATION DETAILS

NEMA Type "F" – Overall trim dimensions: 13-5/16" x 49-5/16". For individual mounting recommended ceiling opening: 12-3/8" 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.

