

PARABOLIC 3" LOUVER

HE3

SUBMITTAL:

1x1

JOB:

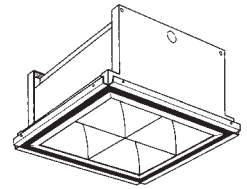
TYPE:

VOLTAGE:

EXAMPLE

HE3 G - D 1 1 - 2 18TT - 22 S - OPTIONS - EB2 - UNV

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

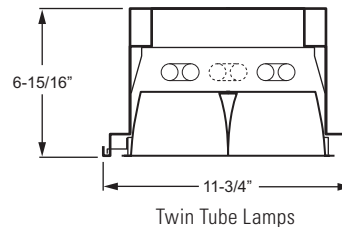


LOUVER
Patented
Inverted



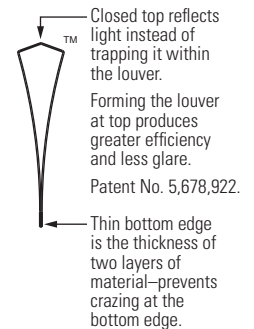
FEATURES

- ▶ Patented, inverted louver design provides greater efficiency, crisp lines, and eliminates crazing at bottom edge of louver.
- ▶ Semi-specular, low-iridescent, anodized aluminum louver 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 – 20-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 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 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)

FIXTURE STYLE

D 9/16" reveal around floating door

NOMINAL WIDTH

1 1'

NOMINAL LENGTH

1 1'

TOTAL LAMPS

2 or 3

LAMP WATTAGE/TYPE

18TT 18-watt, 10-1/2", long twin tube
26T4 26-watt compact fluorescent

LOUVER CELLS (Width x Length)

22 2 x 2, 4-cell

LOUVER FINISH

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

OPTIONS

For generic EM ballast options, see Information section.
CA Clear stippled acrylic overlay, .040" thick
WA White acrylic overlay, .040" thick

BALLAST TYPE

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

VOLTAGE

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

1x1

PHOTOMETRY INFORMATION

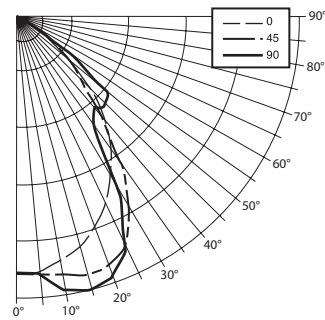
Catalog #: HE3G-D11-218TT-22S-EB2

TEST REPORT INFORMATION

- ▶ Test Report#: 6451.0
- ▶ Date: 03/07/91
- ▶ Lamp Type: F18BX/SPX35/RS
- ▶ Lamp Quantity: 2

CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0°	777.	777.	777.	
5°	775.	784.	785.	74.8
15°	729.	812.	861.	227.4
25°	639.	780.	790.	345.6
35°	507.	566.	407.	321.3
45°	342.	278.	380.	258.7
55°	121.	147.	190.	136.5
65°	19.	23.	25.	22.6
75°	4.	6.	6.	5.8
85°	0.	0.	0.	0.
90°	0.	0.	0.	0.



LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0 - 30	648.	25.9	46.5
0 - 40	969.	38.8	69.6
0 - 60	1364.	54.6	98.0
0 - 90	1393.	55.7	100.0
Total Luminaire:			
0 - 180	1393.	55.7	100.0

Total Luminaire Optical Efficiency: **55.7%**
 IES Spacing Criteria: End = 1.1
 Across = 1.2

ZONAL CAVITY COEFFICIENTS

	Ceiling	.80			.70			.50		
	Wall	.70	.50	.30	.70	.50	.30	.50	.30	.10
Room Cavity Ratio	0	.66	.66	.66	.65	.65	.65	.62	.62	.62
	1	.63	.61	.59	.61	.60	.58	.58	.56	.55
	2	.59	.56	.53	.58	.55	.53	.53	.51	.50
	3	.55	.51	.48	.54	.51	.48	.49	.47	.44
	4	.52	.47	.43	.51	.46	.43	.45	.42	.40
	5	.48	.43	.39	.47	.42	.39	.41	.38	.36
	6	.45	.39	.35	.44	.39	.35	.38	.35	.32
	7	.42	.36	.32	.41	.36	.32	.35	.31	.29
	8	.39	.33	.29	.38	.32	.29	.32	.28	.26
	9	.36	.30	.26	.35	.29	.26	.29	.25	.23
	10	.34	.27	.23	.33	.27	.23	.26	.23	.20

Effective Floor Cavity Reflectance = .20

QUANTITY ESTIMATOR

Room Size	±30 fc.	±50 fc.	±70 fc.
8' x 10' (80 sq. ft.)	6	9	12
15' x 15' (225 sq. ft.)	9	16	25
6' x 50' (300 sq. ft.)	17	28	—

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 "F" INSTALLATION

Overall trim dimensions: 13-5/16" x 13-5/16"
 Recommended ceiling opening: 12-5/16" ±1/8" x 12-5/16" ±1/8"
 Swing-out bracket vertical adjust: 1-1/4" minimum to 3-3/4" maximum

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.

BACK VIEW

