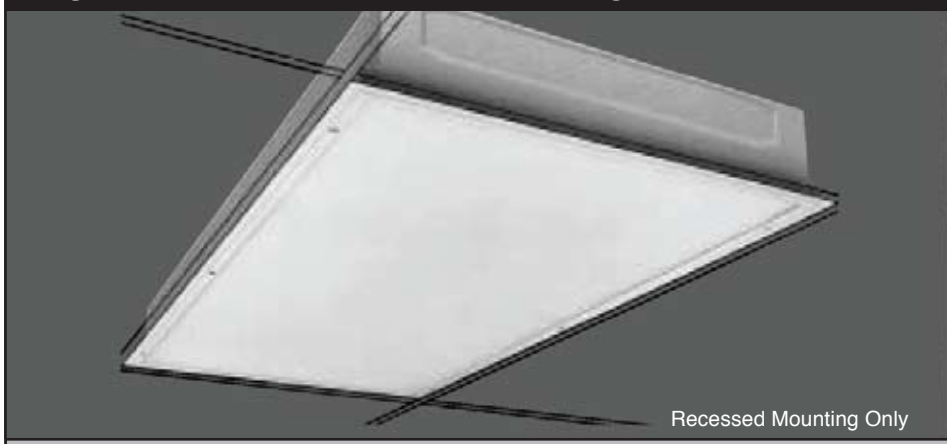


# KLEENSEAL™ KTR 50 SERIES – OPTIONAL CLASS 1 DIV 2

## Hinged Door Frame and Sealed Housing



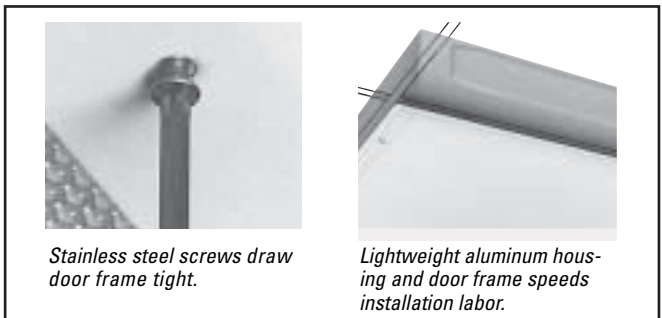
FEATURES	BENEFITS	APPLICATIONS
<ul style="list-style-type: none"> <li>• New 80% efficiency</li> <li>• Aluminum housing</li> <li>• Fits 1", 1-1/2", grid</li> <li>• Grid or flange mounting</li> <li>• Optional "Vision+" louver</li> <li>• Hazardous location listed</li> <li>• Hinge and latch door</li> </ul>	<ul style="list-style-type: none"> <li>• Least fixtures</li> <li>• 26 lbs less weight</li> <li>• Lower installation cost</li> <li>• Versatile usage</li> <li>• No computer glare</li> <li>• Easily cleaned</li> <li>• Cooler ballast operation</li> </ul>	<ul style="list-style-type: none"> <li>• Class 100-100,000 cleanrooms</li> <li>• Locker rooms</li> <li>• Computer areas</li> <li>• Damp locations</li> <li>• Dirty areas</li> <li>• Laboratories</li> <li>• Fuel Storage</li> </ul>

## Specifications/Features

- GENERAL**
- Recessed, sealed aluminum housing with gasketed hinged door.
  - Utilizes T-5, T-8, T-12 and compact fluorescent lamps.
  - Designed for 1" and 1-1/2" grid mounting.
  - Aluminum housing weighs 16 lbs. versus 42 lbs. for steel. Speeds installation and lowers cost. Eliminates corrosion.
  - New 80% efficiency and broader 1.3 spacing allows less fixtures.
  - Optional sealed louver door assembly eliminates computer screen glare.

- CONSTRUCTION**
- .040" aluminum housing in 92% reflectance white polyester powder finish.
  - Totally sealed and gasketed housing.
  - Gasketed wiring access plate.
  - Seismic support mounting feature standard.
  - K5H (Hazardous) includes one 1/2" Myer hub.

- DOOR FRAME/LENS**
- Aluminum door frame finished in white polyester powder paint.
  - Gasketed door frame.
  - Door hinged to housing for easy tool-free access.
  - Standard .125 lens with prisms up provides 80% fixture efficiency. Optional lens available.
  - Optional "Vision+" parabolic louver has clear acrylic underlay to provide a sealed door assembly. Eliminates direct glare on computer screens and meets IES/ANSI human visual comfort standards.



*Stainless steel screws draw door frame tight.*

*Lightweight aluminum housing and door frame speeds installation labor.*

Increases 0-60 degree fixture efficiency 12%. Eliminates light above 60 degrees. Choose VPL lens option. (See VPL data sheet) .

- LISTINGS**
- Listed for wet locations — covered ceilings only.
  - Listed for Class 1 Division 2 Groups A, B, C, D Temp Code T4 (40° C Ambient).

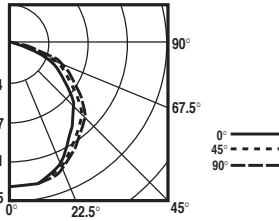
- ELECTRICAL**
- HPF electronic ballast standard.
  - Fixtures carry the IBEW label to ensure quality.



# Photometrics

Coefficients of Utilization  
4 Lamp, 32W T-8 K5 244F32G6 AP31 Prisms Up

Ceiling Refl.	80%			50%			10%		
Wall Refl.	50	30	10	50	30	10	50	30	10
RCR 20% Effective Floor Cavity Reflectance									
1	.84	.81	.78	.79	.76	.74	.69	.69	.69
2	.73	.68	.63	.69	.65	.61	.57	.57	.57
3	.64	.58	.53	.61	.56	.51	.48	.48	.48
4	.57	.50	.45	.54	.48	.44	.41	.41	.41
5	.51	.44	.38	.48	.42	.38	.35	.35	.35
6	.46	.39	.33	.44	.38	.33	.31	.31	.31
7	.42	.34	.29	.40	.34	.29	.27	.27	.27
8	.38	.31	.26	.36	.30	.26	.24	.24	.24
9	.35	.28	.24	.33	.28	.23	.22	.22	.22
10	.32	.26	.21	.31	.25	.21	.20	.20	.20

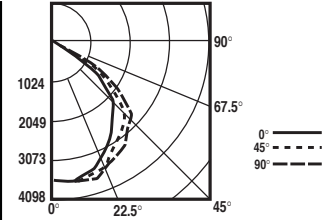


Report No. P11473

S/MH Ratio 1.3:1  
Total Lamp Lumens 11,800  
Fixture Efficiency 80%

Coefficients of Utilization  
4 Lamp, 32W T-8 K-5-244F326VPL

Ceiling Refl.	80%			50%			10%		
Wall Refl.	50	30	10	50	30	10	50	30	10
RCR 20% Effective Floor Cavity Reflectance									
1	.78	.76	.74	.74	.72	.71	.66	.66	.66
2	.70	.66	.63	.67	.64	.61	.58	.58	.58
3	.63	.58	.54	.60	.56	.53	.50	.50	.50
4	.57	.51	.47	.54	.50	.46	.44	.44	.44
5	.51	.45	.41	.49	.44	.40	.38	.38	.38
6	.46	.40	.36	.44	.39	.36	.34	.34	.34
7	.42	.36	.32	.40	.35	.32	.30	.30	.30
8	.38	.33	.29	.37	.32	.29	.27	.27	.27
9	.35	.30	.26	.34	.29	.26	.24	.24	.24
10	.33	.27	.23	.31	.27	.23	.22	.22	.22

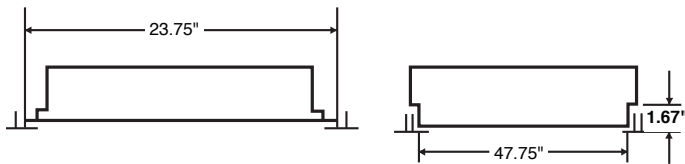


Report No. P11472

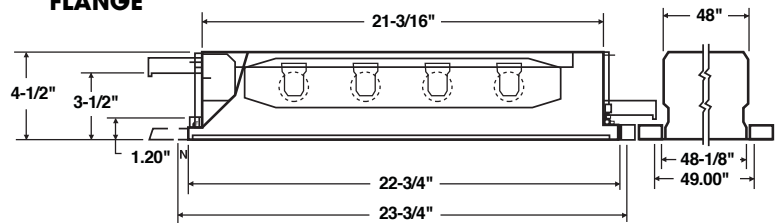
S/MH Ratio 1.4:1  
Total Lamp Lumens 11,800  
Fixture Efficiency 72%

# Dimensions

## GRID



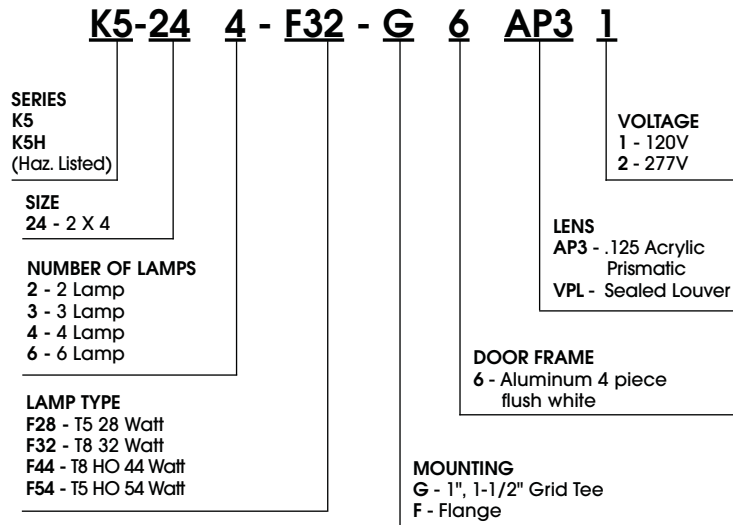
## FLANGE



## CEILING CUT DIMENSIONS FOR FLANGE UNITS

2 x 4	22-3/4 x 48-1/8
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# KTR 50 Catalog Numbers



# Options

- "/SFF" - GMF Slow Blow Fuse
- "/BEF" - BEF Battery Operated Emergency System B-70A.
- "/DN" - Lens Prisms Down
- "/2EB" - 2 Electronic Ballasts
- "/HZ-BEF" - Hazardous Battery-Operated Emergency System  
Consult factory for availability

## Project Name:

Type	Catalogue Number	Lamp	Comments

Refer to corrosion resistance charts for suitability to any application.  
Guth utilized the services of U.L. and ETL for listing products.  
Specifications and data are subject to change without notice.