

**DESCRIPTION**

The MNE I-Lume exam light provides high performance illumination in a compact, energy-efficient package. Designed around precision optics and T5HO lamp technology, the I-Lume offers powerful, focused light for examinations and procedures. Typically installed in pairs, its unique optical design directs light asymmetrically - minimizing shadows and positioning light exactly where it is needed. The I-Lume ensures comfortable, glare-free examination lighting for both the healthcare professional and patient. The I-Lume is designed for use in healthcare facilities. Ideal for patient rooms, exam rooms and recovery areas.

<b>Catalog #</b>		<b>Type</b>
<b>Project</b>		
<b>Comments</b>		<b>Date</b>
<b>Prepared by</b>		

**SPECIFICATION FEATURES**

**Application**

The I-Lume is designed for use in healthcare facilities. Ideal for patient rooms, exam rooms and recovery areas.

**Housing**

20-gauge steel housing.

**Door**

Optional door available for enclosed fixture requirements.

**Mounting**

Recessed grid or flange.

**Finish**

High gloss, electrostatically applied, white powder coat finish, average minimum reflectance 92%. 1000 hour salt spray test.

**Lens**

0.100" acrylic diffused lens with perforated overlay.

**Lamps**

Designed for T5 or T5HO linear fluorescent lamps, one-lamp cross-section.

**Reflector**

Enhanced specular aluminum material for precise optical control. Optional semi-specular aluminum.

**Ballast**

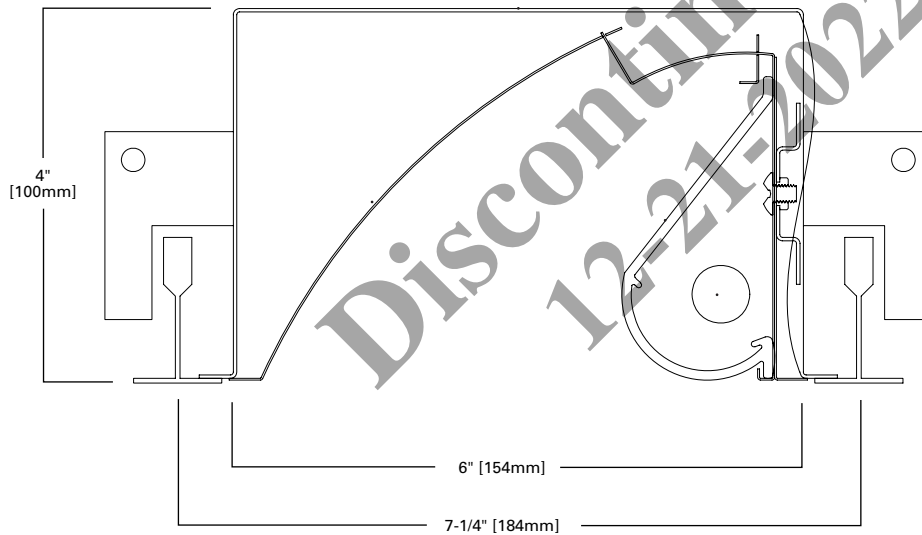
Electronic Class P, CBM/ETL ballast.



**MNE  
I - Lume**

6"  
Fluorescent  
Healthcare: Patient

**RECESSED**  
Exam



For Flange application, ceiling cut-out dimensions, please consult factory.



ORDERING INFORMATION

SAMPLE NUMBER: MNE-128-UNV-G-EB51

MNE

Product Family

MNE= Medical Narrow Exam <sup>1, 6</sup>

Reflector Finish

Blank =Miro 4 Specular Aluminum

I=Semi-specular Aluminum  
W=White Aluminum

Voltage

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

Mounting

G=9/16" or 1" T-Bar  
F=Flange <sup>3</sup>

Ballast

EB51=(1) T5HO Ballast  
D=Dimming <sup>2</sup>

Options

EL5=EM Pack, T5, T5HO  
GLR=Fuse and Holder  
RIF=Radio Interference Filter  
AM=Anti-microbial Finish (all painted parts)  
/MS9 =Master Satellite, 9' flex <sup>4</sup>

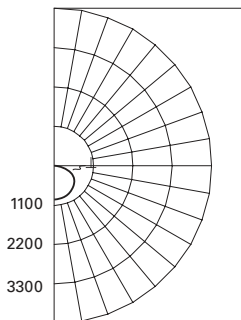
Accessories <sup>3</sup>

MNE-GGD-4H=Door, Grid mount, Hinged, 0.125" Clear Acrylic <sup>5, 7</sup>  
MNE-GGD-4H-F=Door, Flange mount, Hinged, 0.125" Clear Acrylic <sup>5, 7</sup>  
MNEYOKEF PK=Mounting yoke and hardware necessary when using MNE-GGD-4H-F <sup>5</sup>

Notes:

- 1 Fixture ordered as a single unit. For one pair of fixtures, order two (2) individual fixtures.
- 2 For specific dimming ballast, specify manufacturer and catalog number.
- 3 MNE-GGD door (grid or flange) compatible with grid style MNE fixture. MNE-GGD door is a separate door using clear acrylic, hinged or cabled. The MNE fixture is attached (in the field) to the MNE-GGD door. When using the MNE-GGD, a "grid" MNE fixture is to be specified. Order the MNE-GGD as grid or flange. EXAMPLE: Grid Ceiling: (1) MNE-128-UNV-G-EB51 and (1) MNE-GGD-4C; or hard-lid/sheetrock ceiling: (1) MNE-128-UNV-G-EB51 and (1) MNE-GGD-4C-F.
- 4 Not available with dimming ballast.
- 5 For hard-lid/sheetrock applications, the yoke that connects the fixture to the rigid ceiling structure above is to be entered as a separate line item. Two (2) yokes necessary per fixture. Ordering information example: (1) MNE-128-UNV-G-EB51 (1) MNE-GGD-4H-F (2) MNEYOKEF PK
- 6 Hard metric sizes available. Consult factory for ordering information.
- 7 Add "\_AM" to end of catalog number for auto-microbial finish on metal door components. Add "\_PC" to end of catalog number for clear polycarbonate lens, 0.125" thick.

PHOTOMETRICS



MNE-48-T5HO

(1) Electronic Ballasts  
(1) F54T5HO/830 54W lamps  
5000 lumens

Spacing criterion: (||) 1.3 x mounting height,  
(⊥) 1.4 x mounting height

Efficiency 64.8%

Test Report:

113P114R (single fixture on)

Luminaire Data

Angle in Deg	Average 0-Deg cd/sm	Average 90-Deg cd/sm	Average 180-Deg cd/sm
45	1232	6254	5875
55	871	6828	7105
65	519	7351	8432
75	259	6754	7743
85	140	3774	5801

Coefficients of Utilization

rc	Effective floor cavity reflectance																	
	80%				70%				20%									
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	77	77	77	77	75	75	75	75	72	72	72	69	69	69	66	66	66	65
1	71	68	66	63	69	67	64	62	64	62	60	61	60	58	59	58	57	55
2	65	60	56	53	64	59	55	52	57	54	51	55	52	50	53	51	49	47
3	60	54	49	45	58	53	48	44	51	47	44	49	46	43	47	44	42	41
4	55	48	43	39	54	47	42	38	46	41	38	44	40	37	43	39	37	35
5	51	43	38	34	50	43	37	34	41	37	33	40	36	33	39	35	33	31
6	47	39	34	30	46	39	33	30	38	33	29	36	32	29	35	32	29	28
7	44	36	30	27	43	35	30	27	34	30	26	33	29	26	33	29	26	25
8	41	33	28	24	40	32	27	24	32	27	24	31	27	24	30	26	24	22
9	39	30	25	22	38	30	25	22	29	25	22	29	24	22	28	24	21	20
10	36	28	23	20	35	28	23	20	27	23	20	27	22	20	26	22	20	18

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1161	23.2	35.8
0-40	1800	36.0	55.5
0-60	2702	54.0	83.4
0-90	3241	64.8	100.0
0-180	3241	64.8	100.0

Typical VCP Percentages

Room Size (Ft.)	Height Along		Height Across	
	8.5'	10.0'	8.5'	10.0'
20 x 20	46	55	43	49
30 x 30	40	43	36	40
30 x 60	35	36	31	32
60 x 30	43	46	41	43
60 x 60	37	38	35	35