

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.

Catalog #		Type
Project		
Comments		Date
Prepared by		

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

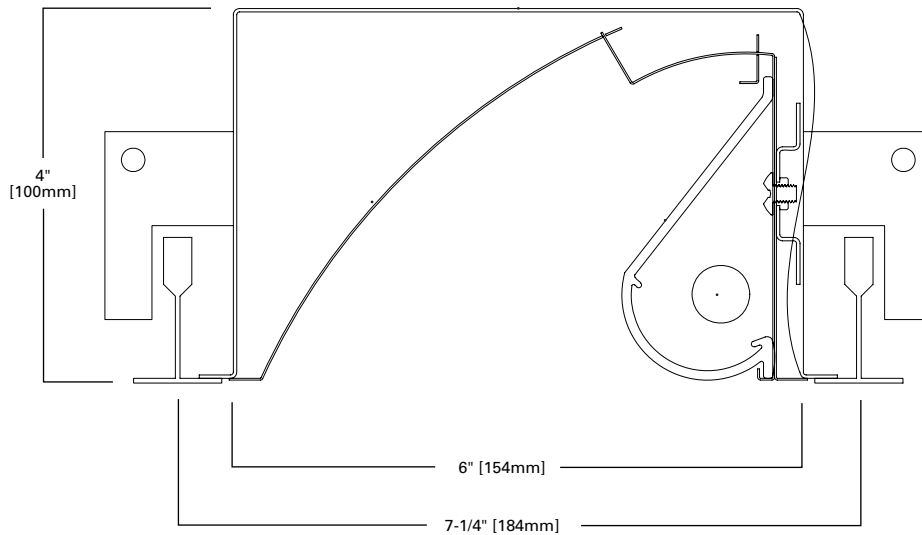
Electronic Class P, CBM/ETL ballast.



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 ^{1,6}

Lamp Type

2'

114= (1) 14W T5 Lamp

124= (1) 24W T5 Lamp

4'

154= (1) 54W T5 Lamp

128= (1) 28W T5 Lamp

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 ³

Ballast

EB51=(1) T5HO Ballast

D=Dimming ²

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 ⁴Accessories ³MNE-GGD-4H=Door, Grid mount, Hinged,
0.125" Clear Acrylic ^{5,7}MNE-GGD-4H-F=Door, Flange mount,
Hinged, 0.125" Clear Acrylic ^{5,7}MNEYOKEF PK=Mounting yoke and
hardware necessary when using
MNE-GGD-4H-F ⁵

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:

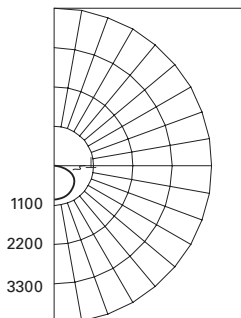
(1) MNE-128-UNV-G-EB51

(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: (II) 1.3 x mounting height,

(⊥) 1.4 x mounting height

Efficiency 64.8%

Test Report:

113P114R (single fixture on)

Luminance 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

Effective floor cavity reflectance																			20%		
rc	80%				70%				50%			30%			10%			0%			
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0			
RCR																					
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