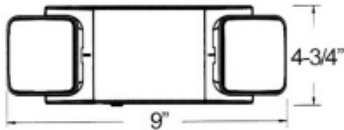




Catalog Number 73424
UPC Number 60198673424
Description Emergency Light
LED
White Housing
High Output

Features

- Long Life Energy Saving LED Lamps
- Completely Self-Contained
- Fully Automatic Operation
- Push to Test Switch
- Automatic Low Voltage Disconnect (LVD)
- 120 or 277 VAC Operation
- Charge Rate/Power On LED Indicator Light
- Energy Consumption of Less than 4 Watts for Red letters
- Injection-Molded, UL 94 V-O Flame Retardant, High Impact, Thermoplastic Housing
- Fully Adjustable Glare-Free LED Lamps
- Heads Rotate 180°+ for Maximum Field Flexibility
- Universal Mounting Canopy for Top or Back J-box Installation & 2 Snap-fit Face Plates
- Field replaceable chevron directional indicators
- Integral wiring channels to facilitate installation
- 3.6 Volt 1000 mAh Sealed Ni-Cad Rechargeable Maintenance-Free Battery
- 90 Minute Minimum Battery run Time
- Input Current: .22A 120V .10A 277V
- Input Wattage: 2.5W Remote Capable
- Environmentally-Coated, Solid State Charger
- Damp Location Rated
- UL 924 Listed
- 5 Year Warranty



Dimension Information

L Inches 9"
H Inches 4-3/4"

Specifications

Input Rating Amps: .22A@120V .10A@277V
Input Rating Watts: 1.8W
Frequency: 60 Hz
Voltage Rating: 120/277
Flammability Rating: UL94V-0

Packaging

Box Qty 1
Master Carton Qty 6

Certifications

UL UL 924
cUL No
RoHS Yes



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NVLAP LAB CODE: 200925-0

INDEPENDENT TESTING LABORATORIES, INC.
4066 CAMELOT CIRCLE, LONGMONT, CO 80504 USA

PHONE: (303) 442-1255 • FAX: (970) 535-3114 • E-MAIL: itl@itlboulder.com • WEBSITE: www.itlboulder.com

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PREPARED FOR: MORRIS PRODUCTS INC.
CATALOG NUMBER: 73424

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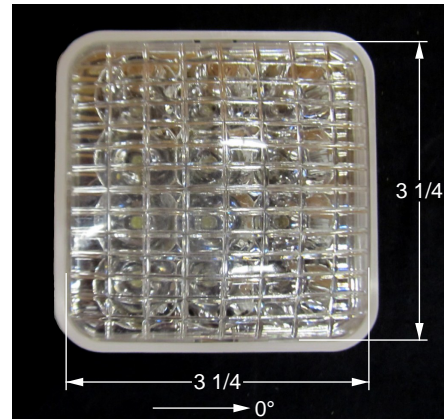
LUMINAIRE: ONE 11.625" X 7.25" MOLDED WHITE PLASTIC SINGLE FACE EXIT SIGN WITH 2 MOLDED WHITE PLASTIC SWIVEL HEAD ASSEMBLIES, EACH HEAD ASSEMBLY CONSISTS OF: ONE CIRCUIT BOARD WITH 12 LEDS, MOLDED PLASTIC REFLECTOR WITH SPECULAR FINISH AND 1 APERTURE PER LED, CLEAR RECTANGULAR PRISMATIC PLASTIC LENS. BOTH SWIVEL HEAD ASSEMBLIES AND ALL 10 INTERIOR LEDS WERE ILLUMINATED FOR THIS TEST. ONLY ONE LIGHT HEAD WAS MEASURED FOR LIGHT OUTPUT.

LAMPS: TWELVE WHITE LIGHT EMITTING DIODES (LEDS) EACH WITH CLEAR CYLINDRICAL INTEGRAL LENS WITH HEMISPHERICAL END, VERTICAL BASE-UP POSITION.

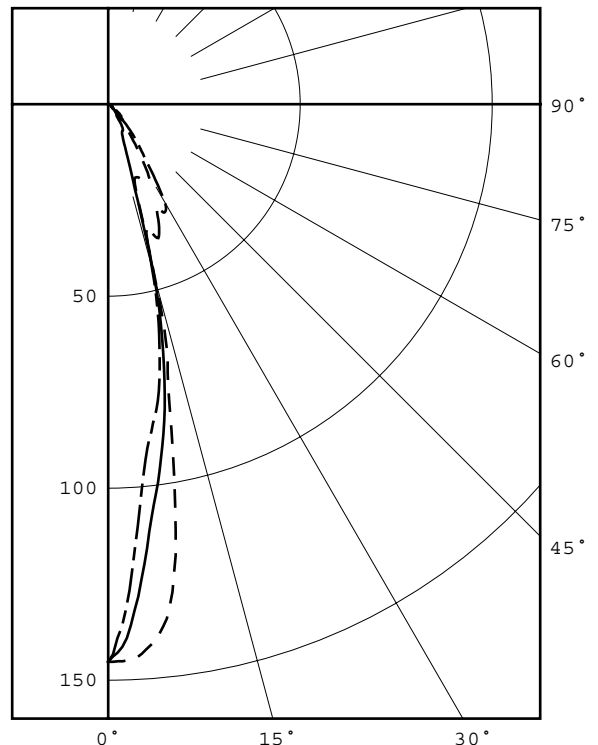
TOTAL INPUT WATTS = 1.76 AT 3.6 VOLTS DC MOUNTING: SURFACE

LED DRIVER: PACE ELECTRONICS PROPRIETARY
NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT CLIENT REQUESTED INPUT VOLTAGE (3.6VDC) TO THE DRIVER. DRIVER INFORMATION PROVIDED BY CLIENT.

TEST PROCEDURE: IESNA LM-79-08
TEST DISTANCE = 35.0 FEET



CANDELA DISTRIBUTION						FLUX
	0.0	22.5	45.0	67.5	90.0	
0	145	145	145	145	145	
5	140	131	116	103	101	10.2
15	48	44	46	51	44	12.3
25	22	14	9	23	30	8.4
35	11	7	4	10	16	5.8
45	3	3	3	3	5	2.4
55	1	1	1	2	2	1.2
65	1	0	1	1	2	0.7
75	0	0	0	0	1	0.3
85	0	0	0	0	0	0.2
90	0	0	0	0	0	
95	0	0	0	0	0	0.0
105	0	0	0	0	0	0.0
115	0	0	0	0	0	0.0
125	0	0	0	0	0	0.0
135	0	0	0	0	0	0.0
145	0	0	0	0	0	0.0
155	0	0	0	0	0	0.0
165	0	0	0	0	0	0.0
175	0	0	0	0	0	0.0
180	0	0	0	0	0	0.0



LEGEND:
0-deg -----
45-deg _____
90-deg -.-.-.-.-

ZONAL ZONE	LUMEN LUMENS	%FIXT
0- 30	30.9	74.6
0- 40	36.7	88.5
0- 60	40.2	97.1
0- 90	41.4	100.0
90-120	0.0	0.0
90-130	0.0	0.0
90-150	0.0	0.0
90-180	0.0	0.0
0-180	41.4	100.0

EFFICACY = 23.5 lm/W
CIE TYPE - DIRECT
PLANE : 0-DEG 90-DEG
SPACING CRITERIA : 0.42 0.35

Checked B. HYRE
Approved R. BEATTIE
Lighting Engineer



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CANDELA DISTRIBUTION
 LATERAL ANGLE

	0.0	22.5	45.0	67.5	90.0
0.0	145	145	145	145	145
0.5	145	145	144	143	143
1.0	145	145	143	141	139
1.5	145	144	141	138	136
2.0	145	144	139	134	132
2.5	145	142	136	129	127
3.0	144	140	132	123	121
3.5	143	138	128	118	115
4.0	142	136	124	112	110
4.5	141	134	120	107	105
5.0	140	131	116	103	101
5.5	139	128	112	98	97
6.0	137	125	108	95	93
6.5	135	122	105	92	90
7.0	132	119	102	90	88
7.5	128	114	99	87	86
8.0	123	110	96	86	84
8.5	119	105	93	84	82
9.0	112	99	90	82	80
9.5	106	93	87	80	78
10.0	99	87	84	78	76
11.0	86	75	77	73	70
12.0	75	65	70	68	64
13.0	69	58	62	64	58
14.0	61	53	55	60	52
15.0	48	44	46	51	44
16.0	37	33	35	39	37
17.0	28	25	26	31	34
18.0	23	20	21	28	35
19.0	21	18	17	28	36
20.0	20	16	15	28	37
22.5	21	14	11	27	35
25.0	22	14	9	23	30
27.5	23	13	8	19	32
30.0	21	12	8	18	29
32.5	15	10	6	15	22
35.0	11	7	4	10	16
37.5	8	5	4	7	12
40.0	5	4	3	5	9
42.5	4	3	3	4	6
45.0	3	3	3	3	5
47.5	2	2	2	3	5
50.0	2	1	2	2	4
52.5	1	1	1	2	3
55.0	1	1	1	2	2
57.5	1	1	1	1	2
60.0	1	1	1	1	2
62.5	1	1	1	1	2
65.0	1	0	1	1	2
67.5	1	0	1	1	1
70.0	0	0	0	0	1
72.5	0	0	0	0	1
75.0	0	0	0	0	1
77.5	0	0	0	0	0
80.0	0	0	0	0	0
82.5	0	0	0	0	0
85.0	0	0	0	0	0
87.5	0	0	0	0	0
90.0	0	0	0	0	0
92.5	0	0	0	0	0
95.0	0	0	0	0	0
97.5	0	0	0	0	0
100.0	0	0	0	0	0
102.5	0	0	0	0	0



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CANDELA DISTRIBUTION
 LATERAL ANGLE

	0.0	22.5	45.0	67.5	90.0
105.0	0	0	0	0	0
107.5	0	0	0	0	0
110.0	0	0	0	0	0
112.5	0	0	0	0	0
115.0	0	0	0	0	0
117.5	0	0	0	0	0
120.0	0	0	0	0	0
125.0	0	0	0	0	0
130.0	0	0	0	0	0
135.0	0	0	0	0	0
140.0	0	0	0	0	0
145.0	0	0	0	0	0
150.0	0	0	0	0	0
155.0	0	0	0	0	0
160.0	0	0	0	0	0
165.0	0	0	0	0	0
170.0	0	0	0	0	0
175.0	0	0	0	0	0
180.0	0	0	0	0	0



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5-DEGREE
ZONAL LUMEN SUMMARY

Table with 2 columns: Zonal Range and Lumen Value. Values range from 3.1 for 0-5 degrees down to 0.0 for 175-180 degrees.

10-DEGREE
ZONAL LUMEN SUMMARY

Table with 2 columns: Zonal Range and Lumen Value. Values range from 10.2 for 0-10 degrees up to 41.4 for 0-180 degrees.



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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

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			
0	119	119	119	119	119	116	116	116	116	111	111	111	111	111	111	106	106	106	102	102	102	100
1	114	111	111	108	106	111	110	91	106	104	105	103	101	101	100	98	97	96	95	95	94	94
2	108	104	100	96	96	106	102	98	95	95	99	96	93	96	93	91	93	91	89	89	88	88
3	103	97	93	89	89	101	96	92	88	88	93	90	87	91	88	85	89	86	84	84	82	82
4	99	92	87	83	83	97	91	86	82	82	88	84	81	87	83	80	85	82	79	79	78	78
5	95	87	81	77	77	93	86	81	77	77	84	80	76	83	79	76	81	78	75	75	74	74
6	91	82	77	73	73	89	82	77	73	73	80	76	72	79	75	72	78	74	71	71	70	70
7	87	79	73	69	69	86	78	73	69	69	77	72	69	76	71	68	74	71	68	68	67	67
8	84	75	70	66	66	82	74	69	66	66	73	69	65	72	68	65	72	68	65	65	64	64
9	80	72	67	63	63	79	71	66	63	63	70	66	63	70	65	62	69	65	62	62	61	61
10	78	69	64	60	60	77	69	64	60	60	68	63	60	67	63	60	66	63	60	60	59	59

ALL CANDELA, LUMENS, LUMINANCE, AND VCP VALUES IN THIS REPORT ARE BASED ON ABSOLUTE PHOTOMETRY. THE COEFFICIENT OF UTILIZATION VALUES ARE BASED ON THE TOTAL ABSOLUTE LUMEN OUTPUT OF THIS TEST SAMPLE.

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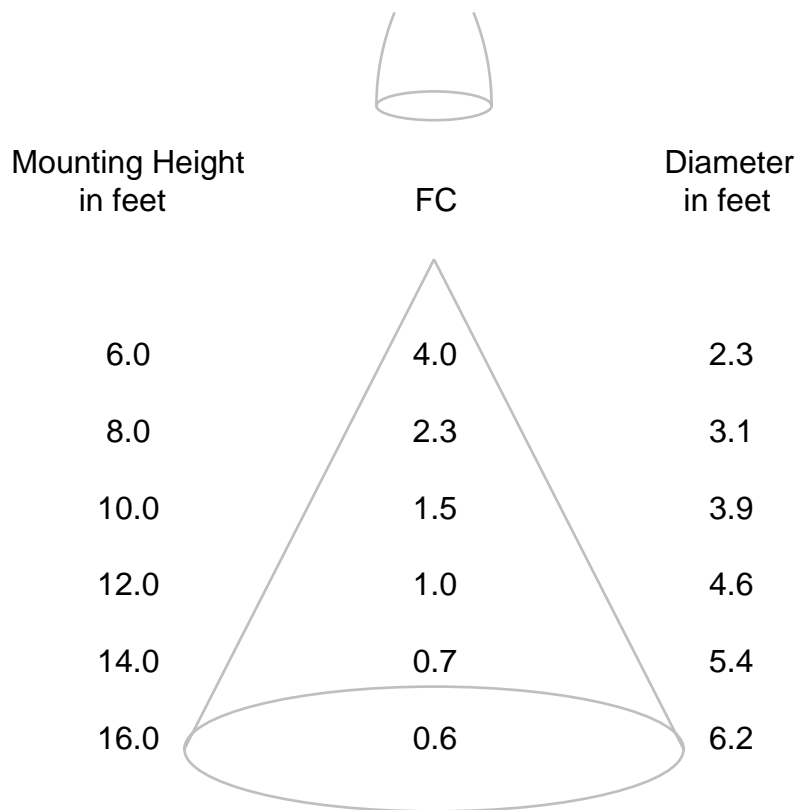
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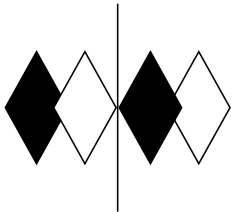
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CONE OF LIGHT DIAGRAM

(diameter shown is where fc value is half the fc at nadir)



Note: The candela values used to generate this diagram were obtained by averaging the photometric data into a single plane.



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