



FREEZER LUMINAIRE

FEATURES & SPECIFICATIONS

IP65/67

A small profile enclosed and gasketed wet location T5 HO fluorescent commercial/industrial luminaire designed for maximum performance with minimum energy use. With near tool-less design the MONSOON™ is ready to install right out of the box – even the lamps come pre-installed. Multi-volt ballasts take the guesswork out of what to stock. Rated at 93 L/W (54 watt lamp).

UL/CUL Listed. NSF Certified. IP65/67 wet location rated. MADE IN USA.

Housing

One-piece compression-molded unsaturated polyester/fiberglass housing with (8) three-piece polycarbonate latches. Seamless continuously bonded poured-in-place neoprene gasketing. Ballast/component tray attaches to fixture body with pinch-release clips. 1/2" conduit entry hole in each end of housing with weather tight plugs.

Electrical

Ballasts are CBM certified HPF electronic programmed start, 0.99 power factor, <10% THD, UL/CSA listed, Type 1 Class P. Lamp holders are positive-lock, captive rotor type.

Optics

High reflectance component tray reflector. Impact-modified DIRA acrylic linear ribbed lens with smooth exterior face for ease of cleaning. Nominal 10% uplight component.

Mounting

Fixture provided with a pair Quick Clip™ stainless steel snap-on mounting brackets that accept #12 S-hook & chain or 1/4" threaded rod as well as allow surface mounting without violating watertight integrity. Other mounting options available.

Shipping

Shipped assembled & fully tested in Protective Job Pack.

CATALOG NUMBER LOGIC:

FIXTURE MODEL	FIXTURE LENGTH	LAMP WATTS	LAMP COLOR TEMP.	BALLAST	OPTIONS
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BALLAST AND OPTIONS DESCRIPTIONS:

MODEL:

MON4 = MONSOON™ 4 LAMP PROFILE

LENGTH:

2 = 2 FEET NOMINAL (4 LAMP TOTAL)

4 = 4 FEET NOMINAL (4 LAMP TOTAL)

LAMP WATTAGE:

24 = 2' (NOM.) 24W HO (2000 LUMENS)

54 = 4' & 8' (NOM.) 54W HO (5000 LUMENS)

28 = 4' & 8' (NOM.) 28W HE (2900 LUMENS)

COLOR TEMPERATURE (LAMP):

30 = 3000 K 50 = 5000 K

35 = 3500 K 65 = 6500 K

41 = 4100 K XX = NO LAMPS

BALLAST:

MV = MULTI-VOLTAGE (120V to 277V, 50/60 Hz)

D3 = DEDICATED 347V

D4 = DEDICATED 480V

DM = DIMMING BALLAST (Specify manufacturer & model)

MOUNTING:

* SPECIFY LENGTH OF DROP IN FEET

ACC* = Aircraft cable suspension kit with bolt-on gripper (fits mtg. clips)

ACP* = Powered aircraft cable kit, one circuit, bolt-on gripper (fits mtg. clips)

ACPB* = Powered aircraft cable kit, two circuits, bolt-on gripper (fits mtg. clips)

SC = Safety Cable, adjustable Gripper #2, 10' length

OPTIONS:

*SPECIFY LENGTH OF DROP IN FEET

LP = CLEAR POLYCARBONATE LENS

LAE = ETCHED DIRA ACRYLIC LENS

CS* = CORDSET, 16/3, BLACK INSTALLED (INCLUDES WATERTIGHT FITTING)

CT* = CORDSET, 16/4, BLACK INSTALLED (INCLUDES WATERTIGHT FITTING)

CU* = CORDSET, 16/5, BLACK INSTALLED (INCLUDES WATERTIGHT FITTING)

OS = OCCUPANCY SENSOR, FIXTURE MOUNTED (SPECIFY DISTRIBUTION)

PC = PHOTOCELL, FIXTURE MOUNTED (SHIPS INSTALLED)

GLR = GLR IN-LINE FUSING - INSTALLED (SPECIFY VOLTAGE AND AMPERATE)

HS2 = STAINLESS STEEL LATCH SET, 2' MODEL (SET OF 4 EACH)

HS4 = STAINLESS STEEL LATCH SET, 4' MODEL (SET OF 8 EACH)

EM = EMERGENCY BATTERY BALLAST

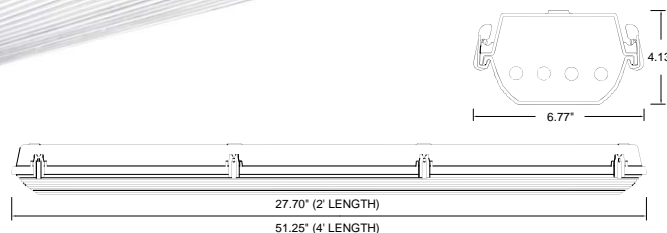
EMT = EMERGENCY BATTERY BALLAST, SELF-TESTING

Project	
Fixture Type	
Catalog #	
Distrib/Cont	
Date:	Prepared By:

MONSOON™ Series

MON4™

PATENT PENDING



NOTE: For use in ambient temperatures below 32°F only.

Dimensions

2' FIXTURE: 6.77"W x 4.13"H x 27.7"L

4' FIXTURE: 6.77"W x 4.13"H x 51.25"L

Weight

6 lbs. 4 oz.

10 lbs. 14 oz.

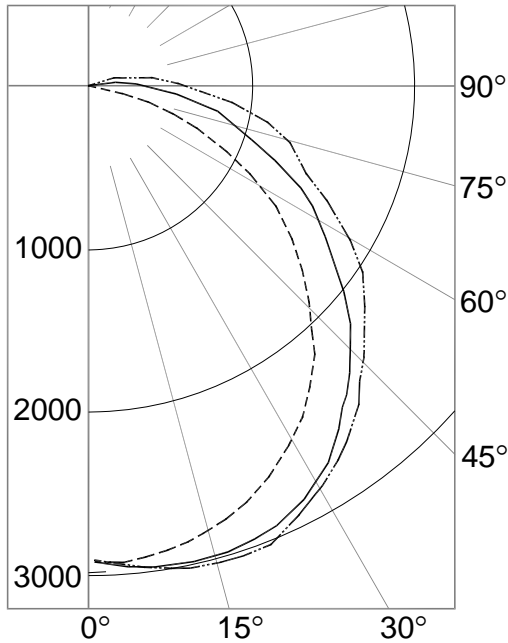


MONSOON™ Series
MON4™

PHOTOMETRIC TEST REPORT:

REPORT NUMBER: ITL52091
CATALOG NO.: MON4-4-54-35-MV-XX
TOTAL INPUT WATTS: 195.8
FIXTURE EFFICIENCY: AT 5000 LUMENS – 52.0%
AT 4450 LUMENS – 55.9%

DISTRIBUTION CURVE



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

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	2893	2893	2893	2893	2893
5	2885	2915	2939	2926	2932
15	2776	2872	2950	2982	2999
25	2577	2732	2857	2907	2909
35	2283	2476	2585	2659	2674
45	1866	2095	2223	2308	2333
55	1407	1622	1772	1958	2013
65	875	1080	1357	1499	1541
75	355	608	899	1142	1213
85	34	280	530	727	758
90	18	147	368	544	605
95	20	75	246	371	436
105	4	9	98	173	195
115	0	0	31	73	89
125	0	0	2	21	33
135	0	0	0	3	7
145	0	0	0	0	0
155	0	0	0	0	0

LUMINANCE DATA (CD/SQ. M)

	0-DEG	45-DEG	90-DEG
45	11718	11904	11961
55	10741	10882	11671
65	8860	10127	10652
75	5588	8893	10787
85	1290	8141	10218

ZONAL LUMEN SUMMARY (@ 5000 LUMENS PER LAMP)

ZONE	LUM.	%LAMP	%FIXT
0 - 30	2403	12.0	23.1
0 - 40	4000	20.0	38.5
0 - 60	7270	36.4	69.9
0 - 90	9990	49.9	96.0
90 - 120	401	2.0	3.9
90 - 130	411	2.1	4.0
90 - 150	413	2.1	4.0
90 - 180	413	2.1	4.0
0 - 180	10403	52.0	100.0

COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD

RF	20	20	20	20	20	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	61 61 61 61	60 60 60 60	57 57 57	54 54 54	51 51 51	50
1	55 52 50 57	54 51 49 46	48 46 45	46 44 43	44 42 41	40
2	50 45 41 38	48 44 40 37	42 39 36	40 37 35	38 36 34	33
3	45 39 35 31	44 38 34 31	36 33 30	35 32 29	33 31 28	27
4	41 35 30 26	40 34 29 26	32 28 25	31 27 25	29 27 24	23
5	38 31 26 22	37 30 26 22	29 25 22	28 24 21	26 23 21	20
6	35 28 23 19	34 27 23 19	26 22 19	25 21 19	24 21 18	17
7	32 25 20 17	31 25 20 17	24 20 17	23 19 16	22 19 16	15
8	30 23 18 15	29 22 18 15	21 18 15	21 17 15	20 17 14	13
9	28 21 17 14	27 21 16 13	20 16 13	19 16 13	18 15 13	12
10	26 19 15 12	26 19 15 12	18 15 12	18 14 12	17 14 12	11



WARRANTY: The Light Edge, Inc. warrants the MONSOON™ to be free from defects in material and workmanship for 2 years from date of purchase, exclusive of lamps, ballasts, and optional electrical devices. Refer to website for complete warranty information.