



**WET LOCATION 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:**

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

**MODEL:**  
MON1 = MONSOON™ 1 LAMP PROFILE

**LENGTH:**  
4 = 4 FEET NOMINAL (1 LAMP TOTAL)

**LAMP WATTAGE:**  
54 = 4' & 8' (NOM.) 54W HO (5000 LUMENS)  
28 = 4' & 8' (NOM.) 28W HE (2900 LUMENS)

**COLOR TEMPERATURE (LAMP):**  
30 = 3000 K    XX = NO LAMPS  
35 = 3500 K  
41 = 4100 K  
50 = 5000 K  
65 = 6500 K

**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 Gripple #2, 10' length

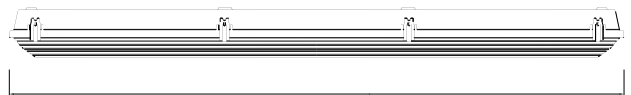
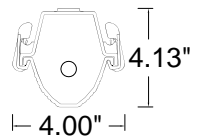
**OPTIONS:**  
**\*SPECIFY LENGTH OF DROP IN FEET**  
LP = CLEAR POLYCARBONATE LENS  
LAE = ETCHED DIRA ACRILIC LENS  
CS\* = CORDSET, 16/3, BLACK INSTALLED (INCLUDES WATERTIGHT FITTING)  
CT\* = CORDSET, 16/4, BLACK INSTALLED (INCLUDES WATERTIGHT FITTING)  
OS = OCCUPANCY SENSOR, FIXTURE MOUNTED (SPECIFY DISTRIBUTION)  
PC = PHOTOCCELL, 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

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

**MONSOON™ Series**

**MON1™**

PATENT PENDING



51.25" (4' LENGTH)

**Dimensions**

4' FIXTURE: 4.00"W x 4.13"H x 51.25"L

**Weight**

5 lbs. 8 oz.

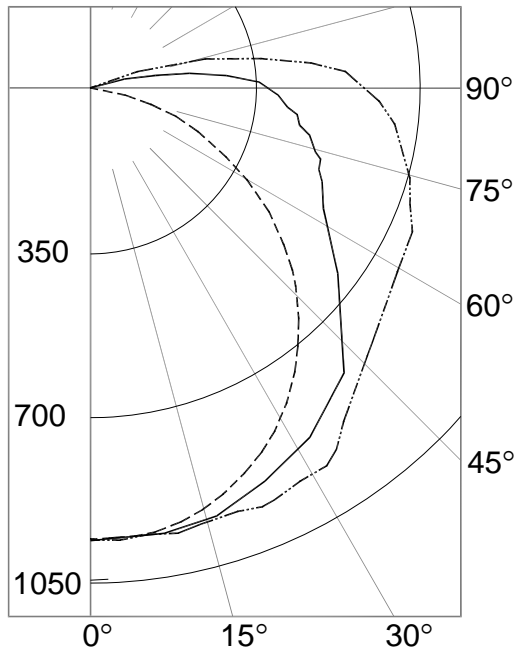


**MONSOON™ Series**  
**MON1™**

**PHOTOMETRIC TEST REPORT:**

REPORT NUMBER: ITL51317  
CATALOG NO.: MON1-4-54-35-MV-XX  
TOTAL INPUT WATTS: 57.8  
FIXTURE EFFICIENCY: AT 5000 LUMENS – 85.0%  
AT 4450 LUMENS – 96.9%

**DISTRIBUTION CURVE**



LEGEND 0-deg: - - - - -  
45-deg: \_\_\_\_\_  
90-deg: - · - · - · -

**CANDELA DISTRIBUTION**

	0.0	22.5	45.0	67.5	90.0
0	956	956	956	956	956
5	957	956	960	953	952
15	922	928	946	950	953
25	853	874	905	940	951
35	749	783	850	909	914
45	613	671	758	805	824
55	460	540	629	731	769
65	281	380	543	693	750
75	119	254	488	651	698
85	16	177	414	581	634
90	4	142	367	523	575
95	5	82	291	443	506
105	2	11	57	149	208
115	0	0	12	25	31
125	0	0	4	9	10
135	0	0	1	3	5
145	0	0	0	2	1
155	0	0	0	0	0

**LUMINANCE DATA (CD/SQ. M)**

	0-DEG	45-DEG	90-DEG
45	6963	8972	9258
55	6421	8438	9180
65	5265	8240	9479
75	3553	8691	9959
85	1258	9164	10506

**ZONAL LUMEN SUMMARY (@ 5000 LUMENS PER LAMP)**

ZONE	LUM.	%LAMP	%FIXT
0 - 30	775	15.5	18.2
0 - 40	1302	26.0	30.6
0 - 60	2438	48.8	57.4
0 - 90	3854	77.1	90.7
90 - 120	391	7.8	9.2
90 - 130	395	7.9	9.3
90 - 150	396	7.9	9.3
90 - 180	396	7.9	9.3
0 - 180	4251	85.0	100

**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	99 99 99 99	96 96 96 96	90 90 90	85 85 85	79 79 79	77
1	87 82 77 72	84 79 74 70	74 70 67	69 66 63	64 62 60	57
2	78 69 62 56	75 67 61 55	63 57 53	59 54 50	55 51 48	45
3	71 60 52 46	68 58 51 45	54 48 43	51 46 41	48 43 39	37
4	64 53 44 38	61 51 43 37	48 41 36	45 39 34	42 37 33	31
5	59 47 38 32	56 45 37 32	43 36 31	40 34 29	38 32 28	26
6	54 42 34 28	52 41 33 27	38 31 26	36 30 26	34 32 28	23
7	50 38 30 24	48 37 29 24	35 28 23	33 27 22	31 26 22	20
8	47 34 27 21	45 33 26 21	32 25 21	30 24 20	28 23 19	18
9	43 31 24 19	42 31 24 19	29 23 18	28 22 18	26 21 17	16
10	41 29 22 17	39 28 22 17	27 21 17	25 20 16	24 19 16	14



**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.