



T5HO RECESSED GRID LUMINAIRE FEATURES & SPECIFICATIONS

A small profile T5 HO fluorescent commercial recessed luminaire designed to provide for soft, efficient illumination with minimum energy use in offices, public spaces, and other grid ceiling applications. With near tool-less design the EAGLE™ 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), this product offers outstanding savings on installation and maintenance labor costs.

UL/CUL Damp Location Listed. MADE IN USA.

Housing

Three-piece extruded aluminum housing with integral ballast heat-sink and integral tile flanges. Ballast/wiring compartment easily accessed from below. 0.04" aluminum end plates with slack-wire anchor holes. Two 1/2" wiring holes in each endplate with closure plug. Clear anodized standard finish.

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

95% reflective, fritted, hard-anodized specular aluminum roll-formed engineered T5 reflector. Soft Optic™ Linear prisms housing with clear impact-modified, linear-prismed snap-on acrylic lens. Consult factory for other lensing options.

Mounting

Fixture sets in t-bar grid ceiling and supports ceiling tiles with integral tile flanges. Slack wire anchor holes provided. Fixture endplates provided with a pair of Talon™ t-bar clips for securing luminaire to grid. Consult factory for other mounting options.

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:
EAG1 = EAGLE™ 1 LAMP PROFILE

LENGTH:
2 = 2 FEET NOMINAL (1 LAMP TOTAL)
3 = 3 FEET NOMINAL (1 LAMP TOTAL)
4 = 4 FEET NOMINAL (1 LAMP TOTAL)

BALLAST:
MV = MULTI-VOLTAGE (120V to 277V, 50/60 Hz)
D3 = DEDICATED 347V
DM = DIMMING BALLAST (Specify manufacturer & model)

OPTIONS:
*SPECIFY LENGTH OF DROP IN FEET
CS* = CORDSET, 16/3, BLACK INSTALLED
CT* = CORDSET, 16/4, BLACK INSTALLED
EM = EMERGENCY BATTERY BALLAST
EMT = EMERGENCY BATTERY BALLAST, SELF-TESTING

LAMP WATTAGE:
24 = 2' (NOM.) 24W HO (2000 LUMENS)
39 = 3' (NOM.) 39W HO (3500 LUMENS)
54 = 4' (NOM.) 54W HO (5000 LUMENS)
28 = 4' (NOM.) 28W HE (2900 LUMENS)

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)

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

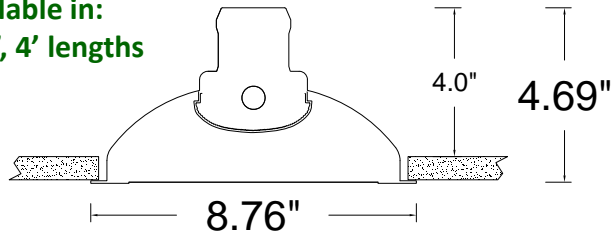
Project	
Fixture Type	
Catalog #	
Distrib/Cont	
Date:	Prepared By:

EAGLE™ Series EAG1™

PATENT PENDING



Available in:
2', 3', 4' lengths



Dimensions

8.76"W x 4.69"H x 47.75"L

Weight : 9 lbs. 4 oz.



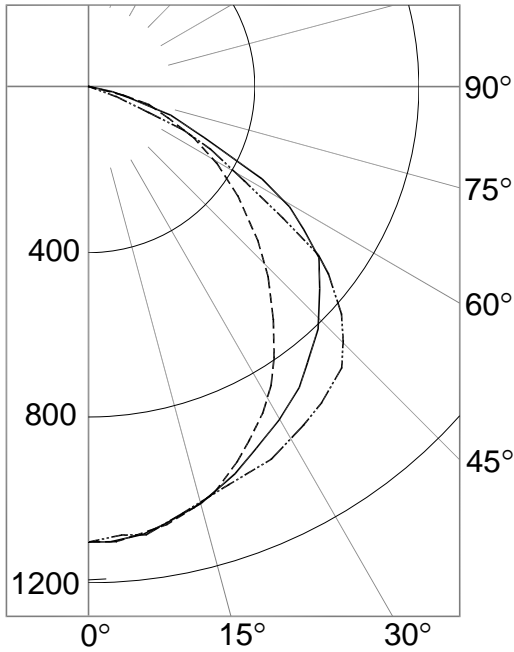
EAGLE™ Series

EAG1™

PHOTOMETRIC TEST REPORT:

REPORT NUMBER: ITL57164
 CATALOG NO.: EAG1-4-54-35-MV-XX
 TOTAL INPUT WATTS: 56.1
 FIXTURE EFFICIENCY: AT 5000 LUMENS – 60.1%
 AT 4450 LUMENS – 68.2%

DISTRIBUTION CURVE



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

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	1100	1100	1100	1100	1100
5	1097	1099	1094	1087	1085
15	1041	1045	1044	1044	1044
25	934	948	964	991	1003
35	783	819	889	940	956
45	604	684	790	868	873
55	434	536	665	679	633
65	273	371	361	323	283
75	117	147	117	79	80
85	16	20	30	39	39
90	0	0	0	0	0

LUMINANCE DATA (CD/SQ. M)

	0-DEG	45-DEG	90-DEG
45	4173	5458	6032
55	3697	5664	5392
65	3156	4173	3272
75	2209	2209	1510
85	897	1682	2186

ZONAL LUMEN SUMMARY (@ 5000 LUMENS PER LAMP)

ZONE	LUM.	%LAMP	%FIXT
0 - 30	846	16.9	28.2
0 - 40	1396	27.9	46.5
0 - 60	2517	50.3	83.8
0 - 90	3004	60.1	100.0
90 - 180	0.0	0.0	0.0
0 - 180	3004	60.1	100.0



ARRA
Funding Compliant

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	72 72 72 72	70 70 70 70	67 67 67	64 64 64	62 62 62	62
1	66 63 61 59	65 62 60 58	60 58 56	57 56 54	52 52 52	52
2	60 56 52 49	59 55 51 48	52 49 47	51 48 46	44 44 44	44
3	55 49 44 41	54 48 44 40	46 43 40	45 42 39	37 37 37	37
4	51 44 38 34	49 43 38 34	41 37 34	40 36 33	32 32 32	32
5	46 39 34 30	45 38 33 30	37 33 29	36 32 29	27 27 27	27
6	43 35 30 26	42 34 29 26	33 29 26	32 28 25	24 24 24	24
7	40 32 26 23	39 31 26 23	30 26 23	29 25 22	21 21 21	21
8	37 29 24 20	36 28 24 20	28 23 20	27 23 20	19 19 19	19
9	35 26 22 18	34 26 21 18	25 21 18	25 21 18	17 17 17	17
10	32 24 20 17	32 24 20 16	24 19 16	23 19 16	15 15 15	15

WARRANTY: The Light Edge, Inc. warrants the EAGLE™ to be free from defects in material and workmanship for 15 years from date of purchase, exclusive of lamps, ballasts, and optional electrical devices. Refer to website for complete warranty information.