



FEATURES & SPECIFICATIONS

A small profile T5 HO fluorescent commercial/industrial luminaire robustly designed for maximum performance with minimum energy use in highbay application. With near tool-less design the RAPTOR™ 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. Reflectors easily removed for access to ballast/wiring compartment. 16 gauge aluminum endplates with 1/2" wiring hole. Clear anodized standard finish – Anodized colors available.

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 specular hard-anodized aluminum roll-formed engineered T5 reflector. Optional 0.125" clear acrylic or polycarbonate lens in captive, hinged/latched anodized aluminum door frame. Optional dedicated uplight lamp with identical reflector attributes and snap-on linear-prismed acrylic lens.

Mounting

Fixture provided with endplate mounting tabs that will accept chain hooks. Other mounting options available.

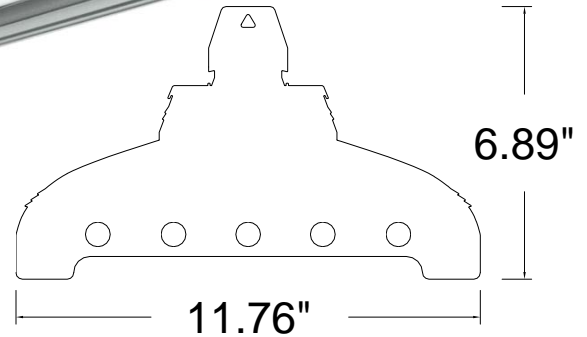
Shipping

Shipped assembled & fully tested in Protective Job Pack.

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

RAPTOR™ Series RAP5™

PATENT PENDING



Dimensions

11.76"W x 6.89"H x 47.75"L

Weight : 12 lbs. 12 oz.

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:
RAP5 = RAPTOR™ 5 LAMP PROFILE

LENGTH:
4 = 4 FEET NOMINAL (5 LAMP TOTAL)
8 = 8 FEET NOMINAL (10 LAMP TOTAL – Field assembly required)

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
ASP* = Powered aircraft cable kit, single circuit, slotted gripper
ASPB* = Powered aircraft cable kit, two circuits, slotted gripper
ASC* = Aircraft cable kit suspension kit, slotted gripper
ACYE = Upside-down "Y" cable set with eyelet ends
HD = Heavy Duty RAPTOR™ mounting brackets
PFS1/3 = Power feed stem kit with 3/4"NPT (PFS3) or 1/2"NPT (PFS1) coupling
PFH = Power feed hook kit
WBADJ = RAPTOR™ Adjustable wall bracket mount

OPTIONS:
* SPECIFY LENGTH OF DROP IN FEET
LP = POLYCARBONATE LENS IN ALUMINUM DOOR FRAME
LA = ACRYLIC LENS IN ALUMINUM DOOR FRAME
TGL = TEMPERED GLASS LENS IN ALUMINUM DOOR FRAME
WGK = WIREGUARD KIT IN ALUMINUM DOOR FRAME
WGP = WIREGUARD & POLYCARBONATE LENS
WGA = WIREGUARD & ACRYLIC LENS
CS* = CORDSET, 16/3, BLACK INSTALLED
CT* = CORDSET, 16/4, BLACK INSTALLED
FW* = FLEX WHIP, 3/8" 18/3 FILL, 1/2" FITTING
UP = DEDICATED UPLIGHT LAMP IN LENSED COMPARTMENT
OS = OCCUPANCY SENSOR, FIXTURE MOUNTED (SPECIFY DISTRIBUTION)
PC = PHOTOCELL, FIXTURE MOUNTED (SHIPS INSTALLED)
SW = SPLIT-WIRED LAMPING FOR MULTI-LEVEL CONTROL (SPECIFY CONFIGURATION)
GLR = GLR IN-LINE FUSING - INSTALLED (SPECIFY VOLTAGE AND AMPERATE)
EM = EMERGENCY BATTERY BALLAST



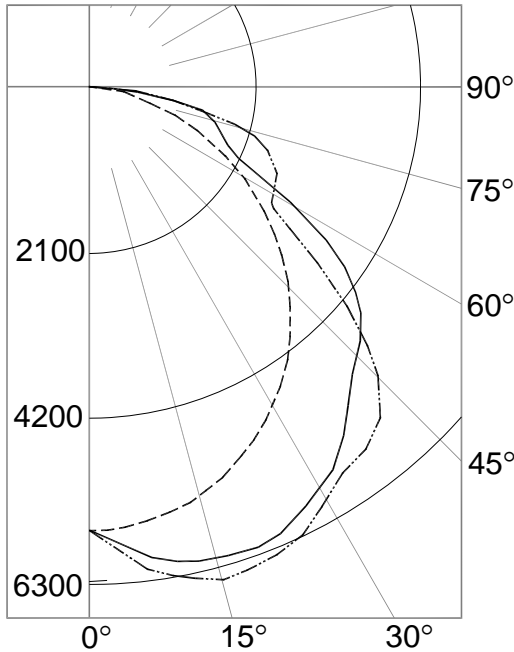
RAPTOR™ Series

RAP5™

PHOTOMETRIC TEST REPORT:

REPORT NUMBER: ITL53497
CATALOG NO.: RAP5-4-54-35-MV-XX
TOTAL INPUT WATTS: 281.0
FIXTURE EFFICIENCY: AT 5000 LUMENS – 77.6%
AT 4450 LUMENS – 83.4%

DISTRIBUTION CURVE



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

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	5645	5645	5645	5645	5645
5	5613	5723	5893	5974	6024
15	5386	5861	6202	6404	6478
25	4946	5698	6099	6265	6322
35	4321	5261	5577	5712	5847
45	3562	4477	4832	5215	5187
55	2675	3516	3938	3342	3065
65	1746	2551	2026	2459	2618
75	802	1050	1618	1912	1916
85	85	358	362	387	355
90	0	8	4	4	0

LUMINANCE DATA (CD/SQ. M)

	0-DEG	45-DEG	90-DEG
45	14269	19356	20778
55	13212	19451	15139
65	11701	13578	17545
75	8776	17705	20965
85	2761	11759	11531

ZONAL LUMEN SUMMARY (@ 5000 LUMENS PER LAMP)

ZONE	LUM.	%LAMP	%FIXT
0 - 30	5020	20.1	25.9
0 - 40	8411	33.6	43.4
0 - 60	15110	60.4	77.9
0 - 90	19395	77.6	100.0
90 - 180	0.0	0.0	0.0
0 - 180	19395	77.6	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	92 92 92 92	90 90 90 90	86 86 86	83 83 83	79 79 79	78
1	84 80 77 74	82 79 75 73	75 73 70	72 70 68	69 68 66	64
2	76 70 64 60	74 68 63 59	65 61 58	63 59 56	61 58 55	53
3	69 61 55 49	67 60 54 49	57 52 48	55 51 47	53 50 46	45
4	63 54 47 42	62 53 46 41	51 45 41	49 44 40	47 43 40	38
5	58 48 41 36	57 47 41 36	46 40 35	44 39 35	43 38 34	33
6	54 43 36 31	52 42 36 31	41 35 31	40 34 30	39 34 30	28
7	50 39 32 27	48 39 32 27	37 31 27	36 31 27	35 30 27	25
8	46 36 29 24	45 35 29 24	34 28 24	33 25 22	32 27 24	22
9	43 33 26 22	42 32 26 22	31 26 22	30 25 22	30 25 21	20
10	40 30 24 20	39 30 24 20	29 23 20	28 23 19	27 23 19	18

WARRANTY: The Light Edge, Inc. warrants the RAPTOR™ 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.