

- MOUNTING – Mounting options include stem, chain, or surface mounted, pre-wired sockets cut installation time
- ELECTRONIC BALLASTS – Electronic ballasts cut installation time
- LAMP BRACKETS – Mounting lamp brackets cut installation time
- LABELS – UL & CE labels are included after fabrication to facilitate installation.
- FINISH – Powder coated finish to inhibit rusting
- ENERGY SENSITIVE – Energy sensor placement – nothing saves
- MOUNTING – Surface or suspended

88

Williams introduces the 88 series, a fresh approach to illuminating commercial and industrial spaces. Precision engineered optics and MIRO4™ specular aluminum provide uniform vertical and horizontal illumination, making the 88 perfect for lighting narrow aisles in warehouse and retail applications.

Choose either 4' or 8' units and 1 or 2 T5HO lamp cross-sections. 88 can be surface or pendant mounted. Continuous row installations are easy with the optional row aligners and quick-connect wiring harness.

- BALLAST TYPE**
- EB1 = 1 lamp electronic ballast
 - EB2 = 2 lamp electronic ballast
 - EB2/2 = (2) 2 lamp electronic ballasts
 - EB4 = 4 lamp electronic ballast

- VOLTAGE**
- 120 = 120V
 - 277 = 277V
 - UNV = 120 - 277V
 - 347 = 347V

4' = 4 ft.
8' = 8 ft.

LAMP WATTAGE/TYPE
54T5H = 4' 54 watt T5HO



A Visible Difference

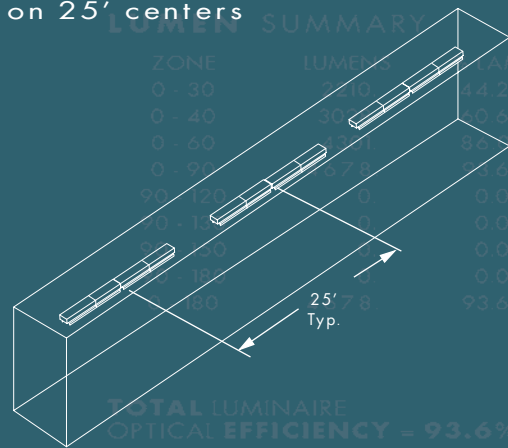
88 offers all the advantages of T5 lamp and ballast technology: consistent white light with high CRI, instant restrike, long lamp life, high efficacy, and excellent lumen maintenance.

88 delivers additional energy savings with the optional occupancy sensor. Because sensor control can reduce burn hours significantly, this feature gives the 88 the edge over HID's by extending relamping periods and reducing maintenance costs.

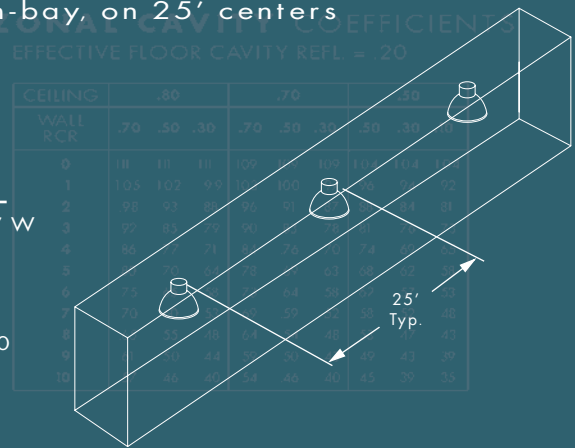
88's construction shows the attention to detail that is a Williams hallmark. Heavy gauge steel is carefully die-formed and powder coated after fabrication for installation ease and long service life.

Typical Aisle Application

(2) 88-8-254T5H, end-to-end, on 25' centers



400-watt metal halide high-bay, on 25' centers



Specifications:

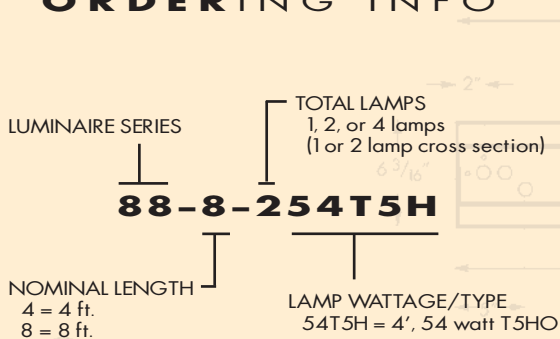
Aisle Dimension: 100' L x 6' W
 Ceiling Height: 25'
 Mounting Height: 22'
 Rack Height: 20'
 Light Loss Factor: 0.8
 Reflectance: .70/.40/.20

EFFECTIVE FLOOR CAVITY COEFFICIENTS
 EFFECTIVE FLOOR CAVITY REFL. = .20

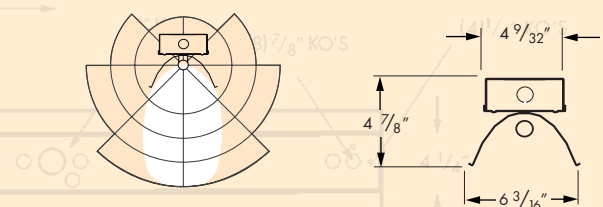
CEILING	.80		.70		.60		.50	
WALL	.70	.50	.30	.70	.50	.30	.50	.30
RCCR								
0	111	111	111	109	109	109	104	104
1	105	102	95	100	98	92	84	82
2	98	92	86	90	88	81	74	71
3	92	83	79	84	81	74	67	64
4	86	76	73	78	74	67	61	58
5	80	70	67	72	68	61	55	52
6	75	65	62	67	63	56	50	47
7	70	60	57	62	58	51	45	42
8	65	55	52	57	53	46	40	37
9	60	50	47	52	48	41	35	32
10	55	45	42	47	43	36	30	27

Lamp Source	Product Description	Average Maintained Horizontal Footcandles	Average Maintained Vertical Footcandles	Horizontal Max/Min	Vertical Max/Min	Energy Usage per Aisle
Fluorescent	88-8-254T5H	34.6	7.1	1.5	3.0	702 watts
Metal Halide	400 watt High-bay	22.8	24.0	1.4	27.1	1395 watts

ORDERING INFO



CROSS SECTION



Total Luminaire Optical Efficiency = 93.6%

Spacing to Mounting height = 0.40