



FEATURES & SPECIFICATIONS

INTENDED USE

For applications that require medium to high light levels such as manufacturing, warehousing, storage, retail or task lighting. Ideal for mounting heights up to 25'.

ATTRIBUTES

Heavy-duty design for demanding industrial environments. Pressure-lock lampholders enclosed in snap-in turret housing. Available in 4' or 8' lengths. 6" lamp spacing of 2-lamp models, 3" lamp spacing on 3-lamp models. Solid top, 10% or 20% uplight reflectors available, painted after fabrication.

CONSTRUCTION

Die-embossed reflector constructed of heavy gauge cold-rolled steel. White enamel reflector finish standard, porcelain finish optional.

FINISH

Five-stage iron-phosphate pretreatment ensures superior paint adhesion and rust resistance. Finish is high-gloss baked white enamel.

ELECTRICAL SYSTEM

Thermally protected, resetting, Class P, HPF, UL listed, CSA Certified ballast is standard. Energy saving and electronic ballasts are sound rated A.

Fixture is suitable for damp locations. AWM, TFN or THHN wire used throughout, rated for required temperatures.

INSTALLATION

For surface or suspended mounting, unit or row installation.

LISTING

120V, 277V and MVOLT are UL Listed and CSA Certified (standard). 347V is CSA Certified (see Options). NOM Certified (see Options).

WARRANTY

Guaranteed for one year against mechanical defects in manufacture.

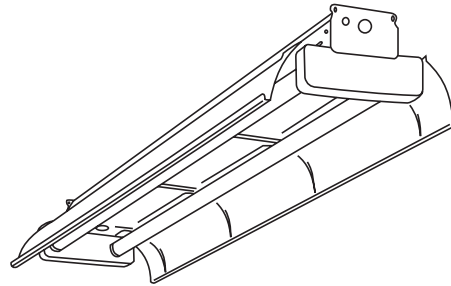
Catalog Number	
Notes	Type

Heavy-Duty Turret Industrial

AF

Rapid Start

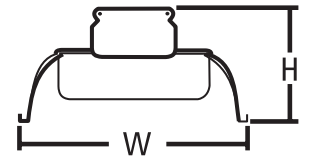
4' or 8' lengths
1, 2, 3 or 4 lamps



Specifications

Length:	49-13/16" (1265) or 99-5/8" (2530)
Width:	13-3/8" (340)
Height:	6-5/8" (168)

All dimensions are inches (millimeters) .
Specifications subject to change without notice.



ORDERING INFORMATION

Choose the boldface catalog nomenclature that best suits your needs and write it on the appropriate line. Order accessories as separate catalog number.

Example: **AF10 3 32 277 1/3 GEB**

Series	Lamps	Lamp Type	Voltage	Options
AFST Solid reflector	1, 2, 3, 4	32 32W T8 (48")	120	Shipped installed in fixture 1/3 One 3-lamp ballast (32 watt electronic ballast only) 1/4 One 4-lamp ballast (32 watt electronic ballast only) ES T12 Energy-savings ballast (40W lamps only) GEB T8 Electronic ballast, ≤20% THD GEB10IS T8 Electronic ballast, ≤10% THD, Instant Start ¹ GEB10RS T8 Electronic ballasts, 10% THD, Rapid Start EL Emergency battery pack (nominal 300 lumens), see Life Safety Section GLR Internal fast-blow fusing (add X for external) GMF Internal slow-blow fusing (add X for external) PLF_ Plug-in wiring, Specify 1, 2 or 3 branch circuits & hot wires (A = black, B = red, C = blue, AB or AC) TILW Tandem in-line wiring PO White porcelain reflector finish CSA CSA Certified (347V only) NOM NOM Certified
AF10 10% uplight apertured reflector	<i>Not included.</i>	40 40W T12 (48")	277	
AF 20% uplight apertured reflector			347	
			MVOLT²	

For tandem double-length unit, add prefix **T**.

Example: **TAF10**

Accessories

Order as separate catalog number.

ACEP	Full-depth endplates (1 pair)
HRUN	Hooker® T-bar hanger for 5" channel (flush to ceiling)
HRUN1	Hooker® T-bar hanger for 5" channel (1-1/2" from ceiling)
SQ_	Swivel stem hanger (specify length in 2" increments)
1B	Ceiling spacer (1-1/2" to 2-1/2" from ceiling)
HC36	Chain hangers (1 pair, 36" long)
THUN	Tong hanger for 5" channel
WGAFPV	Wireguard, 4' white (order 2 for 8' fixtures) ³
DIAF ME	4' 30° x 30° metal eggcrate louver ³
DIAF A12	4' framed acrylic prismatic lens ³

NOTES

- 1 Available only with 32 lamp type.
- 2 Electronic ballast 120 through 277 volt only. Available with 32 watt T8 only. MVOLT must specify GEB10IS.
- 3 Order 2 for 8' fixtures.

AF Rapid Start

MOUNTING DATA

For unit or row installation. Surface or stem mounting.¹

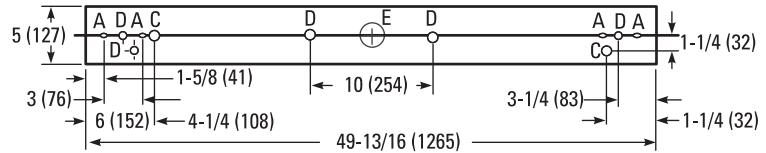
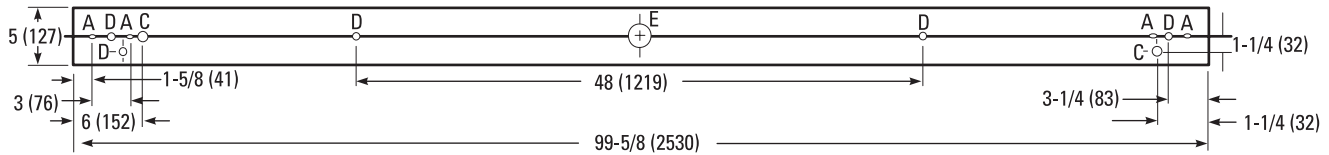
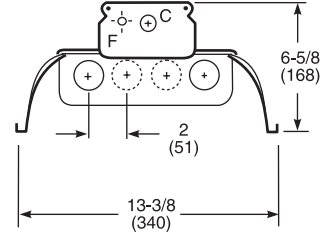
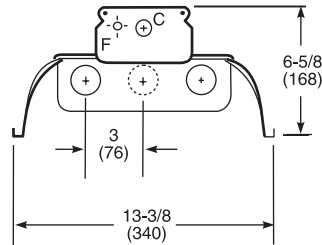
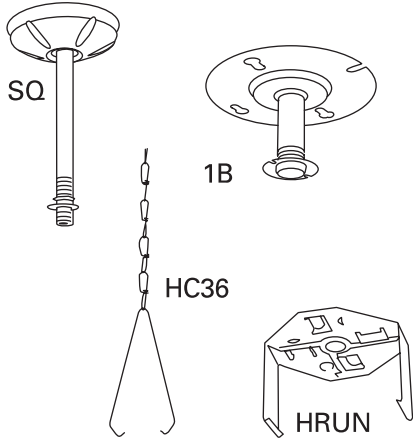
UNIT INSTALLATION — Minimum of two hangers required.

ROW INSTALLATION — One hanger per fixture plus one per row required.

DIMENSIONS

All dimensions are inches (millimeters) . Specifications subject to change without notice.

- A = 1/4 x 1/2 (64 x 13) Oval Hole
- C = 7/8 (22) Dia.K.O.
- D = 11/16 (17) Dia. K.O.
- E = 2 (51) Dia. K.O.
- F = 7/16 (111) Dia. K.O.



Energy (Calculated in accordance with NEMA standard LE-5)

LER.FW	ANNUAL ENERGY COST*	LAMP DESCRIPTION	LAMP LUMENS	BALLAST FACTOR	WATTS
74	\$3.24	(2) F32T8	2800	.88	60

*Calculated in accordance with NEMA Standards LE-5.

PHOTOMETRICS

Calculated using the zonal cavity method in accordance with IESNA LM41 procedure. Floor reflectances are 20%. Lamp configurations shown are typical. All data based on 25°C. Full photometric data on these and other configurations available upon request.

AFST 2 40

Report ITL 18286

S/MH 1.4

Coefficient of Utilization

Ceiling Wall	80%			70%			50%		
	70%	50%	30%	70%	50%	30%	50%	30%	10%
1	93	89	86	91	88	84	84	81	79
2	85	79	73	83	77	72	74	70	66
3	78	69	63	76	68	62	66	60	56
4	72	62	54	70	60	54	58	52	48
5	65	54	47	63	53	46	51	45	40
10	43	32	25	42	31	24	30	24	20

AF 2 32

Report ITL 5711

S/MH 1.4

Coefficient of Utilization

Ceiling Wall	80%			70%			50%		
	70%	50%	30%	70%	50%	30%	50%	30%	10%
1	94	90	86	90	86	83	79	76	74
2	86	79	73	82	75	70	69	65	61
3	78	69	62	74	66	60	61	56	52
4	72	61	54	68	59	52	54	48	44
5	65	54	46	62	52	44	48	41	37
10	43	31	24	41	30	23	28	22	18

AF 2 40

Report ITL 18288

S/MH 1.5

Coefficient of Utilization

Ceiling Wall	80%			70%			50%		
	70%	50%	30%	70%	50%	30%	50%	30%	10%
1	93	89	85	88	85	81	77	75	72
2	84	78	72	80	74	69	68	64	60
3	77	68	62	73	65	59	60	55	51
4	70	60	53	67	58	51	53	48	43
5	64	53	46	61	51	44	47	41	37
10	43	31	24	40	30	23	27	22	18

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1415	22.1	25.9
0-40	2377	37.1	43.5
0-60	4251	66.4	77.8
0-90	5424	84.7	99.3
90-180	39	0.6	0.7
0-180	5463	85.4	100.0

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	998	17.2	19.0
0-40	1677	28.9	31.9
0-60	3126	53.9	59.6
0-90	4074	70.2	77.6
90-180	1175	20.3	22.4
0-180	5249	90.5	100.0

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1099	17.2	19.3
0-40	1862	29.1	32.7
0-60	3414	53.4	60.0
0-90	4397	68.7	77.3
90-180	1291	20.2	22.7
0-180	5689	88.9	100.0



An AcuityBrands Company

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