

\$16,000

POINT SOURCE GROUP	Project 11-10708-3 Cattarugus Little Valley CS	Catalog Number FGB184 4 32 T1X20 ACL MVOLT 1/4 GEB10IS LP741 WG	Type O
	Submitted By POINT SOURCE GROUP	Notes Pendants FBO m-1 added 1/4	

PROVIDE (2) 2 LAMP BALLASTS
FOR WL FIXTURES

\$333. Ea.



FEATURES & SPECIFICATIONS

INTENDED USE — The SPEC-BEAM™ is an ideal one-for-one replacement of common metal halide high bay systems. Applications include warehousing, manufacturing, commercial facilities and retail. The SPEC-BEAM™ performs best at mounting heights from 15' to 40'. Certain airborne contaminants can diminish integrity of acrylic. [Click here for Acrylic Environmental Compatibility Table for suitable uses.](#)

ATTRIBUTES — Designed for optimum performance using highly efficient T8 lamps. Best in applications requiring a rugged full body assembly with excellent fixture performance. Multiple optical systems allow the right distribution for the right application. Three mounting choices are available. Available in MVOLT, 347 or 480 volt.

CONSTRUCTION — Full side body provides strength and rigidity during shipment and installation. Channel, end caps and socket brackets are manufactured from cold grade steel, fixture assembly is riveted and screwed together for added strength. Access to ballast and wiring compartment is accessed from below and is completely tool-less.

FINISH — High-gloss white baked enamel, pretreated with five-stage iron phosphate system. Optional polyester powder coat available.

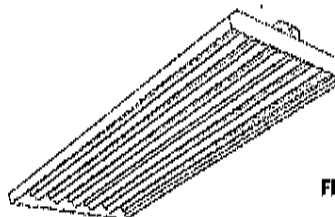
OPTICAL SYSTEM — All distributions included, precision formed, high performance, 95% reflective, segmented optics utilizing Alnan MRO® 4 specular aluminum warranted for 25 years. Reflector optics are available in a wide variety of distributions and spacing criteria.

Reflectors are available with uplight (recommended) or solid top that includes heat dissipation slots and minimal uplight.

ELECTRICAL SYSTEM — Thermally protected, resetting Class B HPI-A sound rated electronic ballast. AWM, TEM or THHN wire used throughout rated for required temperatures.

Lamps are secured with rotary locking lamp sockets for ease of relamping and to reduce lamps from disconnecting due to vibration or incidental contact.

INSTALLATION — The SPEC-BEAM™ is suitable for suspended by chain, cable or monopoint mounted with appropriate accessories.



SPEC-BEAM™

FGB

FLUORESCENT HIGH BAY
T8 Lamps

Specifications

# Lamps:	2 or 3	4	6
Length:	48 (1220)	48 (1220)	48 (1220)
Width:	12 (305)	18 (457)	24 (610)
Depth:	4-1/2 (111)	4-1/2 (111)	4-3/4 (121)
Weight:	18 lbs (7.28 kg)	17 lbs (7.71 kg)	19 lbs (8.62 kg)

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

LISTING — UL Listed, CSA Certified. (UL 1598 and CSA C22.2 No. 250.0-00.) Suitable for damp locations.

WARRANTY — Fixture is guaranteed for one year against mechanical defects in manufacturing.

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: FGB24 6 32 T1X20 MVOLT 1/41/2 GEB10IS LP841

FGB164	4	32	T1X20	ACL	MVOLT	1/4	GEB10IS	LP741	WG
Series	Shielding			Voltage			Lamp color		
FGB14	(blank) No shielding			MVOLT 120V-277V			(blank) No lamps		
FGB184	A12125 Pattern 12 acrylic, 0.125"			HVOLT 347V-480V			LP830 85 CRI, 3000°K, std. life		
FGB24	A12125WG Pattern 12 acrylic, 0.125" w/ wireguard in door frame						LP835 85 CRI, 3500°K, std. life		
Number of lamps	ACL Clear acrylic, 0.125"			Ballast configuration			LP841 85 CRI, 4100°K, std. life		
2	A01WG Clear acrylic, 0.125" w/ wireguard in door frame			(blank) All two-lamp ballasts ¹			LP850 85 CRI, 5000°K, std. life		
3	PCL125 Clear polycarbonate, 0.125"			1/3 One three-lamp ballast			Options		
4	PCL125WG Clear polycarbonate, 0.125" w/ wireguard in door frame			1/4 One four-lamp ballast			OUTGTR Wiring leads through back center of fixture ²		
6	NLWG No lens; wireguard in door frame			1/1/2 One, four-lamp and one, two-lamp ballast			PAF Powder coat after fabrication		
Lamp type	Distribution/Reflector⁴			Ballast			PAF AL Aluminum construction, PAF		
32 32W 18	T1 Tank (0.9<1.2 SC)		X20 Specular aluminum	GEB10IS T8 electronic, <10% THD, instant start, normal BF			TCP Top cover panels		
	W1 Normal (1.2<1.4 SC)		X200 Specular aluminum w/ uplight	GEB10ISH T8 electronic, <10% THD, instant start, high BF			WVG Wireguard, 11 gauge, external mount		
	S1 Spread (1.4<1.8 SC)		D20 White powder coat ⁵	GEB10ISL T8 electronic, <10% THD, instant start, low BF			MSI Occupancy sensor pre-wired (select) ⁶		
	B1 Broad (1.8<SC) ⁷		D20U White powder coat w/ uplight ⁸				MSI60 Occupancy sensor pre-wired (select) ⁶		
							MSIPE Occupancy sensor pre-wired with photocell ⁶		
							EL14 Emergency battery pack (800 lumens) ⁸		

- NOTES:**
- See Configurations table for availability.
 - Not available with prismless lens option.
 - Available with NI (normal distribution) only.
 - Every distribution is not available with every lamp configuration.
 - Three-lamp ballasts for 480V only.
 - Specify OUTGTR when monopoint hanger will be used.
 - Must specify voltage.
 - UL listed for 95°C. Output in emergency mode varies with ambient temperature (approx. 1400 lumens at 25°C and 911 lumens at 45°C). Single-lamp operation only. Not available with HVOLT or MVOLT. Requires some assembly in the field for six-lamp fixtures.

Accessories

- Order as a separate catalog number.
- IDAC120 M20 10' adjustable aircraft cable, 2-hook, Y hanger (one pair)
 - IDAC240 M20 20' adjustable aircraft cable, 2-hook, Y hanger (one pair)
 - HSD3B 3' jack chain with hanger (one pair)
 - HSU Monopoint hanger with 3/4" knob
 - THSDHB Monopoint hanger with 3/4" knob
 - THSDSK Side covers for monopoint hanger (one pair)⁹

	Project 11-10706-3 Callarugus Little Valley CS	Catalog Number FGB164 4 32 T1X20 ACL MVOLT 1/4 GEB10JS LP741 WG	Type
	Submitted By POINT SOURCE GROUP	Notes Pendanta FBO m- I added 1/4	

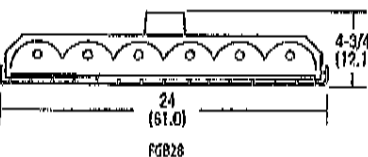
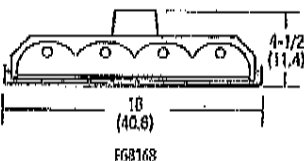
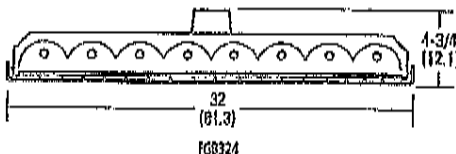
FGB T8 Fluorescent High Bay

Configurations

Series	Number of lamps	Width	Height	Length
FGB14	2 or 3	12 (30.5)	4-1/2 (11.4)	48 (121.9)
FGB164	4	16 (40.6)	4-1/2 (11.4)	48 (121.9)
FGB24	6	24 (61.0)	4-3/4 (12.1)	48 (121.9)

DIMENSIONS

All dimensions are shown in inches (millimeters).



Cord Set Option:

Add suffix to end of catalog number, specify voltage. All cord sets are 10/3, 0', white unless otherwise noted. Other configurations available, consult factory.

Suffix	Description
CS1W	Straight plug, 120V
CS3W	Twist lock, 120V
CS7W	Straight plug, 277V
CS11W	Twist-lock, 277V
CS25W	Twist-lock, 347V
CS97W	Twist-lock, 480V
CS93W	600V SD white cord, no plug (no voltage required)

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.

FGB24 0 32 T1X20
TEST NO: LTL 1456A
LUMENS PER LAMP: 2850

PL PW	Coefficients of Utilization								
	20%		30%		30%				
	80%	100%	80%	100%	80%	100%			
0	100	100	100	100	05	05	00		
1	85	91	88	80	83	84	82	80	
2	64	78	73	78	71	70	75	71	68
3	74	87	81	89	84	80	87	82	80
4	68	89	83	82	88	81	80	85	80
5	80	82	80	88	80	85	84	88	84
6	84	88	81	81	85	80	88	81	80
7	40	42	38	47	40	30	43	40	35
8	45	38	33	43	37	32	42	30	32
9	42	35	30	40	34	28	39	33	28
10	38	32	27	37	31	27	38	31	27

Zonal Lumen Summary			
Zona	Lumens	% Lamps	% Fixture
0° - 30°	5305.3	30.0	32.0
0° - 40°	8178.6	45.0	50.1
0° - 50°	12705.8	72.1	70.0
0° - 60°	16714.2	80.8	87.0
80° - 180°	484.5	2.7	3.0
0° - 180°	10199.4	51.5	100.0

FGB24 0 32 T1X20U
TEST NO: LTL 14280
LUMENS PER LAMP: 2000

PL PW	Coefficients of Utilization								
	20%		30%		30%				
	80%	100%	80%	100%	80%	100%			
0	110	110	110	89	89	89	83	83	83
1	80	82	82	87	85	82	82	80	78
2	60	78	73	77	72	69	72	69	65
3	78	88	82	86	83	88	85	80	80
4	67	88	83	81	80	80	80	83	83
5	80	82	80	85	84	84	83	87	83
6	84	87	81	80	84	88	80	82	80
7	60	42	38	40	40	35	44	37	34
8	40	38	33	42	38	32	41	35	31
9	42	35	30	39	33	29	38	32	28
10	38	32	27	36	30	26	35	30	26

Zonal Lumen Summary			
Zona	Lumens	% Lamps	% Fixture
0° - 30°	6069.0	25.9	30.0
0° - 40°	7045.0	43.2	45.8
0° - 50°	12028.2	60.0	72.1
0° - 60°	14868.0	74.3	89.2
80° - 180°	1667.0	8.3	10.2
0° - 180°	16670.0	84.2	100.0

FGB24 0 32 T1X20U A12
TEST NO: LTL 14081
LUMENS PER LAMP: 2000

PL PW	Coefficients of Utilization								
	20%		30%		30%				
	80%	100%	80%	100%	80%	100%			
0	150	100	100	89	89	89	82	82	82
1	88	88	82	70	77	74	73	72	70
2	78	73	68	70	68	63	60	62	60
3	70	83	83	83	80	84	88	85	82
4	62	88	80	82	81	81	82	81	81
5	60	89	81	81	80	82	81	80	80
6	81	84	88	87	81	87	84	80	88
7	47	40	35	43	37	33	40	30	32
8	43	38	31	39	34	30	37	33	29
9	40	33	28	36	31	27	35	30	28
10	38	30	26	34	29	25	32	29	24

Zonal Lumen Summary			
Zona	Lumens	% Lamps	% Fixture
0° - 30°	4781.1	26.4	30.6
0° - 40°	7218.0	40.0	47.2
0° - 50°	11110.7	62.8	72.7
0° - 60°	12854.0	73.2	84.9
80° - 180°	2520.2	13.2	15.2
0° - 180°	15282.7	88.3	100.0



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