



Note: Drawing above illustrates only one of the suspension types available for this luminaire. For other drawings, consult individual Suspension Specification Sheet numbers as noted in Suspension chart(s) below.

Complete Luminaire consists of Body and Suspension: Order each separately.

Body Cat. No.	Finish	Lamps	Options
4A42842APBU <input type="checkbox"/>	Polished Brass	8-26 Triple Tube Compact Fluorescent or 8-32 Triple Tube Compact Fluorescent or 8-42 Triple Tube Compact Fluorescent	D2 (26W, 120V only), E3 (347V), or EM Add suffix to cat. no.
4A42842ASNU <input type="checkbox"/>	Satin Nickel		

Single Swivel Stem		Multiple Swivel Stem		Suspension Extension Kits	
Cat. No.	Nominal OAL	Cat. No.	Nominal OAL	Cat. No.	Nominal OAL
Specify Finish as Suffix: PB or SN		Specify Finish as Suffix: PB or SN		Specify Finish as Suffix: PB or SN	
4SB115 <input type="checkbox"/>	18 1/4"	4SB224 <input type="checkbox"/>	27 1/4"	4SXT48 <input type="checkbox"/>	48"
4SB118 <input type="checkbox"/>	19 11/16"	4SB228 <input type="checkbox"/>	31 1/16"	4SXT96 <input type="checkbox"/>	96"
4SB121 <input type="checkbox"/>	21" (close-to-ceiling)	4SB235 <input type="checkbox"/>	36 11/16"		
4SB124 <input type="checkbox"/>	27 1/4"	4SB242 <input type="checkbox"/>	42"		
4SB128 <input type="checkbox"/>	31 1/16"	See Specification Sheet 4SB224.			
4SB135 <input type="checkbox"/>	36 11/16"				
4SB142 <input type="checkbox"/>	42"				
See Specification Sheet(s) 4SB115, 4SB124					

Specifications

- Suspension Size:** For optimum performance testing recommends OAL (overall length) in proportion to the Body diameter or for close-to-ceiling proportion length (see shaded cells). OAL is defined from bottom of diffuser to ceiling plane.
- Stem Wires:** Equipped with 120" of leads with keyed connector for quick connection to Body wiring.

Options & Accessories

- D2** = Dimming Electronic Ballast, 26 Watt, only
Replace Body Cat No. Suffix "U" with Suffix "D2".
- E3** = 347V (Canada)
Replace Body Suffix "U" with Suffix "E3".
- EM** = Emergency Battery Pack
Add Suffix "EM" to Body Cat. No.

Multi-Level Switching: Prewired, consult wiring diagram.

Fusing: Consult Factory

Finishing: **PB** = Polished Brass, **SN** = Satin Nickel

Job Information	Type:
Job Name:	
Cat. No.:	
Lamp(s):	
Notes:	

Lightolier a Genlyte company www.lightolier.com
 631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710
 We reserve the right to change details of design, materials and finish.
 © 2005 Genlyte Group LLC • B0605

LIGHTOLIER®



Features

- 1. Diffusing Reflector:** White translucent acrylic, 3/16" thick.
- 2. Inner Dirt Shield:** White translucent acrylic, 1/8" thick.
- 3. Chassis:** Steel, 20 gauge, semi-gloss white powder-coat finish.
- 4. Suspension:** Swivel (central) stem, 5/8" steel tube. Canopy, 7" Dia., fastened internally, no exposed hardware. Permits installation on ceilings with slope of up to 45°. Complies with California Code.
- 5. Lampholder:** Multi-wattage, 4-pin, will accept either GX24q-3 or GX24q-4 lamp base.

Lamping (by others)

Compact Fluorescent: Triple Tube, 26, 32, or 42 Watts.

	General Electric	Osram/Sylvania	Philips
26W Triple Tube 4-Pin (Amalgam) Compact Fluorescent Lamp	F26TBX/*A/4P	CF26DT/E/IN/*	PL-T26W/*4P
32W Triple Tube 4-Pin (Amalgam) Compact Fluorescent Lamp	F32TBX/*A/4P	CF32DT/E/IN/*	PL-T32W/*4P
42W Triple Tube 4-Pin (Amalgam) Compact Fluorescent Lamp	F42QBK/*A/4P	CF42DT/E/IN/*	PL-T42W/*4P

*Manufacturers' color temperature designation.

Electrical

Ballast: Electronic, 2-Lamp HPF, Class P, Programmed Start. Universal Voltage 120/277V, Multi-Wattage 26/32/42W.

8 Lamps	26 Watt		32Watt		42Watt	
	120V	277V	120V	277V	120V	277V
Voltage	120V	277V	120V	277V	120V	277V
Total Input Watts	224	224	276	276	364	364
Max. Line Current (amps)	1.84	0.8	2.32	1.04	3.04	1.28
Power Factor	>.98	>.98	>.98	>.98	>.98	>.99
Ballast Factor	1.02	1.02	1.00	1.00	.98	.98

THD<10% Minimum Starting Temperature: 0°F/-18°C

Mounting

Mounts directly to 4" outlet box, using crossbar hanger, supplied.

Labels

cULus listed suitable for damp locations.

Application Data

42 Inch Diameter			
45' x 45' x 12' Space			
Luminaire		Spacing: 15' x 15'	
Susp. Dist. 42"			
8 Lamps	26W TTT	32W TTT	42W TTT
Illum. (FC)	29	39	52
Maint.			
Lum. Ratio	10/1	10/1	11/1
Watts/Sq. Ft.	0.98	1.21	1.65

Reflectances: 80% Ceiling, 50% Walls, 20% Floor.

Light Loss Factor = .75 (.88 BF x .85)

FC (footcandles) at 30" work plane.

CERTIFIED TEST REPORT NO. 4A42842
COMPUTED BY LSI PROGRAM **TEST-LITE**

LIGHTOLIER INDIRECT/DIRECT PENDANT FIXTURE
CAT. #4A42842A, HOUSING COVER WITHOUT FLANGE, 42" DIFFUSER
8-42W PLT TRIPLE TUBE PHILIPS LAMPS. LUMEN RATING = 3200 LMS.
4-OSRAM BALLASTS, #M2-CF-26/32/42-B-M-UNIV., 120 VAC

DATE: SEPT. 15, 2000
PREPARED FOR:
LIGHTOLIER, FALL RIVER, MA

CANDLEPOWER SUMMARY

ANGLE	MEAN CP	LUMENS	ANGLE	MEAN CP	LUMENS
0	890		90	136	
5	884	84	95	347	532
10	874		100	1122	
15	856	242	105	1847	1900
20	831		110	2367	
25	800	370	115	2832	2796
30	763		120	3237	
35	721	452	125	3618	3234
40	672		130	3949	
45	617	477	135	4137	3187
50	556		140	4240	
55	493	442	145	4346	2737
60	429		150	4495	
65	371	369	155	4491	2016
70	314		160	3947	
75	261	277	165	3412	998
80	212		170	3313	
85	166	186	175	3685	347
90	136		180	3859	

ZONAL LUMENS AND PERCENTAGES

0-30	696	2.72	3.37
0-40	1147	4.48	5.56
0-60	2066	8.07	10.01
0-90	2898	11.32	14.04
40-90	1750	6.84	8.48
60-90	831	3.25	4.03
90-180	17747	69.33	85.96
0-180	20646	80.65	100.00

** EFFICIENCY = 80.6% **

TESTED ACCORDING TO IES PROCEDURES. TEST DISTANCE EXCEEDS FIVE TIMES THE GREATEST LUMINOUS OPENING OF LUMINAIRE.

COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD

%EFFECTIVE FLOOR CAVITY REFLECTANCE = .20

	80			70			50			30			10			0
	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	
1	.69	.66	.63	.60	.58	.55	.44	.43	.41	.30	.29	.28	.16	.16	.15	.08
2	.60	.55	.51	.52	.49	.45	.39	.36	.34	.26	.24	.23	.14	.13	.13	.07
3	.53	.47	.43	.46	.42	.38	.34	.31	.29	.23	.21	.20	.12	.12	.11	.06
4	.46	.40	.36	.41	.36	.32	.30	.27	.24	.20	.18	.17	.11	.10	.09	.05
5	.40	.35	.30	.36	.31	.27	.27	.23	.21	.18	.16	.14	.10	.09	.08	.04
6	.37	.30	.26	.32	.27	.23	.24	.20	.18	.16	.14	.12	.09	.08	.07	.04
7	.33	.27	.22	.29	.24	.20	.21	.18	.15	.15	.12	.11	.08	.07	.06	.03
8	.39	.29	.24	.26	.21	.17	.19	.16	.13	.13	.11	.09	.07	.06	.06	.03
9	.36	.27	.21	.23	.19	.15	.18	.14	.12	.12	.10	.08	.07	.05	.05	.02
10	.33	.24	.19	.21	.17	.13	.16	.13	.10	.11	.09	.07	.06	.05	.04	.02

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES

Job Information Type:

Lightolier a Genlyte company www.lightolier.com
631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710
We reserve the right to change details of design, materials and finish.
© 2005 Genlyte Group LLC • B0605

