



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
4A28442APBU <input type="checkbox"/>	Polished Brass Satin Nickel	4-26 Triple Tube Compact Fluorescent or 4-32 Triple Tube Compact Fluorescent or 4-42 Triple Tube Compact Fluorescent	MX1 (26W, 120V only), E3 (347V), or EM Add suffix to cat. no.
4A28442ASNU <input type="checkbox"/>			

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, SN		Specify Finish as Suffix: PB, SN		Specify Finish as Suffix: PB, SN	
4SB115 <input type="checkbox"/>	15 3/16" (close-to-ceiling)	4SB224 <input type="checkbox"/>	24 3/16"	4SXT48 <input type="checkbox"/>	48"
4SB118 <input type="checkbox"/>	16 5/8"	4SB228 <input type="checkbox"/>	28"	4SXT96 <input type="checkbox"/>	96"
4SB121 <input type="checkbox"/>	17 15/16"	4SB235 <input type="checkbox"/>	33 5/8"		
4SB124 <input type="checkbox"/>	24 3/16"	4SB242 <input type="checkbox"/>	38 15/16"		
4SB128 <input type="checkbox"/>	28"	See Specification Sheet 4SB224.			
4SB135 <input type="checkbox"/>	33 5/8"				
4SB142 <input type="checkbox"/>	38 15/16"				
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

- MX1** = Dimming Electronic Ballast, 26 Watt, only
Replace Body Cat No. Suffix "U" with Suffix "MX1".
- 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.

Finishes: **PB** = Polished Brass **SN** = Satin Nickel

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

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, 3/4" 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.

4 Lamps	26 Watt		32Watt		42Watt	
	120V	277V	120V	277V	120V	277V
Voltage	120V	277V	120V	277V	120V	277V
Total Input Watts	110	110	140	140	186	186
Max. Line Current (amps)	1.11	0.48	1.40	0.60	0.60	0.80
Power Factor	>0.98	>0.98	>0.98	>0.98	>0.99	>0.99
Ballast Factor	1.02	1.02	0.96	0.96	0.95	0.95

THD<10% Minimum Starting Temperature: -5°F/-20°C

Mounting

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

Labels

cULus listed suitable for damp locations.

Application Data

28 Inch Diameter 30' x 30' x 10' Space Luminaire			
		Spacing: 10' x 10' Susp. Dist. 28"	
4 Lamps	26W TTT	32W TTT	42W TTT
Illum. (FC) Maint.	30	41	54
Lum. Ratio	8/1	8/1	9/1
Watts/ Sq. Ft.	1.10	1.36	1.86

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. 4A28442
COMPUTED BY LSI PROGRAM **TEST-LITE**

LIGHTOLIER INDIRECT/DIRECT PENDANT FIXTURE
CAT. #4A28442APBU, HOUSING COVER WITHOUT FLANGE, 28" DIFFUSER
4-42W PLT TRIPLE TUBE PHILIPS LAMPS. LUMEN RATING = 3200 LMS.
2-ADVANCE BALLAST, #1CF-2S42-M2-LD, 120 VAC

DATE: OCT. 4, 2000
PREPARED FOR:
LIGHTOLIER, FALL RIVER, MA

CANDLEPOWER SUMMARY

ANGLE	MEAN CP	LUMENS	ANGLE	MEAN CP	LUMENS
0	395	90	90	53	
5	394	38	95	121	199
10	389	100	100	433	
15	382	108	105	834	871
20	372	110	110	1193	
25	360	166	115	1470	1453
30	342	120	120	1722	
35	321	201	125	1912	1704
40	297	130	130	2053	
45	272	211	135	2149	1656
50	247	140	140	2203	
55	221	198	145	2215	1386
60	193	150	150	2192	
65	165	165	155	2178	1005
70	141	160	160	2136	
75	116	123	165	1949	546
80	92	170	170	1666	
85	71	78	175	1624	159
90	53	180	180	1756	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	311	2.43	3.03
0-40	512	4.01	5.00
0-60	920	7.20	8.97
0-90	1287	10.06	12.54
40-90	774	6.05	7.55
60-90	366	2.86	3.57
90-180	8978	70.15	87.46
0-180	10266	80.21	100.00

** EFFICIENCY = 80.2% **

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	.68	.65	.63	.60	.57	.54	.44	.42	.41	.29	.28	.27	.15	.15	.14	.08
2	.59	.55	.51	.52	.48	.45	.38	.35	.33	.25	.24	.22	.13	.13	.12	.07
3	.52	.47	.42	.46	.41	.37	.33	.30	.28	.22	.21	.19	.12	.11	.10	.06
4	.46	.40	.36	.40	.35	.32	.30	.26	.24	.20	.18	.16	.10	.10	.09	.05
5	.40	.35	.30	.36	.31	.27	.26	.23	.20	.18	.15	.14	.09	.08	.08	.04
6	.36	.30	.26	.32	.27	.23	.24	.20	.17	.16	.14	.12	.08	.07	.07	.04
7	.32	.26	.22	.28	.23	.20	.21	.18	.15	.14	.12	.10	.08	.06	.06	.03
8	.38	.29	.19	.26	.21	.17	.19	.16	.13	.13	.11	.09	.07	.06	.05	.03
9	.36	.26	.17	.23	.18	.15	.17	.14	.11	.12	.09	.08	.06	.05	.04	.02
10	.33	.24	.15	.21	.16	.13	.16	.12	.10	.11	.08	.07	.06	.05	.04	.02

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES

Job Information Type: