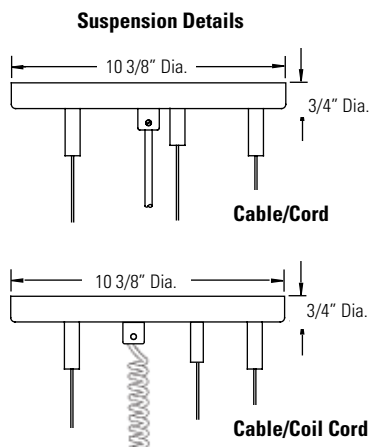
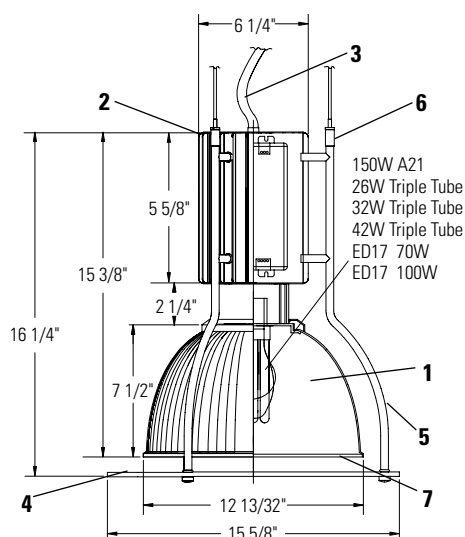




MX1 = Mark X Dimming 26/32/42W, 120V*
 MX2 = Mark X Dimming 26/32/42W, 277V*
 DA = DALI (Digital Addressable Interface) **
 E3 = 347V (Canada) specification data.
 *2-wire, Neutral connection required at dimming control
 ** 5-wire Suspension Kit required.

Complete fixture consists of: Power Head, Reflector, Deco Kit/Suspension System and Deco Disk. Select each separately.

Reflector/Refractor		Power Head Finish: Powder Coated Textured Dark Grey				Optional Extension Kits		
Cat. Number		Cat. No.	Lamp	Watts	Volts	Options	Cat. No.	Description
40421	Anodized Reflector	4046261	Incandescent A21	150	120	Not App.	404EXT300*	25' Ext. Cable/Cord Kit
	Semi Specular	40472U3	CFL Triple Tube	26/32/42	120/277	MX1, MX2, DA, E3	404EXT300G5**	5-wire, 25' Cord/Cable
40422	Acrylic Refractor	4047270EU	Metal Halide ED17 (Open Rated)	70	120/277	N/A		
		40472100EU	Metal Halide ED17 (Open Rated)	100	120/277	N/A		

* Use with Standard Cord or Deco Suspension Kit
 ** DALI requires a 5-wire suspension.

Deco Kits		Deco Disks		Reflector/Refractor Options		
Cat. No.	Description	Cat. No.	Description	Cat. No.	Description	Use With
412DK*	Deco Cable Assembly	412DG	Glass Deco Disk	421G	Industrex Glass Lens	40421
412DK5	Deco Cable Assembly (5-Wire)	412DA	Acrylic Deco Disk	422A	Flat Acrylic Lens	40422
412DLS	Track Mounting Kit (Including Deco Arms)	412PM	Perforated Metal Deco Disk	422G	Industrex Glass Lens	40422

*Includes Deco Arms, Cord/Cable and Coil Cord 120".

Features

- Reflector/Refractor:** Injection Molded Acrylic, UV Stabilized. Semi-specular High purity Anodized Aluminum, 16 gauge iridescence-free.
- Power Head Housing:** Two-piece extruded aluminum. Removable door allows for ease of installation and servicing. Dark Grey textured powder coat finish.
- Suspension:**
 Cable/Cord: 1/16" Stainless Steel/SJT 18-3, Grey.
 Cable/Coiled Cord: 1/16" Stainless Steel/SJT 18-3, Grey. Grey Canopy.
 Stem: 3/4" steel tubing and canopy, with 35° swivel hanger. Grey Finish.
- Aperture Disk:** Glass, Acrylic, or Perforated Metal.
- Support Arms:** (3) 3/8" dia. steel tubing brushed and clear lacquered.
- Adjustment:** (3) fittings allow for height and leveling adjustment after installation.
- Shielding Options:** Industrex® glass lens or clear acrylic lens.

Note: See specification sheet 412DK for more information on suspension, Disks, & Support Arms.

Labels

cULus Listed. Suitable for Damp Locations.

Job Information

Type:

Job Name:

Cat. No.:

Lamp(s):

Notes:

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Electrical

Lampholders:

Compact Fluorescent: 4-pin, 26/32 watt base: GX24q-3; 42 watt base: GX24q-4; 57 watt base: GX24Q-5; 70 watt base: GX24q-6; 85 watt base: 2G8
Incandescent: Medium Base, Porcelain, Nickel Plated Screw Shell.

Ballast: Fluorescent: Electronic

	26 Watt		32 Watt		42 Watt	
Voltage	120	277	120	277	120	277
Total Input Watts	26	26	36	36	47	47
Max. Line Current (Amps)	.22	.09	.30	.09	.39	.17

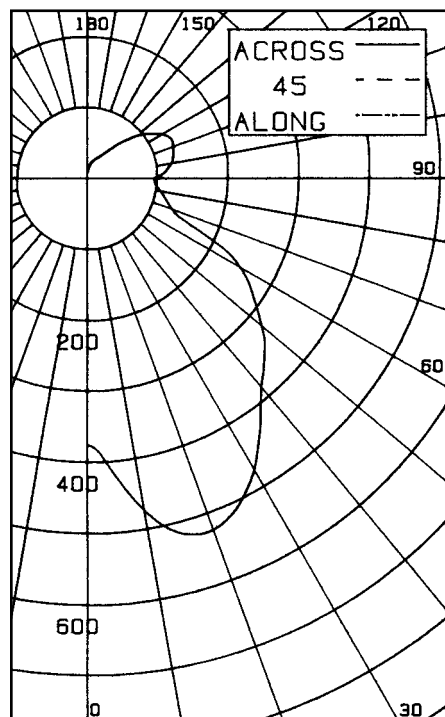
	70 Watt	
Voltage	120	277
Total Input Watts	73	72
Max. Line Current (Amps)	.61	.27

Power Factor >.98, Ballast Factor .98, THD <10%

Minimum Starting Temperature 0°F

Metal Halide: Electronic

	70 Watt		100 Watt	
Voltage	120	277	120	277
Total Input Watts	78	78	110	110
Max. Line Current (Amps)	.67	.29	.94	.42



Spacing Ratio = 1.6

ZONAL LUMENS AND PERCENTAGES			
ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	417	17.39	18.87
0-40	686	28.62	31.05
0-60	1217	50.73	55.04
0-90	1628	67.85	73.61
40-90	941	39.23	42.56
60-90	410	17.12	18.58
90-180	583	24.32	26.39
0-180	2212	92.17	100.00

** EFFICIENCY = 92.2% **

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

Lamping (by others)

Compact Fluorescent:

General Electric	Osram/Sylvania	Philips
(1) 26W Triple Tube 4-Pin (Amalgam) Compact Fluorescent Lamp F26TBX/* /A/4P	CF26DT/E/IN/*	PL-T26W/* /4P
(1) 32W Triple Tube 4-Pin (Amalgam) Compact Fluorescent Lamp F32TBX/* /A/4P	CF32DT/E/IN/*	PL-T32W/* /4P
(1) 42W Triple Tube 4-Pin (Amalgam) Compact Fluorescent Lamp F42TBX/* /A/4P	CF42DT/E/IN/*	PL-T42W/* /4P

Metal Halide:

General Electric	Osram/Sylvania	Philips
(1) 70W Ceramic Metal Halide ED17 Lamp MXR70/C/U/MED/O	MCP70/C/U/MED/*	MHC70/C/U/MP*
(1) 100W Ceramic Metal Halide ED17 Lamp MXR100/C/U/MED/O	MCP100/C/U/MED/*	MHC100/C/U/MP*

* Manufacturers' color temperature designation.

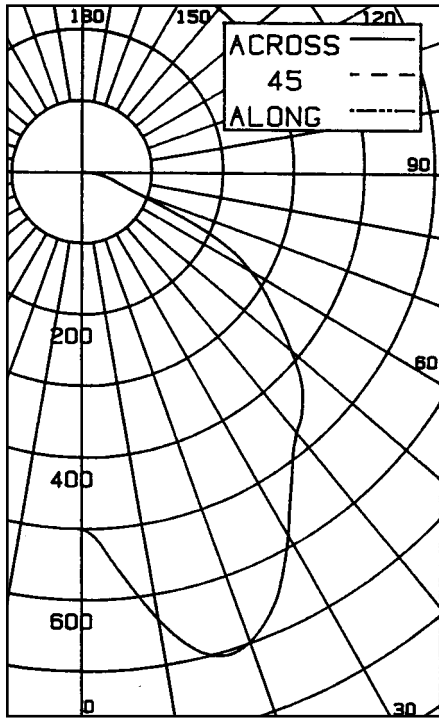
CERTIFIED TEST REPORT NO.0761FR COMPUTED BY LSI PROGRAM ** TEST -LITE**
LIGHTOLIER COMPACT FLUORESCENT PENDANT FIXTURE CAT. #40472U3/40422/412DK/412DG
12 1/2" DIA. PLASTIC REFRACTOR WITH 16 1/2" DIA. ETCHED DISK
ONE 32W PLT TRIPLE TUBE PHILIPS LAMP. LUMEN RATING = 2400 LMS.
ESI BALLAST CAT. #ESICFH-42/32/26-UNVD

CANDLEPOWER DATA					
ANGLE	CANDLEPOWER	LUMENS	ANGLE	CANDLEPOWER	LUMENS
0	376		95	112	121
5	414	41	100	122	
10	475		105	127	134
15	517	145	110	130	
20	525		115	131	28
25	508	234	120	23	
30	474		125	09	98
35	429	270	130	92	
40	385		135	73	57
45	356	275	140	55	
50	321		145	42	28
55	285	256	150	34	
60	249		155	30	14
65	176	181	160	26	
70	128		165	22	7
75	115	123	170	17	
80	105		175	11	2
85	97	108	180	8	
90	96				

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	.90	.86	.82	.85	.82	.78	.77	.74	.71	.69	.67	.65	.62	.60	.59	.55
2	.79	.73	.67	.75	.69	.65	.68	.63	.59	.61	.58	.55	.55	.52	.50	.47
3	.69	.62	.56	.66	.60	.54	.60	.55	.50	.54	.50	.46	.49	.46	.43	.40
4	.62	.54	.48	.59	.52	.47	.54	.48	.44	.49	.44	.40	.44	.40	.37	.35
5	.55	.47	.41	.53	.45	.40	.48	.42	.37	.44	.39	.35	.40	.36	.32	.30
6	.49	.41	.36	.47	.40	.35	.43	.37	.32	.39	.34	.30	.36	.31	.28	.26
7	.44	.36	.31	.42	.35	.30	.39	.32	.28	.35	.30	.26	.32	.28	.24	.22
8	.40	.32	.27	.38	.31	.26	.35	.29	.25	.32	.27	.23	.29	.25	.22	.20
9	.36	.29	.24	.35	.28	.23	.32	.26	.22	.29	.24	.20	.27	.22	.19	.17
10	.33	.26	.21	.32	.25	.20	.29	.23	.19	.27	.22	.18	.24	.20	.17	.15

CERTIFIED TEST REPORT NO.0607FR COMPUTED BY LSI PROGRAM **TEST-LITE**
 LIGHTOLIER COMPACT FLUORESCENT PENDANT FIXTURE CAT. #40472U3/40422/412DK/412DG
 12 1/2" DIA. SEMI-SPECULAR REFLECTOR WITH 16 1/2" DIA. ETCHED DISK
 ONE 32W PLT TRIPLE TUBE PHILIPS LAMP. LUMEN RATING = 2400 LMS.
 ESI BALLAST CAT. #ESICFH-42/32/26-UNVD



Spacing Ratio = 1.5

ZONAL LUMENS AND PERCENTAGES			
ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	547	22.81	30.80
0-40	877	36.55	49.36
0-60	1511	62.99	85.06
0-90	1777	74.05	100.00
40-90	900	37.50	50.64
60-90	265	11.06	14.94
90-180	0	.00	.00
0-180	1777	74.05	100.00

** EFFICIENCY = 74.0% **

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

CANDLEPOWER DATA					
ANGLE	CANDLEPOWER	LUMENS	ANGLE	CANDLEPOWER	LUMENS
0	500		45.0	443	339
2.5	515		47.0	418	
5.0	552	54	50.0	387	
7.5	593		52.5	358	
10.0	637		55.0	329	297
12.5	674		57.5	304	
15.0	699	194	60.0	275	
17.5	706		62.5	243	
20.0	698		65.0	194	186
22.5	680		67.5	132	
25.0	655	301	70.0	85	
27.5	621		72.5	62	
30.0	586		75.0	51	59
32.5	550		77.5	43	
35.0	520	330	80.0	34	
37.5	493		82.5	27	
40.0	474		85.0	20	22
42.5	461		87.5	11	
			90.0	3	

COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD

%EFFECTIVE FLOOR CAVITY REFLECTANCE = .20

ROOM CAVITY RATIO		80	70	50	30	10	
		50 30 10	50 30 10	50 30 10	50 30 10	50 30 10	0
	1	.79 .76 .74	.77 .75 .73	.74 .72 .70	.71 .70 .68	.69 .67 .66	.65
	2	.71 .67 .63	.69 .65 .62	.67 .64 .61	.65 .62 .59	.62 .60 .58	.57
	3	.63 .58 .54	.62 .57 .53	.60 .56 .52	.58 .55 .52	.56 .53 .51	.49
	4	.57 .51 .47	.56 .51 .46	.54 .50 .46	.53 .49 .45	.51 .48 .45	.43
	5	.51 .45 .41	.50 .44 .40	.49 .44 .40	.47 .43 .40	.46 .42 .39	.38
	6	.46 .40 .36	.45 .39 .35	.44 .39 .35	.43 .38 .35	.42 .37 .34	.33
	7	.41 .35 .31	.41 .35 .31	.39 .34 .30	.38 .34 .30	.37 .33 .30	.29
	8	.37 .31 .27	.37 .31 .27	.36 .31 .27	.35 .30 .27	.34 .30 .27	.25
9	.34 .28 .24	.34 .28 .24	.33 .27 .24	.32 .27 .24	.31 .27 .23	.22	
10	.31 .25 .21	.31 .25 .21	.30 .25 .21	.29 .24 .21	.29 .24 .21	.20	

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES

Job Information

Type:

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