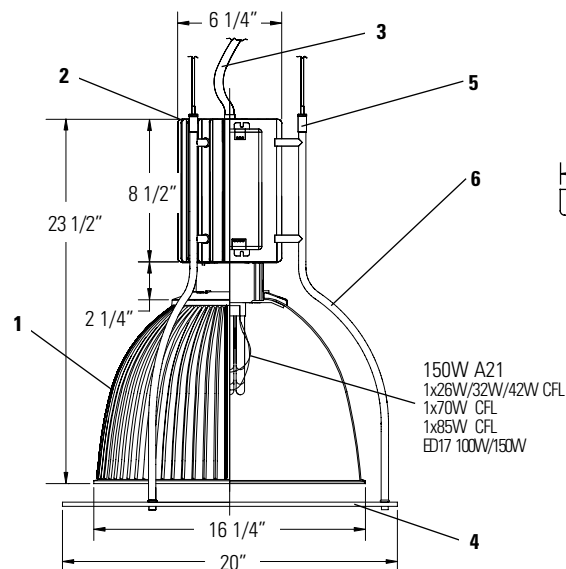
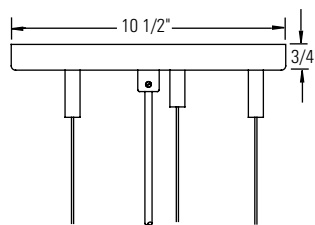
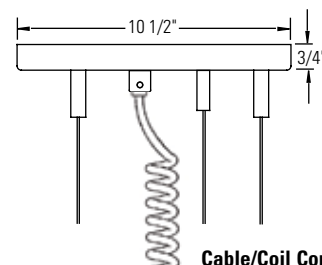




Suspension Details



Cable/Cord



Cable/Coil Cord

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

| Reflector/Refractor                           |  | Power Head: Powder Coated Textured Dark Grey |                                |          |         | 16" Power Head Options (Add suffix to Cat. No.) |                                           |
|-----------------------------------------------|--|----------------------------------------------|--------------------------------|----------|---------|-------------------------------------------------|-------------------------------------------|
| Cat. No.                                      |  | Cat. No.                                     | Lamp                           | Watts    | Volts   | Options                                         | Remove U or U3 from Cat. No. & add Suffix |
| <b>40431</b> Semi Specular Anodized Reflector |  | <b>406371</b>                                | Incandescent A21               | 150      | 120     | Not App.                                        |                                           |
|                                               |  | <b>4073U3</b>                                | CFL Triple Tube                | 26/32/42 | 120/277 | MX1, MX2, DA, E3                                |                                           |
| <b>40432</b> Acrylic Refractor                |  | <b>407370U</b>                               | CFL Triple Tube                | 70       | 120/277 | MX1, MX2, E3                                    |                                           |
|                                               |  | <b>407385U</b>                               | CFL Triple Tube                | 85       | 120/277 | Not App.                                        |                                           |
|                                               |  | <b>4083100EU</b>                             | Metal Halide ED17 (Open Rated) | 100      | 120/277 | N/A                                             |                                           |
|                                               |  | <b>4083150EU</b>                             | Metal Halide ED17 (Open Rated) | 150      | 120/277 | N/A                                             |                                           |

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

Note: For CFL unit with integrated Emergency Battery Pack (EM) Option refer to Specification Sheet number P-EM for Cat. No. ordering guide and specification data.

## Deco Kits

| Cat. No.      | Color | Description                              |
|---------------|-------|------------------------------------------|
| <b>416DK</b>  | Grey  | Deco Cable Assembly, Cable and Coil Cord |
| <b>416DLS</b> | Grey  | Track Mounting Kit                       |
| <b>416DK5</b> | Grey  | Dali 5 Wire Deco Cable Assembly          |

## Deco Disks

| Cat. No.     | Description                |
|--------------|----------------------------|
| <b>416DG</b> | Glass Deco Disk            |
| <b>416DA</b> | Acrylic Deco Disk          |
| <b>416PM</b> | Perforated Metal Deco Disk |

## Reflector/Refractor Options

| Cat. No.    | Description           | Used With |
|-------------|-----------------------|-----------|
| <b>431G</b> | Industrex® Glass Lens | 40431     |
| <b>432A</b> | Acrylic Lens          | 40432     |
| <b>432G</b> | Industrex® Glass Lens | 40432     |

## Extension Kits

| Cat. No.             | Color | Description                  |
|----------------------|-------|------------------------------|
| <b>404EXT300*</b>    | Grey  | 25' Extension Cable/Cord Kit |
| <b>404EXT300G5**</b> | Grey  | 5-wire, 25' Cord/Cable       |

\*Use with Deco Suspension Kit  
 \*\*Use with Deco Suspension Kit (416DK5)

## Features

- Reflector/Refractor:** Injection molded acrylic, UV stabilized or 16 gauge anodized aluminum, iridescent free.
- Power Head Housing:** Two-piece extruded aluminum. Removable door allows for ease of installation and servicing. Dark Gray textured powder coat finish.
- Suspension:**  
 Cable/Cord: 1/16" Stainless Steel/SJT 18-3, Grey or Black.  
 Cable/Coiled Cord: 1/16" Stainless Steel/SJT 18-3, Grey or Black.  
 Stem: 3/4" steel tubing and canopy, with 35 degree swivel hanger, Grey or Black Finish.
- Aperture Disk:** Glass, Acrylic, or Perforated Metal. See specification sheet 416DK for more details.
- Adjustment:** (3) fittings on cable allows for height and leveling adjustment after installation.
- Support Arms:** (3) 3/8" dia. steel tubing, brushed and clear lacquered.

## Labels

cULus listed suitable for damp locations.  
 Industrex® is a registered trademark of AFG Industries, Inc.

## Job Information

## Type:

**Job Name:**

**Cat. No.:**

**Lamp(s):**

**Notes:**

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### Lamping (by others)

#### Compact Fluorescent:

| General Electric                                                                 | Osram/Sylvania | Philips     |
|----------------------------------------------------------------------------------|----------------|-------------|
| (1) 26W Triple Tube 4-Pin (Amalgam) Compact Fluorescent Lamp<br>F26TBX/*A/4P     | CF26DT/E/IN/*  | PL-T26W/*4P |
| (1) 32W Triple Tube 4-Pin (Amalgam) Compact Fluorescent Lamp<br>F32TBX/*A/4P     | CF32DT/E/IN/*  | PL-T32W/*4P |
| (1) 42W Triple Tube 4-Pin (Amalgam) Compact Fluorescent Lamp<br>F42QBX/*A/4P     | CF42DT/E/IN/*  | PL-T42W/*4P |
| (1) 70W Triple Tube 4-Pin (Amalgam) Compact Fluorescent Lamp<br>F70QBX/*A/4P/EOL | CF70DT/E/IN/*  | N/A         |
| (1) 85W Triple Tube 4-Pin (Amalgam) Compact Fluorescent Lamp<br>N/A              | N/A            | PL-H85W/*4P |

\* Manufacturers' color temperature designation.

#### Metal Halide:

| General Electric                                            | Osram/Sylvania   | Philips       |
|-------------------------------------------------------------|------------------|---------------|
| (1) 100W Ceramic Metal Halide ED17 Lamp<br>MXR100/C/U/MED/O | MCP100/C/U/MED/* | MHC100/C/UMP* |
| (1) 150W Ceramic Metal Halide ED17 Lamp<br>MXR150/C/U/MED/O | MCP150/C/U/MED/* | MHC150/C/UMP* |

\* Manufacturers' color temperature designation.

### Electrical

#### Lampholders:

Compact Fluorescent:

4-pin, 26/32 watt base: GX24q-3; 42 watt base: GX24q-4;

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 |     | 85 Watt |     |         |     |
| Voltage                  | 120     | 277 | 120     | 277 |         |     |
| Total Input Watts        | 73      | 72  | 98      | 98  |         |     |
| Max. Line Current (Amps) | .61     | .27 | .82     | .36 |         |     |

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

Minimum Starting Temperature: 0°F

#### Metal Halide: Electronic, High Power Factor

|                          | 100 Watt ANSI<br>Code M-90 |      | 150 Watt ANSI<br>Code M-102 |     |
|--------------------------|----------------------------|------|-----------------------------|-----|
| Voltage                  | 120                        | 277  | 120                         | 277 |
| Total Input Watts        | 110                        | 110  | 167                         | 167 |
| Max. Line Current (Amps) | 0.94                       | 0.42 | 1.4                         | 0.6 |

Minimum starting Temperature: +5°F

### Job Information

### Type:

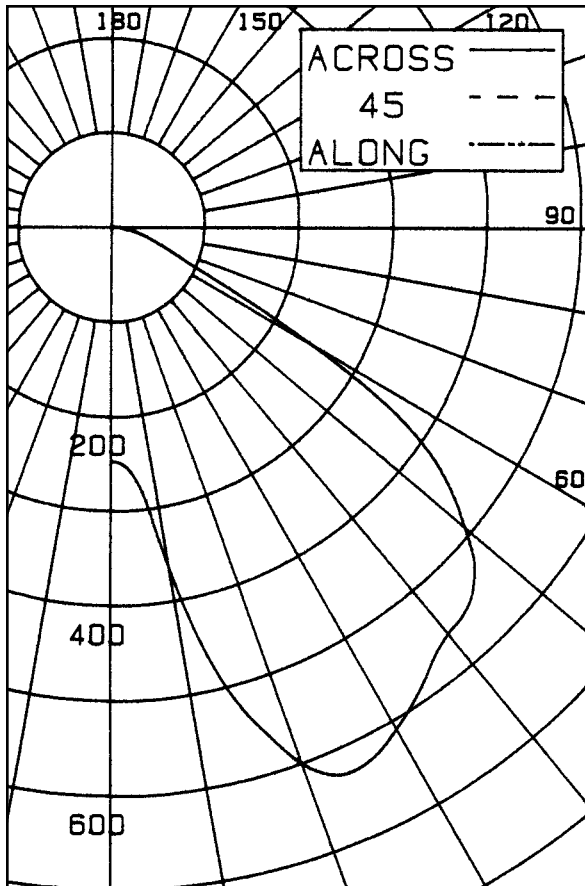
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| Multiple Units (32W Triple Tube, CFL) |                         |                      |                   |
|---------------------------------------|-------------------------|----------------------|-------------------|
| Spacing on Center                     | Height to Lighted Plane | Initial Foot-candles | Watts Per Sq. Ft. |
| 6'                                    | 6'                      | <b>53</b>            | 1.00              |
|                                       | 12'                     | <b>47</b>            |                   |
| 8'                                    | 6'                      | <b>30</b>            | 0.56              |
|                                       | 12'                     | <b>26</b>            |                   |
| 10'                                   | 6'                      | <b>19</b>            | 0.36              |
|                                       | 12'                     | <b>17</b>            |                   |

Based on 60" x 60" room with 80% ceiling cavity, 50% wall and 20% floor reflectances. Height is from bottom of fixture to lighted plane.



Spacing Ratio = 2.4

| COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD |     |     |     |     |     |     |
|-------------------------------------------------|-----|-----|-----|-----|-----|-----|
| %EFFECTIVE FLOOR CAVITY REFLECTANCE = .20       |     |     |     |     |     |     |
|                                                 | 80  |     |     | 70  |     |     |
|                                                 | 50  |     |     | 30  |     |     |
|                                                 | 10  |     |     | 0   |     |     |
| ROOM CAVITY RATIO                               | 50  | 30  | 10  | 50  | 30  | 10  |
| 1                                               | .79 | .76 | .74 | .77 | .75 | .72 |
| 2                                               | .70 | .66 | .63 | .69 | .65 | .62 |
| 3                                               | .63 | .58 | .54 | .62 | .57 | .53 |
| 4                                               | .56 | .51 | .46 | .55 | .50 | .46 |
| 5                                               | .50 | .44 | .40 | .49 | .44 | .40 |
| 6                                               | .45 | .38 | .34 | .44 | .38 | .34 |
| 7                                               | .39 | .33 | .29 | .38 | .32 | .29 |
| 8                                               | .35 | .29 | .25 | .34 | .28 | .25 |
| 9                                               | .32 | .25 | .21 | .31 | .25 | .21 |
| 10                                              | .28 | .22 | .18 | .27 | .22 | .18 |

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES

| Illuminance (FC) Multipliers |                          |
|------------------------------|--------------------------|
| For Incandescent             | For Compact Fluorescent: |
| 100 Watt = 0.07              | 26 Watt = 0.7            |
| 150 Watt = 1.2               | 42 Watt = 1.3            |

### CERTIFIED TEST REPORT NO. 0769FR COMPLETED BY LSI PROGRAM \*\*TEST-LITE\*\*

LIGHTOLIER COMPACT FLUORESCENT PENDANT FIXTURE CAT. #4073U3/40431/416DK/416DG  
16 1/4" DIA. SEMI SPECULAR REFLECTOR WITH 20" 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               | 248         | 28     | 45.0  | 545         | 415    |
| 2.5              | 250         |        | 47.5  | 525         | 351    |
| 5.0              | 261         |        | 50.0  | 491         |        |
| 7.5              | 292         |        | 52.5  | 456         |        |
| 10.0             | 367         |        | 55.0  | 413         |        |
| 12.5             | 448         | 142    | 57.5  | 348         | 125    |
| 15.0             | 514         |        | 60.0  | 246         |        |
| 17.5             | 560         |        | 62.5  | 155         |        |
| 20.0             | 601         |        | 65.0  | 99          |        |
| 22.5             | 624         |        | 67.5  | 74          | 41     |
| 25.0             | 628         | 286    | 70.0  | 58          |        |
| 27.5             | 622         |        | 72.5  | 46          |        |
| 30.0             | 610         |        | 75.0  | 38          |        |
| 32.5             | 597         |        | 77.5  | 29          |        |
| 35.0             | 583         | 367    | 80.0  | 21          | 11     |
| 37.5             | 568         |        | 82.5  | 14          |        |
| 40.0             | 559         |        | 85.0  | 8           |        |
| 42.5             | 555         |        | 87.5  | 3           |        |
|                  |             |        | 90.0  | 0           |        |

| ZONAL LUMENS AND PERCENTAGES |        |        |             |
|------------------------------|--------|--------|-------------|
| ZONE                         | LUMENS | % LAMP | % LUMINAIRE |
| 0-30                         | 454    | 18.92  | 25.78       |
| 0-40                         | 820    | 34.19  | 46.59       |
| 0-60                         | 1585   | 66.05  | 90.01       |
| 0-90                         | 1761   | 73.38  | 100.00      |
| 40-90                        | 940    | 39.19  | 53.41       |
| 60-90                        | 175    | 7.33   | 9.99        |
| 90-180                       | 0      | .00    | .00         |
| 0-180                        | 1761   | 73.38  | 100.00      |

\*\* EFFICIENCY = 73.4% \*\*

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

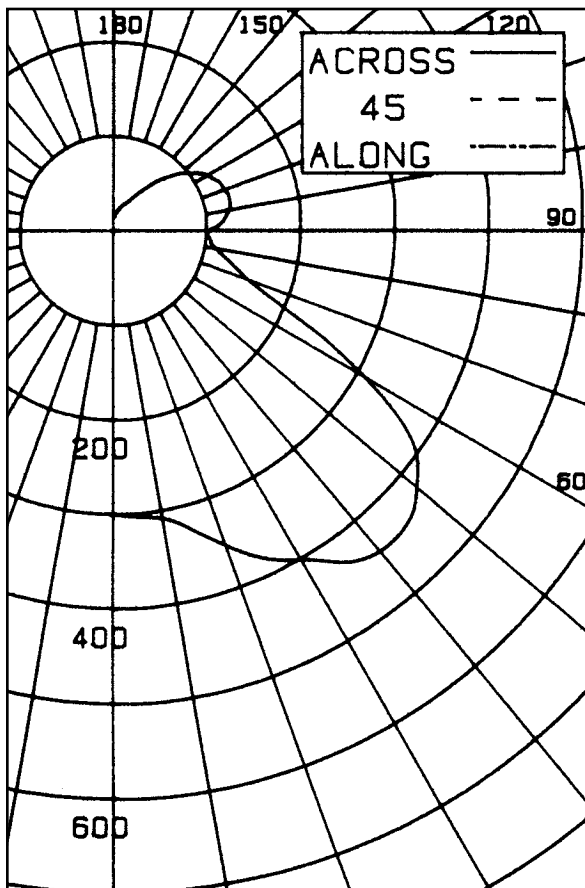
### Job Information

### Type:

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| Multiple Units (32W Triple Tube, CFL) |                         |                      |                   |
|---------------------------------------|-------------------------|----------------------|-------------------|
| Spacing on Center                     | Height to Lighted Plane | Initial Foot-candles | Watts Per Sq. Ft. |
| 6'                                    | 6'                      | 62                   | 1.00              |
|                                       | 12'                     | 54                   |                   |
| 8'                                    | 6'                      | 35                   | 0.56              |
|                                       | 12'                     | 30                   |                   |
| 10'                                   | 6'                      | 22                   | 0.36              |
|                                       | 12'                     | 19                   |                   |

Based on 60" x 60" room with 80% ceiling cavity, 50% wall and 20% floor reflectances. Height is from bottom of fixture to lighted plane.



Spacing Ratio = 2.0

| COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD |     |     |     |     |     |     |     |     |     |     |     |     |
|-------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| %EFFECTIVE FLOOR CAVITY REFLECTANCE = .20       |     |     |     |     |     |     |     |     |     |     |     |     |
|                                                 | 80  |     |     | 70  |     |     | 50  |     |     | 30  |     |     |
|                                                 | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  |
| 1                                               | .93 | .89 | .85 | .88 | .84 | .81 | .80 | .77 | .74 | .72 | .69 | .67 |
| 2                                               | .81 | .74 | .68 | .77 | .71 | .66 | .69 | .65 | .60 | .63 | .59 | .55 |
| 3                                               | .70 | .62 | .56 | .67 | .60 | .54 | .61 | .55 | .50 | .55 | .50 | .46 |
| 4                                               | .62 | .54 | .47 | .59 | .52 | .45 | .54 | .47 | .42 | .48 | .43 | .39 |
| 5                                               | .54 | .46 | .39 | .52 | .44 | .38 | .47 | .41 | .36 | .43 | .37 | .33 |
| 6                                               | .48 | .39 | .33 | .46 | .38 | .32 | .42 | .35 | .30 | .38 | .32 | .28 |
| 7                                               | .42 | .34 | .28 | .40 | .32 | .27 | .37 | .30 | .25 | .33 | .27 | .23 |
| 8                                               | .51 | .38 | .30 | .36 | .28 | .23 | .33 | .26 | .21 | .30 | .24 | .20 |
| 9                                               | .47 | .34 | .26 | .32 | .25 | .20 | .29 | .23 | .18 | .27 | .21 | .17 |
| 10                                              | .43 | .31 | .23 | .29 | .22 | .17 | .26 | .20 | .16 | .24 | .18 | .14 |

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES

| Illuminance (FC) Multipliers |                          |
|------------------------------|--------------------------|
| For Incandescent             | For Compact Fluorescent: |
| 100 Watt = 0.07              | 26 Watt = 0.7            |
| 150 Watt = 1.2               | 42 Watt = 1.3            |

CERTIFIED TEST REPORT NO. 0770FR  
COMPLETED BY LSI PROGRAM \*\*TEST-LITE\*\*

LIGHTOLIER COMPACT FLUORESCENT PENDANT FIXTURE CAT. #4073U3/40431/416DK/416DG  
16 1/4" DIA. ACRYLIC REFRACTOR WITH 20" 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               | 300         |        | 95    | 118         | 127    |
| 5                | 304         | 30     | 100   | 126         |        |
| 10               | 309         |        | 105   | 128         | 135    |
| 15               | 327         | 94     | 110   | 126         |        |
| 20               | 354         |        | 115   | 123         | 122    |
| 25               | 382         | 176    | 120   | 116         |        |
| 30               | 401         |        | 125   | 106         | 95     |
| 35               | 428         | 267    | 130   | 93          |        |
| 40               | 442         |        | 135   | 78          | 61     |
| 45               | 441         | 339    | 140   | 63          |        |
| 50               | 423         |        | 145   | 49          | 31     |
| 55               | 389         | 339    | 150   | 38          |        |
| 60               | 308         |        | 155   | 31          | 15     |
| 65               | 21          | 222    | 160   | 27          |        |
| 70               | 154         |        | 165   | 23          | 7      |
| 75               | 129         | 139    | 170   | 19          |        |
| 80               | 111         |        | 175   | 15          | 2      |
| 85               | 103         | 115    | 180   | 14          |        |
| 90               | 103         |        |       |             |        |

| ZONAL LUMENS AND PERCENTAGES |        |        |             |
|------------------------------|--------|--------|-------------|
| ZONE                         | LUMENS | % LAMP | % LUMINAIRE |
| 0-30                         | 297    | 2.41   | 12.91       |
| 0-40                         | 564    | 23.52  | 24.47       |
| 0-60                         | 1241   | 51.71  | 53.80       |
| 0-90                         | 1761   | 71.50  | 74.39       |
| 40-90                        | 1151   | 47.98  | 49.91       |
| 60-90                        | 474    | 19.79  | 20.59       |
| 90-180                       | 590    | 24.62  | 25.61       |
| 0-180                        | 2307   | 96.12  | 100.00      |

\*\* EFFICIENCY = 96.1% \*\*

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

### Job Information

### Type:

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