

Pendalyte™
SpecDec

LIGHTOLIER®

CANLYTE

PENDALYTE

A family of unique,
industrial-styled
SpecDec pendants
delivering powerful
downlighting for
high-ceiling spaces.



Lightolier SpecDec... Inspiring Intelligent Expression

SpecDec luminaires let you transform creative insights into stunning lighting configurations. Featuring bold lines, exclusive materials and specification-grade lighting technology, SpecDec

models bring out the best in any space. They include a wide range of architectural pendants, sconces, close-to-ceiling and surface-mounted fixtures engineered for durability, performance

and distinctive visual appeal. Showcase your talent for enhancing commercial and institutional interiors. Draw on the *Inspiring Intelligent Expression* of Lightolier SpecDec luminaires.

AT A GLANCE

Elegant

Two-piece extruded aluminum Power Head with removable door for easy ballast access (one-piece element on 6-1/2" version). Longer version (shown with Titanium finish on right) accommodates CFL dimming ballasts and ballasts for new high-lumen CFL lamps. Choice of textured Grey (shown on left) or Titanium baked enamel finish available with most luminaires.

Deco Suspension Kits add high-tech ambience to modern interiors. Kits feature mounting hardware, plated suspension arms, Grey/Black straight and coiled cord with matching Grey/Titanium canopy. Deco disks ordered separately.

Pendalyte compact forms come with 12" or 16" apertures and feature two types of lamp shields: a reflector with a semi-specular aluminum exterior and low iridescent interior finish for 100% downlight (shown here) and a clear acrylic refractor with prismatic ribs (shown below) delivering about 75% downlight in a wide beam. These 12" and 16" Pendalytes accept a range of accessories, including trim ring, louvers and lenses (see page 16).

Deco Pendalytes are available in 12" and 16" compact forms (left side photos), as well as in 9" regular formats (right side photos) featuring aluminum reflectors or glass diffusers. Deco disks come in a choice of Soda Lime Glass with etched center (shown here), Clear Acrylic with etched center or perforated metal disk with inner and outer black rubber edging.

The variety of Suspension Systems provides added design flexibility:

- 1) Grey/Titanium stem and canopy.
- 2) Grey/Black power cords (kits include both straight and coiled) with matching Grey/Titanium canopy, plus 1/16" stainless steel cable.
- 3) Direct to Ceiling Kit (Grey only) available for most 12" and 16" Pendalyte models.
- 4) Grey/Titanium Extension Kits also available.

Glass diffusers for 6-1/2", 9" and 12" Pendalytes come in Cobalt Blue (shown here), Amber and White Opal. They feature a soft etched exterior and a matte white fritted glaze interior, allowing the luminaire to glow gently while directing most of the light downwards.

For a more diffuse look akin to brushed metal, Pendalyte is available with a satined aluminum reflector (shown here) featuring a low iridescent interior finish on 6-1/2", 9" and 12" models, which produces 100% downlight in a well-controlled beam. Also available on 9" Pendalyte and 9" Deco Pendalyte: an anodized aluminum reflector with semi-specular exterior finish.

Versatile

- Two timeless forms
- Four aperture sizes
- Six lamp shield finishes
- Multiple suspension options
- Dozens of attractive combinations to meet your specific lighting needs and preferences

Specification-Ready

Apertures: 6-1/2", 9", 12", 16".

Light Distribution: Totally Direct or Direct/Indirect (80/20).

Dampness Resistance: Every Pendalyte is cULus listed for damp locations.

Lamping: Incandescent (A21), Compact Fluorescent (TTT/PL-H), Metal Halide (ED17).

Ballasting: Electronic, electronic dimming and digitally controlled network-compatible ballasts.

Applications: Commercial and institutional high-ceiling spaces including retail stores, supermarkets, community centers, schools and public transportation terminals.

Selector Guide

6-1/2" Performance Pendalyte **Page 5**



9" Pendalyte **Page 6**
9" Deco Pendalyte **Page 6**



12" Performance Pendalyte **Page 8**



12" Pendalyte **Page 10**
12" Deco Pendalyte **Page 10**



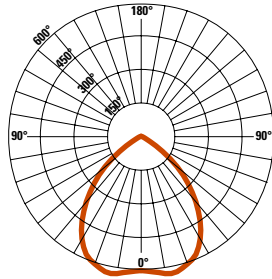
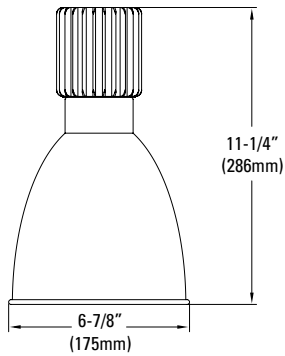
16" Pendalyte **Page 12**
16" Deco Pendalyte **Page 12**



	Incandescent	Compact Fluorescent	Metal Halide	Cross Blade Louver	Bottom Lens
	✓	✓			
	✓	✓			
		✓*	✓		✓
	✓	✓**	✓	✓	✓
	✓	✓**	✓	✓	✓

* PL-H lamp available.
 **Multi-lamp available.





Coefficients of Utilization			
RF	20%	RC	80%
RW	70	50	30
RCR			
1	.60	.58	.57
3	.53	.49	.46
5	.46	.41	.37
7	.40	.34	.30
10	.32	.26	.22

Report No. 2597FR SR = 1.3

Cat.# 406U2/416SR, 32W CFL Lamp, 2400 Lumens.

For photometric details, consult pages 14-15 or visit www.canlyte.com for the appropriate product spec sheet.

Pendalyte 6-1/2" Performance



6-1/2" Pendalyte with Satined Aluminum Reflector

Features

Power Head Housing: One-piece extruded aluminum.

Reflector: High purity, 16 gauge aluminum. Exterior satined and anodized. Interior low iridescent Comfort Clear™ anodized.

Glass Diffusers: Made of pressed glass with soft etched exterior and matte white interior frit.

Suspension: Power cord with Grey/Black finish (can be field shortened), matching Grey/Titanium canopy.

Lampholders

Incandescent: Medium Base, Porcelain, Nickel Plated, Screw Shell.

Compact Fluorescent: Universal for 4-Pin, 26/32 watt base: GX24q-3.



6-1/2" Pendalyte with Amber Glass Diffuser



6-1/2" Pendalyte with White Opal Glass Diffuser



6-1/2" Pendalyte with Cobalt Blue Glass Diffuser

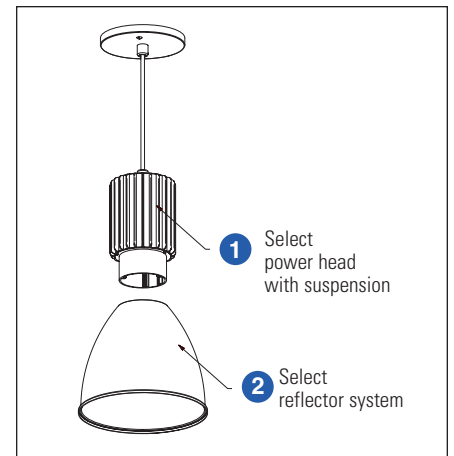
1 Power Heads & Suspension

Cat. No.	Lamp	Watts	Volts	Ballast	Suspension	Finish	Options
Incandescent/CFL (Single Lamp)							
406151	Incandescent A21	150	120	N/A	Straight Cord	Titanium	N/A
406U2	CFL Triple Tube 4-Pin	26/32	120/277	Electronic	Straight Cord	Titanium	N/A

No options available.

2 Reflectors / Glass Diffusers

Cat. No.	Description
416SR	Satin Aluminum Reflector
416WH	White Opal Glass Diffuser
416BL	Cobalt Blue Glass Diffuser
416AB	Amber Glass Diffuser



All units are cULus listed, suitable for damp locations.

Complete fixture consists of
Power Head/Suspension + Reflector
(Example) Order each separately

406U2	+	416SR
1		2

Pendalyte

9" and 9" Deco



9" Deco Pendalyte with Semi-Specular Aluminum Reflector

Features

Power Head Housing: Two-piece extruded aluminum. Removable door allows for ease of installation and servicing.

Reflector: High purity, 16 gauge anodized aluminum. Exterior satined or semi-specular. Interior low iridescent Comfort Clear™ anodized.

Glass Diffusers: Made of pressed glass with soft etched exterior and matte white interior frit.

Adjustment: (1) Griplock fitting allows for height and leveling adjustment after installation.

Suspension: Cord and Cable Mounting Kits are supplied with both straight and coiled power cords, 1/16" stainless steel support cable, steel canopy. Suspension kits can be field shortened.

Lampholders

Incandescent: Medium Base, Porcelain, Nickel Plated, Screw Shell.

Compact Fluorescent: Universal for 4-Pin, 26/32 watt base: GX24q-3; 42 watt base: GX24q-4.

Power Head Options (Add Suffix to Cat. No.)

MX1 = Mark X Dimming 26/32/42W, 120V only*

MX2 = Mark X Dimming 26/32/42W, 277V only*

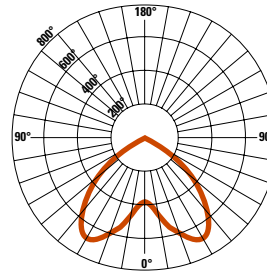
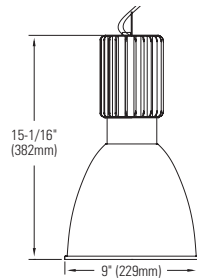
E3 = 347V

DA = DALI (Digital Addressable Lighting Interface)†

*2-wire, neutral connection required at dimming control.

†DALI requires a 5-wire Suspension and is an open communication protocol used by multiple control and ballast manufacturers for digital control. Part of the Lightolier iGEN Product Series.

9"

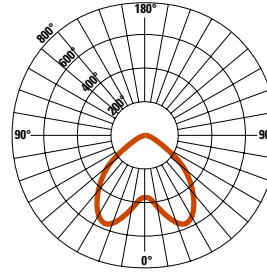
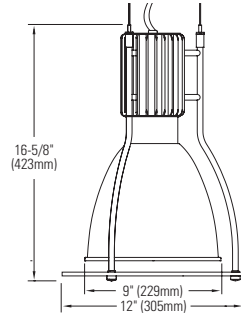


Coefficients of Utilization			
RF	20%	RC	80%
RW	50	30	10
RCR			
1	.70	.68	.67
3	.58	.54	.51
5	.48	.43	.40
7	.39	.34	.30
10	.28	.23	.20

Report No. 0599FR SR = 1.9

Cat.# 40471U3/40411, 32W CFL Lamp, 2400 Lumens.

9" Deco



Coefficients of Utilization			
RF	20%	RC	80%
RW	50	30	10
RCR			
1	.61	.59	.57
3	.49	.45	.42
5	.40	.36	.33
7	.33	.28	.25
10	.24	.20	.17

Report No. 0600FR SR = 1.7

Cat.# 40471U3/40411/409DK/409DG, 32W CFL Lamp, 2400 Lumens.

For photometric details, consult pages 14-15 or visit www.canlyte.com for the appropriate product spec sheet.



9" Deco Pendalyte with Satined Aluminum Reflector



9" Pendalyte with Satined Aluminum Reflector



9" Pendalyte with Semi-Specular Aluminum Reflector



9" Pendalyte with Amber Glass Diffuser



9" Pendalyte with White Opal Glass Diffuser



9" Pendalyte with Cobalt Blue Glass Diffuser



9" Deco Pendalyte with Amber Glass Diffuser

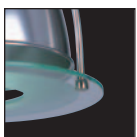


9" Deco Pendalyte with White Opal Glass Diffuser



9" Deco Pendalyte with Cobalt Blue Glass Diffuser

Optional Deco Disks



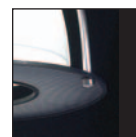
409DG

Glass Disk: 12" diameter Soda Lime Glass with 9-1/2" diameter etched area around a 4" diameter center opening.



409DA

Acrylic Disk: 12" diameter Clear Acrylic with 9-1/2" diameter etched area around a 4" diameter center opening.



409PM

Perforated Metal Disk: Features square edged inner and outer black rubber bands. Available in Satin Aluminum with a 12" diameter around a 5-3/8" diameter center opening.

Ordering Options

1 Power Heads

Cat. No.	Lamp	Watts	Ballast	Volts	Finish	Options
Incandescent/CFL (Single Lamp)						
4046151	Incandescent A21	150	N/A	120	Grey	N/A
4046151TM	Incandescent A21	150	N/A	120	Titanium	N/A
40471U3	CFL Triple Tube 4-Pin	26/32/42	Electronic	120/277	Grey	MX1, MX2, DA†, E3
40471U3TM	CFL Triple Tube 4-Pin	26/32/42	Electronic	120/277	Titanium	MX1, MX2, DA†, E3

2 Reflectors / Glass Diffusers

Cat. No.	Description
40411	Semi-Specular Aluminum Reflector
40413	Satin Aluminum Reflector
409WH	White Opal Glass Diffuser
409BL	Cobalt Blue Glass Diffuser
409AB	Amber Glass Diffuser

3 Suspension Systems

Suspension Kits

Cat. No.	Canopy	Cord & Stem
404S36	Grey	36" Length 5/8" Grey Stem
404S36B	Titanium	36" Length 5/8" Titanium Stem
404S60	Grey	60" Length 5/8" Grey Stem
404S60B	Titanium	60" Length 5/8" Titanium Stem
404S120	Grey	120" Length 5/8" Grey Stem
404SKG	Grey	Grey Cable/Cord & Cable/Coiled Cord, 120" Length
404SKB	Titanium	Black Cable/Cord & Cable/Coiled Cord, 120" Length

Direct to Ceiling Kits

Cat. No.	Canopy	Used With
4912CTCGR	Grey	Standard 9" Pendalyte and 12" Performance Pendalyte
4912CTCTM	Titanium	Standard 9" Pendalyte and 12" Performance Pendalyte

Optional Extension Kits

Cat. No.	Finish	Description
404EXT300*	Grey	25' Extension Cable/Cord Kit
404EXTB*	Black	25' Straight Cable/Cord Extension Kit
404EXT300B5†	Black	5-wire, 25' Cord/Cable
404EXT300G5†	Grey	5-wire, 25' Cord/Cable
404SG5†	Grey	120" 5-wire Straight Cord
404SB5†	Black	120" 5-wire Straight Cord

*Use with Standard Cord or Deco Suspension Kits.

Deco Suspension Accessories

3a Deco Kits*

Cat. No.	Finish	Description
409DK	Grey	Deco Assembly & Mounting Kit
409DK5†	Grey	Deco Assembly & Mounting Kit, 5-wire Straight Cord
409DKTM	Titanium	Deco Assembly & Mounting Kit
409DKTM5†	Titanium	Deco Assembly & Mounting Kit, 5-wire Straight Cord

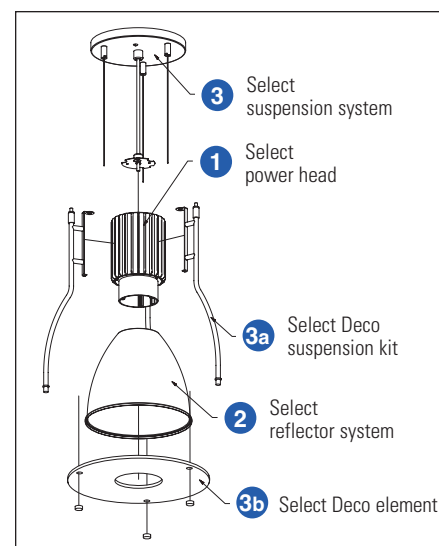
3b Deco Disks

Cat. No.	Description
409DA	Acrylic Deco Disk
409DG	Glass Deco Disk
409PM	Perforated Metal Deco Disk

*Deco Kit includes Arms & Suspension Systems.

Pendalyte

9" and 9" Deco



All units are cULus listed, suitable for damp locations.

Complete fixture consists of
Power Head + Reflector + Suspension
 (Example) Order each separately

9"

40471U3	+	40411	+	404SKG
1		2		3

9" Deco

40471U3	+	40411	+	409DK + 409DG
1		2		3a + 3b



Direct to Ceiling

†DALI requires a 5-wire Suspension and is an open communication protocol used by multiple control and ballast manufacturers for digital control. Part of the Lightolier iGEN Product Series.

Pendalyte

12" Performance



12" Performance Pendalyte with Satined Aluminum Reflector

Features

Power Head Housing: Two-piece extruded aluminum. Removable door allows for ease of installation and servicing. Textured Titanium baked enamel finish.

Reflector: High purity, 16 gauge aluminum. Exterior satined and anodized. Interior low iridescent Comfort Clear™ anodized.

Glass Diffusers: Made of pressed glass with soft etched exterior and matte white interior frit.

Adjustment: (1) GripLock fitting allows for height and leveling adjustment after installation.

Suspension: Cable and Cord Mounting Kits are supplied with both straight and coiled power cords, 1/16" stainless steel support cable, steel canopy. Suspension kits can be field shortened.

Lampholders

Compact Fluorescent: Universal for 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.

Metal Halide: Medium Base, Porcelain, 4kV Pulse Rated. Extended neck. Open downlight only.

Power Head Options (Add Suffix to Cat. No.)

MX1 = Mark X Dimming 26/32/42W, 120V only*

MX2 = Mark X Dimming 26/32/42W, 277V only*

E3 = 347V

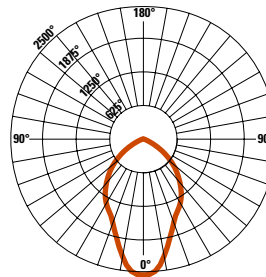
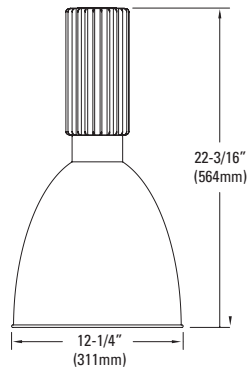
F1 = Fuse 120V

DA = DALI (Digital Addressable Lighting Interface)†

*2-wire, neutral connection required at dimming control.

†DALI requires a 5-wire Suspension and is an open communication protocol used by multiple control and ballast manufacturers for digital control. Part of the Lightolier iGEN Product Series.

Version for CFL dimming and high-lumen CFL ballasts



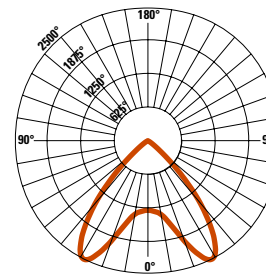
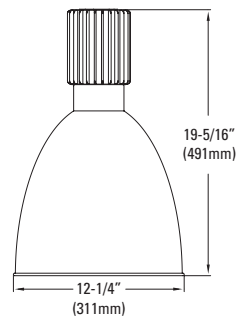
Cat.# 41270U/42SR, 70W CFL Lamp, 5200 Lumens.

Coefficients of Utilization

RF	20%	RC	80%
RW	70	50	30
RCR			
1	.76	.74	.72
3	.67	.62	.58
5	.59	.52	.48
7	.51	.44	.39
10	.42	.34	.29

Report No. 2606FR SR = .8

HID and standard CFL version



Cat.# 412H70/42SR, 70W ED17 Lamp, 5700 Lumens.

Coefficients of Utilization

RF	20%	RC	80%
RW	70	50	30
RCR			
1	.77	.75	.73
3	.69	.64	.60
5	.61	.55	.50
7	.53	.46	.41
10	.42	.35	.30

Report No. 2601FR SR = 1.4

For photometric details, consult pages 14-15 or visit www.canlyte.com for the appropriate product spec sheet.



12" Performance Pendalyte with Amber Glass Diffuser



12" Performance Pendalyte with White Opal Glass Diffuser



12" Performance Pendalyte with Cobalt Blue Glass Diffuser

Ordering Options

1 Power Heads

Cat. No.	Lamp	Watts	Ballast	Volts	Finish	Options
CFL (Single Lamp)						
412U3*	CFL Triple Tube 4-Pin	26/32/42	Electronic	120/277	Titanium	MX1, MX2, DA [†] , E3
41257U	CFL Triple Tube 4-Pin	57	Electronic	120/277	Titanium	MX1, MX2, E3
41270U	CFL Triple Tube 4-Pin	70	Electronic	120/277	Titanium	MX1, MX2, E3
High-Lumen CFL (Single Lamp)						
41285U*	CFL PL-H	85	Electronic	120/277	Titanium	N/A
HID (Single Lamp)						
412H70**	Metal Halide ED17	70	Electronic	120	Titanium	F1

*The power head is longer for CFL dimming ballasts and ballasts designed for 85W High-Lumen PL-H Lamps.

**Must be used with Satin Aluminum Reflector (42SR) and Industrex Glass Lens (421G)

2 Reflectors / Glass Diffusers

Cat. No.	Description	Reflector Option
Cat. No.	Description	Used With
42AB	Amber Glass Diffuser	421G
42BL	Cobalt Blue Glass Diffuser	Industrex Glass Lens
42SR	Satin Aluminum Reflector	42SR
42WH	White Opal Glass Diffuser	

3 Suspension Systems

Suspension Kits

Cat. No.	Canopy	Description
404S36	Grey	36" Length 5/8" Grey Stem
404S36B	Titanium	36" Length 5/8" Titanium Stem
404S60	Grey	60" Length 5/8" Grey Stem
404S60B	Titanium	60" Length 5/8" Titanium Stem
404S120	Grey	120" Length 5/8" Grey Stem
404SKB	Titanium	Black Cable/Cord & Cable/Coiled Cord, 120" Length
404SKG	Grey	Grey Cable/Cord & Cable/Coiled Cord, 120" Length

Direct to Ceiling Kits

Cat. No.	Canopy	Used With
4912CTCGR	Grey	Standard 9" Pendalyte and 12" Performance Pendalyte
4912CTCTM	Titanium	Standard 9" Pendalyte and 12" Performance Pendalyte

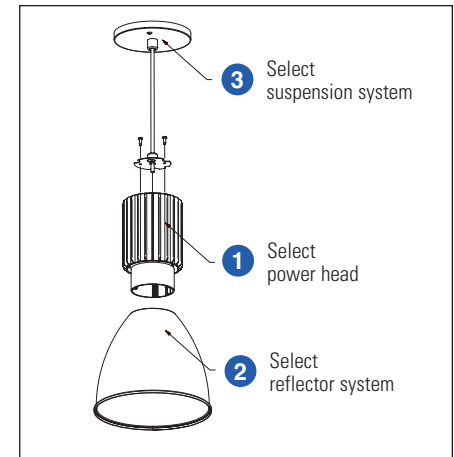
Optional Extension Kits

Cat. No.	Finish	Description
404EXT300*	Grey	25' Extension Cable/Cord Kit
404EXT300B [†]	Black	5-wire, 25' Cord/Cable
404EXT300G [†]	Grey	5-wire, 25' Cord/Cable
404EXTB*	Black	25' Extension Cable/Cord Kit
404SG5 [†]	Grey	120' 5-wire Straight Cord
404SB5 [†]	Black	120' 5-wire Straight Cord

*Use with Standard Cord or Deco Suspension Kits

Pendalyte

12" Performance



All units are cULus listed, suitable for damp locations.

Complete fixture consists of			
Power Head	+	Reflector	+ Suspension
(Example)		Order each separately	
41257U	+	42SR	+ 404SKB
1		2	3

[†]DALI requires a 5-wire Suspension and is an open communication protocol used by multiple control and ballast manufacturers for digital control. Part of the Lightolier iGEN Product Series.



Direct to Ceiling

Pendalyte

12" and 12" Deco



12" Deco Pendalyte with Acrylic Refractor

Features

Power Head Housing: Two-piece extruded aluminum. Removable door allows for ease of installation and servicing. Textured Grey baked enamel finish.

Reflector: High purity, 16 gauge aluminum. Exterior semi-specular anodized. Interior low iridescent Comfort Clear™ anodized.

Refractor: Injection molded acrylic, UV stabilized.

Adjustment: (1) Griplock fitting allows for height and leveling adjustment after installation.

Suspension: Cord and Cable Mounting Kits are supplied with both straight and coiled power cords, 1/16" stainless steel support cable, steel canopy. Suspension kits can be field shortened.

Lampholders

Incandescent: Medium Base, Porcelain, Nickel Plated, Screw Shell.

Compact Fluorescent: Universal for 4-Pin, 26/32 watt base: GX24q-3; 42 watt base: GX24q-4; 57 watt base: GX24q-5; 70 watt base: GX24q-6.

Metal Halide: Medium Base, Porcelain, 4kV Pulse Rated.

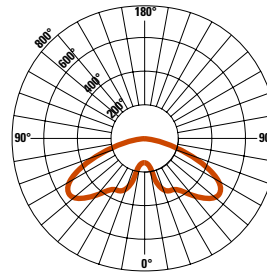
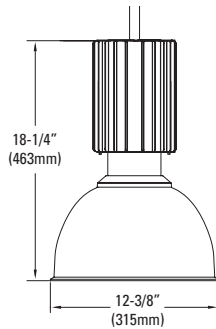
Power Head Options (Add Suffix to Cat. No.)

- A** = Auxiliary Ltg. Halogen 100W
DC Bayonet Base 120V
- MX1** = Mark X Dimming 26/32/42W, 120V only*
- MX2** = Mark X Dimming 26/32/42W, 277V only*
- E3** = 347V
- F1** = Fuse 120V
- F2** = Fuse 277V
- DA** = DALI (Digital Addressable Lighting Interface)†
- D2** = Dimming 26W, 120V only

*2-wire, neutral connection required at dimming control.

†DALI requires a 5-wire Suspension and is an open communication protocol used by multiple control and ballast manufacturers for digital control. Part of the Lightolier iGEN Product Series.

12"



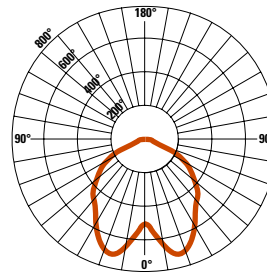
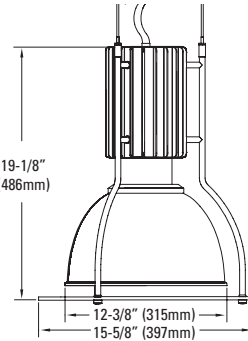
Coefficients of Utilization

RF	20%	RC	80%
RW	50	30	10
RCR			
1	.84	.80	.77
3	.61	.54	.48
5	.46	.37	.33
7	.34	.26	.20
10	.24	.16	.12

Report No. 0555FR SR = 3.3

Cat.# 40472U3/40421/404S36, 32W CFL Lamp, 2400 Lumens.

12" Deco



Coefficients of Utilization

RF	20%	RC	80%
RW	50	30	10
RCR			
1	.79	.76	.74
3	.63	.58	.54
5	.51	.45	.41
7	.41	.35	.31
10	.31	.25	.21

Report No. 0607FR SR = 1.5

Cat.# 40472U3/40421/412DK/412DG, 32W CFL Lamp, 2400 Lumens.

For photometric details, consult pages 14-15 or visit www.canlyte.com for the appropriate product spec sheet.



12" Pendalyte with Semi-Specular Aluminum Reflector

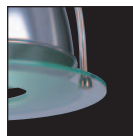


12" Deco Pendalyte with Semi-Specular Aluminum Reflector



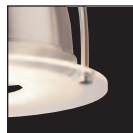
12" Pendalyte with Acrylic Refractor

Optional Deco Disks



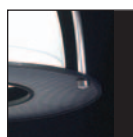
412DG

Glass Disk: 15-5/8" diameter Soda Lime Glass with 12-1/2" diameter etched area around a 5" diameter center opening.



412DA

Acrylic Disk: 15-5/8" diameter Clear Acrylic with 12-1/2" diameter etched area around a 5" diameter center opening.



412PM

Perforated Metal Disk: Features square edged inner and outer black rubber bands. Available in Satin Aluminum with a 15-1/2" diameter around a 6-7/8" diameter center opening.

Optional Glare Control Accessories

For Bottom Lens and Cross Blade Louver information refer to page 16. Decorative Trim Ring also available.

Pendalyte

16" and 16" Deco



16" Deco Pendalyte with Semi-Specular Aluminum Reflector

Features

Power Head Housing: Two-piece extruded aluminum. Removable door allows for ease of installation and servicing. Textured grey baked enamel finish.

Reflector: High purity, 16 gauge aluminum. Exterior semi-specular anodized. Interior low iridescent Comfort Clear™ anodized.

Refractor: Injection molded acrylic, UV stabilized.

Adjustment: (1) Griplock fitting allows for height and leveling adjustment after installation.

Suspension: Cord and Cable Mounting Kits are supplied with both straight and coiled power cords, 1/16" stainless steel support cable, steel canopy. Suspension kits can be field shortened.

Lampholders

Incandescent: Medium Base, Porcelain, Nickel Plated, Screw Shell.

Compact Fluorescent: Universal for 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.

Metal Halide: Medium Base, Porcelain, 4kV Pulse Rated.

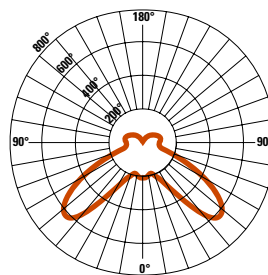
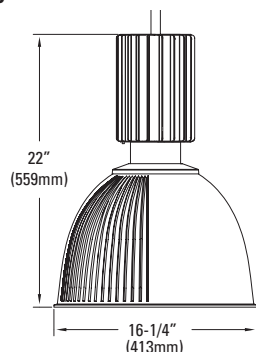
Power Head Options (Add Suffix to Cat. No.)

- A** = Auxiliary Ltg. Halogen 100W
DC Bayonet Base 120V
- MX1** = Mark X Dimming 26/32/42W, 120V only*
- MX2** = Mark X Dimming 26/32/42W, 277V only*
- E3** = 347V
- F1** = Fuse 120V
- F2** = Fuse 277V
- DA** = DALI (Digital Addressable Lighting Interface)†

*2-wire, neutral connection required at dimming control.

†DALI requires a 5-wire Suspension and is an open communication protocol used by multiple control and ballast manufacturers for digital control. Part of the Lightolier iGEN Product Series.

16"



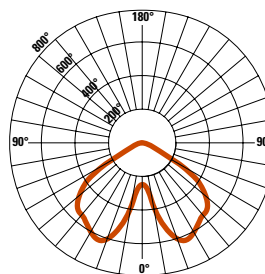
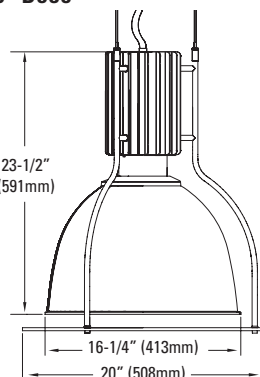
Coefficients of Utilization

RF	20%	RC	80%
RW	50	30	10
RCR			
1	.96	.91	.87
3	.72	.63	.57
5	.54	.45	.38
7	.40	.31	.25
10	.27	.19	.13

Report No. 0553FR SR = 2.8

Cat.# 4073U3/40432/404S36, 32W CFL Lamp, 2400 Lumens.

16" Deco



Coefficients of Utilization

RF	20%	RC	80%
RW	50	30	10
RCR			
1	.79	.76	.74
3	.63	.58	.54
5	.50	.44	.40
7	.39	.33	.29
10	.28	.22	.18

Report No. 0769FR SR = 2.4

Cat.# 4073U3/40431/416DK/416DG, 32W CFL Lamp, 2400 Lumens.

For photometric details, consult pages 14-15 or visit www.canlyte.com for the appropriate product spec sheet.



16" Pendalyte with Semi-Specular Aluminum Reflector

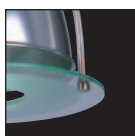


16" Deco Pendalyte with Acrylic Refractor



16" Pendalyte with Acrylic Refractor

Optional Deco Disks



416DG

Glass Disk: 20" diameter Soda Lime Glass with 17" diameter etched area around a 8" diameter center opening.



416DA

Acrylic Disk: 20" diameter Clear Acrylic with 17" diameter etched area around a 8" diameter center opening.



416PM

Perforated Metal Disk: Features square edged inner and outer black rubber bands. Available in Satin Aluminum with a 20" diameter around a 11" diameter center opening.

Optional Glare Control Accessories

For Bottom Lens and Cross Blade Louver information refer to page 16. Decorative Trim Ring also available.

Ordering Options

1 Power Heads

Cat. No.	Lamp	Watts	Ballast	Volts	Finish	Options
Incandescent/CFL (Single Lamp)						
406371	Incandescent A21	150	N/A	120	Grey	N/A
4073U3	CFL Triple Tube 4-pin	26/32/42	Electronic	120/277	Grey	MX1, MX2, DA [†] , E3
407357U	CFL Triple Tube 4-pin	57	Electronic	120/277	Grey	MX1, MX2, E3
407370U	CFL Triple Tube 4-pin	70	Electronic	120/277	Grey	MX1, MX2, E3
407385U	CFL Triple Tube 4-pin	85	Electronic	120/277	Grey	N/A
CFL (Multiple Lamps)						
40734XU3	CFL Triple Tube 4-pin	4x26/32/42	Electronic	120/277	Grey	MX1, MX2, E3
4073257U	CFL Triple Tube 4-pin	2x57	Electronic	120/277	Grey	MX1, MX2, E3
4073270U	CFL Triple Tube 4-pin	2x70	Electronic	120/277	Grey	MX1, MX2, E3
HID (Single Lamp)						
408363*	Metal Halide ED17	100	Magnetic	120/277	Grey	A, F1, F2
408373*	Metal Halide ED17	150	Magnetic	120/277	Grey	A, F1, F2
408383*	Metal Halide ED17	175	Magnetic	120/277	Grey	A, F1, F2

*Note: Magnetically ballasted HID luminaires must be ordered with Lens (431G - 432A - 432G).

2 Reflectors / Refractors

Cat. No.	Description	Reflector/Reflector Options
40431	Semi-Specular Aluminum Reflector	Cat. No. Description Used With
40432	Acrylic Refractor	416WHL Cross Blade Louver, White 40431*
		416GRL Cross Blade Louver, Grey 40431*
		431G Industrex Glass Lens 40431
		432A Flat Acrylic Lens 40432
		432G Flat Industrex Glass Lens 40431
		404TRM16 Trim Ring 40431/40432

*For use with 2- and 4-Lamp CFL Power Heads only.

3 Suspension Systems

Suspension Kits

Cat. No.	Canopy	Cord & Stem
404S36	Grey	36" Length 5/8" Grey Stem
404S36B	Titanium	36" Length 5/8" Titanium Stem
404S60	Grey	60" Length 5/8" Grey Stem
404S60B	Titanium	60" Length 5/8" Titanium Stem
404S120	Grey	120" Length 5/8" Grey Stem
404SKG	Grey	Grey Cable/Cord & Cable/Coiled Cord, 120" Length
404SKB	Titanium	Black Cable/Cord & Cable/Coiled Cord, 120" Length

Direct to Ceiling Kits

Cat. No.	Canopy	Used With
4126CTCGR	Grey	12" and 16" Pendalyte and Deco Pendalyte

Optional Extension Kits

Cat. No.	Finish	Description
404EXT300*	Grey	25' Extension Cable/Cord Kit
404EXTB*	Black	25' Extension Cable/Cord Kit
404EXT300G5 [†]	Grey	5-wire, 25' Cord/Cable
404EXT300B5 [†]	Black	5-wire, 25' Cord/Cable
404SG5 [†]	Grey	120' 5-wire Straight Cord
404SB5 [†]	Black	120' 5-wire Straight Cord

*Use with Standard Cord or Deco Suspension Kits.

Deco Suspension Accessories

3a Deco Kits*

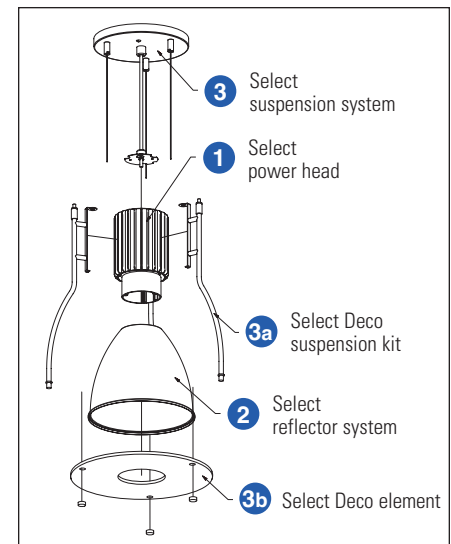
Cat. No.	Finish	Description
416DK	Grey	Deco Assembly Kit
416DK5 [†]	Grey	Deco Assembly & Mounting Kit, 5-wire Straight Cord

*Deco Kit includes Arms & Suspension System.

3b Deco Disks

Cat. No.	Description
416DG	Glass Deco Disk
416DA	Acrylic Deco Disk
416PM	Perforated Metal Deco Disk

Pendalyte 16" and 16" Deco



All units are cULus listed, suitable for damp locations.

Complete fixture consists of
Power Head + Reflector + Suspension
(Example) Order each separately

16"

407357U	+	40432	+	404S36
1		2		3

16" Deco

407357U	+	40431	+	416DK + 416DG
1		2		3a + 3b

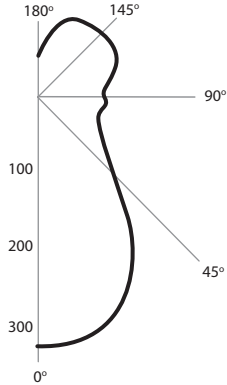
[†]DALI requires a 5-wire Suspension and is an open communication protocol used by multiple control and ballast manufacturers for digital control. Part of the Lightolier iGEN Product Series.



Direct to Ceiling

Photometric Data

6-1/2" White Glass Reflector Catalogue No. 406U2/416WH, 32W CFL, 2400 Lumens.



Report No. 2636FR SR = 1.1

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	%LAMP	%LUMINAIRE
0-30	263	10.98	16.47
0-40	401	16.71	25.06
0-60	609	25.39	38.08
0-90	910	37.94	56.90
40-90	509	21.23	31.83
60-90	301	12.55	18.81
90-180	689	28.74	43.10
0-180	1600	66.68	100.00

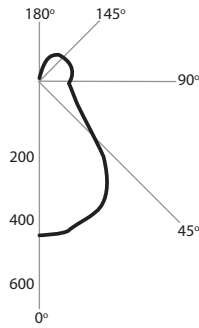
** EFFICIENCY = 66.7% **

COEFFICIENTS OF UTILIZATION

Ceiling	80%				70%				50%				30%			
Wall	70	50	30	10	50	10	50	10	50	10	50	10	50	10	50	10
RCR	Zonal Cavity Method - Effective Floor Reflectance = 20%															
0	.73	.73	.73	.73	.68	.68	.58	.58	.50	.50	.38	.38	.38	.38	.38	.38
1	.65	.62	.58	.56	.57	.52	.49	.45	.42	.49	.29	.29	.29	.29	.29	.29
2	.59	.54	.49	.45	.50	.46	.43	.37	.37	.32	.24	.24	.24	.24	.24	.24
3	.54	.47	.42	.38	.44	.36	.38	.32	.32	.27	.21	.21	.21	.21	.21	.21
4	.50	.42	.37	.33	.40	.31	.34	.27	.29	.24	.18	.18	.18	.18	.18	.18
5	.46	.38	.32	.28	.35	.27	.31	.24	.27	.21	.16	.16	.16	.16	.16	.16
6	.42	.34	.29	.25	.32	.23	.28	.21	.24	.19	.14	.14	.14	.14	.14	.14
7	.39	.31	.25	.22	.29	.21	.25	.19	.22	.16	.13	.13	.13	.13	.13	.13
8	.36	.28	.23	.19	.26	.18	.23	.17	.20	.15	.12	.12	.12	.12	.12	.12
9	.34	.26	.21	.17	.24	.16	.21	.15	.19	.13	.10	.10	.10	.10	.10	.10
10	.32	.24	.19	.15	.22	.15	.20	.13	.17	.12	.09	.09	.09	.09	.09	.09

Determined In Accordance With Current IES Published Procedures
Luminaire Input Watts = 31.0

9" White Glass Reflector Catalogue No. 40471U3TM/409WH, 32W CFL, 2400 Lumens.



Report No. 1416FR SR = 1.9

ZONAL LUMENS AND PERCENTAGES

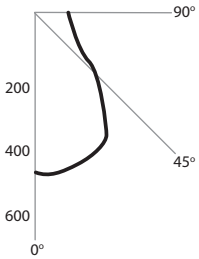
ZONE	LUMENS	%LAMP	%LUMINAIRE
0-30	380	15.86	19.41
0-40	612	25.54	31.25
0-60	962	40.12	49.08
0-90	1313	54.73	66.95
40-90	700	29.19	35.71
60-90	350	14.61	17.88
90-180	648	27.01	33.05
0-180	1961	81.74	100.00

** EFFICIENCY = 81.7% **

COEFFICIENTS OF UTILIZATION

Ceiling	80%				70%				50%				30%			
Wall	50	30	10	50	10	50	10	50	10	50	10	50	10	50	10	0
RCR	Zonal Cavity Method - Effective Floor Reflectance = 20%															
1	.27	.26	.25	.26	.24	.25	.24	.24	.23	.22	.22	.22	.22	.22	.22	.22
2	.24	.22	.21	.23	.21	.22	.20	.22	.20	.19	.19	.19	.19	.19	.19	.19
3	.21	.19	.18	.21	.18	.20	.17	.19	.17	.16	.16	.16	.16	.16	.16	.16
4	.19	.17	.16	.19	.16	.18	.15	.18	.15	.14	.14	.14	.14	.14	.14	.14
5	.17	.15	.14	.17	.14	.16	.13	.16	.13	.13	.13	.13	.13	.13	.13	.13
6	.16	.14	.12	.15	.12	.15	.12	.15	.12	.11	.11	.11	.11	.11	.11	.11
7	.14	.12	.11	.14	.11	.14	.11	.14	.11	.10	.10	.10	.10	.10	.10	.10
8	.13	.11	.10	.13	.10	.12	.09	.12	.09	.09	.09	.09	.09	.09	.09	.09
9	.12	.10	.09	.12	.09	.11	.09	.11	.09	.08	.08	.08	.08	.08	.08	.08
10	.11	.09	.08	.11	.08	.11	.08	.11	.08	.08	.07	.07	.07	.07	.07	.07

9" Amber Glass Reflector Catalogue No. 40471U3TM/409AB, 32W CFL, 2400 Lumens.



Report No. 1415FR SR = 1.9

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	%LAMP	%LUMINAIRE
0-30	285	11.88	36.50
0-40	460	19.18	58.91
0-60	687	28.65	87.99
0-90	781	32.56	100.00
40-90	321	13.38	41.09
60-90	93	3.91	12.01
90-180	0	.00	.00
0-180	781	32.56	100.00

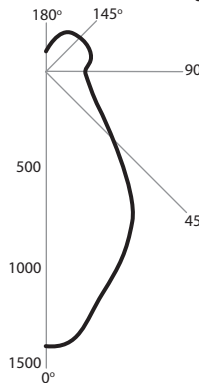
** EFFICIENCY = 32.6% **

COEFFICIENTS OF UTILIZATION

Ceiling	80%				70%				50%				30%			
Wall	50	30	10	50	10	50	10	50	10	50	10	50	10	50	10	0
RCR	Zonal Cavity Method - Effective Floor Reflectance = 20%															
1	.35	.34	.33	.34	.32	.33	.31	.32	.30	.29	.29	.29	.29	.29	.29	.29
2	.32	.30	.28	.31	.28	.30	.28	.29	.27	.26	.26	.26	.26	.26	.26	.26
3	.29	.27	.25	.28	.25	.27	.24	.26	.24	.23	.23	.23	.23	.23	.23	.23
4	.26	.24	.22	.26	.22	.25	.22	.24	.21	.20	.20	.20	.20	.20	.20	.20
5	.24	.21	.19	.23	.19	.23	.19	.22	.19	.18	.18	.18	.18	.18	.18	.18
6	.22	.19	.17	.21	.17	.21	.17	.20	.17	.16	.16	.16	.16	.16	.16	.16
7	.20	.17	.15	.19	.15	.19	.15	.18	.15	.14	.14	.14	.14	.14	.14	.14
8	.18	.16	.14	.18	.14	.17	.14	.17	.14	.13	.13	.13	.13	.13	.13	.13
9	.16	.14	.12	.16	.12	.16	.12	.16	.12	.12	.12	.12	.12	.12	.12	.12
10	.15	.13	.11	.15	.11	.15	.11	.15	.11	.11	.11	.11	.11	.11	.11	.11

Note: Amber Glass and Cobalt Blue Glass have the same Photometrics.

12" Performance White Glass Reflector Catalogue No. 41270U/42WH, 70W CFL, 5200 Lumens.



Report No. 2644FR SR = 1.0

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	%LAMP	%LUMINAIRE
0-30	929	17.88	20.67
0-40	1420	27.31	31.58
0-60	2175	41.84	48.37
0-90	2961	56.95	65.84
40-90	1541	29.64	34.26
60-90	785	15.11	17.47
90-180	1536	29.55	34.16
0-180	4497	86.49	100.00

** EFFICIENCY = 86.5% **

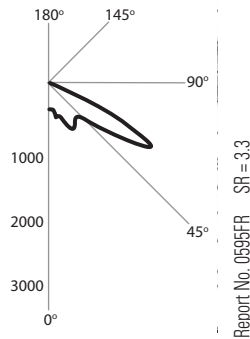
COEFFICIENTS OF UTILIZATION

Ceiling	80%				70%				50%				30%			
Wall	70	50	30	10	50	10	50	10	50	10	50	10	50	10	50	10
RCR	Zonal Cavity Method - Effective Floor Reflectance = 20%															
0	.96	.96	.96	.96	.90	.90	.80	.80	.70	.70	.57	.57	.57	.57	.57	.57
1	.87	.83	.79	.75	.78	.71	.69	.64	.60	.57	.46	.46	.46	.46	.46	.46
2	.79	.73	.67	.62	.68	.59	.61	.53	.53	.48	.39	.39	.39	.39	.39	.39
3	.73	.64	.58	.53	.61	.50	.54	.46	.48	.41	.34	.34	.34	.34	.34	.34
4	.67	.58	.51	.46	.55	.44	.49	.40	.43	.36	.30	.30	.30	.30	.30	.30
5	.62	.52	.45	.40	.49	.38	.44	.35	.39	.32	.27	.27	.27	.27	.27	.27
6	.58	.47	.40	.35	.45	.34	.40	.31	.36	.28	.24	.24	.24	.24	.24	.24
7	.53	.42	.36	.31	.40	.30	.36	.27	.33	.25	.21	.21	.21	.21	.21	.21
8	.50	.39	.32	.27	.37	.26	.33	.25	.30	.23	.19	.19	.19	.19	.19	.19
9	.46	.36	.29	.24	.34	.24	.31	.22	.28	.20	.17	.17	.17	.17	.17	.17
10	.43	.33	.26	.22	.31	.21	.28	.20	.26	.18	.15	.15	.15	.15	.15	.15

Determined In Accordance With Current IES Published Procedures
Luminaire Input Watts = 72.0

Photometric Data

12" Semi-Specular Aluminum Reflector Catalogue No. 4048253/40421/422G, 70W ED17, 4800 Lumens.



ZONAL LUMENS AND PERCENTAGES

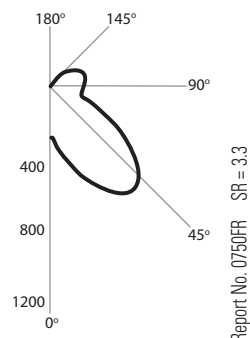
ZONE	LUMENS	%LAMP	%LUMINAIRE
0-30	491	10.23	13.04
0-40	920	19.17	24.43
0-60	2855	59.49	75.80
0-90	3766	78.47	100.00
40-90	2846	59.30	75.57
60-90	911	18.99	24.20
90-180	0	.00	.00
0-180	3766	78.47	100.00

** EFFICIENCY = 78.5% **

COEFFICIENTS OF UTILIZATION

Ceiling	80%	70%	50%	30%	
Wall	50	30	10	50	10
RCR	Zonal Cavity Method - Effective Floor Reflectance = 20%				
Room Cavity Ratio	1	2	3	4	5
	.82	.78	.75	.80	.74
	.77	.72	.73	.70	.66
	.61	.59	.60	.66	.58
	.64	.57	.47	.55	.46
	.48	.59	.48	.57	.47
	.51	.39	.49	.38	.35
	.44	.31	.42	.31	.40
	.37	.25	.37	.24	.34
	.36	.24	.34	.24	.22
	.32	.19	.32	.19	.29
	.19	.31	.19	.29	.17
	.29	.21	.16	.28	.16
	.27	.16	.26	.16	.14
	.26	.18	.13	.25	.13
	.24	.13	.23	.13	.11
	.23	.16	.11	.22	.11
	.22	.11	.22	.11	.09

12" Acrylic Refractor Catalogue No. 404722XU3/40422/422A, 2 x 32W (2400 Lumens/Lamp).



ZONAL LUMENS AND PERCENTAGES

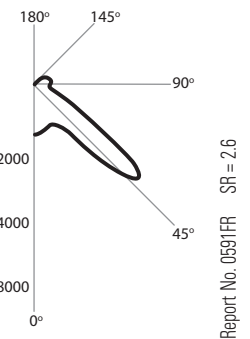
ZONE	LUMENS	%LAMP	%LUMINAIRE
0-30	443	9.25	12.10
0-40	894	18.63	24.39
0-60	1936	40.35	52.80
0-90	2712	56.51	73.96
40-90	1818	37.88	49.58
60-90	776	16.17	21.16
90-180	954	19.89	26.04
0-180	3667	76.41	100.00

** EFFICIENCY = 76.4% **

COEFFICIENTS OF UTILIZATION

Ceiling	80%	70%	50%	30%	
Wall	50	30	10	50	10
RCR	Zonal Cavity Method - Effective Floor Reflectance = 20%				
Room Cavity Ratio	1	2	3	4	5
	.73	.70	.67	.70	.63
	.63	.58	.54	.55	.47
	.49	.43	.37	.48	.39
	.43	.36	.31	.42	.33
	.38	.31	.26	.37	.28
	.36	.25	.33	.23	.30
	.33	.27	.22	.29	.20
	.30	.23	.19	.26	.17
	.26	.18	.13	.24	.13
	.25	.13	.24	.13	.11
	.24	.18	.13	.23	.13
	.23	.13	.21	.12	.19
	.19	.11	.22	.11	.09

16" Acrylic Refractor Catalogue No. 408373/40432/432A/404S36, 150W ED17, 12000 Lumens.



ZONAL LUMENS AND PERCENTAGES

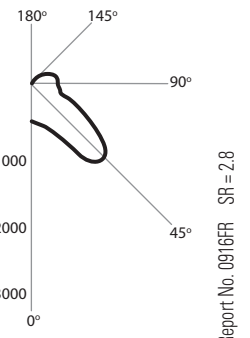
ZONE	LUMENS	%LAMP	%LUMINAIRE
0-30	1145	9.55	10.14
0-40	2342	19.52	20.73
0-60	7532	62.77	66.67
0-90	9302	77.52	82.33
40-90	6960	58.00	61.60
60-90	1769	14.75	15.66
90-180	1996	14.64	17.67
0-180	11298	94.15	100.00

** EFFICIENCY = 94.2% **

COEFFICIENTS OF UTILIZATION

Ceiling	80%	70%	50%	30%	
Wall	50	30	10	50	10
RCR	Zonal Cavity Method - Effective Floor Reflectance = 20%				
Room Cavity Ratio	1	2	3	4	5
	.93	.89	.85	.90	.82
	.82	.75	.70	.78	.68
	.71	.63	.57	.68	.56
	.63	.53	.48	.63	.53
	.58	.46	.39	.55	.44
	.54	.46	.39	.52	.43
	.47	.39	.32	.45	.31
	.42	.30	.25	.36	.24
	.41	.32	.26	.36	.24
	.38	.27	.21	.34	.21
	.32	.20	.17	.32	.20
	.31	.23	.17	.30	.17
	.28	.20	.14	.28	.16
	.26	.14	.24	.13	.22
	.22	.12	.22	.12	.09

16" Acrylic Refractor Catalogue No. 40734XU3/40432/404S36, 4 x 32W CFL (2400 Lumens/Lamp).



ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	%LAMP	%LUMINAIRE
0-30	600	6.25	8.84
0-40	1378	14.35	20.29
0-60	3582	37.31	52.75
0-90	5198	54.15	76.54
40-90	3820	39.79	56.25
60-90	1616	16.83	23.80
90-180	1592	16.59	23.46
0-180	6791	70.74	100.00

** EFFICIENCY = 70.7% **

COEFFICIENTS OF UTILIZATION

Ceiling	80%	70%	50%	30%	
Wall	50	30	10	50	10
RCR	Zonal Cavity Method - Effective Floor Reflectance = 20%				
Room Cavity Ratio	1	2	3	4	5
	.68	.64	.61	.65	.58
	.58	.53	.49	.56	.47
	.50	.44	.39	.48	.38
	.44	.38	.33	.42	.31
	.38	.32	.27	.37	.26
	.34	.27	.22	.32	.21
	.29	.23	.18	.28	.17
	.25	.16	.23	.15	.12
	.26	.20	.15	.25	.15
	.22	.14	.22	.14	.10
	.23	.17	.13	.22	.11
	.20	.11	.19	.10	.18
	.18	.09	.16	.08	.06

Options & Accessories

12" and 16"

Trim Ring



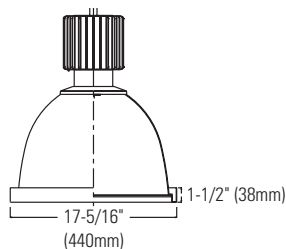
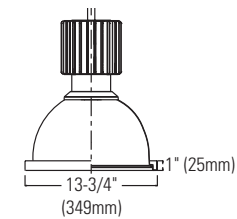
Optional Trim Ring

Adds a substantial edge to the Reflector/Refractor and provides an opportunity for a colour accent bottom to match the Power Head and Canopy. Grey textured powder-coat finish.

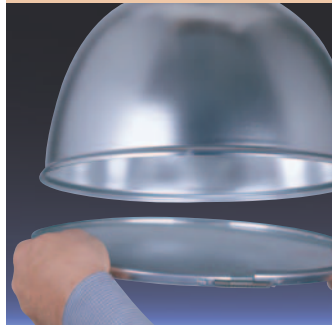
Order as separate Catalogue No.

404TRM12 = 12" Trim Ring

404TRM16 = 16" Trim Ring



Bottom Lens



Clear Industrex® Glass Lenses

Clear Industrex® Textured and Flat Glass Lenses are available to enclose lamp(s) or to shield lamp glare. Lens fits onto Reflector/Refractor by means of a Spring-loaded band.

	Compatibility	
	Reflector	Refractor
Textured Lens	421G = 12"	---
	431G = 16"	---
Flat Lens	---	422G = 12"
	---	432G = 16"

Clear Flat Acrylic Lens

Clear Flat Acrylic Lens is available to enclose lamp(s). Lens fits onto Refractor by means of a Spring-loaded band.

422A = 12" **432A** = 16"

All Metal Halide Luminaires require a lens for lamp protection.

Cross Blade Louver



Cross Blade Louver

A White finished interlocking Aluminum Cross Blade Louver is available to cut down on lamp glare from the Reflector. Cross Blade Louver locks into place by means of a central torsion spring retainer.

For use in Reflectors with 2-lamp and 4-lamp Compact Fluorescent Luminaires only.

412GRL = 12" Grey

416GRL = 16" Grey

412WHL = 12" White

416WHL = 16" White

Application Data

Comparison:

Multiple Compact Fluorescent vs. Single Metal Halide

Lamps	Initial Lumens	Mean Lumens	Life (hours)	Total Watts
2 x 42 TTT	6,400	5,120	10,000	94
1 x 70 ED17	6,200	4,960	10,000	90
4 x 42 TTT	12,800	10,240	10,000	188
1 x 150 ED17	12,500	9,000	10,000	185

Lighting Illuminance (FC) Multipliers*

For Incandescent:	For Compact Fluorescent:	For Metal Halide:
100 W = 0.7	26 W = 0.7	70 W = 2.2
150 W = 1.2	42 W = 1.3	100 W = 3.5
		150 W = 5.2
		175 W = 6.5

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

* Only against data for (1) 32W TTT, compact fluorescent units.

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Lightolier... Inspiring Intelligent Expression

Lightolier helps bring lighting ideas to life in residential, commercial and institutional markets with a complete line of stylish, innovative and energy-efficient luminaires, including Pendalyte and other models in the SpecDec family of luminaires, engineered and manufactured in North America.

Lightolier SpecDec solutions are backed by a nationwide sales force of trained Canlyte representatives offering a wide range of support services. These include computer assisted Genesys III lighting design workstations, which simulate the lighting options and calculations for a given space, and the Lighting Concept Centre, a 7,500 square foot demonstration facility giving lighting professionals the opportunity to see lighting solutions in action.

For more information, contact:

Lightolier

A Canlyte Brand

3015 Louis-Amos
Lachine, QC H8T 1C4
Phone: (514) 636-0670
Fax: (514) 636-0460
Website: www.canlyte.com
Email: info@canlyte.com

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Empowering Success