PHILIPS LIGHTOLIER

Decorative

PS (conical)

Vetro Pendants

Project:

Location:

Cat.No:

Type:

Lamps: Qty:

Notes:

Two-piece cast and machined aluminum outer housing contains electrical components. Hand-blown triplex glass provides an even spread of illumination along the length of the primary glass element.

Power Heads

Series	Wattage	Source	CCT	Finish	Voltage
PS	**01**	**LW**		**SA**	**U**
PS Decorative Pendant	**01** 8W	**LW** LED	**27** 2700K **30** 3000K **35** 3500K **40** 4000K	**SA** Satin Aluminum	**U** Universal 120V/277V

Glass/Acrylic

For LED, CFL & INC configurations.

Inner Element	Outer Element
SG03L 5 1/2" Opal Glass (required for all glass options)	**GLS02** 7 3/8" Clear Glass **GLS03** 7 3/8" Clear and Etched Glass

Complete LED fixture consists of **Power Head** + **Inner Element** + **Outer Element** (optional) + **Suspension Kit**.

Suspension Kits

Featuring fixture matching Satin Aluminum finish.

Series

Clear jacketed steel braided power cord, metal aircraft cable and matching canopy.

SK01 Cable/Cord kit - Includes 3 solid aluminum lobster claws to neatly secure the steel jacketed power cord to the aircraft cable (10ft. length).

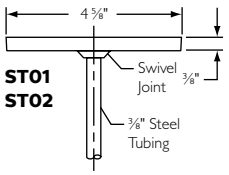
SK02 Cable/Cord kit - Includes 4 solid aluminum lobster claws to neatly secure the steel jacketed power cord to the aircraft cable (25ft. length).

ST01 Stem kit - Stem with matching canopy (3ft. length, 3/8" dia.).

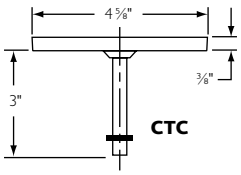
ST02 Stem kit - Stem with matching canopy (5ft. length, 3/8" dia.).

CTC Close-to-Ceiling Kit - Includes matching canopy (3" length).

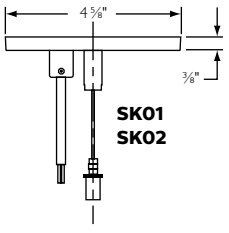
TM01 Track Mounting Kit - Mounts to Lightolier Lytespan Track and includes clear jacketed steel braided power cord and metal aircraft cable (10ft. length).



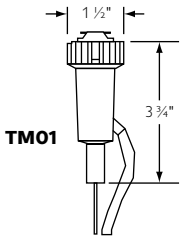
ST01
ST02



CTC



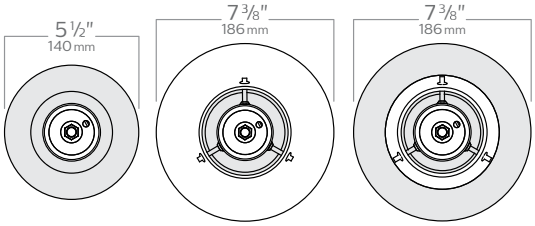
SK01
SK02



TM01

PS Vetro

15 1/8" and 17 1/8" Pendants (conical)



Features

1. **Power Head:** Comprised of die-cast and extruded aluminum components with a brushed clear lacquer finish.
2. **Backplate:** Die Cast Aluminum, Brushed and Clear Lacquer Finish.
3. **Inner Element:** a primary diffuser comprised of Triplex hand blown glass (PG01) or opal acrylic (PA01).
4. **Outer Element:** a 7 3/8" diameter (GLS02) conical section of clear extruded glass with polished edges. A 7 3/8" diameter (GLS03) conical section of clear extruded glass with etched accent and polished edges. All outer assemblies come with a die-cast aluminum holder ring with stainless steel support pins.
5. **Luminaire Mounting:** Luminaire can be suspended from ceiling using clear metallic straight cord/cable with canopy (SK01/SK02), stem with canopy (ST01/ST02), close-to-ceiling (CTC) or track mounting (TM01) suspension kits.

Lamping

LED: 8W Max.

Input Voltage	Input Frequency	LED Drive Current	Input Power	Power Factor
120-277V	50/60Hz	350mA	8W	>0.9

Incandescent: 50W Max. T4 mini-candelabra.

Compact Fluorescent: 13W Max. 4-pin twin tube & quad tube. 26W Max. 4-pin quad tube.

General Electric	Osram/Sylvania	Philips
(1) 13W Twin Tube 4-Pin Compact Fluorescent Lamp**		
N/A	CF13DS/E/*	N/A
(1) 13W Quad Tube 4-Pin Compact Fluorescent Lamp		
F13DBX/SPX*/4P	CF13DD/E/*	PL-C13W/*/4P/ALTO
(1) 26W Quad Tube 4-Pin Compact Fluorescent Lamp		
F26BX/*/EC04P	CF26DD/E/*	PL-C26W/*/4P/ALTO

* Manufacturers color temperature designation.
** Specify Lightolier #56964 (see chart above).

Electrical

Dimming: All configurations are non-dimmable.

LED Board: Array of high brightness white LEDs.
LED Thermal Management: Heat sink design maintains junction temperature for consistent, reliable performance and 50,000 hour lifetime at 70% lumen maintenance.

Incandescent: E11 Base, porcelain, nickel plated copper alloy screw shell.

Compact Fluorescent:
13W Twin tube: 2GX7 Base.
13W Quad tube: G24Q-1 Base.
26W Quad tube: G24Q-3 Base.
All CFL configurations offer high impact thermoset polymers with brass contacts.

CFL Ballasts	13 Watts TT		13 Watts QT		26 Watts QT	
Voltage	120V	277V	120V	277V	120V	277V
Watts (max)	16W	11W	20W	14W	25W	18W
Amps (max)	.136A	.08A	.174A	.114A	.211A	.137A

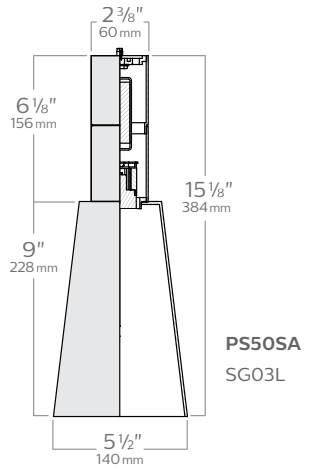
Labels

cULus Listed.
Suitable for damp locations.

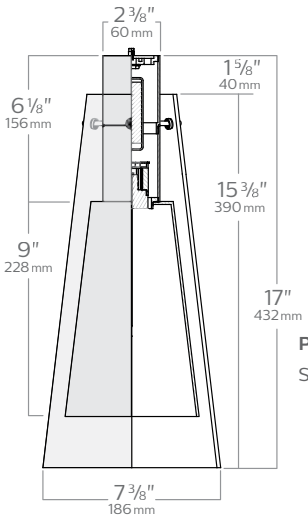
PS Vetro

15 1/8" and 17 1/8" Pendants (conical)

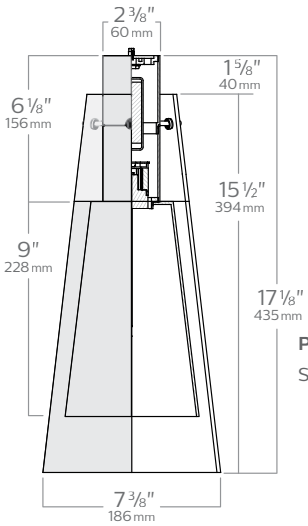
INC dimensions



PS50SA
SG03L



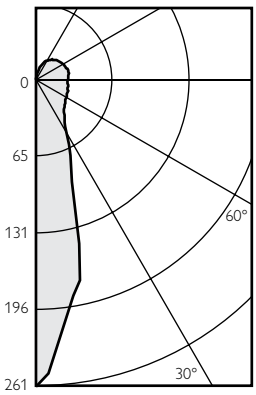
PS50SA
SG03L + GLS02



PS50SA
SG03L + GLS03

PS50SA w/SG03L (with or without GLS02), **50W T4 mini-candelabra, 950 lms**

Candela Curve



Report: 3102FR

Output Lumens:	950 lms
Input Watts:	50 W
Spacing Criterion:	.54

Zonal lumens & percentages

Zone	Lumens	%Lamp	%Fixture
0-30	90.84	9.6	21.7
0-40	118.23	12.4	28.2
0-60	172.67	18.2	41.2
0-90	261.7	27.5	62.5
90-120	88.88	9.4	21.2
90-130	112.89	11.9	27
90-150	145.78	15.3	27
90-180	157.11	16.5	37.5
0-180	418.8	44.1	100

** Efficiency = 44.1% **

Candlepower summary

Angle	Mean CP	Angle	Mean CP
0	261	90	27
5	222	95	28
10	186	100	28
15	144	105	29
20	91	110	29
25	70	115	28
30	53	120	28
35	43	125	27
40	38	130	26
45	34	135	25
50	32	140	23
55	31	145	22
60	30	150	20
65	29	155	18
70	29	160	15
75	28	165	10
80	28	170	4
85	27	175	2
90	27	180	1

Zonal lumen summary

Zone	Lumens
0-10	20.21
10-20	38.5
20-30	32.13
30-40	27.38
40-50	26.65
50-60	27.79
60-70	29.15
70-80	30.01
80-90	29.87
90-100	30.41
100-110	30.55
110-120	27.92
120-130	24.02
130-140	19.1
140-150	13.78
150-160	8.23
160-170	2.88
170-180	.22

Coefficients of utilization

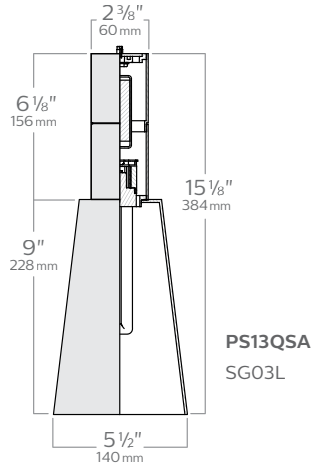
Ceiling	80%				70%		50%		30%		0%
Wall	70	50	30	10	50	10	50	10	50	10	0
Room Cavity Ratio 0	49	49	49	49	45	45	40	40	35	35	28
1	43	41	39	37	38	35	33	30	29	27	21
2	43	41	39	37	38	35	33	30	29	27	21
3	39	35	32	30	33	28	29	25	25	22	17
4	36	31	28	25	29	24	26	21	22	19	15
5	33	28	24	21	26	20	23	18	20	16	13
6	31	25	21	19	24	18	21	16	18	14	12
7	28	23	19	17	22	16	19	14	17	13	10
8	26	21	17	15	20	14	18	13	16	12	10
9	23	18	14	12	17	12	15	11	14	10	8
10	22	17	13	11	16	11	14	10	13	9	8

Zonal cavity method - Effective floor reflect. = 20%
Determined in accordance with current IES
published procedures. Luminaire Input Watts = 50

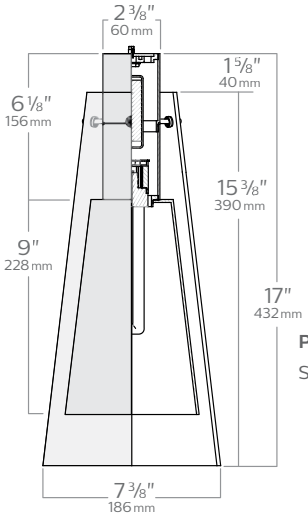
PS Vetro

15 1/8" and 17 1/8" Pendants (conical)

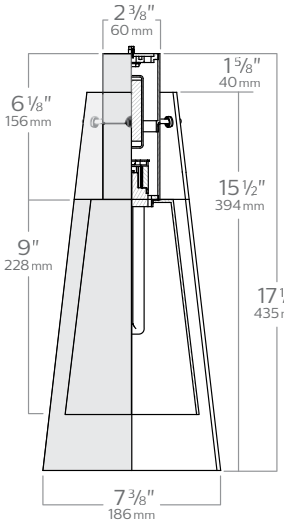
CFL dimensions



PS13QSA
SG03L



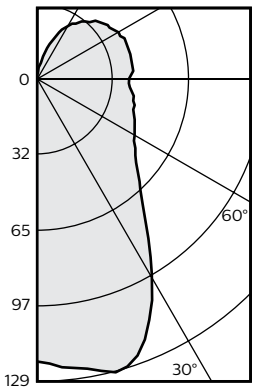
PS132QSA
SG03L + GLS02



PS26SA
SG03L + GLS03

PS13SA w/SG03L (with or without GLS02), 13W 4-Pin Twin Tube, 800 lms

Candela Curve



Report: 3109FR

Output Lumens: 800 lms
Input Watts: 18 W
Spacing Criterion: 1.2

Zonal lumens & percentages

Zone	Lumens	%Lamp	%Fixture
0-30	99.63	12.5	16.6
0-40	151.58	18.9	25.2
0-60	245.15	30.6	40.8
0-90	379.78	47.5	63.2
90-120	127.89	16	21.3
90-130	162 .34	20.3	27
90-150	207.67	26	27
90-180	221.06	27.6	36.8
0-180	600.84	75.1	100

** Efficiency = 75.1% **

Candlepower summary

Angle	Mean CP	Angle	Mean CP
0	120	90	39
5	123	95	41
10	125	100	41
15	129	105	41
20	125	110	41
25	113	115	41
30	98	120	40
35	83	125	38
40	70	130	37
45	62	135	35
50	55	140	32
55	51	145	29
60	48	150	26
65	46	155	22
70	44	160	16
75	43	165	10
80	42	170	5
85	40	175	2
90	39	180	1

Zonal lumen summary

Zone	Lumens
0-10	11.79
10-20	36.08
20-30	51.76
30-40	51.95
40-50	47.76
50-60	45.8
60-70	45.64
70-80	45.22
80-90	43.77
90-100	44.19
100-110	43.37
110-120	40.33
120-130	34.45
130-140	26.87
140-150	18.45
150-160	10.09
160-170	3.03
170-180	.27

Coefficients of utilization

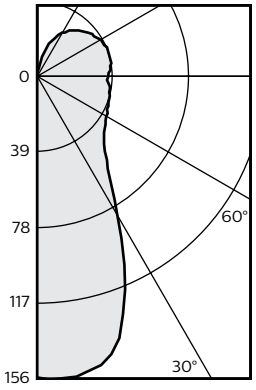
Ceiling	80%				70%		50%		30%		0%
Wall	70	50	30	10	50	10	50	10	50	10	0
0	83	83	83	83	78	78	68	68	59	59	47
1	73	69	65	62	65	58	56	51	49	45	35
2	66	60	54	49	56	47	49	42	42	36	29
3	60	52	46	41	49	39	43	34	37	30	24
4	55	46	39	34	43	33	38	29	33	26	20
5	51	41	34	30	39	28	34	25	30	23	18
6	47	37	30	26	35	25	31	22	27	20	15
7	43	34	27	23	32	22	28	20	25	18	14
8	40	31	24	20	29	19	26	18	23	16	12
9	38	28	22	18	26	17	24	16	21	14	11
10	35	26	20	16	24	16	22	14	19	13	10

Room Cavity Ratio

Zonal cavity method - Effective floor reflect. = 20%
Determined in accordance with current IES
published procedures. Luminaire Input Watts = 18

PS13QSA w/SG03L (with or without GLS02), 13W 4-Pin Quad Tube, 900 lms

Candela Curve



Report: 3106FR

Output Lumens: 900 lms
Input Watts: 15 W
Spacing Criterion: .96

Zonal lumens & percentages

Zone	Lumens	%Lamp	%Fixture
0-30	104.53	11.6	18.8
0-40	146.52	16.3	26.4
0-60	223.38	24.8	40.2
0-90	344.68	38.3	62.1
90-120	120.54	13.4	21.7
90-130	153.2	17	27.6
90-150	196.85	21.9	27.6
90-180	210.54	23.4	37.9
0-180	555.22	61.7	100

** Efficiency = 61.7% **

Candlepower summary

Angle	Mean CP	Angle	Mean CP
0	155	90	37
5	156	95	38
10	154	100	39
15	148	105	39
20	130	110	39
25	107	115	38
30	83	120	38
35	66	125	36
40	56	130	35
45	49	135	33
50	45	140	31
55	43	145	29
60	41	150	26
65	40	155	22
70	39	160	18
75	39	165	11
80	38	170	4
85	37	175	0
90	37	180	0

Zonal lumen summary

Zone	Lumens
0-10	14.85
10-20	40.98
20-30	48.7
30-40	41.99
40-50	38.32
50-60	38.54
60-70	39.94
70-80	40.86
80-90	40.5
90-100	41.19
100-110	41.26
110-120	38.1
120-130	32.66
130-140	25.6
140-150	18.05
150-160	10.29
160-170	3.25
170-180	.15

Coefficients of utilization

Ceiling	80%				70%		50%		30%		0%
Wall	70	50	30	10	50	10	50	10	50	10	0
0	68	68	68	68	64	64	56	56	48	48	38
1	60	57	54	51	53	48	46	42	40	37	29
2	55	49	45	41	46	39	40	34	34	30	23
3	50	43	38	34	40	32	35	29	30	25	20
4	46	38	33	29	36	27	31	25	27	22	17
5	42	34	29	25	32	24	28	21	25	19	15
6	39	31	26	22	29	21	26	19	22	17	13
7	36	28	23	19	27	19	24	17	21	15	12
8	34	26	21	17	24	17	22	15	19	14	11
9	31	24	19	16	22	15	20	14	18	13	10
10	30	22	17	14	21	14	19	13	17	11	9

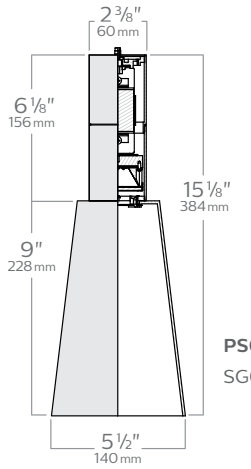
Room Cavity Ratio

Zonal cavity method - Effective floor reflect. = 20%
Determined in accordance with current IES
published procedures. Luminaire Input Watts = 15

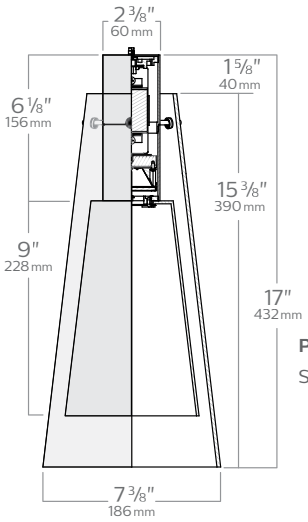
PS Vetro

15 1/8" and 17 1/8" Pendants (conical)

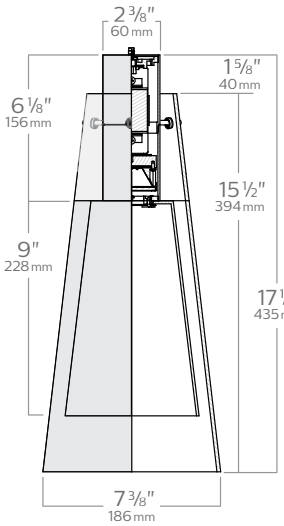
LED dimensions



PS01LW30SAU
SG03L



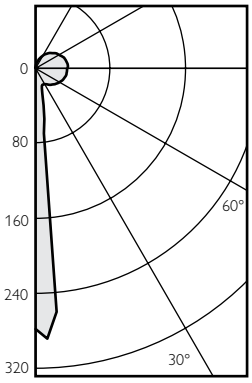
PS01LW35SAU
SG03L + GLS02



PS01LW40SAU
SG03L + GLS03

PS01LW30SAU w/SG03L (with or without GLS02), 8W, 400 lms

Candela Curve



Report[1]: 208GFR

Output Lumens:	356 lms
Input Watts[2]:	7.5 W
Efficacy:	47.5 lm/w
CCT[3]:	3000 K
CRI:	>80 (min)

Zonal lumens & percentages

Zone	Lumens	%Luminaire
0-30	32	9%
0-40	45	13%
0-60	90	25%
0-90	194	54%
90-180	162	46%
0-180	356	100%

Candela Array		Vertical Angles	
Angle	**Mean CP**	**Angle**	**Mean CP**
0	278	90	34
5	261	95	34
10	56	100	34
15	29	105	33
20	21	110	32
25	19	115	30
30	20	120	28
35	21	125	27
40	23	130	25
45	25	135	23
50	27	140	21
55	29	145	18
60	30	150	15
65	31	155	12
70	33	160	8
75	34	165	4
80	34	170	1
85	34	175	0

Coefficients of utilization

Ceiling	80%			70%			50%			0%
Wall	70	50	10	70	50	10	50	30	10	0
Room Cavity Ratio 0	108	108	108	101	101	101	86	86	86	54
1	94	88	82	87	81	76	69	65	61	37
2	84	75	67	77	69	62	58	52	47	28
3	76	64	55	70	59	51	50	44	38	22
4	69	57	47	64	52	44	44	37	32	18
5	63	50	41	58	46	38	39	32	27	15
6	58	45	36	53	41	33	35	28	24	13
7	54	40	31	49	37	29	32	25	20	11
8	50	37	28	46	34	26	29	23	18	10
9	47	34	25	43	31	24	21	21	16	9
10	43	31	23	40	29	22	19	19	15	8

Zonal cavity method - Effective floor reflect. = 20%

1. Tested using absolute photometry as specified in LM79: IESNA Approved Method for the Electrical and Photometric Measurements of Solid-State Lighting Products. Luminaire with glass tested by relative photometric method.
2. Wattage: controlled to within 5%
3. Correlated Color Temperature: within specs as defined in ANSI_NEMA_ANSLG C78.377-20 08: Specifications for the Chromaticity of Solid State Lighting Products.

Philips Lighting, North America Corporation
200 Franklin Square Drive, Somerset, NJ 08873
Tel. 855-486-2216

Imported by: Philips Lighting,
A division of Philips Electronics Ltd.
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