

Silhouette SD

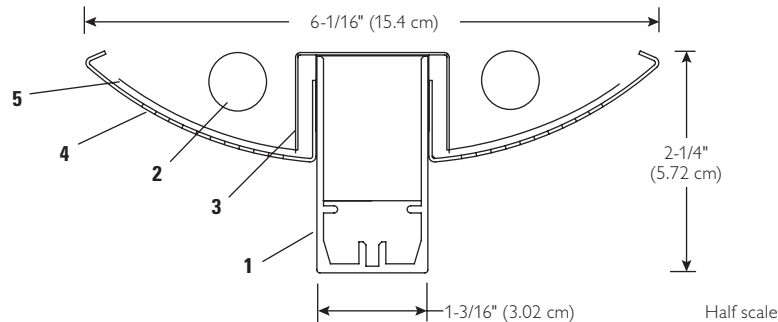
Indirect/Direct pendant, 2 lamp, T5/HO

Page 1 of 3

Catalog number:

Notes:

Type:



Ordering information

| Family | Light source | Length | Type | Wattage | Voltage | Finish | Options |
|---------------|---------------|--------------------------|------------|--------------------------------|----------------------|-----------------------------|--|
| SD | 2 | | J | | | | |
| Silhouette SD | 2 = 2 lamp T5 | 4 = 4 foot 8 = 8 foot | J = Joiner | 28 = 28 watts 54 = 54 watts | 1 = 120v 2 = 277v | WH = White AL = Aluminum | M7 = 0-10v dimming DS = Dual switching X4 = One additional pair of thru wires X5 = Two additional pairs of thru wires |

Features

- Housing:** Extruded aluminum. Die-cast end plate mechanically attached with no exposed fasteners.
- Light source:** Two T5 (28 or 54 watt as specified) fluorescent lamps per 4-foot section. Provided by others. Factory installed lamps optional (consult factory).
- Reflector:** Die-formed specular aluminum reflector.
- Shielding:** Die-formed 18 gauge CRS.
- Diffuser:** Translucent acrylic diffuser.

Electrical

Specify 120 volt or 277 volt. Three conductor, 18 gauge wire. For special circuiting, consult factory. Ballast is class "P" electronic, class "A" sound rating, less than 10% THD, thermally protected, end of lamp life cutoff. Standard ballast dimensions 1-1/8" X 1", 0-10v dimming standard. For other dimming options consult factory. Factory installed ballast disconnect as required by National Electrical code.

Mountings

Cable suspension: 5-1/4" (13.3 cm) diameter canopy powder coated matte white, 1/16" (0.16cm) diameter galvanized steel aircraft cable adjustable up to 48" (122cm). Gripping with cable adjustment. Draw tight connector create hairline seam between joiner modules.

Finish

Powder coated matte white or aluminum finish. Custom colors available, consult factory.

Options and Accessories

L, T, X inline joiner blocks and emergency battery pack available. Consult factory.

Ordering Instructions

Individual Fixtures:

- Order one JOINER MODULE.
- Order one POWER FEED END SET.
- Order one CABLE ASSEMBLY.

Continuous Rows:

- Determine run length.
- Order the appropriate number of JOINER MODULES to complete the run.
- Order one POWER FEED END SET per run.
- Order one CABLE ASSEMBLY per JOINER MODULE.
- For patterns that exceed amperage limits, order the appropriate number of CABLE/CORD FEEDS.

Square/Rectangle Patterns:

- Order appropriate number of JOINER MODULES to complete the pattern size.
- Order number and type of JOINER BLOCKS required.
- Order one CABLE/CORD ASSEMBLY or POWER FEED END SET to power the pattern.
- For patterns that exceed amperage limits, order the appropriate number of CABLE/CORD FEEDS.

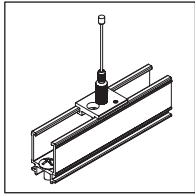
Approvals

Certified to UL, CSA standards.

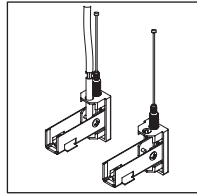
Silhouette SD

Indirect/Direct pendant, 2 lamp, T5/HO

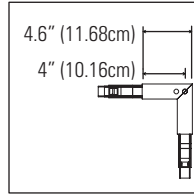
Mounting and Joiner block accessories



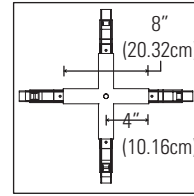
Cable assembly
SC36WW



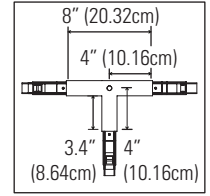
Power feed end set
SE36WH White
SE36AL Aluminum



"L" block with suspension
SL36WH White
SL36AL Aluminum

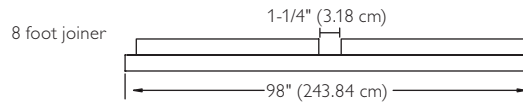
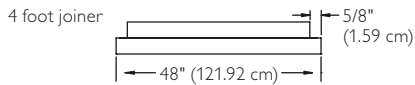


"X" block with suspension
SX36WH White
SX36AL Aluminum

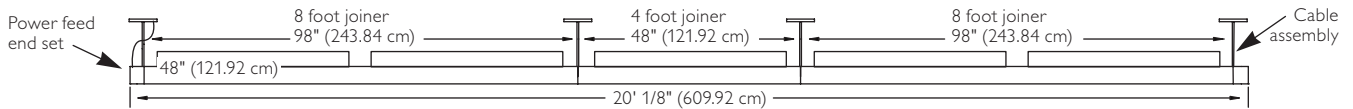


"T" block with suspension
SX36WH White
SX36AL Aluminum

Fixture lengths and mounting locations



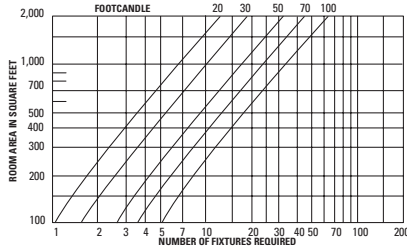
Sample run



Silhouette SD

Indirect/Direct pendant, 2 lamp, T5/HO

Quick calculator and ceiling brightness



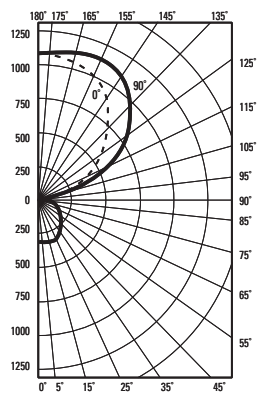
1. Find room area on vertical axis.
2. Move across chart to footcandle curve.
3. Move down to horizontal axis and read number of fixtures required.

| | | | |
|-------------------------------|------|------|------|
| Suspension Length | 12" | 18" | 24" |
| Footlamberts Above Fixture | 209 | 143 | 110 |
| Footlamberts Between Fixtures | 20.7 | 21.1 | 23.9 |
| Ceiling Brightness Ratio | 10.1 | 6.8 | 4.6 |

Reflectance of 80% ceiling, 50% walls and 20% floor. Light loss factor is .85, Room size is 50' x 50', Run Spacing 10'. Ceiling Height 9' to 12'. Values are taken from the center of the room.

Photometry

Candela curve



Efficiency: 82.2%
Lumens: 2900 lm
Lamps: (2) F28T5
Catalog number: SD241281WH
Report number: LRL 299-1F

Candela distribution

| Vertical Angle | Horizontal Angle | | | | |
|----------------|------------------|------|------|------|------|
| | 0 | 22.5 | 45 | 67.5 | 90 |
| 0 | 286 | 286 | 286 | 286 | 286 |
| 5 | 286 | 286 | 289 | 287 | 287 |
| 15 | 281 | 284 | 286 | 286 | 282 |
| 25 | 269 | 270 | 272 | 272 | 272 |
| 35 | 243 | 246 | 247 | 238 | 239 |
| 45 | 204 | 210 | 201 | 198 | 198 |
| 55 | 173 | 172 | 166 | 119 | 172 |
| 65 | 113 | 112 | 125 | 139 | 143 |
| 75 | 71 | 83 | 102 | 117 | 120 |
| 85 | 21 | 46 | 64 | 76 | 80 |
| 95 | 10 | 29 | 47 | 58 | 61 |
| 105 | 47 | 71 | 71 | 73 | 75 |
| 115 | 219 | 314 | 284 | 270 | 256 |
| 125 | 389 | 513 | 555 | 549 | 536 |
| 135 | 582 | 688 | 781 | 823 | 780 |
| 145 | 732 | 810 | 885 | 967 | 974 |
| 155 | 890 | 942 | 1059 | 1097 | 1112 |
| 165 | 1006 | 1029 | 1097 | 1128 | 1142 |
| 175 | 1051 | 1081 | 1104 | 1117 | 1111 |
| 180 | 1088 | 1089 | 1094 | 1096 | 1097 |

Coefficients of utilization (%)

| Ceiling: | 80 | | | 70 | | | 50 | | |
|----------|----|----|----|----|----|----|----|----|----|
| | 70 | 50 | 30 | 70 | 50 | 30 | 50 | 30 | 10 |
| RCR 0 | 82 | 82 | 82 | 73 | 73 | 73 | 55 | 55 | 55 |
| 1 | 75 | 71 | 68 | 66 | 63 | 60 | 48 | 46 | 44 |
| 2 | 68 | 62 | 57 | 60 | 55 | 51 | 42 | 39 | 37 |
| 3 | 62 | 54 | 49 | 54 | 48 | 43 | 37 | 33 | 31 |
| 4 | 57 | 48 | 42 | 50 | 43 | 37 | 32 | 29 | 26 |
| 5 | 52 | 43 | 36 | 45 | 38 | 32 | 29 | 25 | 22 |
| 6 | 47 | 38 | 32 | 42 | 34 | 28 | 26 | 22 | 19 |
| 7 | 44 | 34 | 28 | 38 | 30 | 25 | 23 | 19 | 17 |
| 8 | 40 | 31 | 25 | 36 | 27 | 22 | 21 | 17 | 15 |
| 9 | 37 | 28 | 22 | 33 | 25 | 20 | 19 | 15 | 13 |
| 10 | 35 | 25 | 19 | 31 | 22 | 17 | 17 | 14 | 11 |

Based on a floor reflectance of 0.2

Zonal lumen summary

| Zone | Lumens | % Lamp | % Fixt. |
|--------|--------|--------|---------|
| 0-90 | 979 | 16.9 | 20.5 |
| 90-180 | 3790 | 65.3 | 79.5 |
| 0-180 | 4769 | 82.2 | 100.0 |

Calculations are for 28 watt T5 lamps, for 54 watt T5 lamps multiply by 1.7



Philips Lightolier
 e: lol.webmaster@philips.com
 t: (508) 679-8131, Technical info. (978) 657-7600
 w: www.lightolier.com

SD September 7, 2012

Specifications are subject to change without notice.
 © Koninklijke Philips Electronics N.V., 2012. All rights reserved.