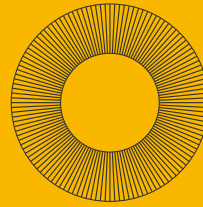


Serpentine 60

SPT60 — LED
62 mm x 80 mm



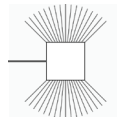
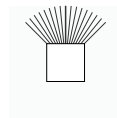
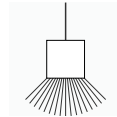
LIGHT FORMS

Arc

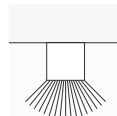
Specification



Suspended



Surface



Features

Individual Fixture,
Continuous Run or
Custom Configuration

Direct/Indirect,
Direct or Indirect
Distribution

Up to 6044 lm/M and
117 lm/W

Four Standard Output
Options

Tunable White and
RGB+W Options

Integral DALI, DMX,
10V or Phase Driver

Dimming Down to 0%

Integral Downlight
Spot Options

Integral Sensor
Options

White, Black, Bronze
or Custom RAL Finish

Custom shapes
available, contact
factory

Photometry and additional documentation at:
LightForms.com/products/arc/serpentine/

Serpentine 60

LIGHT FORMS

SPT60 — Suspended, Surface

INSTRUCTIONS

Digital users: Check selection boxes and fill in fields directly in fillable, interactive PDF, save file, submit to Light Forms.
Manual users: Check selection boxes and fill in fields with pen, scan and save ALL pages as PDF document, submit to Light Forms.

1 Base model / mounting Select ONE

- ☐ SPTS Suspended
☐ SPTSM Surface Mount (direct only)

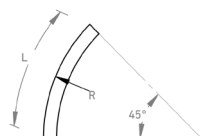
2 Size* Select ONE

Straight Sections



L	Quantity	L	Quantity	L	Quantity
<input type="checkbox"/> 141	<input type="text"/>	<input type="checkbox"/> 913	<input type="text"/>	<input type="checkbox"/> 1638	<input type="text"/>
<input type="checkbox"/> 212	<input type="text"/>	<input type="checkbox"/> 983	<input type="text"/>	<input type="checkbox"/> 1754	<input type="text"/>
<input type="checkbox"/> 281	<input type="text"/>	<input type="checkbox"/> 1054	<input type="text"/>	<input type="checkbox"/> 1824	<input type="text"/>
<input type="checkbox"/> 352	<input type="text"/>	<input type="checkbox"/> 1122	<input type="text"/>	<input type="checkbox"/> 1895	<input type="text"/>
<input type="checkbox"/> 422	<input type="text"/>	<input type="checkbox"/> 1193	<input type="text"/>	<input type="checkbox"/> 1964	<input type="text"/>
<input type="checkbox"/> 493	<input type="text"/>	<input type="checkbox"/> 1263	<input type="text"/>	<input type="checkbox"/> 2035	<input type="text"/>
<input type="checkbox"/> 561	<input type="text"/>	<input type="checkbox"/> 1334	<input type="text"/>	<input type="checkbox"/> 2105	<input type="text"/>
<input type="checkbox"/> 632	<input type="text"/>	<input type="checkbox"/> 1403	<input type="text"/>	<input type="checkbox"/> 2176	<input type="text"/>
<input type="checkbox"/> 702	<input type="text"/>	<input type="checkbox"/> 1474	<input type="text"/>	<input type="checkbox"/> 2244	<input type="text"/>
<input type="checkbox"/> 773	<input type="text"/>	<input type="checkbox"/> 1544	<input type="text"/>	<input type="checkbox"/> 2315	<input type="text"/>
<input type="checkbox"/> 842	<input type="text"/>	<input type="checkbox"/> 1615	<input type="text"/>	<input type="checkbox"/> 2385	<input type="text"/>

1/8 Circle



R	L	Quantity	R	L	Quantity	R	L	Quantity
<input type="checkbox"/> R300	239	<input type="text"/>	<input type="checkbox"/> R1300	1010	<input type="text"/>	<input type="checkbox"/> R2275	1784	<input type="text"/>
<input type="checkbox"/> R400	309	<input type="text"/>	<input type="checkbox"/> R1375	1081	<input type="text"/>	<input type="checkbox"/> R2350	1854	<input type="text"/>
<input type="checkbox"/> R475	377	<input type="text"/>	<input type="checkbox"/> R1450	1151	<input type="text"/>	<input type="checkbox"/> R2450	1924	<input type="text"/>
<input type="checkbox"/> R575	477	<input type="text"/>	<input type="checkbox"/> R1550	1222	<input type="text"/>	<input type="checkbox"/> R2550	1994	<input type="text"/>
<input type="checkbox"/> R650	518	<input type="text"/>	<input type="checkbox"/> R1650	1291	<input type="text"/>	<input type="checkbox"/> R2625	2065	<input type="text"/>
<input type="checkbox"/> R750	588	<input type="text"/>	<input type="checkbox"/> R1750	1363	<input type="text"/>	<input type="checkbox"/> R2700	2135	<input type="text"/>
<input type="checkbox"/> R825	659	<input type="text"/>	<input type="checkbox"/> R1825	1432	<input type="text"/>	<input type="checkbox"/> R2800	2205	<input type="text"/>
<input type="checkbox"/> R925	729	<input type="text"/>	<input type="checkbox"/> R1900	1503	<input type="text"/>	<input type="checkbox"/> R2900	2275	<input type="text"/>
<input type="checkbox"/> R1000	800	<input type="text"/>	<input type="checkbox"/> R2000	1572	<input type="text"/>	<input type="checkbox"/> R3000	2346	<input type="text"/>
<input type="checkbox"/> R1100	870	<input type="text"/>	<input type="checkbox"/> R2100	1634	<input type="text"/>	<input type="checkbox"/> R3075	2416	<input type="text"/>
<input type="checkbox"/> R1200	940	<input type="text"/>	<input type="checkbox"/> R2175	1713	<input type="text"/>			

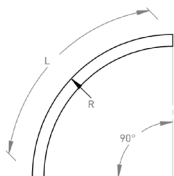
* All sizes shown are in millimetres

Serpentine 60

LIGHT FORMS

SPT60 — Suspended, Surface

1/4 Circle

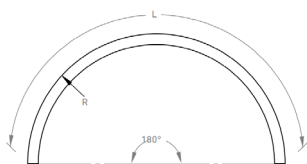


R	L	Quantity
<input type="checkbox"/> R300	478	<input type="text"/>
<input type="checkbox"/> R400	619	<input type="text"/>
<input type="checkbox"/> R475	754	<input type="text"/>
<input type="checkbox"/> R575	894	<input type="text"/>
<input type="checkbox"/> R650	1035	<input type="text"/>
<input type="checkbox"/> R750	1175	<input type="text"/>

R	L	Quantity
<input type="checkbox"/> R825	1318	<input type="text"/>
<input type="checkbox"/> R925	1458	<input type="text"/>
<input type="checkbox"/> R1000	1599	<input type="text"/>
<input type="checkbox"/> R1100	1739	<input type="text"/>
<input type="checkbox"/> R1200	1800	<input type="text"/>
<input type="checkbox"/> R1300	2020	<input type="text"/>

R	L	Quantity
<input type="checkbox"/> R1375	2161	<input type="text"/>
<input type="checkbox"/> R1450	2301	<input type="text"/>
<input type="checkbox"/> R1550	2444	<input type="text"/>
<input type="checkbox"/> R1650	2582	<input type="text"/>

1/2 Circle

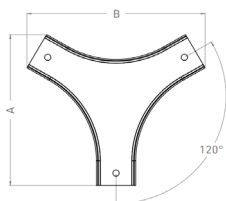


R	L	Quantity
<input type="checkbox"/> R300	955	<input type="text"/>
<input type="checkbox"/> R400	1238	<input type="text"/>
<input type="checkbox"/> R475	1508	<input type="text"/>
<input type="checkbox"/> R575	1788	<input type="text"/>

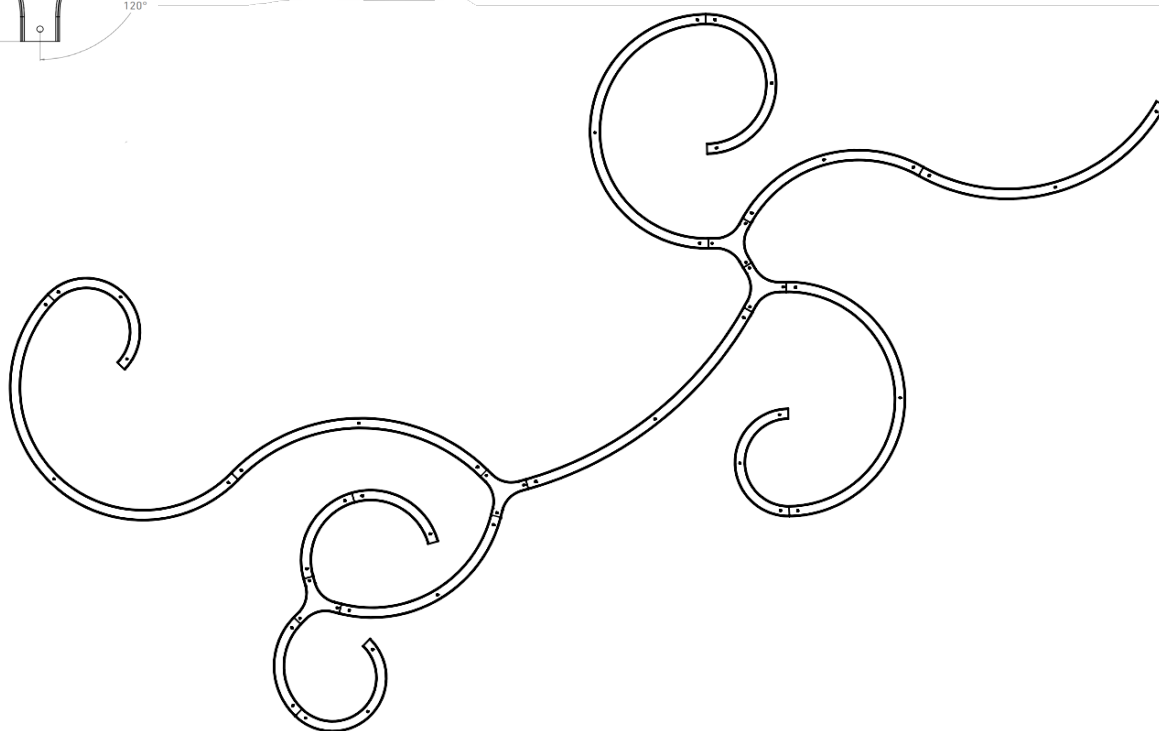
R	L	Quantity
<input type="checkbox"/> R650	2070	<input type="text"/>
<input type="checkbox"/> R750	2350	<input type="text"/>
<input type="checkbox"/> R825	2636	<input type="text"/>
<input type="checkbox"/> R925	2915	<input type="text"/>

R	L	Quantity
<input type="checkbox"/> R1000	3198	<input type="text"/>
<input type="checkbox"/> R1100	3478	<input type="text"/>
<input type="checkbox"/> R1200	3760	<input type="text"/>

Crossing



A	B	Quantity
<input type="checkbox"/> 243	281	<input type="text"/>



*All sizes shown are in millimetres

Serpentine 60

LIGHT FORMS

SPT60 — Suspended, Surface

3

Direct linear lamping & lens

Select NONE or ONE from EVERY category (note exceptions below)

☐ NONE

Select when specifying an INDIRECT-ONLY fixture

Output

☐ MIN

☐ LOW MED[#]

☐ TUNE/LOW*

☐ TUNE/MED*

☐ RGBW[^]

CRI

☐ 80

☐ 90

CCT

☐ 2700K

☐ 3000K

☐ 3500K

☐ 4000K

☐ 5000K

☐ 6500K

Lens

☐ DIFF

☐ PRS

Diffuse (std.)

Clear

Prismatic

[#]UGR19 is a low glare, UGR<19 optics package with low output and prismatic lens. LENS does not apply (leave unchecked).

*For TUNE/LOW and TUNE/MED, CRI and CCT do not apply (leave unchecked).

[^]For RGBW, CRI does not apply (leave unchecked) and select 3000K or 4000K CCT only. White LEDs can remain uncommissioned for RGB-only output.

4

Indirect linear lamping & lens

Select NONE or ONE from EVERY category (note exceptions below)

☐ NONE

Select when specifying an INDIRECT-ONLY fixture

Output

☐ MIN

☐ LOW MED[#]

☐ TUNE/LOW*

☐ TUNE/MED*

☐ RGBW[^]

CRI

☐ 80

☐ 90

CCT

☐ 2700K

☐ 3000K

☐ 3500K

☐ 4000K

☐ 5000K

☐ 6500K

Lens

☐ DIFF

☐ PRS

Diffuse (std.)

Clear

Prismatic

*For TUNE/LOW and TUNE/MED, CRI and CCT do not apply (leave unchecked).

[#]For RGBW, CRI does not apply (leave unchecked) and select 3000K or 4000K CCT only. White LEDs can remain uncommissioned for RGB-only output.

5

Downlight spots*

Select NONE or ONE from EVERY category (note exceptions below)

☐ NONE

Select when specifying linear lamping only

Quantity*

Output

☐ MIN/S

☐ LOW/S

☐ TUNE/S*

☐ RGBW/S[^]

CRI

☐ 80

☐ 90

CCT

☐ 2700K

☐ 3000K

☐ 4000K

Lens

☐ 15 15° spread

☐ 25 25° spread

☐ 40 40° spread

Serpentine 60

LIGHT FORMS

SPT60 — Suspended, Surface

6	Integral driver*	Select ONE
---	------------------	------------

- | | |
|--|---|
| <input type="checkbox"/> NONDIM | Non-dimming |
| <input type="checkbox"/> DALI [#] | DALI driver, dimming down to 1% |
| <input type="checkbox"/> 1/10V | 1-10V, dimming down to 1% |
| <input type="checkbox"/> 0/10V | 0-10V, dimming down to 0% |
| <input type="checkbox"/> DMX [^] | DMX driver, dimming down to 1% |
| <input type="checkbox"/> PHASE | For use with phase-cut triac, IGBT or sine wave dimmer switches |

[#]DALI is required for use with TUNE/S; DALI (or DMX) is required for RGB/S

[^]DMX (or DALI) is required for use with RGB/S

7	Finish*	Select ONE
---	---------	------------

- | | |
|-------------------------------------|---|
| <input type="checkbox"/> AL | Anodised aluminium (standard) |
| <input type="checkbox"/> WH | White powdercoat |
| <input type="checkbox"/> BLK | Black powdercoat |
| <input type="checkbox"/> BZ | Metallic bronze powdercoat |
| <input type="checkbox"/> RAL/ _____ | Custom RAL [#] colour powdercoat, ex: RAL/3000 |

*Contact factory for additional finish options including Interpon, Farrow & Ball and silver and gold plating

[#]See RAL colour options and codes at lightforms.com/products/arc/serpentine/

8	Powerfeed colour	Select ONE
---	------------------	------------

- | | |
|-----------------------------|--|
| <input type="checkbox"/> GP | Grey (standard for suspended, default for other mountings) |
| <input type="checkbox"/> WP | White |
| <input type="checkbox"/> BP | Black |
| <input type="checkbox"/> TP | Transparent |
| <input type="checkbox"/> XP | Custom colour (contact Light Forms for options) |

9	Canopy	Select ONE
---	--------	------------

- | | |
|--------------------------------|--|
| <input type="checkbox"/> NONE | Select NONE when specifying surface mount |
| <input type="checkbox"/> STD | 115 mm canopy for each separate powerfeed and suspension point (standard) |
| <input type="checkbox"/> SMALL | 82 mm canopy for each separate powerfeed and suspension point |
| <input type="checkbox"/> COMBO | 115 mm combo canopy for locations with both a powerfeed and suspension point |

Serpentine 60

LIGHT FORMS

SPT60 — Suspended, Surface

10	Optional add-ons	Select as many as apply
A	EMERGENCY	
<input type="checkbox"/> EM	Remote, 3-hour emergency battery, manual testing	
<input type="checkbox"/> EM/DALI	Remote, 3-hour emergency battery with DALI interface, automatic testing	
<input type="checkbox"/> EC	Emergency circuit	
B	SENSOR	
<input type="checkbox"/> PRES	Remote, PIR presence detector	
<input type="checkbox"/> DALI/PRES	Remote, DALI-compatible PIR presence detector	
<input type="checkbox"/> PHOTO	Remote, photocell/daylight detector	
C	WIRELESS CONTROL	
<input type="checkbox"/> OLP*	Remote, Osram Lightify Pro wireless control module	
	*Must choose DALI option in DRIVER section.	

Serpentine 60

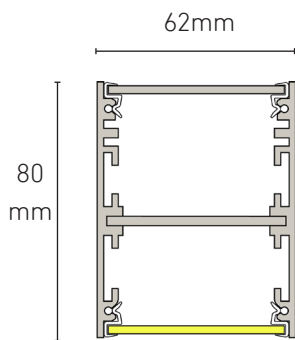
LIGHT FORMS

SPT60 — Suspended, Surface

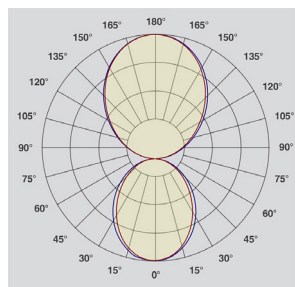
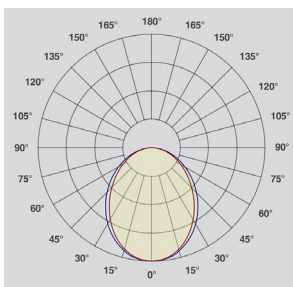
Dimensions

Direct only or indirect only

Fixture is flipped for indirect only



Distribution



Serpentine 60

LIGHT FORMS

SPT60 — Suspended, Surface

Direct inear lighting – options & performance data*

Output Options	Delivered Lumens LM	Watts W	Efficacy LM/W	CRI Options	CCT Options	Lens Options
Min [#]	1145	12	100	80 90	2700K 3000K 3500K 4000K 5000K 6500K	DIFF PRS
Low [#]	1443	13.8	105			
Med [#]	2879	25.9	111			
Tune/Low ^{#^}	Tunable White Low 1177	14	84	80	2700K-6500K	
Tune/Med ^{#^}	Tunable White Medium 1668	22	76	80	2700K-6500K	
RGBW	Colour-Changing RGB+White N/A (entire system) 346 (white only)	19.2 (entire system) 9 (white only)	N/A (entire system) 42 (white only)	N/A (entire system) 80 (white only)	2700K-6500K	

L80 > 50,000 hours

Luminous flux +/- 5%

*Data provided is for the direct channel. Add and divide output numbers as necessary from both direct and indirect charts to calculate direct/indirect performance values.

#Performance data is based on a connected-load photometric test of MED output with 80 CRI at 4000K using a DALI driver and DIFF/D lens. Data values for all other outputs are extrapolations.

^Performance data is extrapolated based on a 4000K setting. Cooler and warmer CCT settings will provide a slight decrease in performance – lower lm/m, higher W/m, and lower lm/W.

LENS options

DIFF is a white satin diffuser lens that produces smooth, even light across the lens surface. PRS is a satin prismatic lens covered with micropisms, that produces even high and lower UGR levels.



Diffuse
DIFF

Prismatic
PRS

Serpentine 60

LIGHT FORMS

SPT60 — Suspended, Surface

Indirect linear lighting – options & performance data*

Output Options	Delivered Lumens LM	Watts W	Efficacy LM/W	CRI Options	CCT Options	Lens Options
Min [#]	1259	12	87	80 90	2700K 3000K 3500K 4000K 5000K 6500K	DIFF PRS
Low [#]	1587	13.8	112			
Med [#]	3165	25.9	104			
Tune/Low ^{#^}	Tunable White Low 1294 (at 4000K)	14	93	80	2700K-6500K	
Tune/Med ^{#^}	Tunable White Medium 1834 (at 4000K)	22	83	80	2700K-6500K	
RGBW	Colour-Changing RGB+White N/A (entire system) 380 (white only)	19.2 (entire system) 9 (white only)	N/A (entire system) 42 (white only)	N/A (entire system) 80 (white only)	2700K-6500K	

L80 > 50,000 hours

Luminous flux +/- 5%

*Data provided is for the direct channel. Add and divide output numbers as necessary from both direct and indirect charts to calculate direct/indirect performance values.

#Performance data is based on a connected-load photometric test of MED output with 80 CRI at 4000K using a DALI driver and DIFF/D lens. Data values for all other outputs are extrapolations.

^Performance data is extrapolated based on a 4000K setting. Cooler and warmer CCT settings will provide a slight decrease in performance – lower lm/m, higher W/m, and lower lm/W.

LENS options

DIFF is a white satin diffuser lens that produces smooth, even light across the lens surface. PRS is a satin prismatic lens covered with micropisms, that produces even high and lower UGR levels.



Diffuse
DIFF



Prismatic
PRS

Serpentine 60

LIGHT FORMS

SPT60 — Suspended, Surface

Downlight spots – options & performance data*

Output Options	Delivered Lumens LM	Watts W	Efficacy LM/W	CRI Options	CCT Options	Beam Degree Options
Min/S [#]	1101	11.6	95	80 90	2700K	15
Low/S [#]	1430	15.9	90		3000K 4000K	25 40
TUNE/S	Contact Light Forms for Options & Details					
TUNE/S	Contact Light Forms for Options & Details					

L80 > 50,000 hours
Luminous flux +/- 5%

#Performance calculations are based on connected-load photometric tests with 80 CRI at 4000K and 40° beam spread.

Spots



Minimum
MIN/S



Low
LOW/S

Contact Light
Forms for
Options &
Details

Tunable White
TUNE/S

Contact Light
Forms for
Options &
Details

RGB
RGB/S

Serpentine 60

LIGHT FORMS

SPT60 — Suspended, Surface

Housing

100% recyclable, extruded architectural grade aluminium with minimum 2mm thickness.

Finish options

Silver, White, Black, Bronze or custom RAL powdercoat. Contact Light Forms for other finish options (Interpon, Farrow & Ball, and silver and gold plating).



Suspension mount canopy options

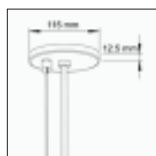
Standard (STD) comprises separate 115 mm powerfeed canopy and cable bullet at powerfeed locations. SMALL comprises separate 85 mm powerfeed canopy and cable bullet at powerfeed locations. COMBO comprises combined 115mm canopy (canopy and cable bullet) at powerfeed locations. All options include cable bullets for non-powerfeed locations.



Standard
STD



Small
SMALL



Combo
COMBO

Integral sensors

Optional, presence (PRES), DALI-compatible PIR presence (DALI/PRES) and daylight harvesting (PHOTO) sensors available. Contact Light Forms for further information.



Integral Downlights

Optional, aimable accent downlight spots deliver up to 1430 lumens with beam spreads from 15° to 40°. Limitations apply. See Downlight Spots chart for further information.



Weight

Approximately 2380 grams per linear metre. Weight will increase with the addition of integral downlights, sensors, and emergency batteries and may vary further depending on mounting and other options.

Operating temperature

Luminaire MUST be installed and operated ONLY in dry or damp environments where the ambient temperature ranges from -20°C to 50°C. Luminaire operation in environments outside this temperature range voids the warranty AND may damage the product or adversely impact lamp life, lumen output and colour consistency.

Warranty

5-year limited warranty.

Manufacturing & certification

Products are manufactured in and comply with the health, safety and environmental protection standards of the respective region in which they are sold.



Europe



United Kingdom



Greater India
and Middle East

Serpentine 60

LIGHT FORMS

SPT60 — Suspended, Surface

Examples of Serpentine 60 in use



Details of installation



Details of installation