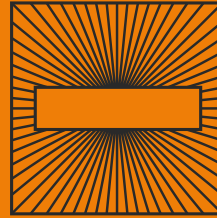


Lightplane 1 Concave

LP1C — LED
50 mm x 71/90 mm



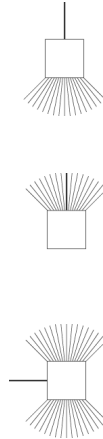
LIGHT FORMS

Linear

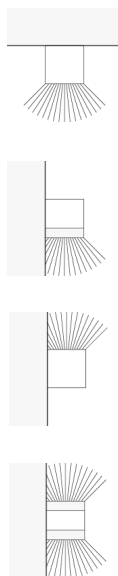
Specification



Suspended



Wall/Surface



Features

Concave Direct Channel
with Recessed Lens Fitting

Individual Fixture,
Continuous Run or
Configured Shape

Direct/Indirect, Indirect or
Direct Distribution

Up to 4780 LM/M and
122 LM/W

Four Standard Output
Options

RGB+W Options

Remote DALI, DMX, 10V or
Phase Driver

Dimming Down to 0%

Remote Sensor Options

Aluminium, White, Black,
Bronze or Custom RAL
Finish

Photometry and additional documentation at:
LightForms.com/products/linear/lightplane-1-concave/

Lightplane 1 Concave

LIGHT FORMS

LP1C — Suspended, Wall 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.

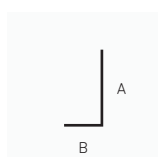
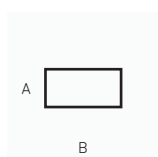
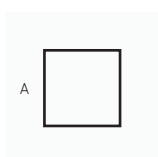
1	Base model / mounting	Select ONE
<input type="checkbox"/> LP1CS	Suspended	
<input type="checkbox"/> LP1CW	Wall	
<input type="checkbox"/> LP1CSM	Surface-Mount (direct only)	
2	Size* Select ONE (linear or shape) and enter required length(s) in metres, ex: STR/20.5, US/9/7/6.5	

Individual or continuous run

Linear		Length A
<input type="checkbox"/> STR	Straight	<input type="text"/>

Configuration

Shape		Length A	Length B	Length C
<input type="checkbox"/> SQ	Square	<input type="text"/>		
<input type="checkbox"/> REC	Rectangle	<input type="text"/>	<input type="text"/>	
<input type="checkbox"/> LL	L - Left	<input type="text"/>	<input type="text"/>	
<input type="checkbox"/> LR	L - Right	<input type="text"/>	<input type="text"/>	
<input type="checkbox"/> CX	Cross	<input type="text"/>	<input type="text"/>	
<input type="checkbox"/> TEE	T - Shape	<input type="text"/>	<input type="text"/>	
<input type="checkbox"/> US	U - Shape	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> ZL	Zed - Left	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> ZR	Zed - Right	<input type="text"/>	<input type="text"/>	<input type="text"/>



Straight

STR

Square

SQ

Rectangle

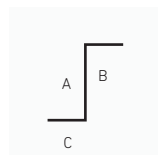
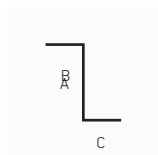
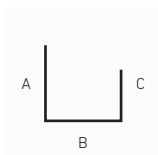
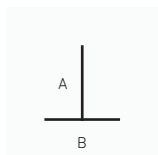
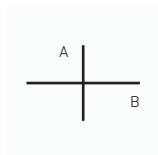
SQ

L-Left

LL

L-Right

LR



Cross

CX

T-Shape

TEE

U-Shape

US

Zed Left

ZL

Zed Right

ZR

* All Shapes are manufactured with 45° angled cuts to form 90° angle joints except CX and TEE which are made and joined using complete, uncut fixtures. Contact Light Forms for additional, custom shape configurations, ex: triangles, octagons, etc.

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Lightplane 1 Concave

LIGHT FORMS

LP1C — Suspended, Wall 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	CRI	CCT	Lens	
<input type="checkbox"/> MIN	<input type="checkbox"/> 80	<input type="checkbox"/> 2700K	<input type="checkbox"/> DIFF	Diffuse (std.)
<input type="checkbox"/> LOW	<input type="checkbox"/> 90	<input type="checkbox"/> 3000K		
<input type="checkbox"/> MED		<input type="checkbox"/> 3500K		
<input type="checkbox"/> HI [#]		<input type="checkbox"/> 4000K		
<input type="checkbox"/> RGBW [^]		<input type="checkbox"/> 5000K		
		<input type="checkbox"/> 6500K		

[#]If HI is selected for direct output, MIN or LOW must be selected for indirect output below. Maximum output is MED/MED.

[^]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	CRI	CCT	Lens	
<input type="checkbox"/> MIN	<input type="checkbox"/> 80	<input type="checkbox"/> 2700K	<input type="checkbox"/> DIFF	Diffuse (std.)
<input type="checkbox"/> LOW	<input type="checkbox"/> 90	<input type="checkbox"/> 3000K		
<input type="checkbox"/> MED		<input type="checkbox"/> 3500K		
<input type="checkbox"/> HI [#]		<input type="checkbox"/> 4000K		
<input type="checkbox"/> RGBW [^]		<input type="checkbox"/> 5000K		
		<input type="checkbox"/> 6500K		

[#]If HI is selected for direct output, MIN or LOW must be selected for indirect output above. Maximum output is MED/MED.

[^]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 Remote 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

*Driver selection applies to direct, indirect and/or downlight spots. Contact Light Forms if separate driver types for each are required.

[#]DALI is required for use with TUNE/LOW and TUNE/MED; DALI (or DMX) is required for RGBW

[^]DMX (or DALI) is required for use with RGBW

Lightplane 1 Concave

LIGHT FORMS

LP1C — Suspended, Wall surface

6	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/RAL

7	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) |

8	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 | 82mm 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 |

9	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 PHOTO Remote, photocell/daylight detector |

C	WIRELESS CONTROL
---	------------------

- | | |
|-------------------------------|--|
| <input type="checkbox"/> OLP* | Remote, Osram Lightify Pro wireless control module |
|-------------------------------|--|

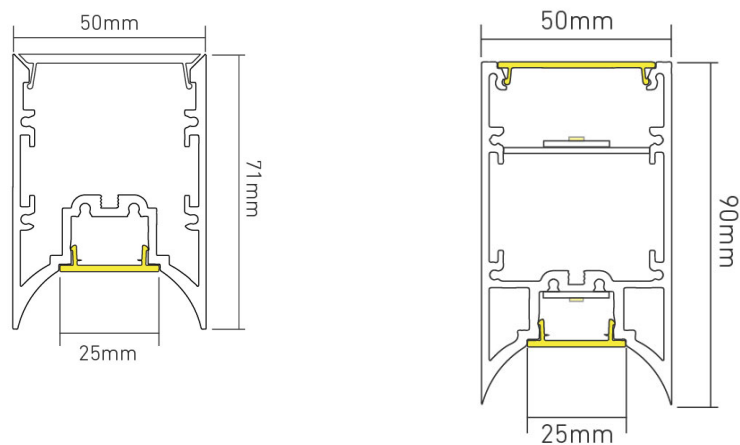
*Must choose DALI option in DRIVER section.

Lightplane 1 Concave

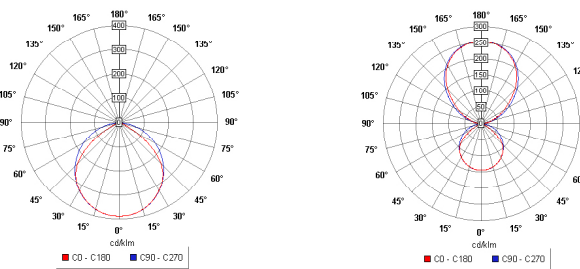
LIGHT FORMS

LP1C — Suspended, Wall surface

Dimensions



Distribution



Lightplane 1 Concave

LIGHT FORMS

LP1C — Suspended, Wall surface

Direct linear lighting – options & performance data*

Output Options	Delivered Lumens* LM/M	WATTS* W/M	EFFICACY* LM/W	CRI Options	CCT OPTIONS	LENS OPTIONS
Min [#]	622	12	52	80 90	2700K 3000K 3500K 4000K 5000K 6500K	DIFF
Low [#]	889	13.4	66			
Med [#]	1734	25	69			
Hi [#]	2630	44.6	59			
RGBW	Colour-Changing RGB+White N/A (entire system) 210 (white only)	19.2 (entire system) 9 (white only)	N/A (entire system) 23 (white only)	N/A (entire system) 80 (white only)	3000K 4000K	

L80 > 50,000 hours

Luminous flux +/- 5%

*Data provided is for either direct OR indirect distribution; performance values are the same for both.

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

LENS options

DIFF is a white satin, flush diffuser lens that produces smooth, even light across the lens surface.



**Diffuse
DIFF**

Lightplane 1 Concave

LIGHT FORMS

LP1C — Suspended, Wall surface

Indirect linear lighting – options & performance data*

Output Options	Delivered Lumens* LM/M	WATTS* W/M	EFFICACY* LM/W	CRI Options	CCT OPTIONS	LENS OPTIONS
Min [#]	1093	12	91	80 90	2700K 3000K 3500K 4000K 5000K 6500K	DIFF
Low [#]	1563	13.4	117			
Med [#]	3046	25	122			
Hi [#]	5033	44.6	113			
RGBW	Colour-Changing RGB+White N/A (entire system) 369 (white only)	19.2 (entire system) 9 (white only)	N/A (entire system) 41 (white only)	N/A (entire system) 80 (white only)	3000K 4000K	

L80 > 50,000 hours

Luminous flux +/- 5%

*Data provided is for either direct OR indirect distribution; performance values are the same for both.

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

LENS options

DIFF is a white satin, flush diffuser lens that produces smooth, even light across the lens surface.



Diffuse
DIFF

Lightplane 1 Concave

LIGHT FORMS

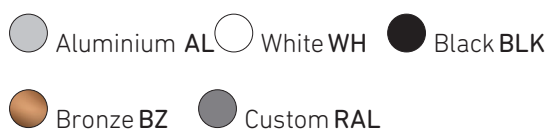
LP1C — Suspended, Wall surface

Housing

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

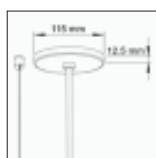
Finish options

Standard finish is "Ultimatte" aluminium - a smooth, clean and durable finish achieved from a deep etch, two-step clear anodising process. Silver, White, Black, Bronze or custom RAL powdercoat. Contact Light Forms for other finish options (Interpon, Farrow & Ball, and silver and gold plating).

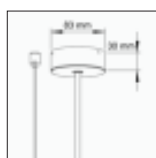


Suspension mount canopy options

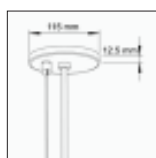
Standard (STD) comprises separate 115 mm powerfeed canopy and cable bullet at powerfeed locations. SMALL comprises separate 85 mm powerfeed canopy and cable bullet at powerfeed locations. COMBO comprises combined 115mm canopy (canopy and cable bullet) at powerfeed locations. All options include cable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



Standard
STD



Small
SMALL



Combo
COMBO

Remote sensors

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

Weight

Approximately 2289 - 2664 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