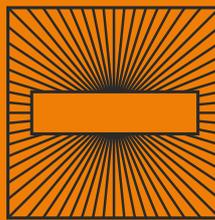


# Lightplane 1 Concave

LP1C — LED  
50 mm x 71/90 mm



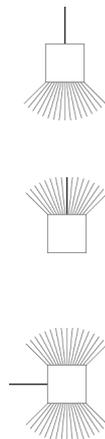
**LIGHT FORMS**

Linear

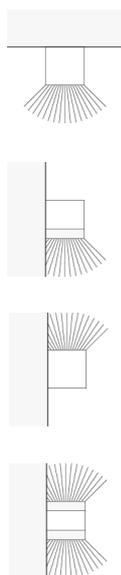
## Specification



## 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/](https://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.

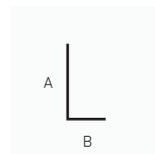
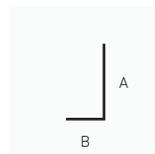
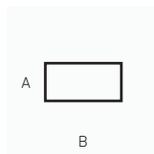
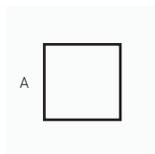
|                          |  |            |
|--------------------------|--|------------|
| <b>1</b>                 | <b>Base model / mounting</b>   | Select ONE |
| <input type="checkbox"/> | <b>LP1CS</b> Suspended   |            |
| <input type="checkbox"/> | <b>LP1CW</b> Wall  |            |
| <input type="checkbox"/> | <b>LP1CSM</b> Surface-Mount (direct only)  |            |
| <b>2</b>                 | <b>Size*</b> 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

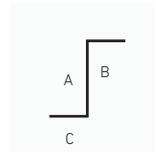
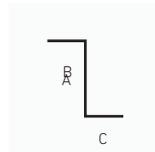
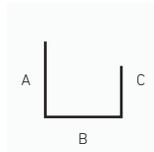
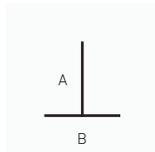
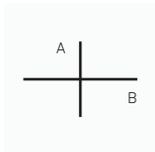
|                          |                     |                      |
|--------------------------|---------------------|----------------------|
| Linear                   |                     | Length A             |
| <input type="checkbox"/> | <b>STR</b> Straight | <input type="text"/> |

### Configuration

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



|                        |                     |                        |                     |                      |
|------------------------|---------------------|------------------------|---------------------|----------------------|
| Straight<br><b>STR</b> | Square<br><b>SQ</b> | Rectangle<br><b>SQ</b> | L-Left<br><b>LL</b> | L-Right<br><b>LR</b> |
|------------------------|---------------------|------------------------|---------------------|----------------------|



|                    |                       |                      |                       |                        |
|--------------------|-----------------------|----------------------|-----------------------|------------------------|
| Cross<br><b>CX</b> | T-Shape<br><b>TEE</b> | U-Shape<br><b>US</b> | Zed Left<br><b>ZL</b> | Zed Right<br><b>ZR</b> |
|--------------------|-----------------------|----------------------|-----------------------|------------------------|

\* 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.

# Lightplane 1 Concave

LIGHT FORMS

LP1C — Suspended, Wall surface

## 3 Direct linear lampping & 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 <sup>#</sup>   |                             | <input type="checkbox"/> 4000K |                               |                |
| <input type="checkbox"/> RGBW <sup>^</sup> |                             | <input type="checkbox"/> 5000K |                               |                |
|  |                             | <input type="checkbox"/> 6500K |                               |                |

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

<sup>^</sup>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 lampping & 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 <sup>#</sup>   |                             | <input type="checkbox"/> 4000K |                               |                |
| <input type="checkbox"/> RGBW <sup>^</sup> |                             | <input type="checkbox"/> 5000K |                               |                |
|  |                             | <input type="checkbox"/> 6500K |                               |                |

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

<sup>^</sup>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

**NONDIM** Non-dimming

**DALI<sup>#</sup>** DALI driver, dimming down to 1%

**1/10V** 1-10V, dimming down to 1%

**0/10V** 0-10V, dimming down to 0%

**DMX<sup>^</sup>** DMX driver, dimming down to 1%

**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.

<sup>#</sup>DALI is required for use with TUNE/LOW and TUNE/MED; DALI (or DMX) is required for RGBW

<sup>^</sup>DMX (or DALI) is required for use with RGBW

# Lightplane 1 Concave

LIGHT FORMS

LP1C — Suspended, Wall surface

6 **Finish\*** Select ONE

---

- AL Anodised aluminium (standard)
- WH White powdercoat
- BLK Black powdercoat
- BZ Metallic bronze powdercoat
- 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](http://lightforms.com/RAL)

7 **Powerfeed colour** Select ONE

---

- GP Grey (standard for suspended, default for other mountings)
- WP White
- BP Black
- TP Transparent
- XP Custom colour (contact Light Forms for options)

8 **Canopy** Select ONE

---

- NONE Select NONE when specifying surface mount
- STD 115 mm canopy for each separate powerfeed and suspension point (standard)
- SMALL 82mm canopy for each separate powerfeed and suspension point
- 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**

- EM Remote, 3-hour emergency battery, manual testing
- EM/DALI Remote, 3-hour emergency battery with DALI interface, automatic testing
- EC Emergency circuit

**B SENSOR**

- PRES Remote, PIR presence detector
- DALI/PRES Remote, DALI-compatible PIR presence detector PHOTO Remote, photocell/daylight detector

**C WIRELESS CONTROL**

- OLP\* Remote, Osram Lightify Pro wireless control module

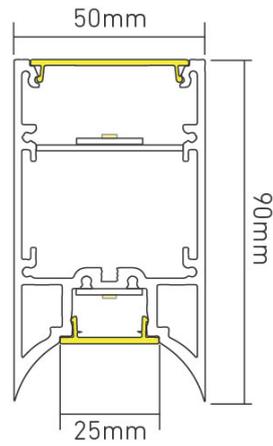
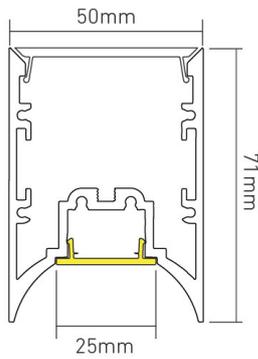
\*Must choose DALI option in DRIVER section.

# Lightplane 1 Concave

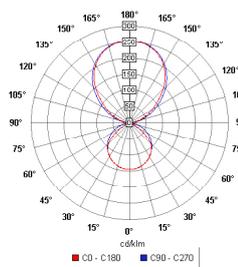
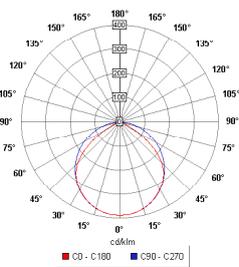
LIGHT FORMS

LP1C — Suspended, Wall surface

## Dimensions



## Distribution



# Lightplane 1 Concave

**LIGHT FORMS**

LP1C — Suspended, Wall surface

## Direct linear lampping – options & performance data\*

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

**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 lamping – options & performance data\*

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

### 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 "Ultimate" 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