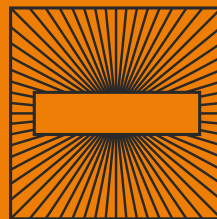


H Beam

H B — LED
62 mm x 150/175 mm



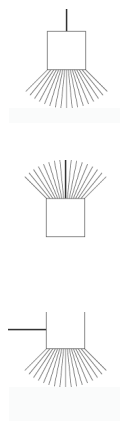
LIGHT FORMS

Linear

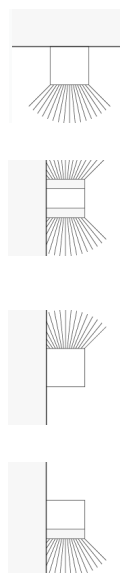
Specification



Suspended



Wall/Surface



Features

Flush or Drop Lens

Individual Fixture,
Continuous Run or
Configured Shape

Direct/Indirect,
Indirect or Direct
Distribution

Up to 8384 LM/M
and 102 LM/W

Four Standard
Output Options

Tunable White,
Low-Glare, RGB and
RGB+W Options

Integral DALI, DMX,
10V or Phase Driver

Dimming Down to 0%

Integral Downlight
Spot Options

Integral Sensor
Options

Aluminium, White,
Black, Bronze or
Custom RAL Finish

Photometry and additional documentation at:
LightForms.com/products/linear/h-beam/

H Beam – HB

LIGHT FORMS

H B — 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

- HBS** Suspended
- HBW** Wall
- HBSM** 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

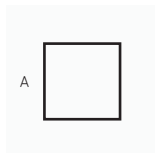
Linear Length A
 STR Straight

Configuration

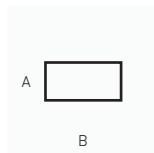
Shape		Length A	Length B	Length C
SQ	Square	<input style="width: 50px;" type="text"/>		
REC	Rectangle	<input style="width: 50px;" type="text"/>	<input style="width: 50px;" type="text"/>	
LL	L - Left	<input style="width: 50px;" type="text"/>	<input style="width: 50px;" type="text"/>	
LR	L - Right	<input style="width: 50px;" type="text"/>	<input style="width: 50px;" type="text"/>	
CX	Cross	<input style="width: 50px;" type="text"/>	<input style="width: 50px;" type="text"/>	
TEE	T - Shape	<input style="width: 50px;" type="text"/>	<input style="width: 50px;" type="text"/>	<input style="width: 50px;" type="text"/>
US	U - Shape	<input style="width: 50px;" type="text"/>	<input style="width: 50px;" type="text"/>	<input style="width: 50px;" type="text"/>
ZL	Zed - Left	<input style="width: 50px;" type="text"/>	<input style="width: 50px;" type="text"/>	<input style="width: 50px;" type="text"/>
ZR	Zed - Right	<input style="width: 50px;" type="text"/>	<input style="width: 50px;" type="text"/>	<input style="width: 50px;" type="text"/>



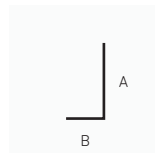
Straight
STR



Square
SQ



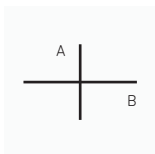
Rectangle
SQ



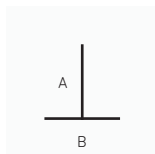
L-Left
LL



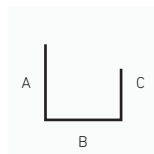
L-Right
LR



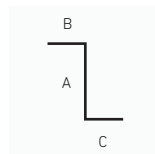
Cross
CX



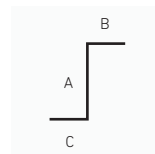
T-Shape
TEE



U-Shape
US



Zed Left
ZL



Zed Right
ZR

H B — 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/F	Diffuse, flush (std.)
<input type="checkbox"/> LOW	<input type="checkbox"/> 90	<input type="checkbox"/> 3000K	<input type="checkbox"/> DIFF/D	Diffuse, drop (std.)
<input type="checkbox"/> MED		<input type="checkbox"/> 3500K	<input type="checkbox"/> FROST	Semi-frosted, flush
<input type="checkbox"/> HI		<input type="checkbox"/> 4000K		
<input type="checkbox"/> UGR19#		<input type="checkbox"/> 5000K		
<input type="checkbox"/> TUNE/LOW*		<input type="checkbox"/> 6500K		
<input type="checkbox"/> TUNE/MED*				
<input type="checkbox"/> RGBW^				

#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 lampping & lens Select NONE or ONE from EVERY category (note exceptions below)

NONE Select when specifying an DIRECT-ONLY fixture; indirect not available for surface mount

Output	CRI	CCT	Lens	
<input type="checkbox"/> MIN	<input type="checkbox"/> 80	<input type="checkbox"/> 2700K	<input type="checkbox"/> DIFF/F	Diffuse, flush (std.)
<input type="checkbox"/> LOW	<input type="checkbox"/> 90	<input type="checkbox"/> 3000K	<input type="checkbox"/> DIFF/D	Diffuse, drop (std.)
<input type="checkbox"/> MED		<input type="checkbox"/> 3500K	<input type="checkbox"/> FROST	Semi-frosted, flush
<input type="checkbox"/> TUNE/LOW*		<input type="checkbox"/> 4000K		
<input type="checkbox"/> TUNE/MED*		<input type="checkbox"/> 5000K		
<input type="checkbox"/> RGBW^		<input type="checkbox"/> 6500K		

*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 lampping only

Quantity*	Output	CRI	CCT	Lens
<input type="text"/>	<input type="checkbox"/> MIN/S	<input type="checkbox"/> 80	<input type="checkbox"/> 2700K	<input type="checkbox"/> 15 15° spread
	<input type="checkbox"/> LOW/S	<input type="checkbox"/> 90	<input type="checkbox"/> 3000K	<input type="checkbox"/> 25 25° spread
	<input type="checkbox"/> TUNE/S*		<input type="checkbox"/> 4000K	<input type="checkbox"/> 40 40° spread
	<input type="checkbox"/> RGBW/S^			

*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/linear/h-beam/

H B — Suspended, Wall, Surface

6 **Integral driver*** Select ONE

- NONDIM** Non-dimming
- DALI#** DALI driver, dimming down to 1%
- 1/10V** 1-10V, dimming down to 1%
- 0/10V** 0-10V, dimming down to 0%
- DMX^** 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.

#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

7 **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/products/linear/h-beam/

8 **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)

9 **Canopy** Select ONE

- NONE** Select NONE when specifying wall or surface mount
- STD** 115 mm canopy for each separate powerfeed and suspension point (standard)
- SMALL** 82 mm canopy for each separate powerfeed and suspension point
- COMBO** 115 mm combo canopy for locations with both a powerfeed and suspension point

H B — Suspended, Wall, Surface

10

Optional add-ons

Select as many as apply

A

EMERGENCY

EM

Integral, 3-hour emergency battery, manual testing

EM/DALI

Integral, 3-hour emergency battery with DALI interface, automatic testing

EC

Emergency circuit

B

SENSOR

PRES

Integral, PIR presence detector

DALI/PRES

Integral, DALI-compatible PIR presence detector

PHOTO

Integral, photocell/daylight detector

C

WIRELESS CONTROL

OLP*

Integral, Osram Lightify Pro wireless control module

*Must choose DALI option in DRIVER section.

H Beam

LIGHT FORMS

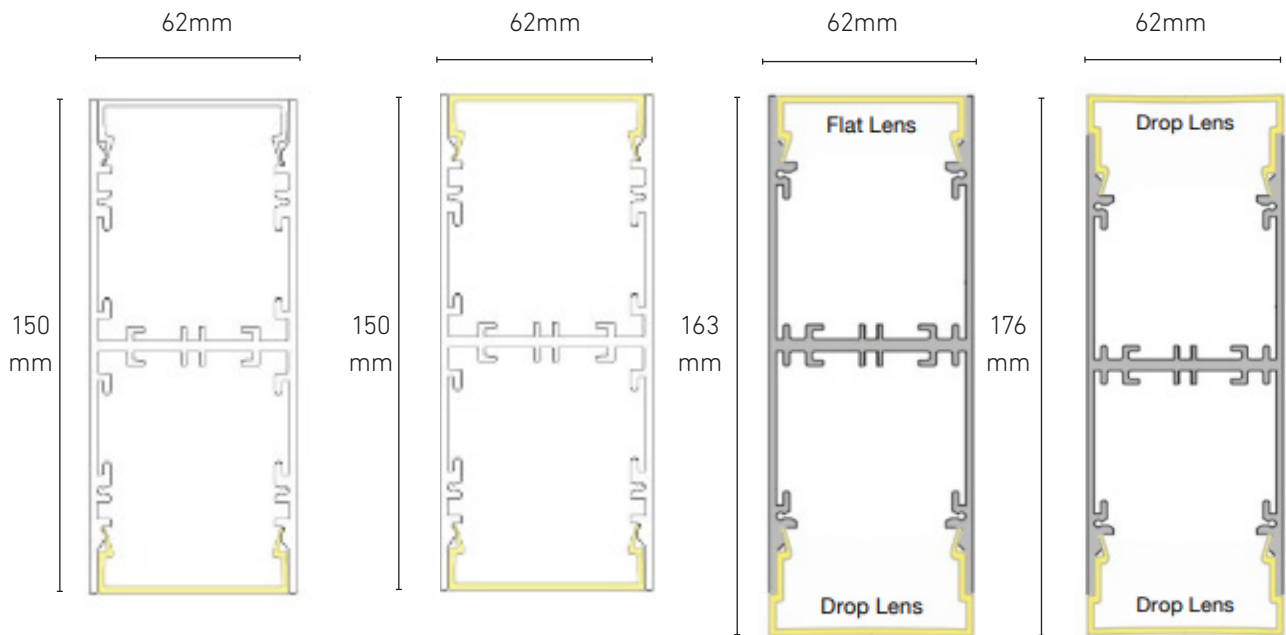
H B — Suspended, Wall, Surface

Dimensions

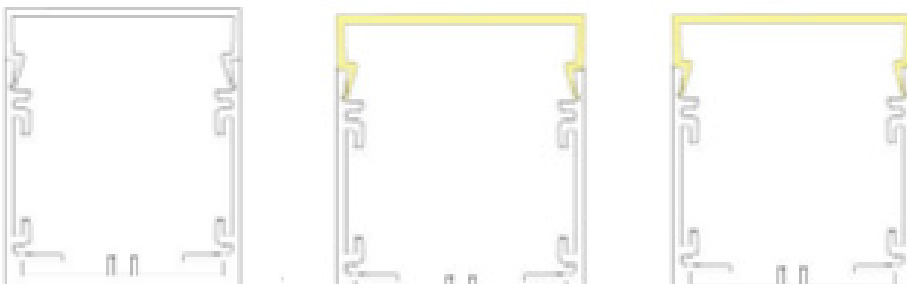
Direct only or indirect only

Fixture is flipped for indirect only

Direct / Indirect



Distribution



H Beam

LIGHT FORMS

H B — Suspended, Wall, Surface

Direct linear lampping – options & performance data*

Output Options	Delivered Lumens LM/M	WATTS W/M	EFFICACY LM/W	CRI Options	CCT OPTIONS	LENS OPTIONS
MIN [#]	910	12	76	80 90	2700K 3000K 3500K 4000K 5000K 6500K	DIFF/F DIFF/D FROST
LOW [#]	1302	13.4	87			
MED [#]	2538	25	102			
HI [#]	4192	44.6	94			
UGR19 [#]	TBD	TBD	TBD			
TUNE/LOW ^{#^}	Tunable White Standard 1045 (at 4000K)	14	75	80	2700K-6500K	DIFF/F DIFF/D FROST
TUNE/MED ^{#^}	Tunable White High 1480 (at 4000K)	22	67	80	2700K-6500K	
RGBW	Colour-Changing RGB+White N/A (entire system) 307 (white only)	19.2 (entire system) 9 (white only)	N/A (entire system) 34 (white only)	N/A (entire system) 80 (white only)	3000K 4000K	

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

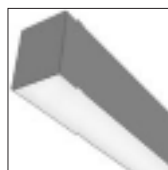
LENS options

*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.

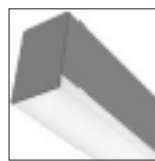
#Performance data is based on a connected-load photometric test of MED output with 80 CRI at 4000K using a DALI driver and DIFF/D lens. Data values for all other outputs are extrapolations.

^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.

DIFF is a white satin diffuser lens that produces smooth, even light across the lens surface. Choose flush (DIFF/F) or drop (DIFF/D). FROST is a semi-frosted, clear lens that produces more output, yet with less homogeneous light across the lens surface. UGR19 low-glare lampping comes with a prismatic lens and diffusing LED optic by default to achieve a UGR<19 rating.



Flush
DIFF/F



Drop
DIFF/F



Diffuse
DIFF/F OR D



Semi-frosted
FROST



Prismatic
UGR 19only

H Beam

H B — Suspended, Wall, Surface

Downlight spots - options & performance data

Output options	Delivered lumens LM/M	WATTS W/M	EFFICACY LM/W	CRI OPTIONS	CCT OPTIONS	BEAM DEGREE OPTIONS
MIN#	1101	11.6	95	80 90	2700K 3000K 4000K	15
LOW#	1430	15.9	90			25 40
TUNE/S	Contact Light Forms for Options & Details					
RGB/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.

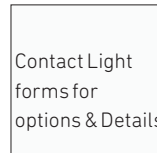
Spots



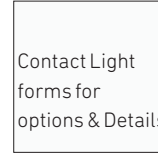
Minimum
MIN/S



Low
LOW/S



Tunable White
TUNE/S



RGB
RGB/S

H Beam

HB — Suspended, Wall, Surface

Housing

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

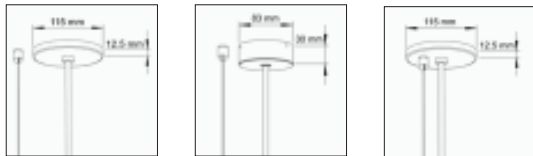
Finish options

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



Suspention 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 Downlightw Spots chart for further information.



Weight

Approximately 2784-3282 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

H Beam

LIGHT FORMS

HB — Suspended, Wall, Surface

Examples H Beam in use



Details of installation