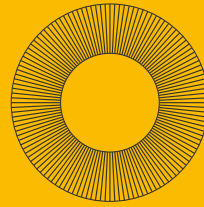


Moonband 90

W90 — LED
90 mm x 80 mm dia.



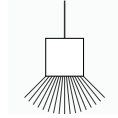
LIGHT FORMS

Curves

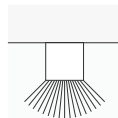
Specification



Suspended



Surface



Features

Six Diameter Options:

900 mm
1200 mm
1500 mm
1800 mm
2400 mm
3000 mm

Direct, Indirect or Direct/
Indirect Distribution

Up to 43,935 LM and 105
LM/W

Five Standard Output
Options

Tunable White and RGB+W
Options

Remote DALI, DMX, 10V or
Phase Driver

Dimming Down to 0%

Integrated Sensor Options

Aluminium, White, Black,
Bronze or Custom RAL
Finish

Photometry and additional documentation at:
LightForms.com/products/arc/moonband-90/

Moonband 90

LIGHT FORMS

MB90 — 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	
<input type="checkbox"/> MB90VS	Vertical Suspended	<input type="checkbox"/> MB90SM	Surface-Mount (direct only)
<input type="checkbox"/> MB90CS	Central Suspension		
<input type="checkbox"/> MB90RS	Rod Suspension		

2	Size*	Select ONE
----------	--------------	------------

Output

- | | |
|-------------------------------|------------------|
| <input type="checkbox"/> 900 | 900 mm diameter |
| <input type="checkbox"/> 1200 | 1200 mm diameter |
| <input type="checkbox"/> 1500 | 1500 mm diameter |
| <input type="checkbox"/> 1800 | 1800 mm diameter |
| <input type="checkbox"/> 2400 | 2400 mm diameter |
| <input type="checkbox"/> 3000 | 3000 mm diameter |

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"/> MED		<input type="checkbox"/> 3500K		
<input type="checkbox"/> HI [□]		<input type="checkbox"/> 4000K		
<input type="checkbox"/> MAX [□]		<input type="checkbox"/> 5000K		
<input type="checkbox"/> RGBW [^]		<input type="checkbox"/> 6500K		

[□]If selecting BOTH direct and indirect lampping, note the highest output possible is MED/HI or HI/MED.

[^]For RGB, only CRI 90 applies and select 3000K or 4000K CCT only. White LEDs can remain uncommissioned for RGB-only output.

Moonband 90

LIGHT FORMS

MB90 — Suspended, Surface

4 Indirect linear lamping & 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"/> Frost	Semi-frosted, flush
<input type="checkbox"/> MED		<input type="checkbox"/> 3500K		
<input type="checkbox"/> HI [□]		<input type="checkbox"/> 4000K		
<input type="checkbox"/> MAX [□]		<input type="checkbox"/> 5000K		
<input type="checkbox"/> RGBW [^]		<input type="checkbox"/> 6500K		

[□]If selecting BOTH direct and indirect lamping, note the highest output possible is MED/HI or HI/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 Downlight spots* Select NONE or ONE from EVERY category (note exceptions below)

NONE Select when specifying linear lamping 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 Light Forms for desired spacing of spots within the fixture

#For TUNE/S and RGB/S, CRI and CCT do not apply (leave unchecked)

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/LOW and TUNE/MED; DALI (or DMX) is required for RGBW

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

Moonband 90

LIGHT FORMS

MB90 — Suspended, Surface

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/arc/moonband-90/

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 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
- CCSTD 115 mm centralised combo canopy for powerfeed and all cables
- CCLG 360mm centralised combo canopy for powerfeed and all cables

10 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.

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Page 4

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Moonband 90

LIGHT FORMS

MB90 — Suspended, Surface

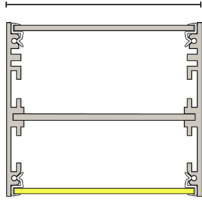
Dimensions

Direct only or indirect only

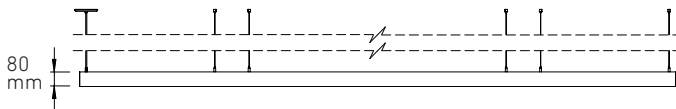
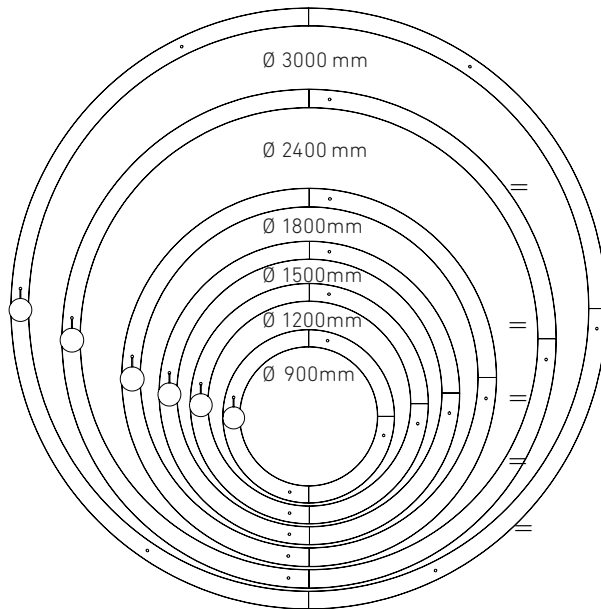
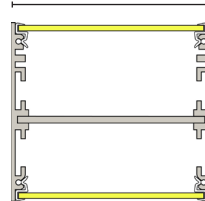
Fixture is flipped for indirect only

Direct / Indirect

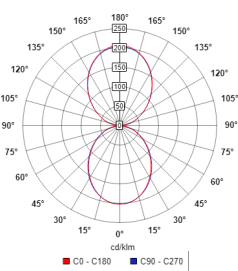
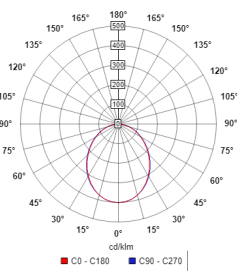
90mm



90mm



Distribution



Moonband 90

LIGHT FORMS

MB90 — Suspended, Surface

Direct LED lighting – options & performance data*

Output Options	Size Options Diameter	Delivered Lumens LM	Watts W	Efficacy LM/W	CRI Options	CCT Options	Weight G
MIN#	900	2518	34	76	80 90	2700K	8116
	1200	3357	45			3000K	10822
	1500	4197	57			3500K	13527
	1800	5036	68			4000K	16233
	2400	6715	90			5000K	21643
	3000	8393	113			6500K	27054
LOW#	900	3600	38	98	80 90	2700K	8116
	1200	4800	50			3000K	10822
	1500	6001	63			3500K	13527
	1800	7201	76			4000K	16233
	2400	9601	101			5000K	21643
	3000	12001	126			6500K	27054
MED#	900	7020	71	102	80 90	2700K	8116
	1200	9360	94			3000K	10822
	1500	11700	118			3500K	13527
	1800	14040	141			4000K	16233
	2400	18719	188			5000K	21643
	3000	23399	236			6500K	27054
HI#	900	11598	126	95	80 90	2700K	8116
	1200	15464	168			3000K	10822
	1500	19330	210			3500K	13527
	1800	23196	252			4000K	16233
	2400	30928	336			5000K	21643
	3000	38660	420			6500K	27054

See More Direct Lighting Options & Performance Data on Next Page...

Moonband 90

LIGHT FORMS

MB90 — Suspended, Surface

Direct LED lighting – options & performance data*

Output Options	Size Options Diameter	Delivered Lumens LM	Watts W	Efficacy LM/W	CRI Options	CCT Options	Weight G
MAX#	900	12983	194	67	80 90	2700K	8116
	1200	17310	259			3000K	10822
	1500	21638	324			3500K	13527
	1800	25965	389			4000K	16233
	2400	34620	518			5000K	21643
	3000	43275	648			6500K	27054
RGBW#	900	system - N/A	54	33	N/A (entire system) 80 (White only)	3000K 4000K	8116
		white only - 851	25				
	1200	system - N/A	72				10822
		white only - 1134	34				
	1500	system - N/A	90				13527
		white only - 1418	42				
	1800	system - N/A	109				16233
		white only - 1701	51				
	2400	system - N/A	145				21643
		white only - 2268	68				
	3000	system - N/A	181				27054
		white only - 2835	85				

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 diffuser lens that produces smooth, even light across the lens surface.



Diffuse
DIFF

Moonband 90

LIGHT FORMS

MB90 — Suspended, Surface

Indirect LED lighting – options & performance data*

Output Options	Size Options Diameter	Delivered Lumens LM	Watts W	Efficacy LM/W	CRI Options	CCT Options	Weight G
MIN#	900	2583	34	74	80 90	2700K	6715
	1200	3444	45			3000K	8953
	1500	4305	57			3500K	11191
	1800	5166	68			4000K	13429
	2400	6888	90			5000K	17906
	3000	8610	113			6500K	22382
LOW#	900	3705	38	95	80 90	2700K	6715
	1200	4940	50			3000K	8953
	1500	6175	63			3500K	11191
	1800	7410	76			4000K	13429
	2400	9880	101			5000K	17906
	3000	12350	126			6500K	22383
MED#	900	7218	71	99	80 90	2700K	6715
	1200	9623	94			3000K	8953
	1500	12029	118			3500K	11191
	1800	14435	141			4000K	13429
	2400	19247	188			5000K	17906
	3000	24059	236			6500K	22382
HI#	900	11920	126	92	80 90	2700K	6715
	1200	15893	168			3000K	8953
	1500	19867	210			3500K	11191
	1800	23840	252			4000K	13429
	2400	31787	336			5000K	17906
	3000	39734	420			6500K	22383

See More Direct Lighting Options & Performance Data on Next Page...

Moonband 90

LIGHT FORMS

MB90 — Suspended, Surface

Direct LED lighting – options & performance data*

Output Options	Size Options Diameter	Delivered Lumens LM	Watts W	Efficacy LM/W	CRI Options	CCT Options	Weight G
MAX#	900	13344	194	69	80 90	2700K	6715
	1200	17792	259			3000K	8953
	1500	22241	324			3500K	11191
	1800	26689	389			4000K	13429
	2400	35585	518			5000K	17906
	3000	44481	648			6500K	22382
RGBW#	900	system - N/A	54	34	N/A (entire system) 80 (White only)	3000K 4000K	6715
		white only - 873	25				
	1200	system - N/A	72				11191
		white only - 1164	34				
	1500	system - N/A	90				17906
		white only - 1455	42				
	1800	system - N/A	109				17906
		white only - 1746	51				
	2400	system - N/A	145				17906
		white only - 2329	68				
	3000	system - N/A	181				17906
		white only - 2911	85				

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 diffuser lens that produces smooth, even light across the lens surface.



Diffuse
DIFF

Moonband 90

LIGHT FORMS

MB90 — Suspended, Surface

Downlight Spots – options & performance data*

Output Options	Delivered Lumens LM	Watts W	Efficacy LM/W	CRI Options	CCT Options	Weight G
MIN/S	1101	11.6	95	80 90	2700K 3000K 4000K	15
LOW/S	1430	15.9	90			25
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.

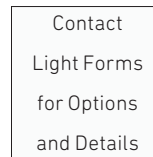
Spots



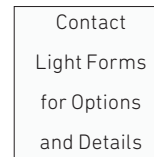
Minimum
MIN/S



Low
LOW/S



Tunable White
TUNE/S



RGB
RGB/S

Moonband 90

LIGHT FORMS

MB90 — Suspended, Surface

Housing

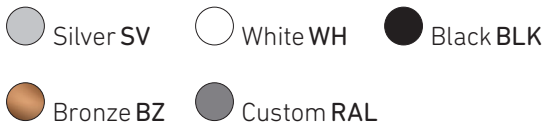
100% recyclable, extruded architectural grade aluminium with minimum 2mm thickness.

Weight

Approximately 8116-27054 grams per unit. Weight may vary depending on mounting and other options.

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).



Remote sensors

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

Integral sensors

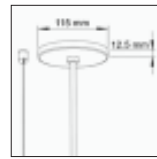
Optional, presence (PRES), DALI-compatible PIR presence (DALI/PRES) and daylight harvesting (PHOTO) sensors available. Contact Light Forms for further information.

Operating temperature

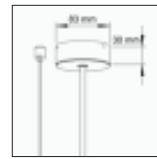
Luminaire MUST be installed and operated ONLY in dry or damp environments where the ambient temperature ranges from -20°C to 50°C. Luminaire operation in environments outside this temperature range voids the warranty AND may damage the product or adversely impact lamp life, lumen output and colour consistency.

Suspension mount canopy options

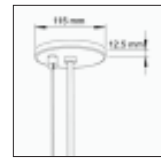
Standard (STD) comprises separate 115 mm powerfeed canopy and cable bullet at powerfeed locations. SMALL comprises separate 85 mm powerfeed canopy and cable bullet at powerfeed locations. COMBO comprises combined 115mm canopy (canopy and cable bullet) at powerfeed locations. All options include cable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



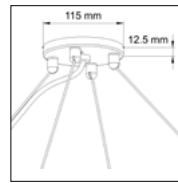
Standard
STD



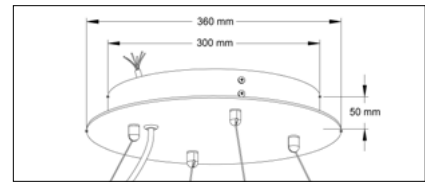
Small
SMALL



Combo
COMBO



Central Combo
Standard
CCSTD



Central Combo
Large
CCLG

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.

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