



formalighting

Zero Framing Projector Series

2024 | 25

Zero Framing Projector Series

Zero Framing Projector



Collected Light Exhibition. Milan 2023
Cascina Cuccagna - formalighting's Demo Room featuring the high performance
Zero Framing Projector 85 and Zero Framing Projector 38.

The hero of formalighting's track-mounted range for museums and galleries, for the professional illumination of objects, with high precision optics and sharp outlines.

An advanced multifunctional projector with built-in bidirectional zooming lens with sharpness adjustability and lens rotation. Also compatible with Gobo Insertion.

Available for EURO Track, Low Voltage Track, Semi-Recessed, and Surface Mounted versions.

Zero Projector Lighting Effect

Precision light contouring



Image Projection

CCTs Options

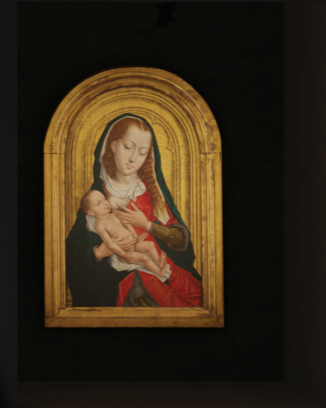
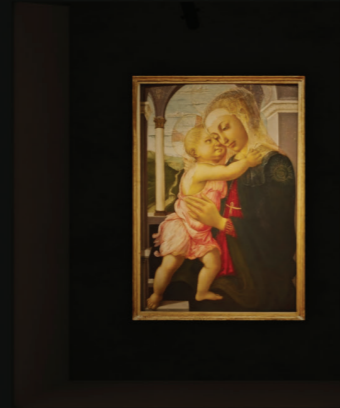


Custom Graphics Projection



Contour Spotlights

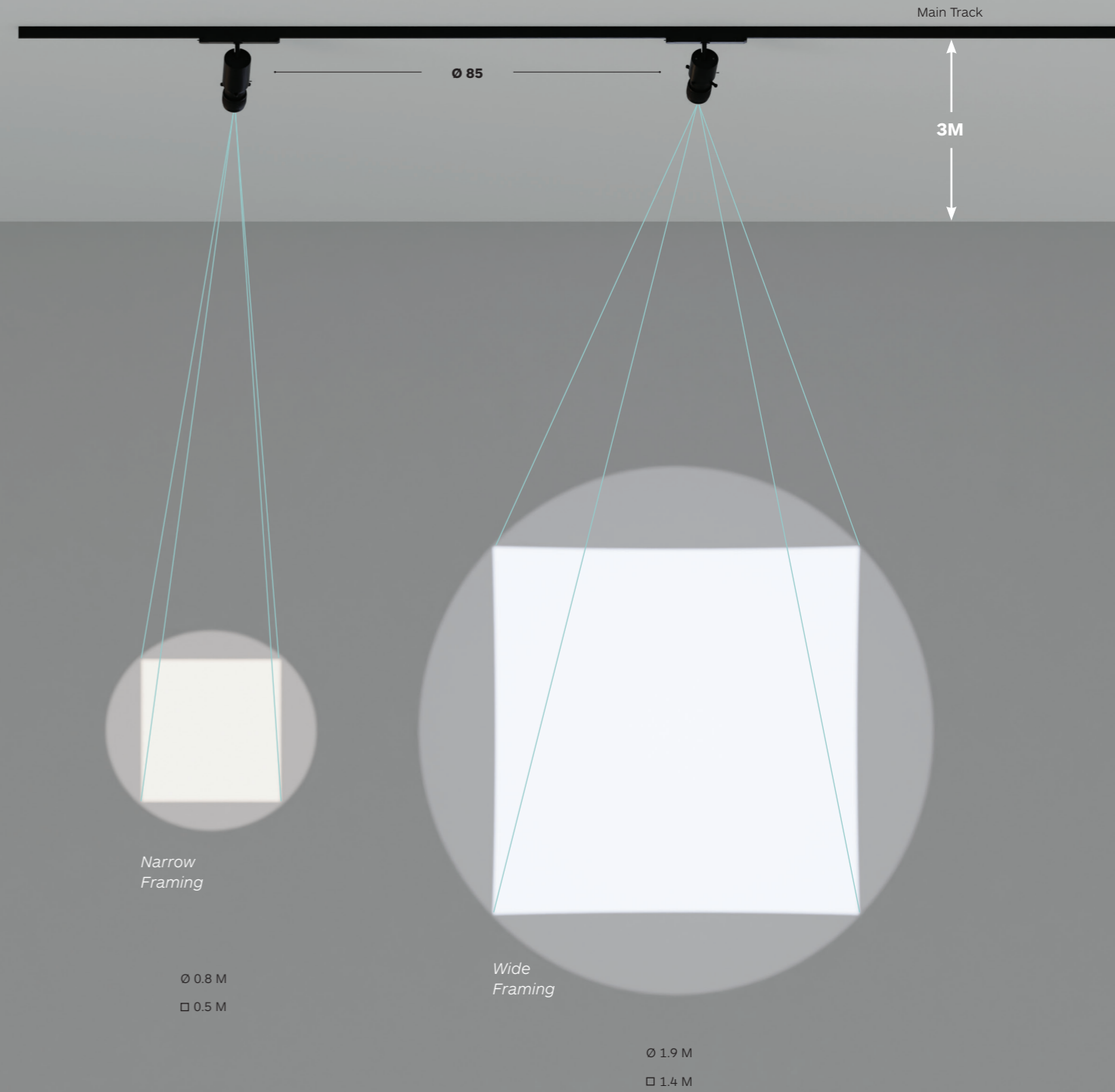
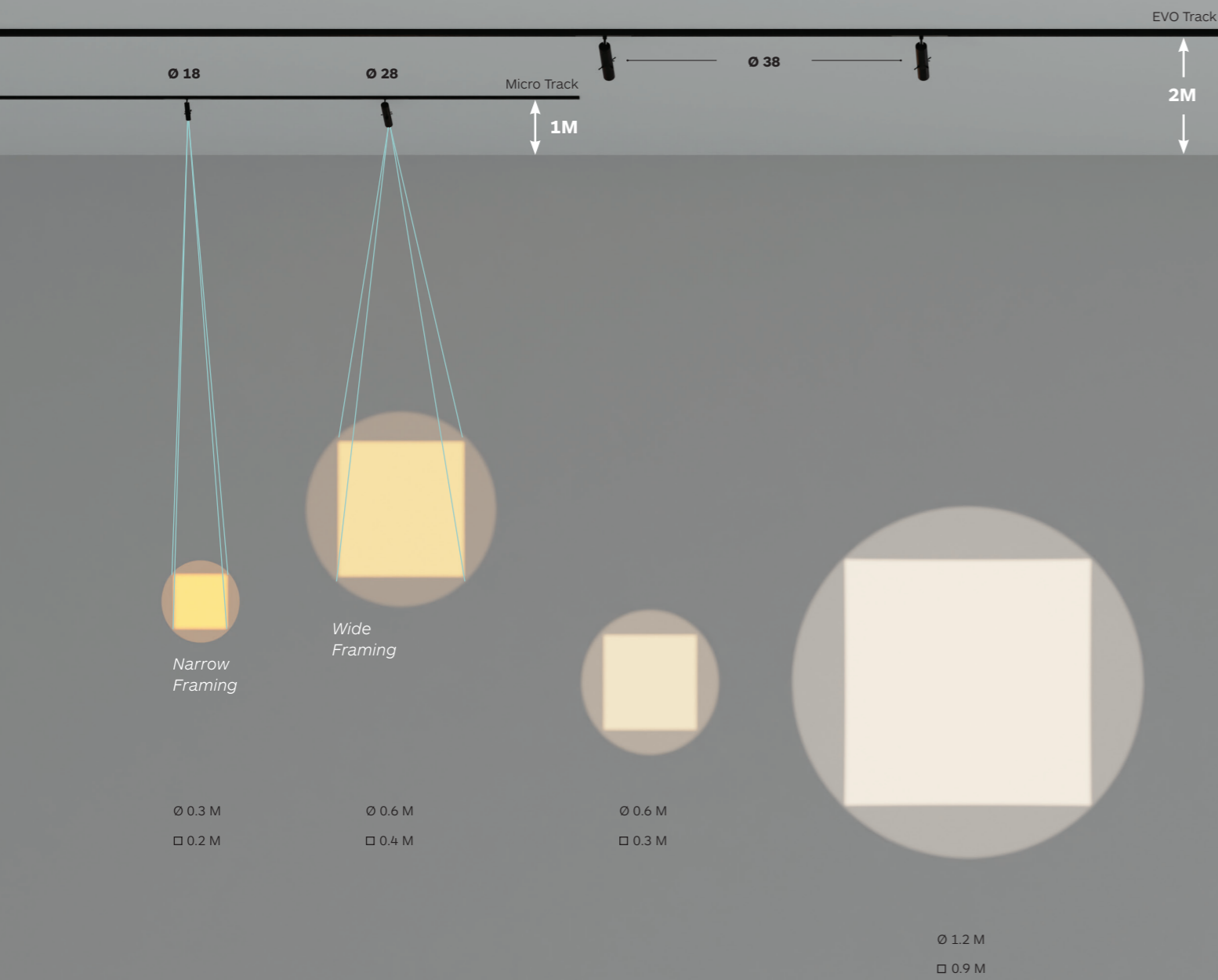
Create perfect displays of art
in museums and galleries



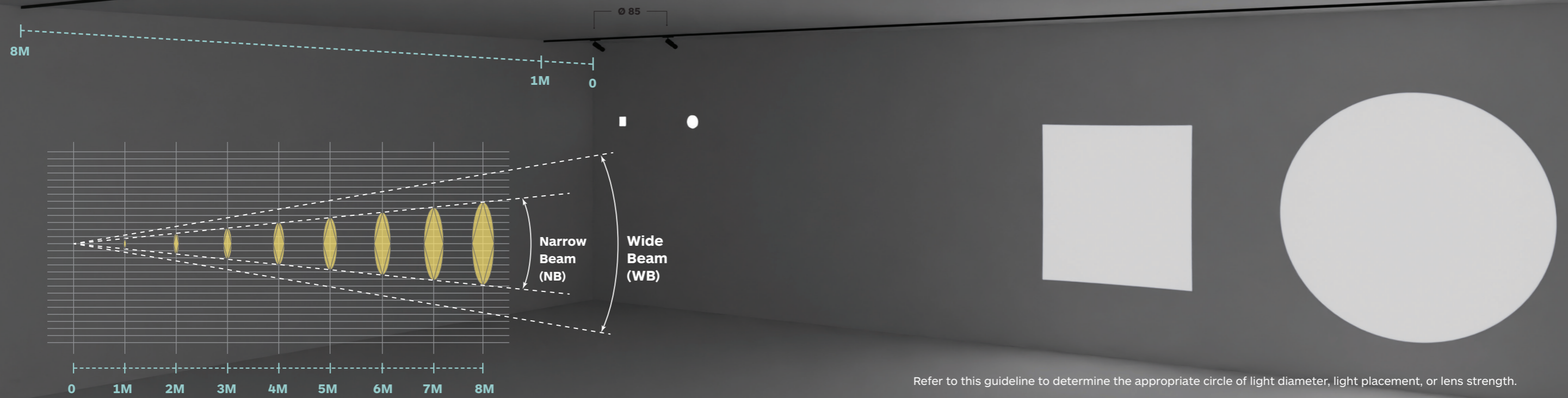
Our Zero Framing Projectors allow you to create beautiful lighting effects for your artwork.

Formalighting has created a solution with its contour spotlights. These allow curators and lighting designers to cast precise beams of light that highlight exhibits in galleries and museums while leaving the background in darkness for a magical effect. Unlike traditional projectors, which are limited to a single lighting style, our spotlights offer flexibility. You can easily switch from a framing light to a spotlight with a round beam without any tools.

Framing Light Distribution



Projection Spacing



Refer to this guideline to determine the appropriate circle of light diameter, light placement, or lens strength.

Zero Framing Projector 18 BS: Beam Shaping Beam Angle: 15° - 33°	Zero Framing Projector 28 BS: Beam Shaping Beam Angle: 12° - 32°	Zero Framing Projector 38 BS: Beam Shaping Beam Angle: 14° - 35°		Projection Distance (M)								
				1M	2M	3M	4M	5M	6M	7M	8M	
			NB : 15°	Circular Spot Diameter (M)	Ø 0.3	Ø 0.6	Ø 0.9	Ø 1.2	-	-	-	-
			WB : 33°		Ø 0.6	Ø 1.3	Ø 1.8	Ø 2.5	-	-	-	-
			NB : 15°	Square Spot Side Length (M)	L 0.2	L 0.3	L 0.6	L 0.8	-	-	-	-
			WB : 33°		L 0.4	L 0.9	L 1.3	L 1.7	-	-	-	-
			NB : 12°	Circular Spot Diameter (M)	Ø 0.3	Ø 0.5	Ø 0.8	Ø 1.0	Ø 1.2	Ø 1.5	Ø 1.7	-
			WB : 32°		Ø 0.6	Ø 1.3	Ø 1.9	Ø 2.4	Ø 3.2	Ø 3.8	Ø 4.5	-
			NB : 12°	Square Spot Side Length (M)	L 0.2	L 0.3	L 0.5	L 0.7	L 0.9	L 1.0	L 1.2	-
			WB : 32°		L 0.4	L 0.9	L 1.4	L 1.8	L 2.3	L 2.7	L 3.2	-
			NB : 14°	Circular Spot Diameter (M)	Ø 0.3	Ø 0.6	Ø 0.9	Ø 1.2	Ø 1.5	Ø 1.8	Ø 2.2	Ø 2.5
			WB : 35°		Ø 0.6	Ø 1.2	Ø 1.8	Ø 2.4	Ø 2.9	Ø 3.5	Ø 4.1	Ø 4.7
			NB : 14°	Square Spot Side Length (M)	L 0.2	L 0.3	L 0.6	L 0.8	L 1.0	L 1.3	L 1.6	L 1.8
			WB : 35°		L 0.4	L 0.9	L 1.3	L 1.6	L 2.1	L 2.5	L 2.9	L 3.3

Zero Framing Projector 85			Projection Distance (M)							
Main Track: 1462 Surface: 6640	Main Track: 1463 Surface: 6641		1M	2M	3M	4M	5M	6M	7M	8M
BS: Beam Shaping Beam Angle: 13° - 23°	NB : 13°	Circular Spot Diameter (M)	Ø 0.3	Ø 0.5	Ø 0.8	Ø 1.0	Ø 1.3	Ø 1.5	Ø 1.8	Ø 2.0
		WB : 23°	Ø 0.4	Ø 0.9	Ø 1.3	Ø 1.7	Ø 2.2	Ø 2.6	Ø 3.0	Ø 3.4
	NB : 13°	Square Spot Side Length (M)	L 0.2	L 0.4	L 0.5	L 0.7	L 0.9	L 1.1	L 1.3	L 1.4
		WB : 23°	L 0.3	L 0.6	L 0.9	L 1.2	L 1.5	L 1.8	L 2.1	L 2.4
BW: Beam Wide Beam Angle: 23° - 36°	NB : 23°	Circular Spot Diameter (M)	Ø 0.4	Ø 0.8	Ø 1.2	Ø 1.6	Ø 2.0	Ø 2.4	Ø 2.8	Ø 3.2
		WB : 36°	Ø 0.6	Ø 1.3	Ø 1.9	Ø 2.6	Ø 3.2	Ø 3.9	Ø 4.5	Ø 5.2
	NB : 23°	Square Spot Side Length (M)	L 0.3	L 0.6	L 0.8	L 1.1	L 1.4	L 1.7	L 2.0	L 2.3
		WB : 36°	L 0.5	L 0.9	L 1.4	L 1.8	L 2.3	L 2.8	L 3.2	L 3.7

Optical Accessory Gobo Film

A zero-framing projector, a gobo, and a projection surface are all required for logo projection. The gobo is a little template film that displays a customized logo or other creative image.

The gobo film is inserted into the Zero Framing projector, and the picture emerges on the ideal surface. Choose the appropriate gobo for your design and projector to achieve a clear image at the correct size and brightness.



Gobo
Film



Gobo Film
available for 4 sizes

1. Zero Framing Projector 85



2F29

2. Zero Framing Projector 38



2G24

3. Zero Framing Projector 28



2G92

4. Zero Framing Projector 18



2G91

PRODUCTS INDEX

Recessed & Semi-Recessed



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Surface Mounted

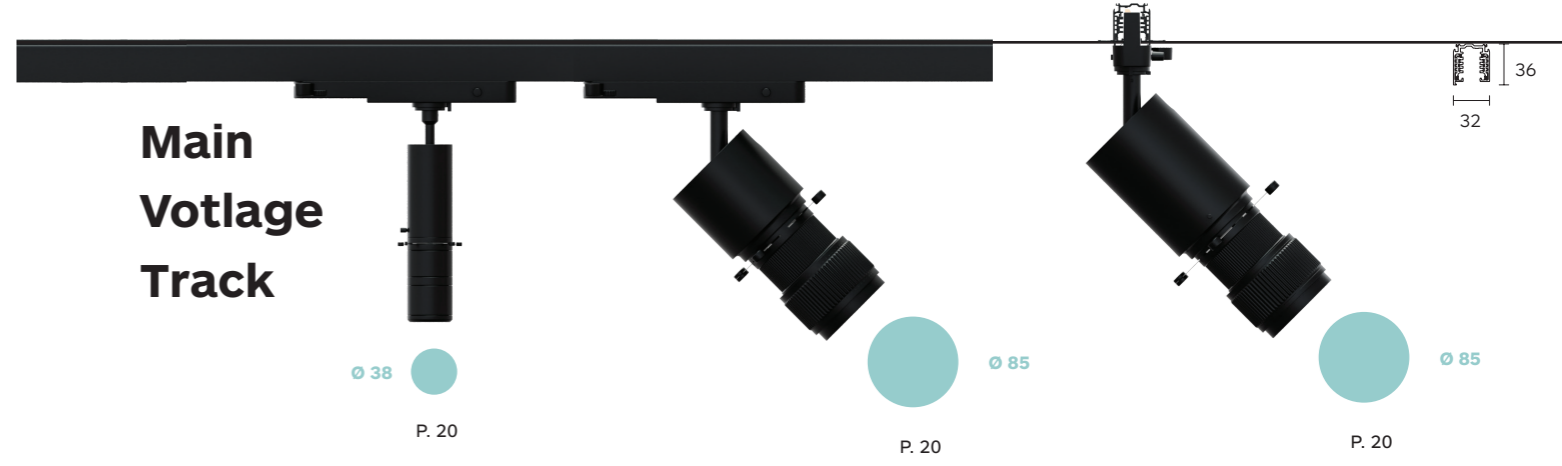


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Main Voltage Track



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32

EVO Track

DC 48V



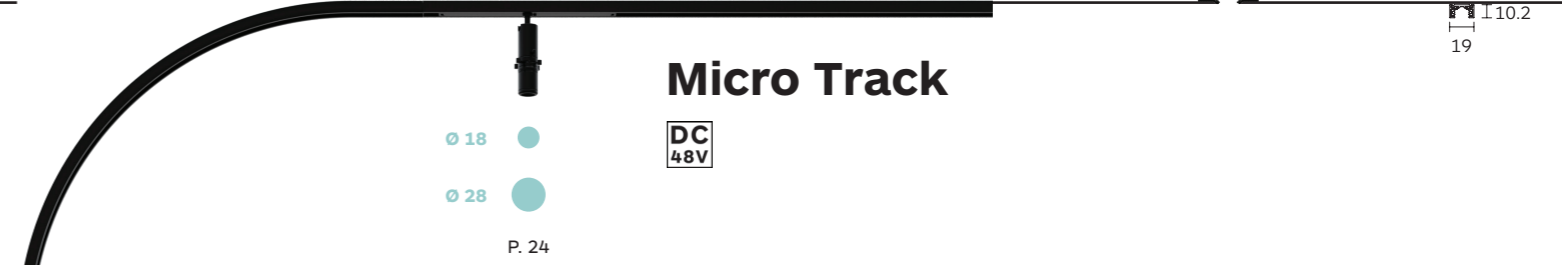
Ø 28
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26.2

Micro Track

DC 48V

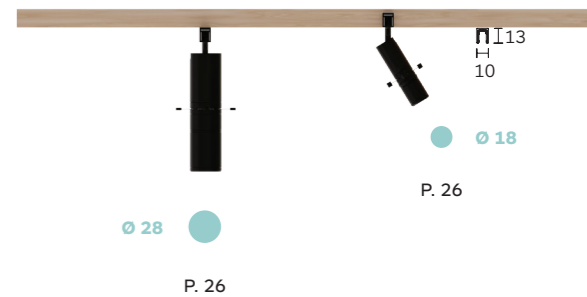


Ø 18
Ø 28
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110.2
19

Mini Track

DC 24V



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113
10

Zero Framing Projector

Semi Recessed & Recessed

Advanced, multi-functional LED semi-recessed and recessed mounted projector. With a built-in bidirectional zooming lens with sharpness adjustability, and lens rotation.

Adjustable shutters to re-frame the beam to the desired size and shape. Compatible with Gobo insertion for logo. High-precision optics for sharp outlines and high degree of lighting uniformity.

For complete code ordering information, please see page 35.

LED Sources:

High Rendering:
CRI: 97 | CCT: 2700K, 3000K, 3500K, 4000K.

Accessories:

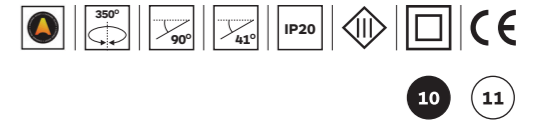
- Gobo Film, see page 15 for details
- Contact us for custom-made logo projection lens.

10 - Black

11 - White



Zero Framing Projector Semi-Recessed & Recessed



Ø25

Ø30

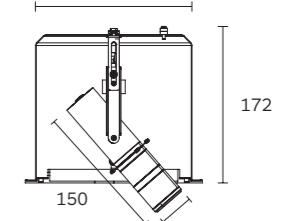
Ø60

Ø185



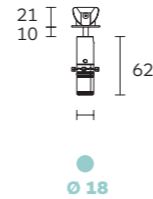
RR71

Ø 172



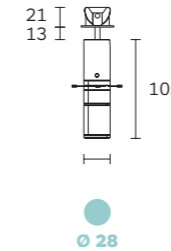
RR72

Ø 30



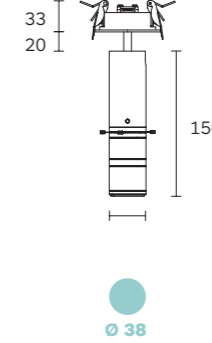
RR73

Ø 35



RR56

Ø 68



172

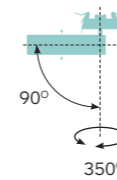
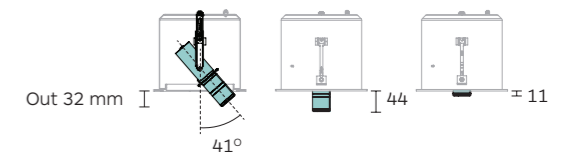
150

Ø 38

42

91

Ø 195



	Product Code	LED Source Code	LED Power	Nominal Lumen	Beam Angle	Dimming Options	CCT Options
CRI > 97 3000K High Rendering	Zero Framing Projector 18	RR72 ○	BC52	2.4	205 lm	BS (15°-35°)	27 2700K
	Zero Framing Projector 28	RR73 ○	BC53	4.8	470 lm	BS (11°-32°)	30 3000K
	Zero Framing Projector 38	RR56 ○	BC42	9.6W	922 lm	BS (14°-35°)	35 3500K
		RR71 ○				40 4000K	
						DA* Dali Dim	
						DC* CASAMBI	
						DP* Phase Dim	

* Dimming Options Dali Dim (DA), CASAMBI (DC) and Phase Dim (DP) are available for Zero Framing Projector 38 only.
BS: Beam Shaping.

Zero Framing Projector

Track

- 10 - Black
- 11 - White

Advanced, multi-functional LED track mounted projector, tiltable vertically 0°-90° and rotatable horizontally 350°. With built-in bidirectional zooming lens with sharpness adjustability, and lens rotation.

Adjustable shutters to re-frame the beam to the desired size and shape (circle, square/rectangle, or irregular four-sided shapes). Compatible with Gobo insertion for logo.

High-precision optics for sharp outlines and high degree of lighting uniformity.

For complete code ordering information, please see page 35.

LED Sources:

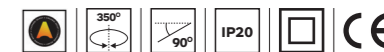
High Rendering:
CRI: 97 | CCT: 2700K, 3000K, 3500K, 4000K.

Accessories:

- Gobo Film, see page 15 for details
- Contact us for custom-made logo projection lens.



Zero Framing Projector Track



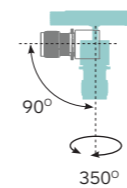
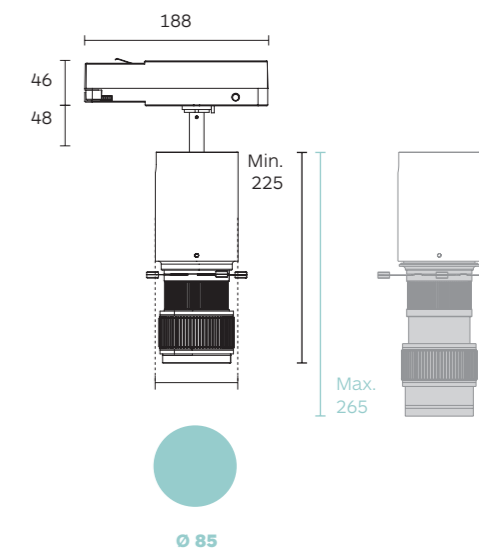
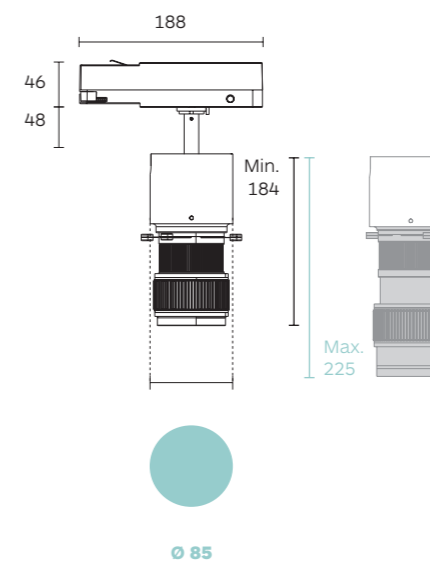
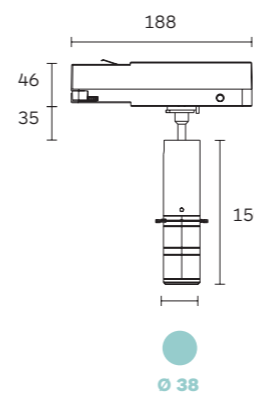
10 11



6643

6640

6641



CRI > 97
3000K

High
Rendering

Product Code	LED Source Code	LED Power	Nominal Lumen	Beam Angle	Dimming Options	CCT Options
Zero Framing Projector 38	6643	BC42	9.6W	848 lm	BS (14°-35°)	D0 2700K
Zero Framing Projector 85	6640	BC32	17W	1764 lm	BS (13°-23°)	DA 3000K
	6641		25W	2332 lm	BW (23°-36°)	DC 3500K
					DN On Board Dimmer	40 4000K

BS: Beam Shaping; BW: Beam Wide.

Zero Framing Projector

EVO 48V Track

- 10 - Black
- 11 - White

LED Sources:

High Rendering:
CRI: 97 | CCT: 2700K, 3000K, 3500K, 4000K

Accessories:

- Gobo Film, see page 15 for details.
- Contact us for custom-made logo projection lens.

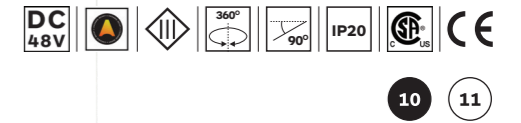


Zero 38 framing projector is an advanced, multi-functional EVO 48V track-mounted projector, tiltable vertically 0°-90° and rotatable horizontally 360°. With built-in bidirectional zooming lens with sharpness adjustability, and lens rotation. Available in regular and long arm version for deep recessed and pendant EVO 48V track.

Fully adjustable shutters to reframe the beam to the desired size and shape (circle, square/rectangle, or irregular four-sided shapes). Compatible with Gobo insertion for logo. High-precision optics for sharp outlines and a high degree of lighting uniformity.

For complete code ordering information, please see page 35.

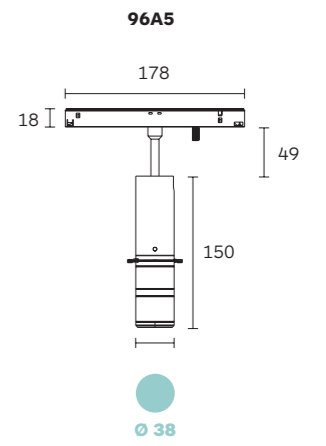
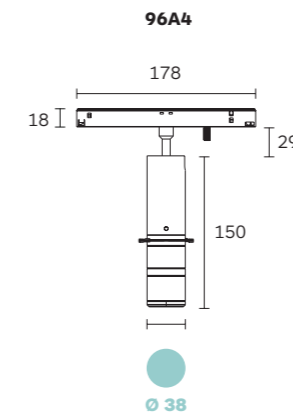
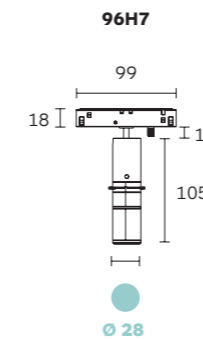
Zero Framing Projector EVO Track



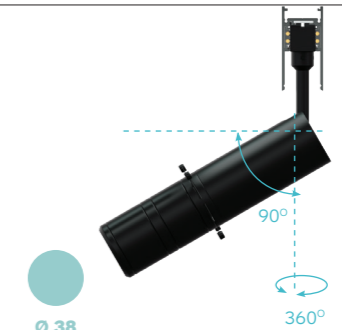
Regular Arm + EVO Regular Track



Long Arm + EVO Deep Track



Regular Arm + Regular Track



Long Arm + Deep Track

	Product Code	LED Source Code	LED Power	Nominal Lumen	Beam Angle	Dimming Options	CCT Options
CRI > 97 3000K High Rendering	Zero Framing Projector 28	96H7	BC53	4.8	470 lm	BS (11°-32°)	27 2700K
	Zero Framing Projector 38	96A4	BC42	9.6W	848 lm	BS (14°-35°)	30 3000K
	Zero Framing Projector 38 Long Arm	96A5				DC CASAMBI DN On Board Dimmer	35 3500K 40 4000K

BS: Beam Shaping.

Zero Framing Projector

Micro Track

Advanced, multi-functional LED track-mounted projector, tiltable vertically 0°-90° and rotatable horizontally 350°. With built-in bidirectional zooming lens with sharpness adjustability, and lens rotation. Adjustable shutters to re-frame the beam to the desired size and shape (circle, square/rectangle, or irregular four-sided shapes).

Compatible with gobo insertion for the logo. High-precision optics for sharp outlines and high degree of lighting uniformity.

For complete code ordering information, please see page 35.

LED Sources:

High Rendering:
CRI: 97 | CCT: 2700K, 3000K, 3500K, 4000K.

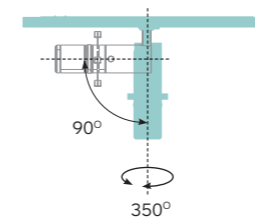
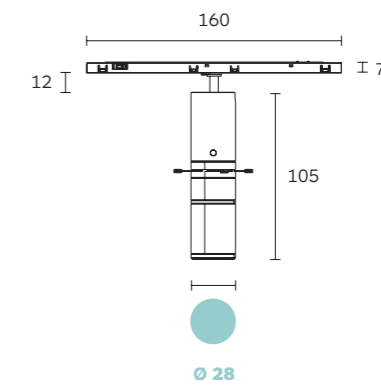
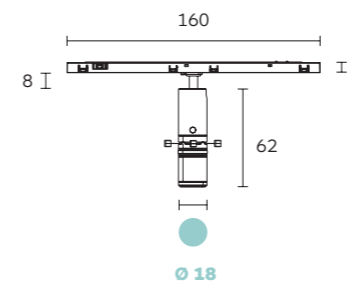
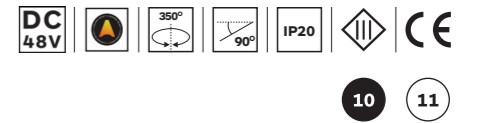
Accessories:

- Gobo Film, see page 15 for details.
Contact us for custom-made logo projection lens.

● 10 - Black

● 11 - White

Zero Framing Projector Micro Track



CRI > 97
3000K
High
Rendering

	Product Code	LED Source Code	LED Power	Nominal Lumen	Beam Angle	Dimming Options	CCT Options
Zero Framing Projector 18	T674	BC52	2.4	205 lm	BS (15°-35°)	DO No Dim	27 2700K
Zero Framing Projector 28	T650	BC53	4.8	470 lm	BS (11°-32°)	DA Dali Dim	30 3000K
						DC CASAMBI	35 3500K
							40 4000K

BS: Beam Shaping.

Zero Framing Projector

Mini Track

- 10 - Black
- 11 - White



For galleries and museums, the Zero Framing Projectors 18 & 25 are professional micro spotlights that guarantee exception illumination for even the smallest of artefacts.

Designed to suit a range of needs, Zero Framing Projectors 18 & 25 are available for 24v mini track, tiltable vertically 0°-90° and rotatable horizontally 330°. With built-in bidirectional zooming lens with sharpness adjustability, and lens rotation. Adjustable shutters to re-frame the beam to the desired size and shape.

Compatible with Gobo insertion for logo. High-precision optics for sharp outlines and a high degree of lighting uniformity.

For complete code ordering information, please see page 35.

LED Sources:

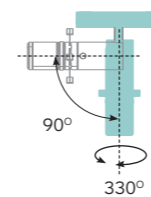
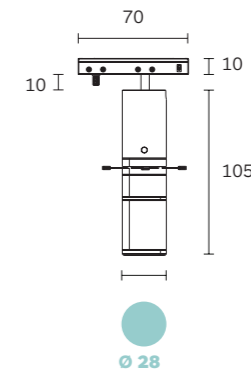
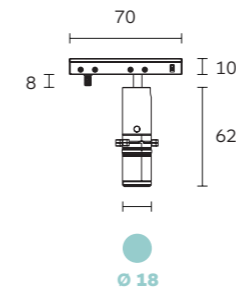
High Rendering;
CRI: 97 | CCT: 2700K, 3000K, 3500K, 4000K.

Accessories:

- Gobo Film, see page 15 for details. Contact us for custom-made logo projection lens.

Zero Framing Projector Mini Track

DC 24V
330°
90°
IP20
CE
10
11



	Product Code	LED Source Code	LED Power	Nominal Lumen	Beam Angle	Dimming Options	CCT Options	
CRI >97 3000K High Rendering	Zero Framing Projector 18	G96C	BC52	2.4	205 lm	BS (15°-35°)	D0 No Dim	27 2700K
	Zero Framing Projector 28	G96D	BC53	4.8	470 lm	BS (11°-32°)	D1 0-10V Dim	30 3000K
						DN On Board Dimmer	35 3500K	
							40 4000K	

BS: Beam Shaping.

Zero Framing Projector

Surface 38 | 85

- 10 - Black
- 11 - White



Advanced, multi-functional LED surface-mounted projector, tilttable vertically 0°-90° and rotatable horizontally 350°. With built-in bidirectional zooming lens with sharpness adjustability, and lens rotation. Available in 38mm and 85mm. Adjustable shutters allow you to re-frame the beam to the desired size and shape.

Compatible with gobo insertion for the logo. High-precision optics for sharp outlines and a high degree of lighting uniformity.

For complete code ordering information, please see page 35.

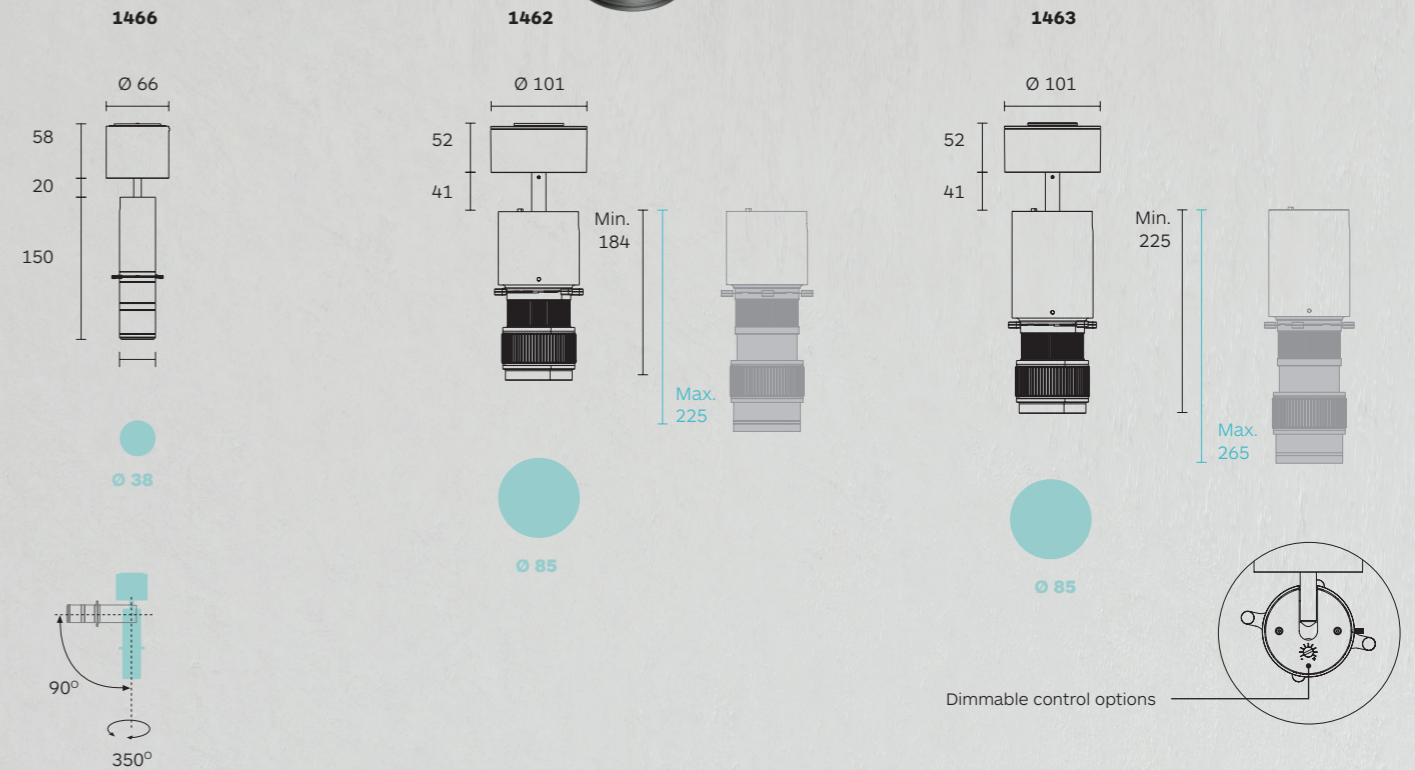
LED Sources:

High Rendering:
CRI: 97 | CCT: 2700K, 3000K, 3500K, 4000K.

Accessories:

- Gobo Film, see page 15 for details.
- Contact us for custom-made logo projection lens.

Zero Framing Projector 38 & 85 Surface



	Product Code	LED Source Code	LED Power	Nominal Lumen	Beam Angle	Dimming Options	CCT Options
CRI>97 3000K High Rendering	Zero Framing Projector 38	1466	BC42	9.6W	848 lm	BS (14°-35°)	27 2700K
	Zero Framing Projector 85	1462	BC32	17W	1764 lm	BS (13°-23°)	30 3000K
		1463		25W	2332 lm	BW (23°-36°)	35 3500K
						40 4000K	

* Dimming Options On Board Dimmer (DN) is available for Zero Framing Projector 85 only.
* Dimming Options Dali Dim (DA) & CASAMBI (DC) are only available via external Drivers.
BS: Beam Shaping; BW: Beam Wide.

Zero Framing Projector

Surface 18 | 28



The compact surface-mounted projector works with a low-voltage power supply. Tilttable vertically 0°-90° and rotatable horizontally 350°. With a built-in bidirectional zooming lens with sharpness adjustability, and lens rotation. Available in 28mm and 18mm. Adjustable shutters allow you to re-frame the beam to the desired size and shape.

Compatible with gobo insertion for the logo. High-precision optics for sharp outlines and a high degree of lighting uniformity. An ultra-compact design ideal for showcase and display lighting applications.

For complete code ordering information, please see page 35.

LED Sources:

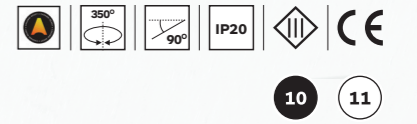
High Rendering:
CRI: 97 | CCT: 2700K, 3000K, 3500K, 4000K.

Accessories:

- Gobo Film, see page 15 for details. Contact us for custom-made logo projection lens.

- 10 - Black
- 11 - White

Zero Framing Projector 18 & 28 Surface



	Product Code	LED Source Code	LED Power	Nominal Lumen	Beam Angle	Dimming Options	CCT Options
CRI > 97 3000K High Rendering	Zero Framing Projector 18	1491	2.4	205 lm	BS (15°-35°)	D0 No Dim	27 2700K
	Zero Framing Projector 28	1492	4.8	470 lm	BS (11°-32°)	D1* 0-10V Dim	30 3000K 35 3500K 40 4000K

* Dimming Options 0-10V Dim (**D1**) available via external Drivers.
BS: Beam Shaping.

Symbols & Icons
Code system
Global presence


Symbols & Icons


Trim Round 


Round ceiling cut 

CE Mark - Product complies with CE Standard. 

CSA Mark - Product complies with USA & Canada Standard. 

CLASS I
Luminaires of insulation Class I - with earth connector. 

CLASS II
Luminaires of insulation Class II - With safety isolation, this means the tension conduction element are protected by additional isolation. The isolation of an earth wire it is not necessary and the connection to it is not allowed. 

CLASS III
Luminaires of insulation Class III - designed for operation of protected low voltage supply (>42V). 

48V input integrated. 

24V input integrated. 

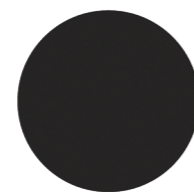
CASAMBI 

Recyclable 

IP__ Degree of Ingress Protection

1st Number	Protection Against Dust and Solid Objects	2nd Number	Protection Against Moisture and Liquids
0	No-Protection	0	No-Protection
1	Protection against solid objects >50 mm	1	Protection against dripping water
2	Protection against solid objects >12 mm	2	Protection against dripping water tilted > 15 deg
3	Protection against solid objects >2.5 mm	3	Protection against spraying water > 30 deg
4	Protection against solid objects >1 mm	4	Protection against spraying water
5	Dust - protected	5	Protection against water jet
6	Dust - tight	6	Protection against waves
		7	Protection against the effects of immersion
		8	Protection against submersion

Body Color



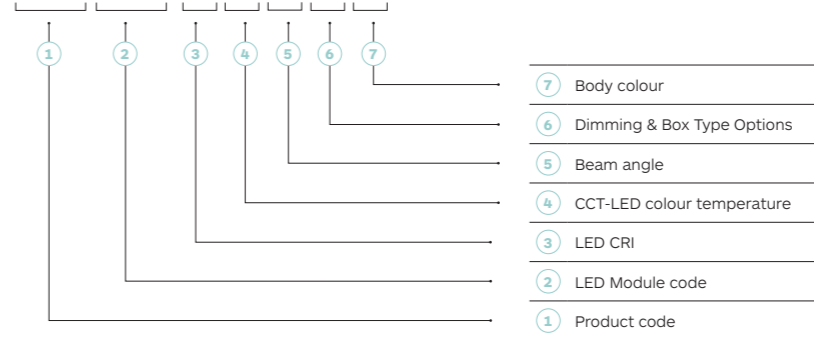
10 Black (RAL 9004)



11 White (RAL 9003)

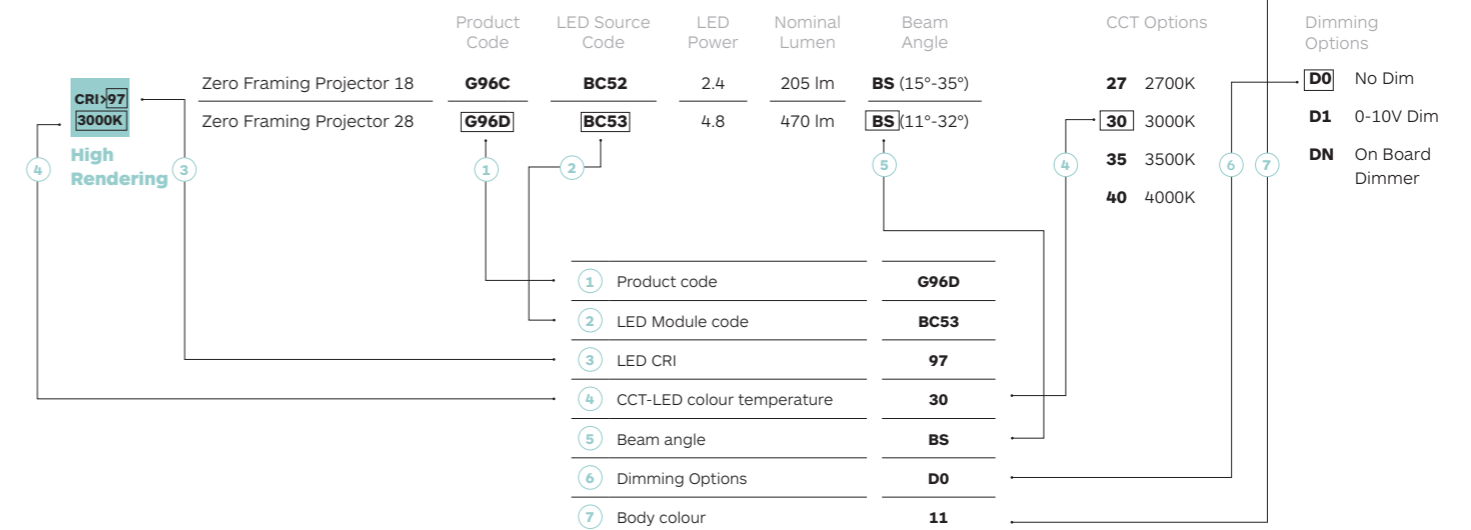
Code System

Code ordering example: **G 9 6 D B C 5 3 - 9 7 3 0 B S D 0 1 1**



LED CRI	CCT-LED Colour temperature	Dimming Options	Body Colour
97 CRI > 97	27 Warm White 2700K	D0 No Dim	10 Black (RAL 9004)
	30 Warm White 3000K	D1 0-10V Dim	11 White (RAL 9003)
	35 Warm White 3500K	DA Dali Dim	
	40 Warm White 4000K	DC CASAMBI	
		DN On Board Dimmer	
		DP Phase Dim	

How to order



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Celebrating over 50 years of vision, dedication and innovation, formalighting's versatile and high-quality product offerings extends internationally via our headquarters in Hong Kong, London, Milan and Shanghai.

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