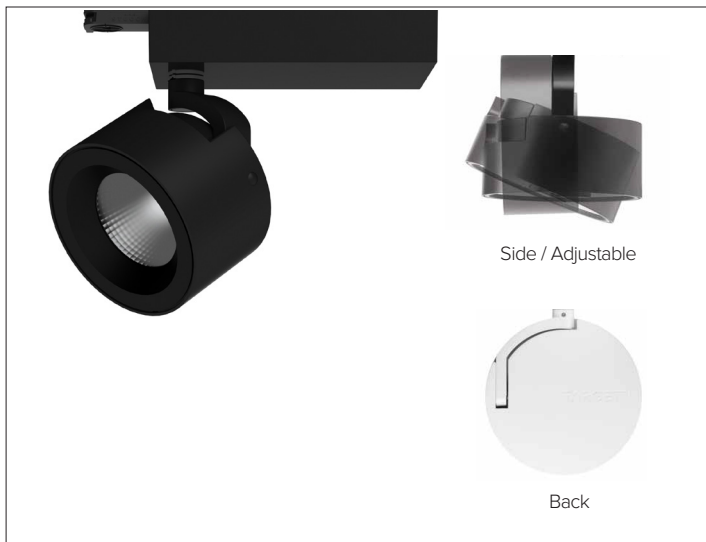
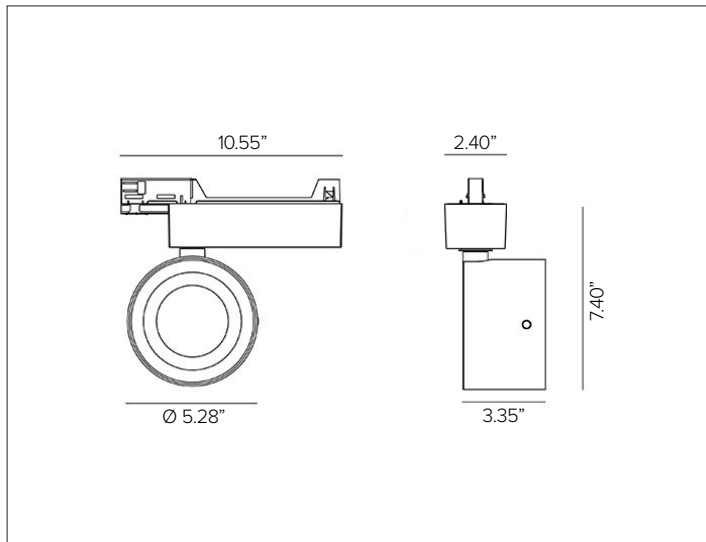


ZENO MEDIUM DBS

Professional Track Projector



ZENO MEDIUM DBS in Deep Black finish.



CONCEPT

Professional LED track projector with variable light beam opening.

MECHANICAL CHARACTERISTICS

Dimensions	Ø 5.28" Dia. x 7.40" H
Materials	Die cast aluminum finished body.
Finish	● Plaster White ● Deep Black
Functionality	Fixture can be vertically adjusted from 0° to -90° and horizontally up to 350° with secure aim locking system.
Mounting	EUROSTANDARD PLUS Track , sold separately. The fixture can be vertically adjusted from 0° to 90° and horizontally up to 355° with secure locking.
Weight	2.43lbs
Protection	IP20

CERTIFICATIONS

cULus Listed.
 Tested in accordance with LM-79-08.
 Compliant with California energy regulations.
 RoHS3 EU 215/863

WARRANTY

5 year limited warranty.

SUSTAINABILITY

Luminaire designed for disposal/recycling at end-of-life. Replaceable LED light source and control gear by a Targetti technician.

ELECTRICAL CHARACTERISTICS

Power Supply	Integrated electronic power supply for wireless bluetooth Casambi control.
Wattage	28W
Voltage	120V AC 50/60Hz
Control	Wireless bluetooth control through Casambi app interface for individual fixture and optical DBS beam control. Refer to Targetti LMS (Light Management System) for detailed information.

SOURCE

High efficiency LED Chip on Board.

TM30	CCT (Nominal)	CRI	Rf	Rg	SDCM
	2700K	90	94	103	2
	3000K	90	95	93	2
	3500K	90	93	99	2
	4000K	90	92	102	2

OPTIC

Hybrid optical system composed of a specular anodized aluminum reflector, optical glass lens and holder in black PPS, Lens Vector liquid crystal glass lenses that are electronically controlled to regulate light diffusion and the beam opening from SP to WFL with PMMA holographic filter.



Beam	DBS 16°-59°
Delivered Lumens	3000K 1719-1776Lm 4000K 2136-2207Lm
	<i>For 2700K lumen values use multiplier of 0.96 from 3000K For 3500K lumen values use multiplier of 1.02 from 3000K.</i>
Efficacy	79Lm/W max. Refer to photometric graphs for specific values.
Lifetime	L92/B10 >30,000hrs at max TA +25°C L89/B10 >50,000hrs at max TA +25°C
Photobiological Classification	Low risk photobiological safety RG1

ZENO MEDIUM DBS

SPECIFICATION INFORMATION



1 - PRODUCT CODE	2 - DRIVER	3 - FINISH	4 - OPTICS	5 - WATTAGE	5 - KELVIN	6 - TRACK
ZOM — ZENO MEDIUM	CA — CASAMBI	PW — Plaster White DB — Deep Black	DBS — DBS	L1 — 28W	27 — 2700K 30 — 3000K 35 — 3500K 40 — 4000K	REQUIRED See EUROSTANDARD PLUS TRACK spec sheet for specification information.

7 - OPTICAL ACCESSORIES	8 - CONTROLLER
Accessory Holder Ring See section for details Blade Light Linear Spread Lens See section for details Adjustable Barn Doors See section for details Asymmetric Snoot See section for details Cut-off See section for details	Casambi Xpress See section for details

ZENO MEDIUM DBS

7 – OPTICAL ACCESSORIES (OPTIONAL)

MAXIMUM OF ONE ACCESSORY PER FIXTURE.



Aluminum accessory holder ring. **Required with the use of all optical accessories. Not compatible with WW optic.**

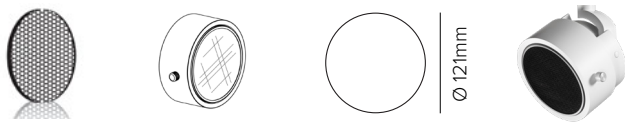
Finish Plaster White Deep Black

Part No. **1T6059** **1T6501**



Blade of Light® linear spread lens. PMMA holographic filter for a blade of light effect. **To be completed with accessory holder ring. Not compatible with WW optic.**

Part No. **1T6060**



Anti-glare louver. Lacquered metal honeycomb structure. **To be completed with accessory holder ring. Not compatible with WW optic.**

Finish Deep Black

Part No. **1T6061**



Cut-off made of steel painted black. **To be completed with accessory holder ring. Not compatible with WW optic.**

Finish Deep Black

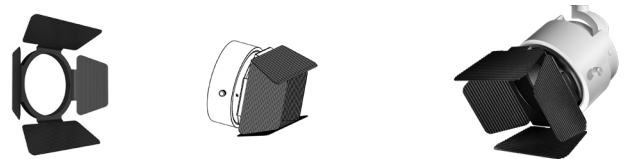
Part No. **1T6062**



Asymmetric cut-off, painted steel. **To be completed with accessory holder ring. Not compatible with WW optic.**

Finish Deep Black

Part No. **1T6063**



Adjustable barn door, painted steel. **To be completed with accessory holder ring. Not compatible with WW optic.**

Finish Deep Black

Part No. **1T6064**

8 - CONTROLLER (OPTIONAL)



Casambi Xpress remote controller, indoor mounted only. Four programmable presets. CR2430 battery (Included). **For wireless blue tooth Casambi control only. Optional remote control below.**

Finish

Part No. **SWITCH26** **SWITCH25**

Plaster White Finish Deep Black Finish

ZENO MEDIUM DBS

PHOTOMETRY

SPOT

3000K		H(m)	D(m)	Emax(lx)		
Ra97			16°			
Fixture Power	28W	1	0.27	17721		
Source Flux	2602lm	2	0.55	4430		
Fixture Flux	1719lm	3	0.82	1969		
Efficacy	61lm/W	4	1.10	1108		
TS1225	I _{max} =6811cd/klm	I _{max}	17721cd	5	1.37	709

4000K		H(m)	D(m)	Emax(lx)		
Ra97			16°			
Fixture Power	28W	1	0.27	18307		
Source Flux	2688lm	2	0.55	4577		
Fixture Flux	1776lm	3	0.82	2034		
Efficacy	63lm/W	4	1.10	1144		
TS1225	I _{max} =6811cd/klm	I _{max}	18307cd	5	1.37	732

WIDE FLOOD

3000K		H(m)	D(m)	Emax(lx)		
Ra97			59°			
Fixture Power	28W	1	1.12	2590		
Source Flux	2602lm	2	2.24	648		
Fixture Flux	2136lm	3	3.36	288		
Efficacy	76lm/W	4	4.48	162		
TS1225	I _{max} =996cd/klm	I _{max}	2592cd	5	5.60	104

4000K		H(m)	D(m)	Emax(lx)		
Ra97			59°			
Fixture Power	28W	1	1.12	2676		
Source Flux	2688lm	2	2.24	669		
Fixture Flux	2207lm	3	3.36	297		
Efficacy	79lm/W	4	4.48	167		
TS1225	I _{max} =996cd/klm	I _{max}	2677cd	5	5.60	107

ZENO MEDIUM DBS

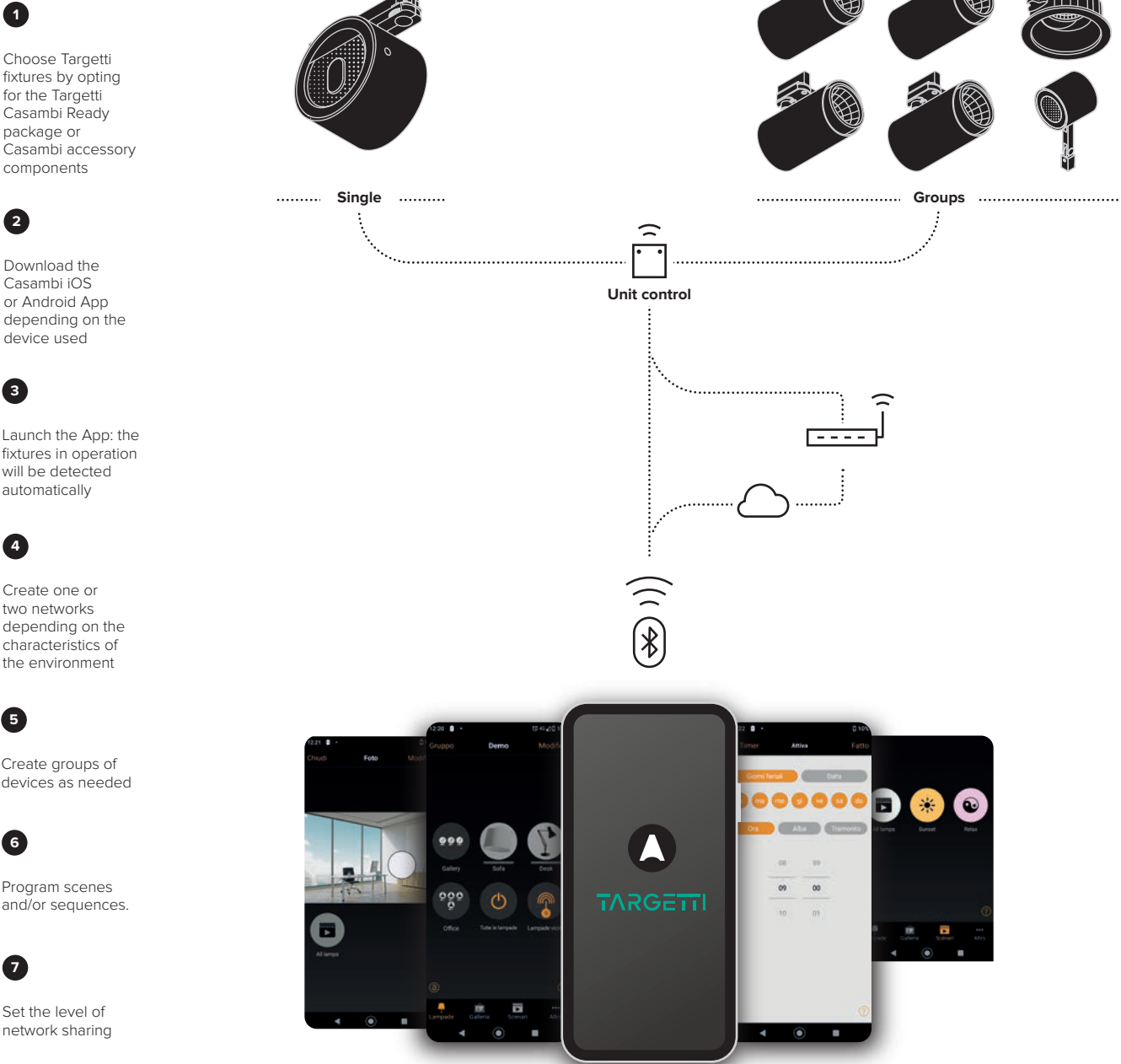
CONTROL SYSTEM

Controlling light has never been easier. Targetti [LMS \(Light Management System\)](#) with Control by Casambi was created to make it possible to control light via Bluetooth Low Energy without the use of any special cables, ensuring system operational readiness. This wireless technology is compatible with all modern smart devices: smartphones, tablets and even smartwatches. Targetti fixtures are equipped with a special interface that allows them to communicate with each other to create a remotely controllable "smart" network.

The advantages are boundless. The possibility for users to interact with lighting – varying intensity, tone and shape in complete freedom and autonomy according to their needs. The design approach known as Human Centric Lighting that places people at the center of lighting projects.

Flexible and easy to use, suitable for managing all types of simple to more complex systems, LMS is a future-oriented system that can be constantly updated because it can be used with a simple application that can be downloaded onto a mobile device to manage the entire system in wireless mode.

INSTALLATION SEQUENCE



1
Choose Targetti fixtures by opting for the Targetti Casambi Ready package or Casambi accessory components

2
Download the Casambi iOS or Android App depending on the device used

3
Launch the App: the fixtures in operation will be detected automatically

4
Create one or two networks depending on the characteristics of the environment

5
Create groups of devices as needed

6
Program scenes and/or sequences.

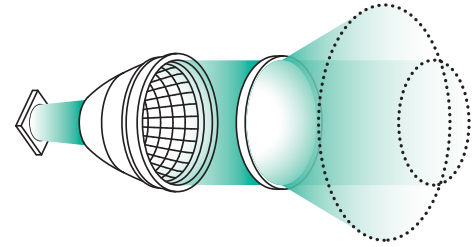
7
Set the level of network sharing

ZENO MEDIUM DBS

DBS – DYNAMIC BEAM SHAPING

Uniform light and contemporary atmosphere.

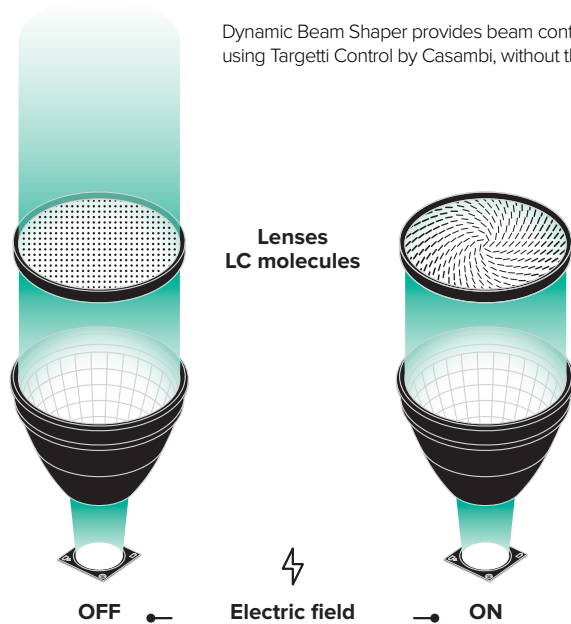
Dynamic Beam Shaping (DBS) optical technology was created from the desire to give designers a sophisticated yet simple to use tool. Technology that we were the first to develop in the lighting sector together with Lens Vector – a leading American company in lens design - that makes it possible to vary the beam opening of fixtures via digital input without any mechanical system. With DBS we combined LED sources, collimated optics and lenses equipped with liquid crystal molecules that can be activated and oriented using an electric field thus creating a light diffusion process.



HOW IT WORKS

Liquid crystal materials are widely used in projectors and LC (LCD) displays. They are elongated molecules that are naturally aligned in the same direction. The DBS lens is composed of two glass substrates separated by spacers that are sealed to contain the liquid crystal materials in a kind of "sandwich". When an electric field is applied to the lens the molecules change direction and refocus the light that passes through the lens. Managing the electric field and the direction of the molecules it is possible to shape the light beam.

Dynamic Beam Shaper provides beam control from 15° to 55°, allowing designers to create scenes and manage lighting in different environments using Targetti Control by Casambi, without the use of mechanical systems, scales or replacement optics.



HOW IT'S CONTROLLED

Using the Casambi app, available for IOS and Android, it is possible to dim the sources, set the desired beam opening and create dynamic scenes. The same fixture controlled from any smart device provides infinite possibilities.

