



# ZENO

## SMALL ESTRAIBILE

### GENERAL INFO

Recessed, extractable and adjustable LED professional projector.

The optical unit can be adjusted from 0 to 90° on the vertical plane and 360° on the horizontal plane with the possibility to block beam.

Ø105mm

### LED

COB Chip on board  
From 1430lm to 1692lm  
3000K – 4000K  
Ra97

### PRODUCT EFFICACY

Up to 90lm/W

### OPTICS

NSP – SP – FL – MWFL – WFL

### POWER SUPPLY

Electronic – DALI  
Casambi control: the DALI version is fitted with special accessories.

### MATERIAL

Die-cast painted aluminium body.

A range of professional projectors especially for museum lighting, given the quality of the LED sources, the cutting edge optics and installation flexibility.

Also available in a projector version in three different sizes.

ZENO SMALL		
		Ø105mm
LED	Flux (lm)	1430- 1692
	Power	11W - 12W
OPTICS		
NSP	LENTICULAR	•
SP	LENTICULAR	•
FL	LENTICULAR	•
MWFL	REFLECTOR	•
WFL	REFLECTOR	•



# ZENO plus

01



## Trimless and complete with decorative ring

Recessed extractable fixture that can combine the flexibility of a projector with the ability to blend into the architecture.

02

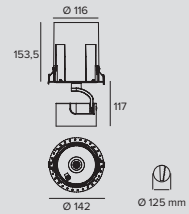


**The optical body**  
to be moved into four different positions.

# ZENO



## Small Extractable



### LED / 11W / LENS / NSP

3000K		H(m)	D(m)	E <sub>max</sub> (lx)
Ra97			7°	
Fixture Power	15W	1	0.13	24183
Source Flux	1619lm	2	0.26	6046
Fixture Flux	712lm	3	0.39	2687
Efficacy	48lm/W	4	0.52	1511
TS1063	I <sub>max</sub> =14937cd/klm	I <sub>max</sub>	24183cd	5
			0.65	967

Driver	Colour	3000K	4000K
EL.	○	<b>1T6551EL</b>	<b>1T6552EL</b>
EL.	●	<b>1T6553EL</b>	<b>1T6554EL</b>
DALI	○	<b>1T6551DA</b>	<b>1T6552DA</b>
DALI	●	<b>1T6553DA</b>	<b>1T6554DA</b>

### LED / 12W / LENS / SP

3000K		H(m)	D(m)	E <sub>max</sub> (lx)
Ra97			10°	
Fixture Power	14W	1	0.18	17263
Source Flux	1430lm	2	0.36	4316
Fixture Flux	1101lm	3	0.54	1918
Efficacy	82lm/W	4	0.72	1079
TS1064	I <sub>max</sub> =12072cd/klm	I <sub>max</sub>	17263cd	5
			0.89	691

Driver	Colour	3000K	4000K
EL.	○	<b>1T6555EL</b>	<b>1T6556EL</b>
EL.	●	<b>1T6557EL</b>	<b>1T6558EL</b>
DALI	○	<b>1T6555DA</b>	<b>1T6556DA</b>
DALI	●	<b>1T6557DA</b>	<b>1T6558DA</b>

### LED / 12W / LENS / FL

3000K		H(m)	D(m)	E <sub>max</sub> (lx)
Ra97			28°	
Fixture Power	14W	1	0.49	4536
Source Flux	1430lm	2	0.99	1134
Fixture Flux	1115lm	3	1.48	504
Efficacy	83lm/W	4	1.98	284
TS1065	I <sub>max</sub> =3172cd/klm	I <sub>max</sub>	4536cd	5
			2.47	181

Driver	Colour	3000K	4000K
EL.	○	<b>1T6559EL</b>	<b>1T6560EL</b>
EL.	●	<b>1T6561EL</b>	<b>1T6562EL</b>
DALI	○	<b>1T6559DA</b>	<b>1T6560DA</b>
DALI	●	<b>1T6561DA</b>	<b>1T6562DA</b>

### LED / 12W / REFLECTOR / MWFL

3000K		H(m)	D(m)	E <sub>max</sub> (lx)
Ra97			48°	
Fixture Power	14W	1	0.90	1860
Source Flux	1430lm	2	1.79	465
Fixture Flux	1178lm	3	2.69	207
Efficacy	87lm/W	4	3.59	116
TS1066	I <sub>max</sub> =1307cd/klm	I <sub>max</sub>	1870cd	5
			4.48	74

Driver	Colour	3000K	4000K
EL.	○	<b>1T6563EL</b>	<b>1T6564EL</b>
EL.	●	<b>1T6565EL</b>	<b>1T6566EL</b>
DALI	○	<b>1T6563DA</b>	<b>1T6564DA</b>
DALI	●	<b>1T6565DA</b>	<b>1T6566DA</b>

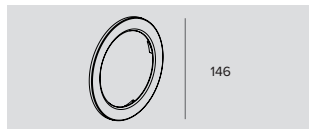
### LED / 12W / REFLECTOR / WFL

3000K		H(m)	D(m)	E <sub>max</sub> (lx)
Ra97			58°	
Fixture Power	14W	1	1.11	1400
Source Flux	1430lm	2	2.21	350
Fixture Flux	1188lm	3	3.32	156
Efficacy	88lm/W	4	4.43	88
TS1067	I <sub>max</sub> =1001cd/klm	I <sub>max</sub>	1432cd	5
			5.53	56

Driver	Colour	3000K	4000K
EL.	○	<b>1T6567EL</b>	<b>1T6568EL</b>
EL.	●	<b>1T6569EL</b>	<b>1T6570EL</b>
DALI	○	<b>1T6567DA</b>	<b>1T6568DA</b>
DALI	●	<b>1T6569DA</b>	<b>1T6570DA</b>

## Related codes

### Decorative Ring

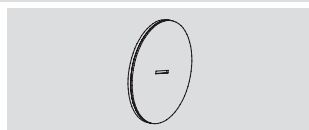


Ø	Colour	Code
146	○	<b>1T6579</b>
146	●	<b>1T6580</b>

Round ring. Accessory is not compatible with the Trimless versions.

## Accessories

### Filter



Code

**1T6572**

Blade of light filter.  
Methacrylate olographic filter.  
This makes the beam take on an oval shape and when combined with spotlights, the light blade appears more prominent.  
To be completed with a dedicated holder ring.

### Grid

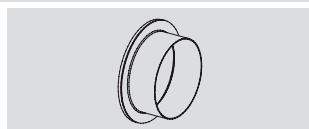


Code

**1T6573**

Anti-glare louver.  
Black lacquered aluminium honeycomb structure.  
To be completed with a dedicated holder ring.

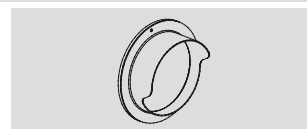
### Cut-off



Code

**1T6574**

Black painted steel cut-off.  
To be completed with a dedicated holder ring.



Code

**1T6575**

Black painted steel asymmetric cut-off.  
To be completed with a dedicated holder ring.

### RAY Shade

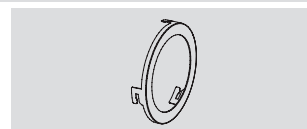


Code

**1T6576**

Adjustable barn doors flaps made of black painted steel.  
To be completed with a dedicated holder ring.

### Holder Ring



Code

**1T6571**

Black painted aluminium accessory holder ring.

### Control systems



Code

**1T5349**

A wireless control module with a DALI interface. It generates a local DALI bus which makes it possible to connect a LED driver directly to a DALI interface. The module can only be used in a closed system and cannot be connected to an existing DALI network. The module is wireless controlled using a Casambi app for smartphones and tablets using Bluetooth 4.0 technology. IP20



Code

**1T5352**

IP20 Extender for wireless control with DALI interfaces. It generates a local DALI bus with the capacity to drive up to 64 fixtures and can control groups of fixtures in indoor applications. It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.

# ZENO

## GENERAL INFO

Professional LED projector.  
The optical unit can be adjusted from 0 to -90° on the vertical plane; and 355° on the horizontal plane with aiming blocking system.

LARGE Ø184mm  
MEDIUM Ø134mm  
SMALL Ø105mm

## LED

Chip on board  
From 1430lm to 5121lm  
3000K – 4000K  
Ra97

## PRODUCT EFFICACY

Up to 90lm/W

## OPTICS

SP – FL – MWFL – WFL – WW  
DBS - Digital beam opening control

## POWER SUPPLY

Electronic – DALI - Casambi on board

## MATERIAL

Die-cast painted aluminium optical unit and power supply body.

A range of professional projectors especially for museum lighting, given the quality of the LED sources, the cutting edge optics and installation flexibility.

Also available in an applique and recessed version.

		SMALL	MEDIUM	LARGE
		Ø105mm	Ø134mm	Ø184mm
LED	Flux (lm)	1430-1692	1881-2688	2463-5121
	Power	11W - 12W	18W - 26W	26W - 52W
OPTICS				
NSP	LENTICULAR	•		
NSP	INDIRECT		•	•
SP	LENTICULAR	•		
SP	HYBRID			•
FL	LENTICULAR	•		
FL	HYBRID		•	•
MWFL	REFLECTOR	•	•	•
WFL	REFLECTOR	•	•	•
WW	REFLECTOR		•	•





# Magnani Rocca Foundation

COUNTRY  
Parma, Italy

2018



# ZENO plus

01



## Designed around the LED source

it has six different optical systems for as many lighting effects, three installation types - projector, wall mounted and recessed -and three different sizes. Particularly innovative from the point of view of the optics, it includes the "indirect Narrow spot" optic that works on reflection and makes it possible to obtain extremely narrow (6°), clean and defined beams . Also available in a **DBS – Dynamic Beam Shaper**

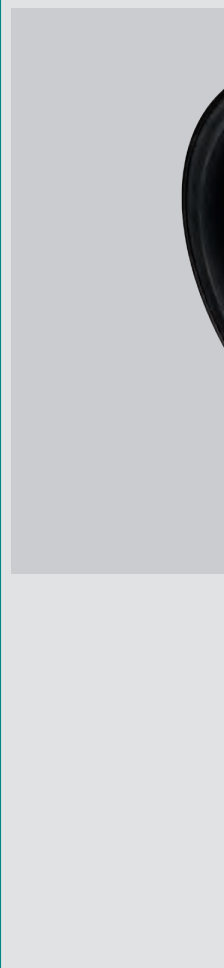
02



## Design studied right down to the smallest detail

The proportions, depth reduced to a minimum while maintaining excellent heat dissipation, the shape of the distinctive bracket element that disappears and becomes an integral part of the power supply body, are just some of the characteristics of the range.

03



04



### **ZENO LARGE equipped with an indirect Narrow Spot optic**

to obtain a clean, precise and extremely powerful beam. Great variety of optical accessories. It works by reflection which means the lamp is hidden from sight and aimed towards the parabolic reflector which collimates the beam and emits a particularly defined, precise cone of light. This makes it suitable for museum lighting or where defined, narrow beams with minimum fall-off are required.



### **Great variety of optical accessories**

such as a Flap, Zoom, Cut-Off and corrective filters to satisfy even the most complex lighting requirements.

05



### **Balance projector**

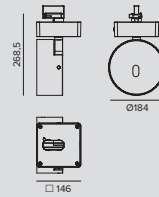
The fixture was designed so that the centre of gravity remains on the axis; this means perfect balance on the track.



# ZENO



## Large NSP



### LED / 26W / INDIRECT / NSP

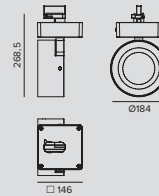


	3000K	H(m)	D(m)	E <sub>max</sub> (lx)		
	Ra97		6°			
	Fixture Power	28W	1	0.11	121856	
	Source Flux	2463lm	2	0.22	30464	
	Fixture Flux	1736lm	3	0.33	13540	
	Efficacy	62lm/W	4	0.45	7616	
TS980	I <sub>max</sub> =49475cd/klm	I <sub>max</sub>	121856cd	5	0.56	4874

Driver	Colour	3000K	4000K
EL.	○	<b>1T5377EL</b>	<b>1T5378EL</b>
EL.	●	<b>1T5379EL</b>	<b>1T5380EL</b>
DALI	○	<b>1T5377DA</b>	<b>1T5378DA</b>
DALI	●	<b>1T5379DA</b>	<b>1T5380DA</b>
CASAMBI	○	<b>1T5377DACA</b>	<b>1T5378DACA</b>
CASAMBI	●	<b>1T5379DACA</b>	<b>1T5380DACA</b>



## Large



### LED / 51W / HYBRID / SP



	3000K	H(m)	D(m)	E <sub>max</sub> (lx)		
	Ra97		17°			
	Fixture Power	54W	1	0.30	26788	
	Source Flux	4985lm	2	0.60	6697	
	Fixture Flux	2842lm	3	0.89	2976	
	Efficacy	52lm/W	4	1.19	1674	
TS981	I <sub>max</sub> =5374cd/klm	I <sub>max</sub>	26788cd	5	1.49	1072

Driver	Colour	3000K	4000K
EL.	○	<b>1T5381EL</b>	<b>1T5382EL</b>
EL.	●	<b>1T5383EL</b>	<b>1T5384EL</b>
DALI	○	<b>1T5381DA</b>	<b>1T5382DA</b>
DALI	●	<b>1T5383DA</b>	<b>1T5384DA</b>
CASAMBI	○	<b>1T5381DACA</b>	<b>1T5382DACA</b>
CASAMBI	●	<b>1T5383DACA</b>	<b>1T5384DACA</b>

### LED / 51W / HYBRID / FL



	3000K	H(m)	D(m)	E <sub>max</sub> (lx)		
	Ra97		27°			
	Fixture Power	54W	1	0.47	15064	
	Source Flux	4985lm	2	0.94	3766	
	Fixture Flux	3194lm	3	1.42	1674	
	Efficacy	59lm/W	4	1.89	942	
TS982	I <sub>max</sub> =3022cd/klm	I <sub>max</sub>	15064cd	5	2.36	603

Driver	Colour	3000K	4000K
EL.	○	<b>1T5385EL</b>	<b>1T5386EL</b>
EL.	●	<b>1T5387EL</b>	<b>1T5388EL</b>
DALI	○	<b>1T5385DA</b>	<b>1T5386DA</b>
DALI	●	<b>1T5387DA</b>	<b>1T5388DA</b>
CASAMBI	○	<b>1T5385DACA</b>	<b>1T5386DACA</b>
CASAMBI	●	<b>1T5387DACA</b>	<b>1T5388DACA</b>

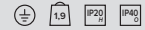
### LED / 51W / REFLECTOR / MWFL



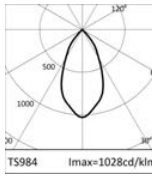
	3000K	H(m)	D(m)	E <sub>max</sub> (lx)		
	Ra97		38°			
	Fixture Power	54W	1	0.69	7001	
	Source Flux	4985lm	2	1.38	1750	
	Fixture Flux	4088lm	3	2.07	778	
	Efficacy	75lm/W	4	2.76	438	
TS983	I <sub>max</sub> =1417cd/klm	I <sub>max</sub>	7066cd	5	3.44	280

Driver	Colour	3000K	4000K
EL.	○	<b>1T5389EL</b>	<b>1T5390EL</b>
EL.	●	<b>1T5391EL</b>	<b>1T5392EL</b>
DALI	○	<b>1T5389DA</b>	<b>1T5390DA</b>
DALI	●	<b>1T5391DA</b>	<b>1T5392DA</b>
CASAMBI	○	<b>1T5389DACA</b>	<b>1T5390DACA</b>
CASAMBI	●	<b>1T5391DACA</b>	<b>1T5392DACA</b>

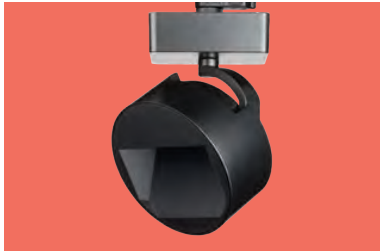
LED / 51W / REFLECTOR / WFL



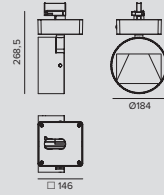
	3000K	H(m)	D(m)	E <sub>max</sub> (lx)		
	Ra97		52"			
Fixture Power	54W	1	0.97	5123		
Source Flux	4985lm	2	1.94	1281		
Fixture Flux	4078lm	3	2.91	569		
Efficacy	75lm/W	4	3.88	320		
TS984	I <sub>max</sub> =1028cd/klm	I <sub>max</sub>	5123cd	5	4.85	205



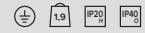
Driver	Colour	3000K	4000K
EL.	○	<b>1T5393EL</b>	<b>1T5394EL</b>
EL.	●	<b>1T5395EL</b>	<b>1T5396EL</b>
DALI	○	<b>1T5393DA</b>	<b>1T5394DA</b>
DALI	●	<b>1T5395DA</b>	<b>1T5396DA</b>
CASAMBI	○	<b>1T5393DACA</b>	<b>1T5394DACA</b>
CASAMBI	●	<b>1T5395DACA</b>	<b>1T5396DACA</b>



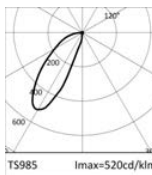
Large WW



LED / 52W / WALL WASHER



	3000K	H(m)	D1(m)	D2(m)	E <sub>max</sub> (lx)		
	Ra97		34"	81"			
Fixture Power	56W	1	0.98	1.99	1761		
Source Flux	4995lm	2	1.96	3.98	440		
Fixture Flux	2413lm	3	2.94	5.96	196		
Efficacy	43lm/W	4	3.92	7.95	110		
TS985	I <sub>max</sub> =520cd/klm	I <sub>max</sub>	2599cd	5	4.91	9.94	70



Driver	Colour	3000K	4000K
EL.	○	<b>1T5397EL</b>	<b>1T5398EL</b>
EL.	●	<b>1T5399EL</b>	<b>1T5400EL</b>
DALI	○	<b>1T5397DA</b>	<b>1T5398DA</b>
DALI	●	<b>1T5399DA</b>	<b>1T5400DA</b>
CASAMBI	○	<b>1T5397DACA</b>	<b>1T5398DACA</b>
CASAMBI	●	<b>1T5399DACA</b>	<b>1T5400DACA</b>

Accessories

Filter



Code

**1T6054**

Methacrylate olographic filter.  
This makes the beam take on an oval shape and when combined with spotlights, the light blade appears more prominent.  
To be completed with a dedicated holder ring.

Anti-glare Grid



Code

**1T6055**

Black lacquered aluminium honeycomb structure.  
To be completed with a dedicated holder ring.

Cut-off



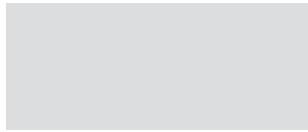
Code

**1T6056**

Black painted steel cut-off.  
To be completed with a dedicated holder ring.

# ZENO

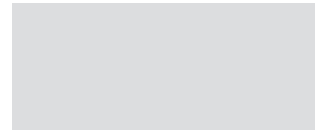
## RAY Shade



Code

**1T6057**

Black painted steel asymmetric cut-off.  
To be completed with a dedicated holder ring.

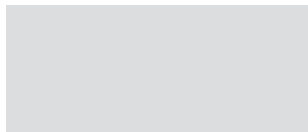


Code

**1T6058**

Adjustable barn doors flaps made of black painted steel.  
To be completed with a dedicated holder ring.

## Holder Ring



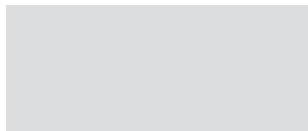
Colour Code

● **1T6500**

○ **1T6053**

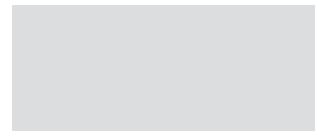
Painted aluminium accessory holder ring.

## Adapter



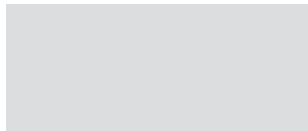
Ø	H	Driver	Colour	Code
100	32	EL.	●	<b>1T2219</b>
100	32	EL.	●	<b>1T2220</b>
100	32	EL.	○	<b>1T2221</b>

Ceiling mounting adapter for electrified track type projectors.



Ø	H	Driver	Colour	Code
104	35	DALI	●	<b>9000/BP-D-G</b>
104	35	DALI	○	<b>9000/BP-D-W</b>
104	35	DALI	●	<b>9000/BP-D-B</b>

Ceiling mounting adapter for electrified track type projectors.



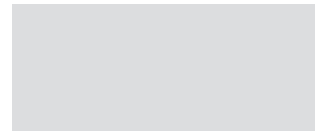
Cutout hole	Ø	H	Driver	Colour	Code
Ø105/125	130	60	EL.	●	<b>1T2222</b>
Ø105/125	130	60	EL.	○	<b>1T2223</b>
Ø105/125	130	60	EL.	●	<b>1T2224</b>

Recessed mounting adapter for electrified track type projectors.

**1T2222** - To be completed with 1T2220.

**1T2223** - To be completed with 1T2221.

**1T2224** - To be completed with 1T2219.



Cutout hole	Ø	H	Driver	Colour	Code
Ø110/115	130	67	DALI	●	<b>9000/BR-G</b>
Ø110/115	130	67	DALI	○	<b>9000/BR-W</b>
Ø110/115	130	67	DALI	●	<b>9000/BR-B</b>

Recessed mounting adapter for electrified track type projectors.

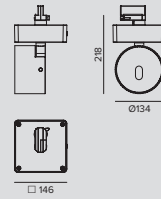
**9000/BR-G** - To be completed with 9000/BP-D-G.

**9000/BR-W** - To be completed with 9000/BP-D-W.

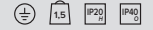
**9000/BR-B** - To be completed with 9000/BP-D-B.



## Medium NSP



### LED / 18W / INDIRECT / NSP

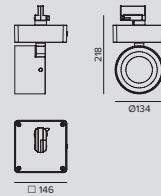


	3000K	H(m)	D(m)	E <sub>max</sub> (lx)		
	Ra97		9°			
	Fixture Power	20W	1	0.16	29156	
	Source Flux	1881lm	2	0.33	7289	
	Fixture Flux	978lm	3	0.49	3240	
	Efficacy	48lm/W	4	0.65	1822	
TS974	I <sub>max</sub> =15500cd/klm	I <sub>max</sub>	29156cd	5	0.82	1166

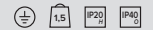
Driver	Colour	3000K	4000K
EL.	○	<b>1T5353EL</b>	<b>1T5354EL</b>
EL.	●	<b>1T5355EL</b>	<b>1T5356EL</b>
DALI	○	<b>1T5353DA</b>	<b>1T5354DA</b>
DALI	●	<b>1T5355DA</b>	<b>1T5356DA</b>
CASAMBI	○	<b>1T5353DACA</b>	<b>1T5354DACA</b>
CASAMBI	●	<b>1T5355DACA</b>	<b>1T5356DACA</b>



## Medium



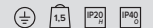
### LED / 26W / HYBRID / SP



	3000K	H(m)	D(m)	E <sub>max</sub> (lx)		
	Ra97		16°			
	Fixture Power	28W	1	0.27	17721	
	Source Flux	2602lm	2	0.55	4430	
	Fixture Flux	1735lm	3	0.82	1969	
	Efficacy	62lm/W	4	1.10	1108	
TS975	I <sub>max</sub> =6811cd/klm	I <sub>max</sub>	17721cd	5	1.37	709

Driver	Colour	3000K	4000K
EL.	○	<b>1T5357EL</b>	<b>1T5358EL</b>
EL.	●	<b>1T5359EL</b>	<b>1T5360EL</b>
DALI	○	<b>1T5357DA</b>	<b>1T5358DA</b>
DALI	●	<b>1T5359DA</b>	<b>1T5360DA</b>
CASAMBI	○	<b>1T5357DACA</b>	<b>1T5358DACA</b>
CASAMBI	●	<b>1T5359DACA</b>	<b>1T5360DACA</b>

### LED / 26W / HYBRID / FL



	3000K	H(m)	D(m)	E <sub>max</sub> (lx)		
	Ra97		32°			
	Fixture Power	28W	1	0.56	5622	
	Source Flux	2602lm	2	1.13	1405	
	Fixture Flux	1554lm	3	1.69	625	
	Efficacy	55lm/W	4	2.26	351	
TS976	I <sub>max</sub> =2161cd/klm	I <sub>max</sub>	5622cd	5	2.82	225

Driver	Colour	3000K	4000K
EL.	○	<b>1T5361EL</b>	<b>1T5362EL</b>
EL.	●	<b>1T5363EL</b>	<b>1T5364EL</b>
DALI	○	<b>1T5361DA</b>	<b>1T5362DA</b>
DALI	●	<b>1T5363DA</b>	<b>1T5364DA</b>
CASAMBI	○	<b>1T5361DACA</b>	<b>1T5362DACA</b>
CASAMBI	●	<b>1T5363DACA</b>	<b>1T5364DACA</b>

### LED / 26W / REFLECTOR / MWFL

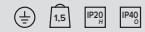


	3000K	H(m)	D(m)	E <sub>max</sub> (lx)		
	Ra97		46°			
	Fixture Power	28W	1	0.84	3642	
	Source Flux	2602lm	2	1.68	911	
	Fixture Flux	2128lm	3	2.52	405	
	Efficacy	76lm/W	4	3.37	228	
TS977	I <sub>max</sub> =1417cd/klm	I <sub>max</sub>	3687cd	5	4.21	146

Driver	Colour	3000K	4000K
EL.	○	<b>1T5365EL</b>	<b>1T5366EL</b>
EL.	●	<b>1T5367EL</b>	<b>1T5368EL</b>
DALI	○	<b>1T5365DA</b>	<b>1T5366DA</b>
DALI	●	<b>1T5367DA</b>	<b>1T5368DA</b>
CASAMBI	○	<b>1T5365DACA</b>	<b>1T5366DACA</b>
CASAMBI	●	<b>1T5367DACA</b>	<b>1T5368DACA</b>

# ZENO

## LED / 26W / REFLECTOR / WFL

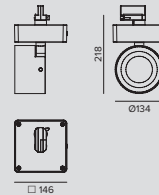


	3000K	H(m)	D(m)	E <sub>max</sub> (lx)
	Ra97		59°	
Fixture Power	28W	1	1.12	2590
Source Flux	2602lm	2	2.24	648
Fixture Flux	2136lm	3	3.36	288
Efficacy	76lm/W	4	4.48	162
TS978	I <sub>max</sub> =996cd/klm	I <sub>max</sub>	2592cd	5
			5.60	104

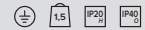
Driver	Colour	3000K	4000K
EL.	○	<b>1T5369EL</b>	<b>1T5370EL</b>
EL.	●	<b>1T5371EL</b>	<b>1T5372EL</b>
DALI	○	<b>1T5369DA</b>	<b>1T5370DA</b>
DALI	●	<b>1T5371DA</b>	<b>1T5372DA</b>
CASAMBI	○	<b>1T5369DACA</b>	<b>1T5370DACA</b>
CASAMBI	●	<b>1T5371DACA</b>	<b>1T5372DACA</b>



## Medium DBS



## LED / 26W / DBS



	3000K	H(m)	D(m)	E <sub>max</sub> (lx)
	Ra97		16°	
Fixture Power	28W	1	0.28	12144
Source Flux	2602lm	2	0.56	3036
Fixture Flux	1244lm	3	0.84	1349
Efficacy	44lm/W	4	1.12	759
TS1096	I <sub>max</sub> =4667cd/klm	I <sub>max</sub>	12144cd	5
			1.40	486

Driver	Colour	3000K	4000K
CASAMBI	○	<b>1T6941CA</b>	<b>1T6943CA</b>
CASAMBI	●	<b>1T6942CA</b>	<b>1T6944CA</b>

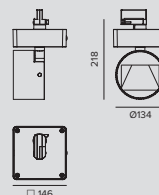
	3000K	H(m)	D(m)	E <sub>max</sub> (lx)
	Ra97		25°	
Fixture Power	28W	1	0.45	4670
Source Flux	2602lm	2	0.89	1167
Fixture Flux	1202lm	3	1.34	519
Efficacy	43lm/W	4	1.79	292
TS1097	I <sub>max</sub> =1795cd/klm	I <sub>max</sub>	4670cd	5
			2.24	187

	3000K	H(m)	D(m)	E <sub>max</sub> (lx)
	Ra97		34°	
Fixture Power	28W	1	0.61	2562
Source Flux	2602lm	2	1.23	640
Fixture Flux	1168lm	3	1.84	285
Efficacy	42lm/W	4	2.45	160
TS1098	I <sub>max</sub> =984cd/klm	I <sub>max</sub>	2562cd	5
			3.07	102

	3000K	H(m)	D(m)	E <sub>max</sub> (lx)
	Ra97		42°	
Fixture Power	28W	1	0.78	1615
Source Flux	2602lm	2	1.55	404
Fixture Flux	1108lm	3	2.33	179
Efficacy	40lm/W	4	3.11	101
TS1099	I <sub>max</sub> =620cd/klm	I <sub>max</sub>	1615cd	5
			3.88	65



## Medium WW



## LED / 26W / WALL WASHER

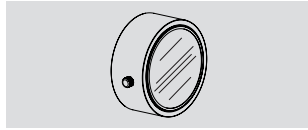


	3000K	H(m)	D1(m)	D2(m)	E <sub>max</sub> (lx)
	Ra97		34°	54°	
Fixture Power	28W	1	1.06	1.18	1345
Source Flux	2602lm	2	2.11	2.35	336
Fixture Flux	1473lm	3	3.17	3.53	149
Efficacy	53lm/W	4	4.23	4.71	84
TS979	I <sub>max</sub> =745cd/klm	I <sub>max</sub>	1939cd	5	
			5.28	5.89	54

Driver	Colour	3000K	4000K
EL.	○	<b>1T5373EL</b>	<b>1T5374EL</b>
EL.	●	<b>1T5375EL</b>	<b>1T5376EL</b>
DALI	○	<b>1T5373DA</b>	<b>1T5374DA</b>
DALI	●	<b>1T5375DA</b>	<b>1T5376DA</b>
CASAMBI	○	<b>1T5373DACA</b>	<b>1T5374DACA</b>
CASAMBI	●	<b>1T5375DACA</b>	<b>1T5376DACA</b>

# Accessories

## Filter

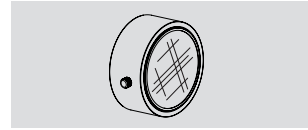


Code

**1T6060**

Methacrylate olographic filter.  
This makes the beam take on an oval shape and when combined with spotlights, the light blade appears more prominent.  
To be completed with a dedicated holder ring.

## Anti-glare Grid

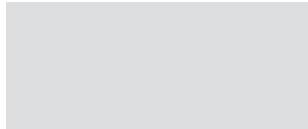


Code

**1T6061**

Black lacquered aluminium honeycomb structure.  
To be completed with a dedicated holder ring.

## Cut-off

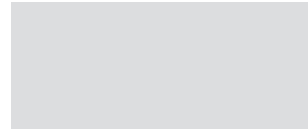


Code

**1T6062**

Black painted steel cut-off.  
To be completed with a dedicated holder ring.

## Holder Ring



Colour

Code



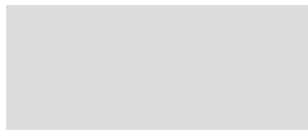
**1T6059**



**1T6501**

Black painted aluminium accessory holder ring.

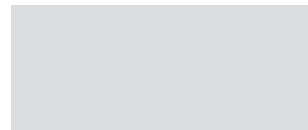
## RAY Shade



Code

**1T6063**

Black painted steel asymmetric cut-off.  
To be completed with a dedicated holder ring.

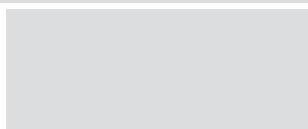


Code

**1T6064**

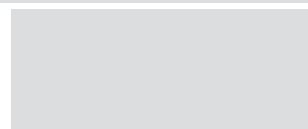
Adjustable barn doors flaps made of black painted steel.  
To be completed with a dedicated holder ring.

## Adapter



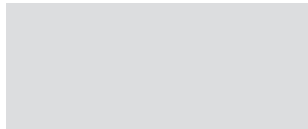
Ø	H	Driver	Colour	Code
100	32	EL.	●	<b>1T2219</b>
100	32	EL.	●	<b>1T2220</b>
100	32	EL.	○	<b>1T2221</b>

Ceiling mounting adapter for electrified track type projectors.



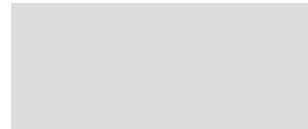
Ø	H	Driver	Colour	Code
104	35	DALI	●	<b>9000/BP-D-G</b>
104	35	DALI	○	<b>9000/BP-D-W</b>
104	35	DALI	●	<b>9000/BP-D-B</b>

Ceiling mounting adapter for electrified track type projectors.



Cutout hole	Ø	H	Driver	Colour	Code
Ø105/125	130	60	EL.	●	<b>1T2222</b>
Ø105/125	130	60	EL.	○	<b>1T2223</b>
Ø105/125	130	60	EL.	●	<b>1T2224</b>

Recessed mounting adapter for electrified track type projectors.  
**1T2222** - To be completed with 1T2220.  
**1T2223** - To be completed with 1T2221.  
**1T2224** - To be completed with 1T2219.



Cutout hole	Ø	H	Driver	Colour	Code
Ø110/115	130	67	DALI	●	<b>9000/BR-G</b>
Ø110/115	130	67	DALI	○	<b>9000/BR-W</b>
Ø110/115	130	67	DALI	●	<b>9000/BR-B</b>

Recessed mounting adapter for electrified track type projectors.  
**9000/BR-G** - To be completed with 9000/BP-D-G.  
**9000/BR-W** - To be completed with 9000/BP-D-W.  
**9000/BR-B** - To be completed with 9000/BP-D-B.



# ZENO



## Small

### LED / 11W / LENS / NSP □ 0.55 IP40

3000K		H(m)	D(m)	E <sub>max</sub> (lx)
Ra97			7°	
Fixture Power	15W	1	0.13	24183
Source Flux	1619lm	2	0.26	6046
Fixture Flux	712lm	3	0.39	2687
Efficacy	48lm/W	4	0.52	1511
TS1063	I <sub>max</sub> =14937cd/klm	I <sub>max</sub>	24183cd	5 0.65 967

Driver	Colour	3000K	4000K
EL.	○	<b>1T6531EL</b>	<b>1T6532EL</b>
EL.	●	<b>1T6533EL</b>	<b>1T6534EL</b>
DALI	○	<b>1T6531DA</b>	<b>1T6532DA</b>
DALI	●	<b>1T6533DA</b>	<b>1T6534DA</b>

### LED / 12W / LENS / SP □ 0.55 IP40

3000K		H(m)	D(m)	E <sub>max</sub> (lx)
Ra97			10°	
Fixture Power	14W	1	0.18	17263
Source Flux	1430lm	2	0.36	4316
Fixture Flux	1101lm	3	0.54	1918
Efficacy	82lm/W	4	0.72	1079
TS1064	I <sub>max</sub> =12072cd/klm	I <sub>max</sub>	17263cd	5 0.89 691

Driver	Colour	3000K	4000K
EL.	○	<b>1T6535EL</b>	<b>1T6536EL</b>
EL.	●	<b>1T6537EL</b>	<b>1T6538EL</b>
DALI	○	<b>1T6535DA</b>	<b>1T6536DA</b>
DALI	●	<b>1T6537DA</b>	<b>1T6538DA</b>

### LED / 12W / LENS / FL □ 0.55 IP40

3000K		H(m)	D(m)	E <sub>max</sub> (lx)
Ra97			28°	
Fixture Power	14W	1	0.49	4536
Source Flux	1430lm	2	0.99	1134
Fixture Flux	1115lm	3	1.48	504
Efficacy	83lm/W	4	1.98	284
TS1065	I <sub>max</sub> =3172cd/klm	I <sub>max</sub>	4536cd	5 2.47 181

Driver	Colour	3000K	4000K
EL.	○	<b>1T6539EL</b>	<b>1T6540EL</b>
EL.	●	<b>1T6541EL</b>	<b>1T6542EL</b>
DALI	○	<b>1T6539DA</b>	<b>1T6540DA</b>
DALI	●	<b>1T6541DA</b>	<b>1T6542DA</b>

### LED / 12W / REFLECTOR / MWFL □ 0.55 IP40

3000K		H(m)	D(m)	E <sub>max</sub> (lx)
Ra97			48°	
Fixture Power	14W	1	0.90	1860
Source Flux	1430lm	2	1.79	465
Fixture Flux	1178lm	3	2.69	207
Efficacy	87lm/W	4	3.59	116
TS1066	I <sub>max</sub> =1307cd/klm	I <sub>max</sub>	1870cd	5 4.48 74

Driver	Colour	3000K	4000K
EL.	○	<b>1T6543EL</b>	<b>1T6544EL</b>
EL.	●	<b>1T6545EL</b>	<b>1T6546EL</b>
DALI	○	<b>1T6543DA</b>	<b>1T6544DA</b>
DALI	●	<b>1T6545DA</b>	<b>1T6546DA</b>

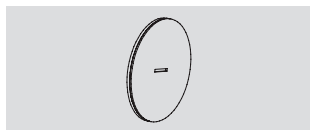
### LED / 12W / REFLECTOR / WFL □ 0.55 IP40

3000K		H(m)	D(m)	E <sub>max</sub> (lx)
Ra97			58°	
Fixture Power	14W	1	1.11	1400
Source Flux	1430lm	2	2.21	350
Fixture Flux	1188lm	3	3.32	156
Efficacy	88lm/W	4	4.43	88
TS1067	I <sub>max</sub> =1001cd/klm	I <sub>max</sub>	1432cd	5 5.53 56

Driver	Colour	3000K	4000K
EL.	○	<b>1T6547EL</b>	<b>1T6548EL</b>
EL.	●	<b>1T6549EL</b>	<b>1T6550EL</b>
DALI	○	<b>1T6547DA</b>	<b>1T6548DA</b>
DALI	●	<b>1T6549DA</b>	<b>1T6550DA</b>

# Accessories

## Filter

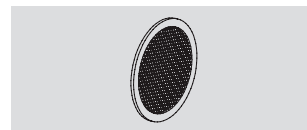


Code

**1T6572**

Blade of light filter.  
Methacrylate olographic filter.  
This makes the beam take on an oval shape and when combined with spotlights, the light blade appears more prominent.  
To be completed with a dedicated holder ring.

## Grid

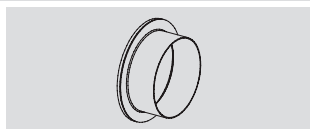


Code

**1T6573**

Anti-glare louver.  
Black lacquered aluminium honeycomb structure.  
To be completed with a dedicated holder ring.

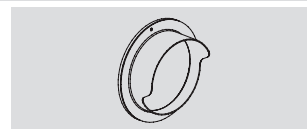
## Cut-off



Code

**1T6574**

Black painted steel cut-off.  
To be completed with a dedicated holder ring.



Code

**1T6575**

Black painted steel asymmetric cut-off.  
To be completed with a dedicated holder ring.

## RAY Shade

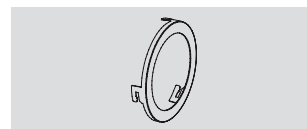


Code

**1T6576**

Adjustable barn doors flaps made of black painted steel.  
To be completed with a dedicated holder ring.

## Holder Ring



Code

**1T6571**

Black painted aluminium accessory black holder ring.

## Control systems



Code

**1T5352**

IP20 Extender for wireless control with DALI interfaces.  
It generates a local DALI bus with the capacity to drive up to 64 fixtures and can control groups of fixtures in indoor applications.  
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.  
It prevents any change to the management features provided by the Casambi system.



# ZENO

## PARETE

### GENERAL INFO

Asymmetric adjustable projector  
MEDIUM Ø134mm  
LARGE Ø184mm

### LED

Chip on Board  
From 2602lm to 5121lm  
3000K - 4000K  
Ra97

### PRODUCT EFFICACY

Up to 54lm/W

### OPTICS

WW

### POWER SUPPLY

Electronic – DALI  
Casambi control: the DALI version is fitted  
with special accessories.

### MATERIAL

Die-cast painted aluminium optical unit and  
power supply box.

A range of professional projectors especially  
for museum lighting, given the quality of the  
LED sources, the cutting edge optics and  
installation flexibility.

The wall washer optics is particularly suitable  
for lighting vaulted ceilings.

The optical unit can be adjusted from 0 to  
-90° on the vertical plane; and 355° on the  
horizontal plane with aiming blocking system.  
Available in two different sizes.

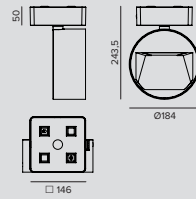
Also available in the projector and recessed  
versions.



# ZENO



## Applique Large



### LED / 52W / WALL WASHER

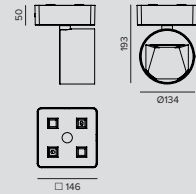


	3000K	H(m)	D1(m)	D2(m)	E <sub>max</sub> (lx)		
	Ra97	34°	81°				
	Fixture Power	56W	1	0.98	1.99	1761	
	Source Flux	4995lm	2	1.96	3.98	440	
	Fixture Flux	2413lm	3	2.94	5.96	196	
	Efficacy	43lm/W	4	3.92	7.95	110	
TS985	I <sub>max</sub> =520cd/klm	I <sub>max</sub>	2599cd	5	4.91	9.94	70

Driver	Colour	3000K	4000K
EL.	○	<b>1T6313EL</b>	<b>1T6314EL</b>
EL.	●	<b>1T6315EL</b>	<b>1T6316EL</b>
DALI	○	<b>1T6313DA</b>	<b>1T6314DA</b>
DALI	●	<b>1T6315DA</b>	<b>1T6316DA</b>



## Applique Medium



### LED / 26W / WALL WASHER



	3000K	H(m)	D1(m)	D2(m)	E <sub>max</sub> (lx)		
	Ra97	34°	54°				
	Fixture Power	28W	1	1.06	1.18	1345	
	Source Flux	2602lm	2	2.11	2.35	336	
	Fixture Flux	1473lm	3	3.17	3.53	149	
	Efficacy	53lm/W	4	4.23	4.71	84	
TS979	I <sub>max</sub> =745cd/klm	I <sub>max</sub>	1939cd	5	5.28	5.89	54

Driver	Colour	3000K	4000K
EL.	○	<b>1T6309EL</b>	<b>1T6310EL</b>
EL.	●	<b>1T6311EL</b>	<b>1T6312EL</b>
DALI	○	<b>1T6309DA</b>	<b>1T6310DA</b>
DALI	●	<b>1T6311DA</b>	<b>1T6312DA</b>

## Accessories

### Control systems



Code

**1T5349**

A wireless control module with a DALI interface. It generates a local DALI bus which makes it possible to connect a LED driver directly to a DALI interface.

The module can only be used in a closed system and cannot be connected to an existing DALI network.

The module is wireless controlled using a Casambi app for smartphones and tablets using Bluetooth 4.0 technology.

The devices create an adaptive, secure and reliable wireless mesh network that can control a large number of fixtures in a simple and efficient way.

IP20



Code

**1T5352**

IP20 Extender for wireless control with DALI interfaces.

It generates a local DALI bus with the capacity to drive up to 64 fixtures and can control groups of fixtures in indoor applications.

It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.

It prevents any change to the management features provided by the Casambi system.