Projectors

LEDÒ

TARGETTI

LEDÒ

GENERAL INFO
Professional adjustable LED projector.
The body can be adjusted from 0° to -90° on a vertical plane and by 355° on a horizontal plane with double blocking equipped with a friction system.
Ledò L. 178mm
Ledò Tunable
and DBS L. 213mm

LED
Standard e DBS
Chip on board
From 2268lm to 2734lm
3000K – 4000K
Ra97
Tunable
Chip on board
From 1960lm to 2290lm
From 2700K to 5700K
Ra90

PRODUCT EFFICACY
Up to 92lm/W

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

POWER SUPPLY
Electronic – DALI
Control: Dimmer on board – Casambi on board

MATERIAL
Painted die-cast aluminium body (L=178 mm) or extruded painted aluminium body (L=213 mm). Black polycarbonate front interchangeable optical chamber for versions with electronic drivers and with the same colour body for the other versions, back ring with radial grid for heat dissipation.

ON DEMAND
Easy Custom Colour

110-277Vac power supply

Track projectors designed for museum lighting given the precise beam modelling, the high colour quality of the light and excellent colour rendering. Available with a fixed optic with a DBS system to modulate the beam on the object to be lit up to 50°.

The Tunable version on the other hand allows to vary the colour temperature from 2700K to 5700K.

The different versions are available with an electronic driver, a dimmable on board driver or can be controlled with a smartphone using the Casambi app to manage the luminous intensity of every single fixture.
The electronic, DALI and DBS versions have an integrated driver. The Tunable version has a separate driver.

		178mm	213mm Tunable	213mm DBS
LED	Flux (lm)	2524 - 2734	1960 - 2290	2268-2350
	Power	24-25W	25W	21W
OPTICS				
SP	Hybrid	•		
	Reflector		•	
FL	Hybrid	•		
	Reflector		•	
MWFL	Reflector	•	•	
WFL	Reflector	•	•	
DBS	Variable			•

Indoor

Saint Germain des Prés
Paris, France

Lighting Design Armand Zadkian

Photographer Hugo Hebrard

Projectors

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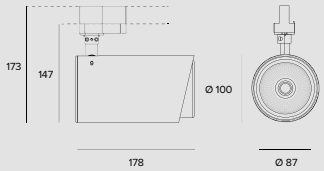
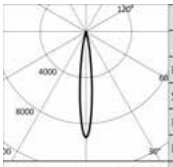
L. 178mm



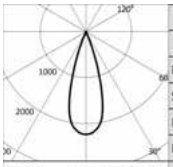
LED / 24W / HYBRID / SP



	3000K		H(m)	D(m)	Emax(lx)
	Ra97			13°	
	Fixture Power	27W	1	0.23	23221
	Source Flux	2524lm	2	0.46	5805
	Fixture Flux	1637lm	3	0.69	2580
	Efficacy	61lm/W	4	0.92	1451
TS928	Imax=9200cd/klm	Imax	5	1.14	929

Driver	Colour	3000K	4000K
EL.	○	**1T4882**	**1T4883**
EL.	◐	**1T4886**	**1T4887**
EL.	●	**1T4878**	**1T4879**
DIMM ON BOARD	◔	**1T4890**	
DIMM ON BOARD	○	**1T4892**	
DIMM ON BOARD	◐	**1T4894**	
DALI	◔	**1T4896**	
DALI	○	**1T4898**	
DALI	◐	**1T4900**	

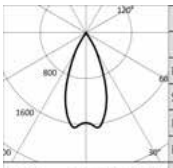
LED / 24W / HYBRID / FL



	3000K		H(m)	D(m)	Emax(lx)
	Ra97			33°	
	Fixture Power	27W	1	0.58	5627
	Source Flux	2524lm	2	1.17	1407
	Fixture Flux	1541lm	3	1.75	625
	Efficacy	57lm/W	4	2.33	352
TS929	Imax=2229cd/klm	Imax	5	2.92	225

Driver	Colour	3000K	4000K
EL.	○	**1T4884**	**1T4885**
EL.	◐	**1T4888**	**1T4889**
EL.	●	**1T4880**	**1T4881**
DIMM ON BOARD	◔	**1T4891**	
DIMM ON BOARD	○	**1T4893**	
DIMM ON BOARD	◐	**1T4895**	
DALI	◔	**1T4897**	
DALI	○	**1T4899**	
DALI	◐	**1T4901**	

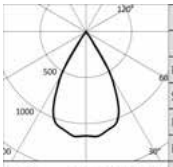
LED / 24W / REFLECTOR / MWFL



	3000K		H(m)	D(m)	Emax(lx)
	Ra97			45°	
	Fixture Power	27W	1	0.82	4295
	Source Flux	2642lm	2	1.64	1074
	Fixture Flux	2296lm	3	2.46	477
	Efficacy	85lm/W	4	3.28	268
TS930	Imax=1655cd/klm	Imax	5	4.10	172

Certificate	Driver	Colour	3000K	4000K
ENEC	EL.	○	**1T3491**	**1T3492**
ENEC	EL.	◐	**1T3499**	**1T3500**
ENEC	EL.	●	**1T3483**	**1T3484**
	DIMM ON BOARD	◔	**1T4369**	
	DIMM ON BOARD	○	**1T4373**	
	DIMM ON BOARD	◐	**1T4377**	
	DALI	◔	**1T4381**	
	DALI	○	**1T4385**	
	DALI	◐	**1T4389**	

LED / 24W / REFLECTOR / WFL



	3000K		H(m)	D(m)	Emax(lx)
	Ra97			59°	
	Fixture Power	27W	1	1.13	2989
	Source Flux	2642lm	2	2.26	747
	Fixture Flux	2329lm	3	3.39	332
	Efficacy	86lm/W	4	4.51	187
TS931	Imax=1142cd/klm	Imax	5	5.64	120

Certificate	Driver	Colour	3000K	4000K
ENEC	EL.	○	**1T3493**	**1T3494**
ENEC	EL.	◐	**1T3501**	**1T3502**
ENEC	EL.	●	**1T3485**	**1T3486**
	DIMM ON BOARD	◔	**1T4370**	
	DIMM ON BOARD	○	**1T4374**	
	DIMM ON BOARD	◐	**1T4378**	
	DALI	◔	**1T4382**	
	DALI	○	**1T4386**	
	DALI	◐	**1T4390**	

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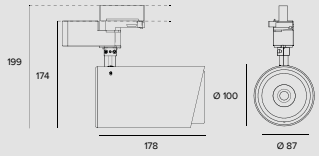
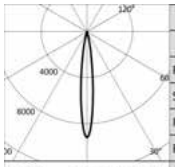
L. 178mm Casambi



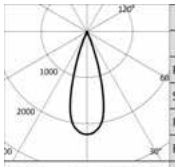
LED / 25W / HYBRID / SP



3000K		H(m)	D(m)	Emax(lx)
Ra97			13°	
Fixture Power	27W	1	0.23	23221
Source Flux	2524lm	2	0.46	5805
Fixture Flux	1637lm	3	0.69	2580
Efficacy	61lm/W	4	0.92	1451
TS928 Imax=9200cd/klm	Imax	23221cd	5	1.14	929

Driver	Colour	3000K
CASAMBI	○	**1T4896CA**
CASAMBI	○	**1T4898CA**
CASAMBI	◐	**1T4900CA**

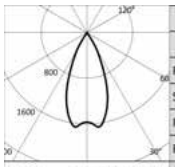
LED / 25W / HYBRID / FL



3000K		H(m)	D(m)	Emax(lx)
Ra97			33°	
Fixture Power	27W	1	0.58	5627
Source Flux	2524lm	2	1.17	1407
Fixture Flux	1541lm	3	1.75	625
Efficacy	57lm/W	4	2.33	352
TS929 Imax=2229cd/klm	Imax	5627cd	5	2.92	225

Driver	Colour	3000K
CASAMBI	○	**1T4897CA**
CASAMBI	○	**1T4899CA**
CASAMBI	◐	**1T4901CA**

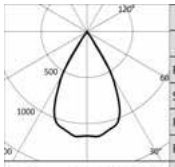
LED / 25W / REFLECTOR / MWFL



3000K		H(m)	D(m)	Emax(lx)
Ra97			45°	
Fixture Power	27W	1	0.82	4295
Source Flux	2642lm	2	1.64	1074
Fixture Flux	2296lm	3	2.46	477
Efficacy	85lm/W	4	3.28	268
TS930 Imax=1655cd/klm	Imax	4372cd	5	4.10	172

Driver	Colour	3000K
CASAMBI	○	**1T4381CA**
CASAMBI	○	**1T4385CA**
CASAMBI	◐	**1T4389CA**

LED / 25W / REFLECTOR / WFL



3000K		H(m)	D(m)	Emax(lx)
Ra97			59°	
Fixture Power	27W	1	1.13	2989
Source Flux	2642lm	2	2.26	747
Fixture Flux	2329lm	3	3.39	332
Efficacy	86lm/W	4	4.51	187
TS931 Imax=1142cd/klm	Imax	3018cd	5	5.64	120

Driver	Colour	3000K
CASAMBI	○	**1T4382CA**
CASAMBI	○	**1T4386CA**
CASAMBI	◐	**1T4390CA**

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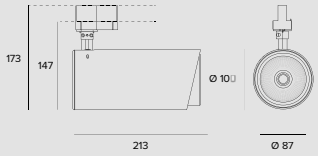
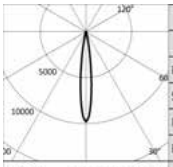
L. 213mm DBS

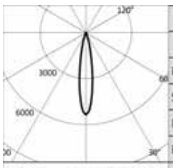


LED / 21W / DBS



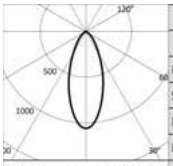
3000K		H(m)	D(m)	Emax(lx)
Ra97			14°	
Fixture Power	23W	1	0.24	22182
Source Flux	2268lm	2	0.48	5546
Fixture Flux	1800lm	3	0.72	2465
Efficacy	79lm/W	4	0.96	1386
Imax	22182cd	5	1.19	887

TS1552 Imax=9781cd/klm



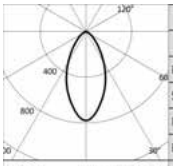
3000K		H(m)	D(m)	Emax(lx)
Ra97			18°	
Fixture Power	23W	1	0.32	12085
Source Flux	2268lm	2	0.63	3021
Fixture Flux	1779lm	3	0.95	1343
Efficacy	78lm/W	4	1.26	755
Imax	12085cd	5	1.58	483

TS1553 Imax=5329cd/klm



3000K		H(m)	D(m)	Emax(lx)
Ra97			41°	
Fixture Power	23W	1	0.75	2398
Source Flux	2268lm	2	1.50	599
Fixture Flux	1701lm	3	2.25	266
Efficacy	74lm/W	4	3.00	150
Imax	2398cd	5	3.75	96

TS1554 Imax=1057cd/klm



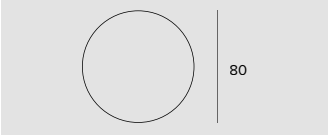
3000K		H(m)	D(m)	Emax(lx)
Ra97			51°	
Fixture Power	23W	1	0.96	1762
Source Flux	2268lm	2	1.92	441
Fixture Flux	1687lm	3	2.88	196
Efficacy	74lm/W	4	3.84	110
Imax	1762cd	5	4.80	70

TS1555 Imax=777cd/klm

Driver	Colour	3000K	4000K
CASAMBI		**1T9972CA**	**1T9976CA**
CASAMBI		**1T9969CA**	**1T9973CA**
CASAMBI		**1T9970CA**	**1T9974CA**
CASAMBI		**1T9971CA**	**1T9975CA**

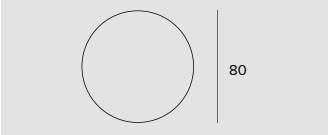
Accessories

Filter



Ø	Code
80	**1T3141**

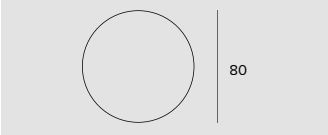
Flat glass, grooved refractive blade light filter.
This makes the beam take on an oval shape and when combined with spotlights, the light blade appears more prominent.



Ø	Code
80	**1T3140**

Flat glass micro prismatic refractive diffusive filter.
This softens the luminous effect.

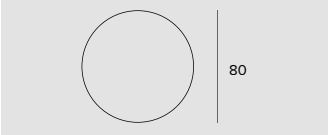
Screen



Ø	Code
80	**1T6522**

Protective screen.

Grid



Ø	Code
80	**1T3423**

Anti-glare louver.
Black painted metal honeycomb structure.

Indoor

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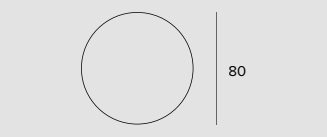
Zoom

Ø	Code
80	**1T3432**

Zoom.
Optical system consists of an optical glass flat convex lens, an anodized aluminium specular reflector and a diffusive holographic filter.
To be used after removing the existing optic.
It makes it possible to obtain a variable beam from 13° to 42°.
It can not be used with NSP and hybrid optics; no for DBS version.

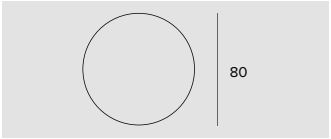
Cut-off



Ø	Code
80	**1T3142**

Cut-off Tube.
Allows for the beam to be focused while removing the fall-off component.
No for DBS version.

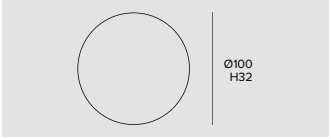
Screen



Ø	Code
80	**1T3143**

Black painted anodized diffusive aluminium asymmetric screen.
Complete with blade light filter.
Ideal for a Wall Washer effect.
To be combined with spot and flood optics.

Adapter

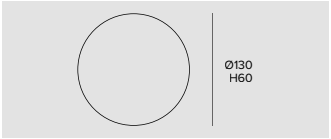


Ø	H	Driver	Colour	Code
100	32	EL.	○	**1T2221**
100	32	EL.	◐	**1T2220**
100	32	EL.	●	**1T2219**

Base for ceiling installation of projectors with an adapter for electrified track.

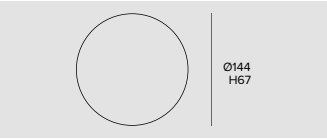
Ø	H	Driver	Colour	Code
118	38	DALI	○	**9000/BPU-D-W**
118	38	DALI	●	**9000/BPU-D-B**
118	38	DALI	●	**9000/BPU-D-G**

Base for ceiling installation of projectors with an adapter for electrified track.



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

Adapter for recessed installation of the base.
1T2223 - To be completed with 1T2221.
1T2222 - To be completed with 1T2220.
1T2224 - To be completed with 1T2219.



Cutout hole	Ø	H	Driver	Colour	Code
Ø125/130	144	67	DALI	○	**9000/BRU-W**
Ø125/130	144	67	DALI	●	**9000/BRU-B**
Ø125/130	144	67	DALI	●	**9000/BRU-G**

Adapter for recessed installation of the base.
9000/BRU-W - To be completed with 9000/BPU-D-W.
9000/BRU-B - To be completed with 9000/BPU-D-B.
9000/BRU-G - To be completed with 9000/BPU-D-G.

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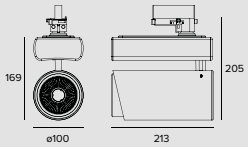
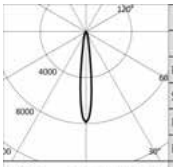
Tunable 2700-5700K



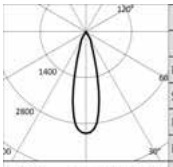
LED / 25W / SP



	5000K		H(m)	D(m)	Emax(lx)
	Ra90			14°	
	Fixture Power	29W	1	0.24	17965
	Source Flux	2290lm	2	0.48	4491
	Fixture Flux	1947lm	3	0.72	1996
	Efficacy	67lm/W	4	0.96	1123
TS1022	Imax=7845cd/klm	Imax	17965cd	5	1.20	719

Driver	Colour	CTC
CASAMBI		**1T4439CA**
CASAMBI		**1T4443CA**
CASAMBI		**1T4447CA**

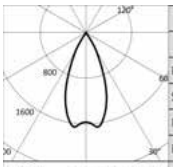
LED / 25W / FL



	5000K		H(m)	D(m)	Emax(lx)
	Ra90			27°	
	Fixture Power	29W	1	0.49	7070
	Source Flux	2290lm	2	0.97	1768
	Fixture Flux	1940lm	3	1.46	786
	Efficacy	67lm/W	4	1.95	442
TS1023	Imax=3087cd/klm	Imax	7070cd	5	2.43	283

Driver	Colour	CTC
CASAMBI		**1T4440CA**
CASAMBI		**1T4444CA**
CASAMBI		**1T4448CA**

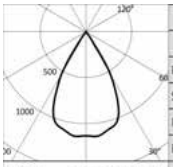
LED / 25W / MWFL



	5000K		H(m)	D(m)	Emax(lx)
	Ra90			45°	
	Fixture Power	29W	1	0.82	3722
	Source Flux	2290lm	2	1.64	931
	Fixture Flux	1990lm	3	2.46	414
	Efficacy	69lm/W	4	3.28	233
TS1024	Imax=1655cd/klm	Imax	3789cd	5	4.10	149

Driver	Colour	CTC
CASAMBI		**1T4441CA**
CASAMBI		**1T4445CA**
CASAMBI		**1T4449CA**

LED / 25W / WFL

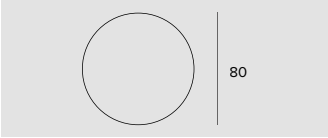


	5000K		H(m)	D(m)	Emax(lx)
	Ra90			59°	
	Fixture Power	29W	1	1.13	2590
	Source Flux	2290lm	2	2.26	647
	Fixture Flux	2018lm	3	3.39	288
	Efficacy	70lm/W	4	4.51	162
TS1025	Imax=1142cd/klm	Imax	2614cd	5	5.64	104

Driver	Colour	CTC
CASAMBI		**1T4442CA**
CASAMBI		**1T4446CA**
CASAMBI		**1T4450CA**

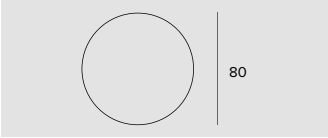
Accessories

Filter



Ø	Code
80	**1T3141**

Flat glass, grooved refractive blade light filter.
This makes the beam take on an oval shape and when combined with spotlights, the light blade appears more prominent.



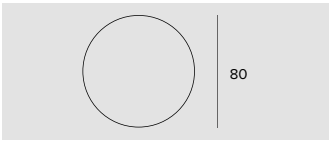
Ø	Code
80	**1T3140**

Flat glass micro prismatic refractive diffusive filter.
This softens the luminous effect.

Indoor

LEDÒ

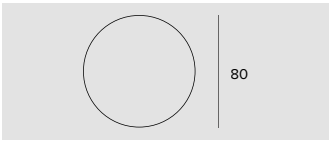
Screen



Ø	Code
80	**1T6522**

Protective screen.

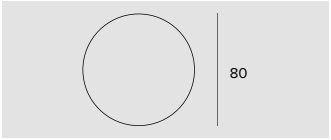
Grid



Ø	Code
80	**1T3423**

Anti-glare louver.
Black painted metal honeycomb structure.

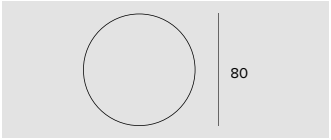
Zoom



Ø	Code
80	**1T3432**

Zoom.
Optical system consists of an optical glass flat convex lens, an anodized aluminium specular reflector and a diffusive holographic filter.
To be used after removing the existing optic.
It makes it possible to obtain a variable beam from 13° to 42°.
It can not be used with NSP and hybrid optics; no for DBS version.

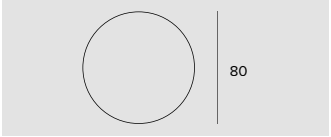
Cut-off



Ø	Code
80	**1T3142**

Cut-off Tube.
Allows for the beam to be focused while removing the fall-off component.
No for DBS version.

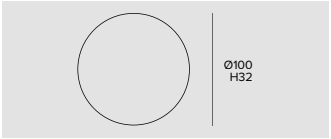
Screen



Ø	Code
80	**1T3143**

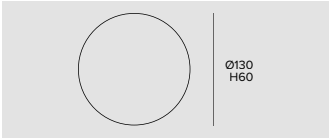
Black painted anodized diffusive aluminium asymmetric screen.
Complete with blade light filter.
Ideal for a Wall Washer effect.
To be combined with spot and flood optics.

Adapter



Ø	H	Driver	Colour	Code
100	32	EL.	○	**1T2221**
100	32	EL.	◐	**1T2220**
100	32	EL.	●	**1T2219**

Base for ceiling installation of projectors with an adapter for electrified track.



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

Adapter for recessed installation of the base.
1T2223 - To be completed with 1T2221.
1T2222 - To be completed with 1T2220.
1T2224 - To be completed with 1T2219.

Requisites and information

All fixtures of the Targetti collection have been designed and produced to comply with European Standard EN60598-1 relative to the safety requisite of light fixtures.

CE **DIRECTIVES EUROPEAN COUNCIL**

All fixtures comply with the following directives:

- EMC Directive 2014/30/EU
- LV Directive 2014/35/EU
- RoHS Directive 2011/65/EU

Unless specified otherwise

- all fixtures are supplied without lamps;
- all fixtures are sold separately;
- all measurements are expressed in millimeters;
- all fixtures at low voltage are supplied without transformer;
- For products in Class III performance is only guaranteed using the electronic power supplies and drivers indicated in the catalogue.

TARGETTI SANKEY SpA
Certificated ISO 9001 n° 9130. TAR1
Certificated ISO 14001 n° IT319206

The Enec mark, ISO9001 and ISO14001 certifications and the CE marking all guarantee that the activities carried out internally in the company are governed and controlled by procedures which assure constant level of quality.

Accredited laboratory in accordance with ISO 17025.

Consorzio ecolight

Targetti Sankey Spa is a member of the Ecolight consortium that was set up in 2004 (D.Lgs. 49/2014) to comply with the provisions of the European Directive that was adopted in Italy as the European Directive 2012/19/EU for WEEE on managing, recovering and treating waste electrical and electronic equipment, used batteries and accumulators in compliance with all applicable legislation.

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Light beam apertures

from	to	beam	
5°	10°	Narrow Spot	**NSP**
11°	25°	Spot	**SP**
26°	40°	Flood	**FL**
41°	50°	Medium Wide Flood	**MWFL**
51°	70°	Wide Flood	**WFL**
71°	120°	Very Wide Flood	**VWFL**
		Wall Washer	**WW**
		Narrow Asymmetric	**N. ASYM**
		Asymmetric	**ASYM**

Icons legend

	Class I luminaire in which the protection against electrical shock is guaranteed by the connections of the conductive elements accessible to a protective conductor (earth connection).
	Luminaire in which the connection to a protective conductor (earth connection) guarantees the immunity to radio noises.
	Class II luminaire (double insulation), protected against the accidental contact with parts under tension from the user.
III	Class III luminaire, suitable for connection to very low voltage circuits.
IP..	Solid particle and liquid ingress protection degree.
IP.. IP..	Protection degree - Recessed part . Protection degree - Exposed part.
IK..	Impact protection degree.
ENEC	ENEC European Norms Electrical Certification.

Particular symbols

0,5	Weight of the single fixture.
	Cable length.
	Walk-over.
	Driver-over safe.
SAFE FLICKER	Fixtures that have parameters below the minimum visibility threshold PstLM≤1 and SVM≤0.4 (IEC TR 61547-1 and IEC TR 63158).
DBS	Dynamic Beam Shaper optical technology with remote management of the beam opening.
Ra	LED with Ra__ where not present in the catalogue, available on request.
	Different colour temperatures available on request.
	Custom finish of your choice from the Targetti Colours range and RAL indicated in the colour chart can be downloaded on line from the download section.
	Treatment carried out on request.
	Supplied on request with an integrated or remote 110-277Vac power supply as indicated for the standard model.
	LED version with a different “Tunable White” tone available on request.

Note

- Please contact us for on demand treatments and versions.
- The performances reported on the products refer to the use of the recommended drivers.
- The drivers selected by Targetti make the fixtures “Safe Flicker”.