

TARGETTI

CCTLed ARCH MINI FIXED CLASS 2 4" Professional Fixed LED Downlight

Concept: Professional small 4" aperture recessed fixed downlight.

Materials: Painted black die-cast aluminum heat sink with white nylon body.

Trim Accessories: Multiple styles and finishes of matte polycarbonate trims and secondary reflectors available.

Source: High efficiency LED COB.

Optics: Secondary reflector in painted white polycarbonate matte aluminum. Optical unit complete with removable front ring to insert dedicated optical accessories. SP and FL versions fitted with methacrylate lenses, MWFL and WFL version equipped with precision optics with polished anodized aluminum convex facets.

Mounting: Tool-free spring-clip mounting system. Decorative trim ring mounted after fixture installation with twist lock attachment.

Driver: Remote driver available as EldoLED 0-10V dimmable drivers.

Wattage: 9W

Color Temperature: 2700°K / 3000°K / 3500°K / 4000°K

CRI: Ra+90

Delivered Lumens:

Spot 15° = 587Lm 2700°K 3000°K 3500°K 4000°K

Flood 30° = 644Lm 616Lm 547Lm 739Lm

Medium Wide Flood 45° = 744Lm 672Lm 773Lm 775Lm

894Lm 895Lm

Refer to page 6 for complete fixture data information.

Lumen Maintenance (L70): 50,000hrs

Calculation for LED fixtures are based on measurements that comply with IES LM-80.

IP Rating: IP20, IP43, (IP54 trim available)

Certifications: cULus Class 2 Damp Listed E479873

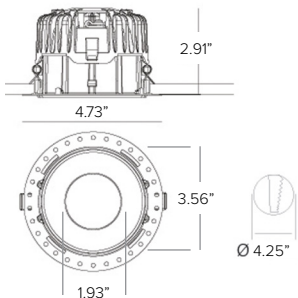
Tested in accordance with LM-79-08

Warranty: 5 year limited warranty



PRODUCT CODE	DRIVER	OPTICS	WATTAGE	COLOR TEMP	+	DRIVER	+	TRIM & REFLECTOR
CCMF CCTLed ARCH MINI FIXED	RP — Remote Power	SP — Spot 15° w/diffusion lens	L1 — 9W	27 — 2700K	+	Required (See Pg 2)	+	Required (See Pg 2)
		FL — Flood 30° w/diffusion lens		30 — 3000K				
		MW — Medium Wide Flood 45°		35 — 3500K				
				40 — 4000K				

Views



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Power Supply (REQUIRED)	Type	Max Fixture Per Driver	Output	Input/Output Voltage	Dimmability	Listing	Dimensions
PS004¹	EldoLED Eco Drive Class II Power Supply, side feed only <i>(Listed Enclosure Provided by Others)</i>	1	10W 225mA	Universal 120-277VAC	0-10V Dimmable to 1%	UR Class 2	5.12" x 2.83" x 1.35"
PS005¹	Electronic Class II Driver, side feed only <i>(Listed Enclosure Provided by Others)</i>	1	16W 350mA	120VAC	Phase Dimmable to 15%	UR Class 2	4.38" x 1.86" x 1.30"

Consult factory for additional driver options.

¹Installation of power supply must be compliant to Class 2 installation standards. Refer to NEC and local building code requirements.

* Consult factory for additional driver options (ie: DMX, DALI, wattage, size, shape, Lutron, ELDO, or others).

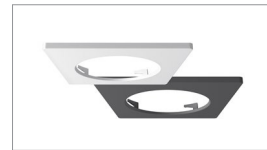
Trim (REQUIRED) - PICK ONE

ROUND TRIM	
Diameter Ø4.9".	
1T4696	Plaster White Finish
1T4697	Deep Black Finish
1T4696SI	Silver Finish
1T4696FE	Ferrite Finish
1T4696CO	Copper Finish
1T4696GO	Gold Finish
1T4696PG	Pink Gold Finish
1T4696HB	Heritage Brown Finish

SQUARE / ROUND TRIM	
Dimension 4.9"x4.9".	
1T4698	Plaster White Finish
1T4699	Deep Black Finish
1T4698SI	Silver Finish
1T4698FE	Ferrite Finish
1T4698CO	Copper Finish
1T4698GO	Gold Finish
1T4698PG	Pink Gold Finish
1T4698HB	Heritage Brown Finish



Round Trim



Square / Round Trim



PINHOLE TRIM	
For adjustable version. We recommend in combination with the black secondary reflector. Diameter Ø4.9".	
1T4700	Plaster White Finish
1T4701	Deep Black Finish
1T4700SI	Silver Finish
1T4700FE	Ferrite Finish
1T4700CO	Copper Finish
1T4700GO	Gold Finish
1T4700PG	Pink Gold Finish
1T4700HB	Heritage Brown Finish

IP54 ROUND TRIM	
Diameter Ø4.9".	
1T4704	Plaster White Finish
1T4705	Deep Black Finish
1T4704SI	Silver Finish
1T4704FE	Ferrite Finish
1T4704CO	Copper Finish
1T4704GO	Gold Finish
1T4704PG	Pink Gold Finish
1T4704HB	Heritage Brown Finish



Pinhole Trim



Round IP54 Trim



Consult Factory

TRIMLESS CONCAVE PLASTER RING

Consult Factory

Plaster ring for trimless concave effect. Cutout Ø14.45". To be completed with one round trim ring listed above.

Secondary Reflector (REQUIRED) - PICK ONE

* Factory Installed	
1T4706	Secondary reflector white. For fixed version.
1T4707	Secondary reflector black. For fixed version.
1T4708	Secondary reflector copper. For fixed version.
1T4709	Secondary reflector gold. For fixed version.
1T6395	Secondary reflector silver. For fixed version.
1T5927	Secondary reflector ferrite. For fixed version.
1T6396	Secondary reflector pink gold. For fixed version.
1T5928	Secondary reflector heritage brown. For fixed version.



Secondary Reflector

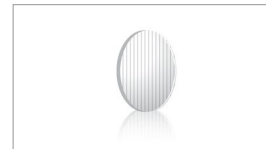
OPTICAL ACCESSORIES	
49881	Chromatic filter Red. Glass made, with dichroic treatment. Diameter 2".
49882	Chromatic filter Green. Glass made, with dichroic treatment. Diameter 2".
49886	Chromatic filter Blue. Glass made, with dichroic treatment. Diameter 2".
49887	Chromatic filter Yellow. Glass made, with dichroic treatment. Diameter 2".
49959	Chromatic filter Magenta. Glass made, with dichroic treatment. Diameter 2".
1T1745	Chromatic filter Cold tone. Interference glass filter to vary the colour temperature of light. Diameter 2".
1T1748	Chromatic filter Gold tone. Interference glass filter to vary the colour temperature of light. Diameter 2".
1T1751	Chromatic filter Peach tone. Interference glass filter to vary the colour temperature of light. Diameter 2".
1T4721	Parallel ribbed glass light blade filter. This makes the beam take on an oval shape, more evident when combined with spot and flood optics. Diameter 2".
1T4322	Anti-glare grid. Black lacquered metal honeycomb structure. Diameter 2".
1T4324	Zoom optical system consists of flat convex lens in optical glass, specular reflector in anodized aluminium and diffusive holographic filter. To be used after removing the existing optic. It allows to obtain a variable beam from 15° to 60°. Diameter 2".



Chromatic Filter



Tone Filter



1T4721



1T4322



1T4324

COLOURS

ELEGANT MATTE:

Impalpable, "powdery" pastel colours with timeless traditional black and white, with a smooth yet matt finish for a refined modern effect.



PLASTER WHITE



DEEP BLACK



ROSE

ELEGANT BRILLIANT:

Fresh, vibrant and elegant colours. The brilliant finish creates shades to coordinate with elegant and sophisticated architecture fearlessly.



SILVER



GOLD



PINK GOLD

NATURE BRILLIANT:

A textural, instinctive colour palette that recalls nature and the earth. Warm, metallic, precious colours with a brilliant, silky finish.



COPPER



FERRITE



HERITAGE BROWN

TARGETTI

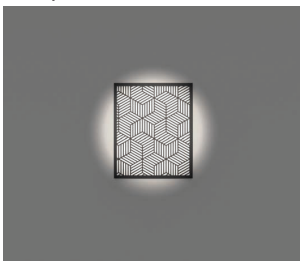
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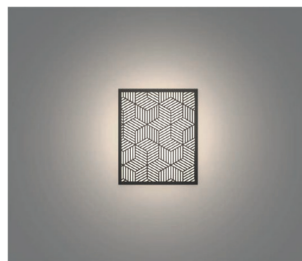
OPTICAL SYSTEM

The optical system is the heart of every lighting fixture and its role is to adapt to the lamp, control emission and create the light beam. Every optical system is different, calibrated by a specific lamp to maximise performance and designed to interpret a lighting task to the full. Following rapid developments in LED lamps and new technology associated with them it is now more important than ever to look for new solutions, geometry and materials. Given the importance and specificity of this function Targetti has an internal design department dedicated to constantly creating and evolving its optical systems. Extremely innovative proprietary systems that are very different to each other, often protected by patents are developed with careful attention to the precision of the light beams and the best efficiency possible.

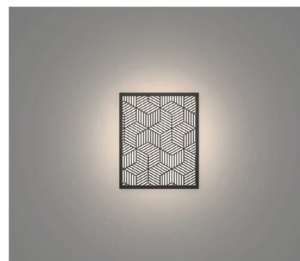
example



LENTICULAR OPTIC - SPOT



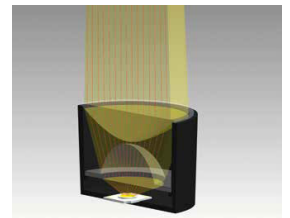
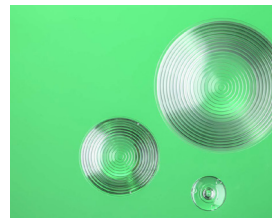
HYBRID OPTIC - SPOT



REFLECTOR OPTIC - SPOT

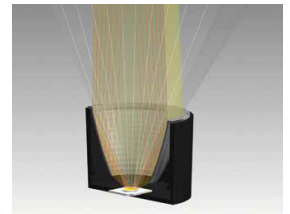
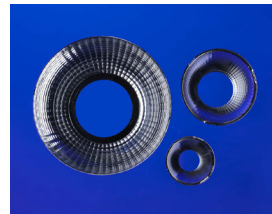
LENTICULAR

These are the most sophisticated. Small in size with very high quality materials and particular shapes. They are used widely in museums to obtain perfect and defined light beams. From a technical point of view it is said that they allow to collimate the beams and to “cut” all the indirect emission components. Generally they are used to create more precise beams where both performance and precision are essential requirements. Optics made with different lens geometries and materials depending on the type of LED lamp, whether a single or linear module, range from plano-convex optical glass from the best Italian tradition, to Fresnel lenses printed in noble plastic materials or innovative transparent cylindrical rods.



FACETED

They ensure the best performance in terms of energy saving and come in all beam openings – from the narrowest to the widest – and allow for perfect mixing with soft wide tones between light and shade. These characteristics make them more suitable for retail and hospitality environments. They are made from high vacuum metallized plastic protected with a Scratch Proof Formula or from polished anodized pure aluminum. Their high reflectance always ensures high optical efficiency. Profiles designed with the best simulation software with ellipsoidal convex facets generate various beam angles with an optimal light mix. A precise and enveloping light at the same time.



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Photometry

SPOT					POLAR GRAPH	CONE OF LIGHT			
Fixture Power	9W						(Ft) Alpha=7.0°=7.0° G=0.0°	Max Med ftcd ftcd	1860 1222 465 306 207 136 116 78 74 49
Fixture Output	587Lm	616Lm	547Lm	739Lm					
Kelvin Temp	2700°K	3000°K	3500°K	4000°K					
Beam Spread	SP 15°	SP 15°	SP 15°	SP 15°					
I _{Max}	9472cd/klm	9472cd/klm	9472cd/klm	9472cd/klm					
Efficacy	65 Lm/W	68 Lm/W	61 Lm/W	82 Lm/W					

FLOOD					POLAR GRAPH	CONE OF LIGHT			
Fixture Power	9W						(Ft) Alpha=14.0°=14.0° G=0.0°	Max Med ftcd ftcd	691 377 148 94 66 42 37 24 24 15
Fixture Output	644Lm	672Lm	773Lm	775Lm					
Kelvin Temp	2700°K	3000°K	3500°K	4000°K					
Beam Spread	FL 30°	FL 30°	FL 30°	FL 30°					
I _{Max}	2627cd/klm	2627cd/klm	2627cd/klm	2627cd/klm					
Efficacy	72 Lm/W	75 Lm/W	86 Lm/W	86 Lm/W					

MEDIUM WIDE FLOOD					POLAR GRAPH	CONE OF LIGHT			
Fixture Power	9W						(Ft) Alpha=24.2°=24.2° G=0.0° Max not at G	Max Med ftcd ftcd	303 182 76 45 34 20 19 11 12 7
Fixture Output	744Lm	777Lm	894Lm	895Lm					
Kelvin Temp	2700°K	3000°K	3500°K	4000°K					
Beam Spread	MFL 45°	MFL 45°	MFL 45°	MFL 45°					
I _{Max}	1372cd/klm	1372cd/klm	1372cd/klm	1372cd/klm					
Efficacy	83 Lm/W	86 Lm/W	99 Lm/W	99 Lm/W					