

TARGETTI

STORE GIMBAL CLASS 2

Adjustable Recessed LED Projector Downlight

Concept: Professional single COB LED in small aperture 6" recessed adjustable downlight.

Materials: Painted die-cast aluminium projector body and external ring. Polycarbonate internal ring. Available in black and white. Gimbal System to adjust the optical unit 30° vertically and 355° horizontally.

Optics: Primary optical assembly complete with metal precision optic with convex facets (SP, FL, MWF and WFL) optics.

Mounting: Plentum accessible removable plasterframe with tool-free spring-clip mounting system, frame ordered separately.

Driver: Remote driver available as EldoLED Eco (1%) dimmable drivers. Consult factory for other driver options.

Finish: Plaster White / Deep Black

Wattage: 19W

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

CRI: Ra97 (2700°K / 3000°K), Ra90 (3500°K), Ra84 (4000°K)

Delivered Lumens: **3000°K** **4000°K**

Spot 14°	=	1712Lm	1769Lm
Flood 27°	=	1706Lm	1763Lm
Medium Wide Flood			
45°	=	1750Lm	1808Lm
Wide Flood 59°	=	1774Lm	1833Lm

Lumen Maintenance (L70): 50,000hrs

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

IP Rating: IP20 (Housing IP), IP23 (Optic IP)

Certifications: cULus Class 2 Listed E479873

Tested in accordance with LM-79-08

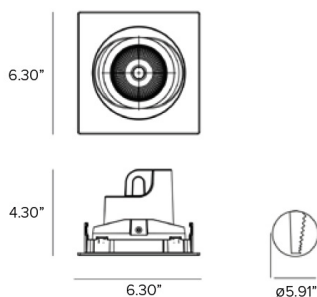
^ATitle 24 commercial installation compliant.

Warranty: 5 year limited warranty



PRODUCT CODE	FIXTURE COLOR	CONFIG.	OPTICS	WATTAGE	COLOR TEMP	FRAME & POWER SUPPLY
STLG – STORE Gimbal	PW – Plaster White	S – Single	S – Spot 14°	L1 – 19W	27 – 2700K	See Page 2
			F – Flood 27°		30 – 3000K	
	DB – Deep Black	M – Medium Wide Flood 45°	35 – 3500K			
		W – Wide Flood 59°	40 – 4000K			

Views



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FRAME (REQUIRED)	
1T6496	Single Frame Plaster White Finish
1T6493	Single Frame Deep Black Finish

Power Supply (REQUIRED)	Type	Max Fixture Per Driver	Output	Input/Output Voltage	Dimmability	Listing	Dimensions
PS003 ¹	EldoLED Eco Drive Class II Power Supply, side feed only <i>(Listed Enclosure Provided by Others)</i>	1	30W 500mA	Universal 120-277VAC	0-10V Dimmable to 1%	UR Class 2	5.12" x 2.83" x 1.35"

Consult factory for additional driver options.

¹ Installation 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).

OPTICAL ACCESSORIES:	
Maximum of one optical accessory per fixture	
1T3727	Transparent polycarbonate holder ring for the accessories. Required for use of all filters and glare grid.
1T1712	Chromatic filter Red. Glass made, with dichroic treatment. To be completed with dedicated holder ring. Diameter 2.8".
1T1713	Chromatic filter Green. Glass made, with dichroic treatment. To be completed with dedicated holder ring. Diameter 2.8".
1T1714	Chromatic filter Blue. Glass made, with dichroic treatment. To be completed with dedicated holder ring. Diameter 2.8".
1T1715	Chromatic filter Yellow. Glass made, with dichroic treatment. To be completed with dedicated holder ring. Diameter 2.8".
1T1716	Chromatic filter Magenta. Glass made, with dichroic treatment. To be completed with dedicated holder ring. Diameter 2.8".
1T1777	Chromatic filter Cold tone. Interference glass filter to vary the colour temperature of light. To be completed with dedicated holder ring. Diameter 2.8".
1T1786	Chromatic filter Gold tone. Interference glass filter to vary the colour temperature of light. To be completed with dedicated holder ring. Diameter 2.8".
1T1759	Chromatic filter Peach tone. Interference glass filter to vary the colour temperature of light. To be completed with dedicated holder ring. Diameter 2.8".
1T1708	Parallel ribbed glass light blade 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 additional holder ring. Diameter 2.8".
1T1709	Wired refractive flat glass diffusive filter. This softens the luminous effect. To be completed with additional holder ring. Diameter 2.8".
1T1711	Anti-glare grid. Black lacquered metal honeycomb structure. To be completed with additional holder ring. Diameter 2.8".
1T3143	Asymmetric screen in anodized diffusive aluminum, black painted outside. Complete with blade light filter. Ideal for a wall washer effect. To be combined with spot and flood optics. Diameter 3.15".
1T3432	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°. It can not be used with NSP and hybrid optics. Diameter 3.15".
1T3142	Cut-off Tube. Allows for the beam to be focused while removing the fall-off component. Diameter 3.15".



1T3727



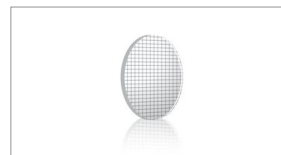
Chromatic Filters



Tonal Filters



1T1708



1T1709



1T1711



1T3143



1T3432



1T3142

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.

Reflector Optics:

FACETED

Maximum Efficiency of soft light. Made from high vacuum metallised plastic protected with a Scratch Proof Formula or from polished anodised pure aluminium, their high reflectance always ensures high optical efficiency. Profiles designed with the best simulation software and the ellipsoidal convex facets overlaid on them are calibrated to generate various beam angles with an optimal light mix to create precise, soft, clean beams.



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Photometry

SPOT			POLAR GRAPH	CONE OF LIGHT			
Fixture Power	19W	19W		(Ft)	Max	Med	
CRI	97 CRI	97 CRI		Alpha=6.8°+6.8°	ftcd	ftcd	
Fixture Output	1712Lm	1769Lm		Gamma=0°	2.00	3951	2565
Kelvin Temp	3000°K	4000°K		Beta=6.8°+6.8°	4.00	968	641
Beam Spread	Spot 14°	Spot 14°		6.00	439	285	
I _{Max}	7844cd/klm	7844cd/klm		8.00	247	160	
Efficacy	90 Lm/W	93 Lm/W		10.00	158	103	

FLOOD			POLAR GRAPH	CONE OF LIGHT			
Fixture Power	19W	19W		(Ft)	Max	Med	
CRI	97 CRI	97 CRI		Alpha=13.7°+13.7°	ftcd	ftcd	
Fixture Output	1706Lm	1763Lm		Gamma=0°	2.00	1555	1001
Kelvin Temp	3000°K	4000°K		Beta=13.7°+13.7°	4.00	389	250
Beam Spread	Flood 27°	Flood 27°		6.00	173	111	
I _{Max}	3087cd/klm	3087cd/klm		8.00	97	63	
Efficacy	90 Lm/W	93 Lm/W		10.00	62	40	

MEDIUM WIDE FLOOD			POLAR GRAPH	CONE OF LIGHT			
Fixture Power	19W	19W		(Ft)	Max	Med	
CRI	97 CRI	97 CRI		Alpha=22.3°+22.3°	ftcd	ftcd	
Fixture Output	1750Lm	1808Lm		Gamma=0°	2.00	819	504
Kelvin Temp	3000°K	4000°K		Max not at G	4.00	205	126
Beam Spread	MWF 45°	MWF 45°		Beta=22.3°+22.3°	6.00	91	56
I _{Max}	1655cd/klm	1655cd/klm		8.00	51	31	
Efficacy	92 Lm/W	95 Lm/W		10.00	33	20	

WIDE FLOOD			POLAR GRAPH	CONE OF LIGHT			
Fixture Power	19W	19W		(Ft)	Max	Med	
CRI	97 CRI	97 CRI		Alpha=29.4°+29.4°	ftcd	ftcd	
Fixture Output	1774Lm	1833Lm		Gamma=0°	2.00	569	318
Kelvin Temp	3000°K	4000°K		Max not at G	4.00	142	80
Beam Spread	WFL 59°	WFL 59°		Beta=29.4°+29.4°	6.00	63	35
I _{Max}	1141cd/klm	1141cd/klm		8.00	36	20	
Efficacy	93 Lm/W	97 Lm/W		10.00	23	13	