



OUTDOOR  
AND INDOOR  
LIGHTING

TECNOWATT  
L I G H T I N G

## TECNOWATT LIGHTING

Tecnowatt Lighting, with more than 50 years in the market, holds a prominent position in the lighting and photoelectric control segments. Located in Contagem, Minas Gerais, the company is characterized by the constant innovation of management and production processes, based on market needs and technological updates. Its international presence was consolidated by Simon Holding, which is one of the world's most solid groups.

Tecnowatt plays a fundamental role in this partnership, being one of the main production centers and responsible for products that are present in more than 50 countries. Tecnowatt's constant investments are applied in the manufacturing process of its products, which receive technologically advanced materials.





## LIGHT UP EMOTIONS

Emotions turn space into a, unique place. At Simon, we know that spaces are at the center of all our experiences and being able to fill them with nuances and different intensities is vital not only to occupy them, but also to feel the experience of living them.

In this catalog, we have grouped together a portfolio of solutions that allow integrating light in both outdoor and indoor environments to create unique spaces adapted to people's needs.





## INNOVATION AND DESIGN

With over 100 years of history, the Simon Group (to which Tecnowatt belongs) has a solid industrial know-how and international presence thanks to essential elements such as research, development, and design.

Design is an essential part of our products. Attractive designs that ensure reliability and durability, facilitating use and installation, to simplify the recycling process. And when you take great care of design, you receive international awards such as the IF Design Award, Reddot Award, X Plus Award, Delta Awards...

A constant innovation process and the application of the latest technologies at the service of people allow us to transform all the knowledge and experience accumulated into lasting and unique solutions.



## CONSULTANCY FOR YOUR PROJECT

We collaborate with all those involved in a lighting project, both in street and private spaces, offering personalized advice at every stage of the process, from the creative and design phase to installation and operation.

We work on the lighting of large areas, from small centers to large cities and their buildings, facades, Squares, Streets, pedestrian crossings, squares, walking paths, bike lanes, tunnels...

A deep understanding of the current standards in the lighting industry allows us to advise and inspire professionals who work with light.





## MAKE THE MOST OF YOUR OUTDOOR SPACE

We walk, stroll, move around, practice sports, rest, play, work, relate... we definitely live and enjoy multiple outdoor experiences.

The lighting of outdoor spaces must adapt to people's needs.

We propose environments with personalized lighting that inspire moods, highlight architecture, and create unique spaces generating an atmosphere of well-being





## LIGHT FOR ...

We offer tools for architects, engineers, and lighting designers to address the external lighting needs of both street and private spaces, creating attractive, comfortable, safe, and sustainable environments.

Light to enhance architecture and landscape so that everyone can appreciate the light both as professionals and as users of these spaces.

## ROAD LIGHTING

Light to enhance safety, sustainability, and necessary functionality for vehicle and pedestrian circulation.



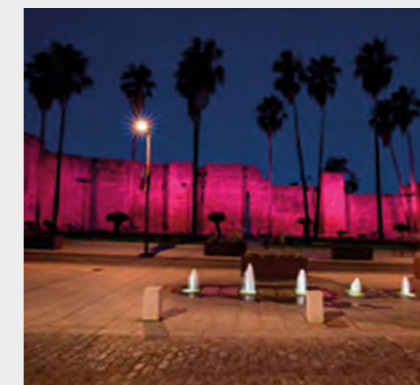
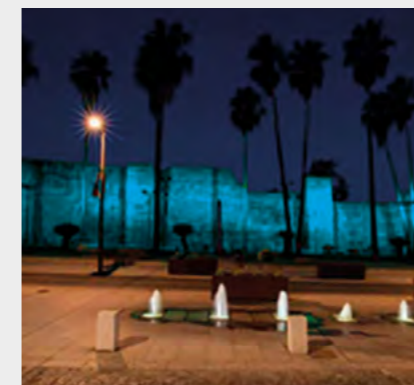
## URBAN LIGHTING

Lighting to beautify and humanize the city, contributing to the creation of its identity and the harmonization of urban space.



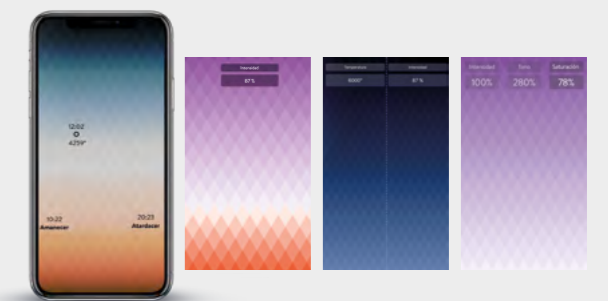
# PRECISE CONTROL OF LIGHTING

Lighting control allows for customization and adaptation of light to meet the user's needs. It allows the development of atmospheres and evokes emotions while using only the necessary amount of light, resulting in energy savings.



Scena is Simon's professional solution for light control and regulation, which integrates all customization functions while adding new features focused on creating emotions. It allows for the creation of unlimited effects by adjusting and configuring all aspects of light: color temperature, intensity, color saturation, etc. Create or pre-define static or dynamic lighting scenes

Scena control solutions adapt to all types of spaces and offer intuitive interaction through multiple interfaces or by using the Scena applications on your smartphone, catering to all types of users and usage moments.





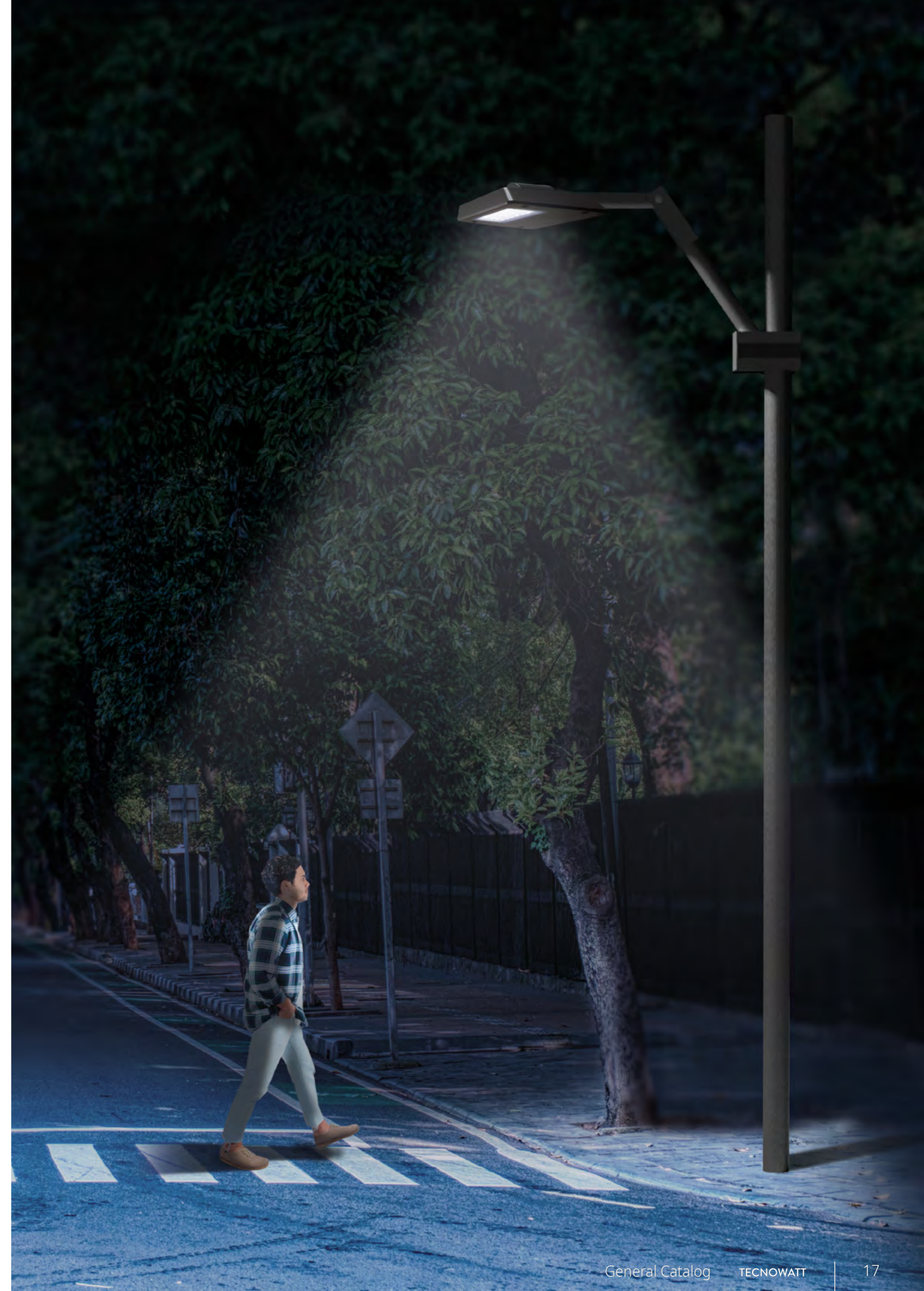
## EFFICIENT LIGHTING FOR PEDESTRIAN CROSSINGS

Street lighting plays a fundamental role in cities, so it is important to create a lighting project designed for the characteristics and needs of each location.

Pedestrian crossings, for example, require efficient lighting for the safety of pedestrians and drivers, considering factors such as the direction of vehicles, which interfere with the position, photometry of luminaires, and levels of illuminance, as mentioned in NBR 5101.

The ideal is for the lighting to highlight the vertical plane (the pedestrian's lateral visibility in relation to the driver's vision), creating contrast between the body and the environment that facilitates its visualization. In addition, it is necessary to avoid the silhouette effect, which occurs when the beam of light is against the driver and hinders their perception.

Asymmetrical beam luminaires, available in Tecnowatt's product portfolio, are the best options for this application, as they offer, among other benefits, more visual comfort to drivers.





## LED SOLUTION

Our portfolio includes features high-quality luminaires that ensure visual comfort, high luminous efficacy, and long lifespan, while respecting the environment. Explore new possibilities with our LED solutions.

### PRECISE CONTROL OF LIGHT FLOW

Optical design that allows for precise control of the luminous flux minimizing light pollution to the upper part. Our optics concentrate the light on the desired area by directing the luminous flux where it is needed.

### ENERGY EFFICIENCY

The combination of the number of LEDs, adjusted to the power supply current and different regulation protocols, allows us to precisely modulate the consumption of each luminaire, achieving an energetically efficient installation.

### STABLE LIGHT FLOW

We minimize unwanted glare by providing greater visual comfort without compromising appropriate levels of illumination for each project.

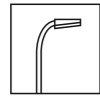
### VISUAL COMFORT

The LED technology maintains the luminous flux, ensuring the uniformity of the initial levels, throughout the luminaire's lifespan. We have a complete portfolio of optics that fit any type of project, providing visual comfort.









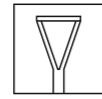


# INDEX LUMINAIRE



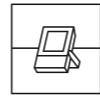
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LIGHTING  
OUTDOOR



**NATH S PRO**



**ESAT PRO**



**ESAT PEDESTRIAN CROSSING**



**TAU**



**TAU T**



**TAU M**



High-performance Tecnowatt outdoor lighting with innovative design and an advanced thermal dissipation system that also offer multiple power options for the development of precise and highly efficient lighting projects.






# NATH S PRO

An outdoor LED lighting

LED luminaire for public lighting with high luminous efficiency

Superior luminous flux up to 33,200 lm  
 Efficiency up to 156 lm/W  
 Advanced thermal management

-  Highway
-  Square
-  Garden
-  Parking Lot
-  Bike Path
-  Avenue
-  Street

# NATH FEATURES

## MODELS



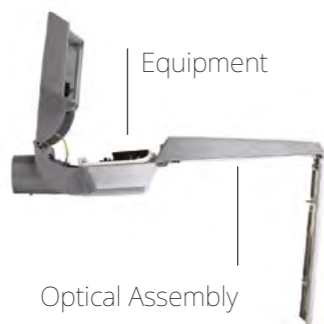
Nath S PRO

## ATTRIBUTES

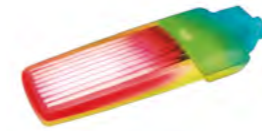


Advanced Cooling System: Heat dissipation fins on the luminaire body

A single body with two independent parts for equipment and optical assembly



## ADVANCED DESIGN



New cooling system with non-visible heat dissipation fins from the lower plane. These fins, formed on the luminaire body itself, allow an increase of LED efficiency with an advanced heat exchange system.



The luminaire features a self-cleaning system using rainwater, achieving perfect cleaning of the luminaire's external surface, so that the lighting performance is not affected over time.

## FIXING SYSTEM

Top of pole and Arm tip fastening



## FINISH

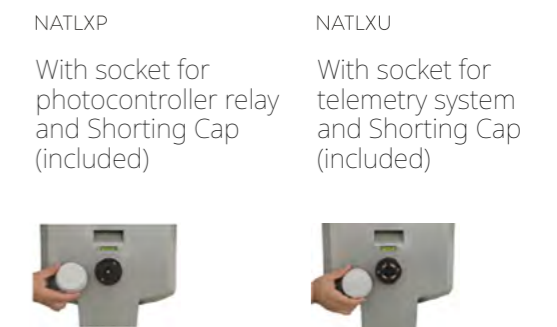
Tecnowatt standard color RAL 9007



## POSSIBILITY OF TILT ADJUSTMENT



Side mounting for arm tip up to 60.3mm

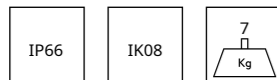




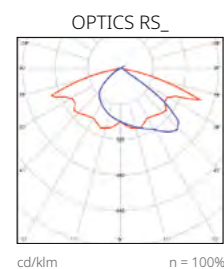


# NATH S PRO

## LED LUMINAIRE FOR OUTDOOR



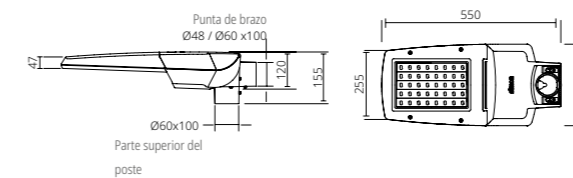
CORRELATED COLOR TEMPERATURE: 3000K | 4000K | 5000K  
 COLOR RENDERING INDEX: >70  
 ENERGY EFFICIENCY: CLASS A  
 LUMINOUS FLUX MAINTENANCE: 66,000 HRS (L70) (190W, 205W AND 225W) AND 102,000 HRS (L70) (80W)



## TECHNICAL DESCRIPTION FOR SPECIFICATION

**NATH S PRO Luminaire** with application for lighting street roads, viaducts, bridges, walkways, jogging tracks, access roads in residential and industrial condominiums, yards, Squares, squares, gardens, and Squaring lots. **Body:** High-pressure die-cast aluminum. **Diffuser:** Tempered flat clear glass. **Thermal dissipation:** Fins on the luminaire's body for heat dissipation, with a system that allows for self-cleaning of the fin surfaces with rainwater to ensure adequate thermal dissipation throughout the luminaire's life. **Closing device:** By means of screws on the front part and housing of the auxiliary equipment. With pressure relief filter in the optical group to maintain constant pressure and prevent moisture ingress. **Impact resistance:** IK08. **Weight:** 7 kg. **Dimensions:** 550 x 120 x 270 mm. **Power:** 80W to 225W. **Luminous flux:** 12,400 lm to 33,200 lm. **Efficacy:** from 148 lm/W to 155 lm/W. **Energy Efficiency:** Class A. **TCC:** 3000K, 4000K, and 5000K. **IRC:** >70. **Beam aperture:** RS\_ optics for street lighting. **Maintenance of luminous flux:** 66,000 hours (L70) for 190W, 205W, and 225W; and 102,000 (L70) for 80W. **Auxiliary equipment:** Constant current driver incorporated internally into the luminaire (1N\_On/Off or 1-10V). **Nominal voltage:** 90-305 VAC. **Frequency:** 50/60Hz. **Power factor:** >0.92. **Electrical protection of the luminaire:** Class I. **Safety:** Equipment with protection against overvoltage of 10kV/12kA connected in series, incorporated into the luminaire. **Operating temperature:** -5°C to +50°C. **Socket for photocell or Telemanagement relay:** Optional. **Installation:** Arm tip fastening - External diameter from Ø 48.3 mm to Ø 60.3 mm with possibility of tilt adjustment of -5; 0; +5; +10 and Pole top - External diameter from Ø 48.3 mm to Ø 60.3 mm with possibility of tilt adjustment of 0; +5; +10. **Maintenance:** Access to LED modules from the front of the luminaire and to the Driver and DPS from the top of the luminaire. In maintenance conditions, LED modules and Driver can be replaced. **Finish:** Electrostatic painting - Standard color Gray Munsell N6.5. Other colors upon request. **Warranty:** 5 years.

### DIMENSIONS AND FIXING SYSTEMS



<b>Arm tip fastening</b>	External diameter from 48.3 mm to 60.3 mm with the possibility of tilt adjustment of -5; 0; +5; +10
<b>Post top mount</b>	External diameter from 48.3 mm to 60.3 mm with the possibility of tilt adjustment of 0; +5; +10
<b>Weight</b>	7 Kg

### PHYSICAL CHARACTERISTICS AND MATERIALS

<b>Protection degree</b>	IP66
<b>Impact resistance</b>	IK08
<b>Body</b>	High-pressure injected aluminum
<b>Closing device</b>	Closing by means of screws on the front part and the housing of auxiliary equipment.
<b>Installation</b>	Arm tip and post-top fastening
<b>Installation</b>	Flat tempered transparent glass

### FINISHES

<b>Body</b>	Electrostatic painting / Standard color Munsell N6.5 Gray / *Other colors on request
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### ELECTRICAL PARAMETERS

<b>Operating temperature</b>	-5°C to +50°C
<b>Control</b>	<b>1N_</b> On/Off (Without regulation) <b>1-10V</b> Regulation protocol 1-10V
<b>Supply Voltage</b>	90-305 Vac
<b>Frequency</b>	50/60 Hz
<b>Surge protection</b>	10kV/12kA series-connected, incorporated into the luminaire
<b>Power factor</b>	> 0,92
<b>Electrical protection of the luminaire</b>	Class I

### QUALITY

<b>Warranty</b>	5 years
<b>Packaging</b>	Packed in a recyclable cardboard box with an identification label to protect the product during transport and storage.
<b>Maintenance</b>	Keep the diffuser surface clean to achieve maximum light output. Use a damp cloth without any abrasive or chemical products. Lubricate the joints and replace them when they are cracked. Lubricate the fasteners and/or hinges of the moving parts. Keep the thermal radiation surface clean to avoid loss of light output or reduce the life of the LEDs.



## CONFIGURATION NATH S PRO LUMINAIRE

Model	Diffuser	Cable	Optics	TCC	Power	Equipment	Control	Protection	Finishes	Description
NATSXT										NATH luminaire, size S PRO, side mounting and on pole Ø 48.3 to 60.3mm, with socket for photocell relay
NATSXG										NATH luminaire, size S PRO, for lateral and post top mounting Ø 48.3 to 60.3mm, with remote control socket
NATSXS										NATH luminaire, size S PRO, for lateral and post mounting Ø 48.3 to 60.3mm, without plug
NATSXP										NATH luminaire, size S PRO, for lateral and post mounting Ø 48.3 to 60.3mm, with socket for photocell relay and short circuit protector
NATSXU										NATH luminaire, size S PRO, for lateral and post mounting Ø 48.3 to 60.3mm, with socket for telemanagement and short circuit protector
	<b>GTF</b>									Tempered flat transparent glass
		<b>R</b>								With cable for electrical network connection
			<b>RS_</b>							Optics for street lighting
										<ul style="list-style-type: none"> <li><span style="color: yellow;">●</span> <b>WDL</b></li> <li><span style="color: white;">○</span> <b>NDL</b></li> <li><span style="color: blue;">●</span> <b>_DL</b></li> </ul>
					<b>80W</b>					12.400 lm @ 3.000K - 155 lm/W
					<b>190W</b>					29.230 lm @ 5.000K - 156 lm/W
					<b>205W</b>					31.046 lm @ 5.000K - 151 lm/W
					<b>225W</b>					33.200 lm @ 5.000K - 148 lm/W
						<b>IABRS</b>				Electronic equipment at 220 VAC 50/60 Hz, with 10 kV SPD in series in the circuit
							<b>1-10V</b>			Regulation by 1-10V protocol input
							<b>1N_</b>			Without regulation (ON/OFF)
								<b>C1</b>		Electrical protection of the luminaire Class 1
									<b>MUN6.5</b>	Standard color - Munsell N6.5 Gray



## BASIC CODE REFERENCES

Code	Model	Plug	Optics	TCC	Power	Flux	Control	Description
<b>TW4002974</b>	<b>NATH S PRO</b>	Without plug	RS_	3000K	80W	12.400 LM	ON/OFF	NAPXSXGTFRRS_WDL_80W_75IDBRS1N_C1MUN6.5
<b>TW4002975</b>	<b>NATH S PRO</b>	3 Pins	RS_	3000K	80W	12.400 LM	ON/OFF	NAPXSXGTFRRS_WDL_80W_75IDBRS1N_C1MUN6.5
<b>TW4002976</b>	<b>NATH S PRO</b>	7 Pins	RS_	3000K	80W	12.400 LM	1-10V	NAPXSXGTFRRS_WDL_80W_75IDBRS1-10C1MUN6.5
<b>TW4002774</b>	<b>NATH S PRO</b>	Without plug	RS_	5000K	190W	29.230 LM	ON/OFF	NAPXSXGTFRRS_DL190W135IDBRS1N_C1MUN6.5
<b>TW4002775</b>	<b>NATH S PRO</b>	3 Pins	RS_	5000K	190W	29.230 LM	ON/OFF	NAPXSXGTFRRS_DL190W135IDBRS1N_C1MUN6.5
<b>TW4002776</b>	<b>NATH S PRO</b>	7 Pins	RS_	5000K	190W	29.230 LM	1-10V	NAPXSXGTFRRS_DL190W135IDBRS1-10C1MUN6.5
<b>TW4002777</b>	<b>NATH S PRO</b>	Without plug	RS_	4000K	190W	29.629 LM	ON/OFF	NAPXSXGTFRRS_NDL190W135IDBRS1N_C1MUN6.5
<b>TW4002778</b>	<b>NATH S PRO</b>	3 Pins	RS_	4000K	190W	29.629 LM	ON/OFF	NAPXSXGTFRRS_NDL190W135IDBRS1N_C1MUN6.5
<b>TW4002779</b>	<b>NATH S PRO</b>	7 Pins	RS_	4000K	190W	29.629 LM	1-10V	NAPXSXGTFRRS_NDL190W135IDBRS1-10C1MUN6.5
<b>TW4002780</b>	<b>NATH S PRO</b>	Without plug	RS_	5000K	205W	31.046 LM	ON/OFF	NAPXSXGTFRRS_DL205W145IDBRS1N_C1MUN6.5
<b>TW4002781</b>	<b>NATH S PRO</b>	3 Pins	RS_	5000K	205W	31.046 LM	ON/OFF	NAPXSXGTFRRS_DL205W145IDBRS1N_C1MUN6.5
<b>TW4002782</b>	<b>NATH S PRO</b>	7 Pins	RS_	5000K	205W	31.046 LM	1-10V	NAPXSXGTFRRS_DL205W145IDBRS1-10C1MUN6.5
<b>TW4002783</b>	<b>NATH S PRO</b>	Without plug	RS_	4000K	205W	31.046 LM	ON/OFF	NAPXSXGTFRRS_NDL205W145IDBRS1N_C1MUN6.5
<b>TW4002784</b>	<b>NATH S PRO</b>	3 Pins	RS_	4000K	205W	31.046 LM	ON/OFF	NAPXSXGTFRRS_NDL205W145IDBRS1N_C1MUN6.5
<b>TW4002785</b>	<b>NATH S PRO</b>	7 Pins	RS_	4000K	205W	31.046 LM	1-10V	NAPXSXGTFRRS_NDL205W145IDBRS1-10C1MUN6.5
<b>TW4002899</b>	<b>NATH S PRO</b>	Without plug	RS_	5000K	225W	33.200 LM	ON/OFF	NAPXSXGTFRRS_DL225W150IDBRS1N_C1MUN6.5
<b>TW4002900</b>	<b>NATH S PRO</b>	3 Pins	RS_	5000K	225W	33.200 LM	ON/OFF	NAPXSXGTFRRS_DL225W150IDBRS1N_C1MUN6.5
<b>TW4002901</b>	<b>NATH S PRO</b>	7 Pins	RS_	5000K	225W	33.200 LM	1-10V	NAPXSXGTFRRS_DL225W150IDBRS1-10C1MUN6.5
<b>TW4002902</b>	<b>NATH S PRO</b>	Without plug	RS_	4000K	225W	33.000 LM	ON/OFF	NAPXSXGTFRRS_NDL225W150IDBRS1N_C1MUN6.5
<b>TW4002903</b>	<b>NATH S PRO</b>	3 Pins	RS_	4000K	225W	33.000 LM	ON/OFF	NAPXSXGTFRRS_NDL225W150IDBRS1N_C1MUN6.5
<b>TW4002904</b>	<b>NATH S PRO</b>	7 Pins	RS_	4000K	225W	33.000 LM	1-10V	NAPXSXGTFRRS_NDL225W150IDBRS1-10C1MUN6.5
<b>TW4002786</b>	<b>NATH S PRO</b>	Without plug	RS_	5000K	225W	33.200 LM	ON/OFF	NAPXSXGTFRRS_DL225W160IDBRS1N_C1MUN6.5
<b>TW4002787</b>	<b>NATH S PRO</b>	3 Pins	RS_	5000K	225W	33.200 LM	ON/OFF	NAPXSXGTFRRS_DL225W160IDBRS1N_C1MUN6.5
<b>TW4002788</b>	<b>NATH S PRO</b>	7 Pins	RS_	5000K	225W	33.200 LM	1-10V	NAPXSXGTFRRS_DL225W160IDBRS1-10C1MUN6.5
<b>TW4002789</b>	<b>NATH S PRO</b>	Without plug	RS_	4000K	225W	33.000 LM	ON/OFF	NAPXSXGTFRRS_NDL225W160IDBRS1N_C1MUN6.5
<b>TW4002790</b>	<b>NATH S PRO</b>	3 Pins	RS_	4000K	225W	33.000 LM	ON/OFF	NAPXSXGTFRRS_NDL225W160IDBRS1N_C1MUN6.5
<b>TW4002791</b>	<b>NATH S PRO</b>	7 Pins	RS_	4000K	225W	33.000 LM	1-10V	NAPXSXGTFRRS_NDL225W160IDBRS1-10C1MUN6.5





# ESAT

ESAT PRO / ESAT PEDESTRIAN CROSSING

LED Street Lighting

High Luminous Efficiency LED luminaire for street roads.

Luminous flux up to 25,924 lm  
Efficiency up to 158 lm/W  
Advanced thermal management



Road



Square



Pedestrian Lane



Parking Lot



Cycle Path



Avenues



Streets



Park / Garden

# ESAT FEATURES

## MODELS



ESAT PRO



ESAT Pedestrian Crossing

## ATTIBUTES



Fins to dissipate heat in the luminaire body

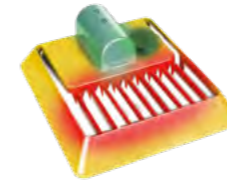


Plug options for photo-control relay or remote management



Opening through a flange fixation system with 4 screws

## HEAT DISSIPATION



Refrigeration through heat dissipation fins not visible from the lower plane. These fins formed within the luminaire body allow for increased LED performance with an advanced heat exchange system.

## SELF-CLEANING

Opening for self-cleaning rainwater system.



## FIXING ACCESSORY

Reduction bushing for 25.4 to 48.3 mm arm, not supplied with the luminaire.



## VERSIONS

ESASAS  
Without plug



ESASAT  
With socket for photocontroller relay



ESASAG  
With socket for telemetry system



ESASAP  
With socket for photocontroller relay and Shorting Cap (included)



ESASAU  
With socket for telemetry system and Shorting Cap (included)

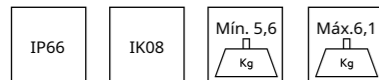




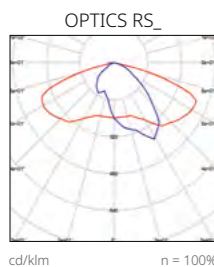


# ESAT PRO

## LED STREET LIGHTING



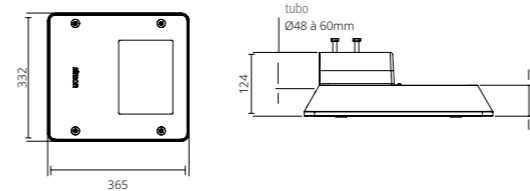
COLOR TEMPERATURE: 4000K | 5000K  
 COLOR RENDERING INDEX: >70  
 ENERGY EFFICIENCY: CLASS A  
 MAINTENANCE OF LUMINOUS FLUX: 66,000 HRS (89W, 100W, 145W, 152W, 167W, 175W, AND 192W) AND 102,000 HRS (80W AND 117W).



## TECHNICAL DESCRIPTION OF SPECIFICATIONS

**ESAT PRO luminaire** suitable for street lighting, viaducts, bridges, footbridges, jogging tracks, access roads in residential and industrial condominiums, yards, parks, squares, gardens, and parking lots. **Body:** high-pressure die-cast aluminum. **Diffuser:** transparent tempered flat glass. **Thermal dissipation:** fins on the luminaire's body to dissipate heat, with a system that allows self-cleaning of the fins' surfaces with rainwater to ensure adequate thermal dissipation throughout the luminaire's lifespan. **Closing device:** through screws on the front part. **Protection degree:** IP66 for the optical unit and the auxiliary equipment housing. With a pressure relief filter in the optical unit to maintain constant pressure and prevent moisture from entering. **Impact resistance:** IK08. **Weight:** up to 6.10 kg. **Dimensions:** 365x332x124 mm. **Power:** 80W, 89W, 100W, 117W, 145W, 152W, 167W, 175W, 192W. **Luminous flux:** from 12,132 lm to 25,924 lm. **Efficacy:** from 133lm/W to 158lm/W. **Energy efficiency:** Class A. **TCC:** 4000K and 5000K. **CRI:** >70. **Beam aperture:** RS\_ optics for street lighting **Maintenance of luminous flux:** 66,000 hours (89W, 100W, 145W, 152W, 167W, 175W, and 192W) and 102,000 hours (80W and 117W). **Auxiliary equipment:** Constant current driver integrated inside the luminaire (1N\_On/Off or 1-10V). **Nominal voltage:** 90-305 VAC. **Frequency:** 50/60Hz **Power factor:** >0.92. **Electrical protection of the luminaire:** Class I **Safety:** Built-in surge protection equipment of 10kV/12kA connected in series with the luminaire. **Operating temperature:** -5°C to +50°C. **Socket for photocell or Telemangement relay:** Optional **Installation:** Arm tip fastening. External diameter from 48.3mm to 60.3 mm. For external diameters from 25.4mm to 33.4mm, a reduction bushing is required (not provided). **Maintenance:** Access to the LED modules, Driver and DPS through the front of the luminaire. Under maintenance conditions, the LED and Driver modules can be replaced. **Finish:** Electrostatic painting - Standard color Gray Munsell N6.5. Other colors upon request. **Warranty:** 5 years.

## DIMENSIONS AND FIXATION SYSTEMS:



<b>Arm tip fastening</b>	With external diameter from 48.3 mm to 60.3 mm. For external diameter from 25.4mm to 33.4mm, a reduction bushing is required (not provided).
<b>Weight</b>	Minimum weight of 5.60 kg and maximum weight of 6.10 kg

## PHYSICAL AND MATERIAL CHARACTERISTICS

<b>Degree of protection</b>	IP66
<b>Resistencia a impactos</b>	IK08
<b>Body</b>	Injected aluminum
<b>Dispositivo de Sellado</b>	Closure through a fastening system with flange and 4 screws
<b>Instalación</b>	Arm tip fastening
<b>Diffuser</b>	Tempered flat transparent glass

## FINISHES

<b>Body</b>	Electrostatic paint Standard color Munsell N6.5 Gray *Other colors upon request
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## ELECTRICAL PARAMETERS

<b>Operating temperature</b>	-5°C a +50°C
<b>Control</b>	<b>1N_</b> On/Off (without regulation) <b>1.10V</b> Regulation protocol 1-10V
<b>Power Supply Voltage</b>	90-305Vac
<b>Frequency</b>	50/60 Hz
<b>Surge protection</b>	10kV/12kA connected in series, incorporated into luminaire
<b>Power factor</b>	>0,92
<b>Electrical protection of the luminaire</b>	Clase I

## QUALITY

<b>Warranty</b>	5 years
<b>Packaging</b>	Packed in a recyclable cardboard box with an identification label to protect the product during transport and storage.
<b>Maintenance</b>	Keep the surface of the diffuser clean for maximum luminous flux. Use a damp cloth without abrasive or chemical products. Lubricate the sealing parts and replace them when cracked. Lubricate the fixings and/or hinges of the moving parts. Keep the surface of the thermal radiation clean to avoid losing luminous flux or reducing the life span of the LEDs.



### CONFIGURATION ESAT PRO LUMINAIRE

Model	Diffuser	Cable	Optics	TCC	Power	Equipment	Control	Protection	Finishes	Description
ESRSAT										ESAT PRO luminaire, size S, side mounting and on pole Ø 48.3 to 60.3mm, with socket for photocell relay
ESRSAG										ESAT PRO luminaire, size S, for lateral and post top mounting Ø 48.3 to 60.3mm, with remote control socket
ESRSAS										ESAT PRO luminaire, size S, for lateral and post mounting Ø 48.3 to 60.3mm, without plug
ESRSAP										ESAT PRO luminaire, size S, for lateral and post mounting Ø 48.3 to 60.3mm, with socket for photocell relay and short circuit protector
ESRSAU										ESAT PRO luminaire, size S, for lateral and post mounting Ø 48.3 to 60.3mm, with socket for remote control and short circuit protector
	<b>GTF</b>									Tempered flat transparent glass
		<b>R</b>								With cable for electrical network connection
			<b>RS_</b>							Optics for street lighting
				<input type="radio"/> <b>NDL</b>						4.000 K
				<input type="radio"/> <b>_DL</b>						5.000 K
					<b>80W</b>					12.132 lm @ 5.000K – 152 lm/W
					<b>89W</b>					13.403 lm @ 5.000K – 151 lm/W
					<b>100W</b>					14.596 lm @ 5.000K – 146 lm/W
					<b>117W</b>					17.752 lm @ 5.000K – 152 lm/W
					<b>145W</b>					21.214 lm @ 5.000K - 146 lm/W
					<b>152W</b>					21.898 lm @ 5.000K - 144 lm/W
					<b>167W</b>					23.526 lm @ 5.000K - 141 lm/W
					<b>175W</b>					24.250 lm @ 5.000K - 139 lm/W
					<b>192W</b>					25.541 lm @ 5.000K - 133 lm/W
						<b>IDBRS</b>				Electronic equipment at 220 VAC 50/60 Hz, with 10 kV SPD in series in the circuit
							<b>1-10V</b>			Regulation by 1-10V protocol input
							<b>1N_</b>			Without regulation (ON/OFF)
								<b>C1</b>		Electrical protection of the luminaire Class 1
									<b>MUN6.5</b>	Standard color - Munsell N6.5 Gray



### BASIC CODE REFERENCES

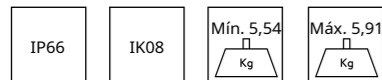
Code	Model	Plug	Optics	TCC	Power	Flux	Control	Description
TW4002862MS	ESAT PRO	Without plug	RS_	5000K	80W	12.132 LM	ON/OFF	ESRSASGTFRRS_DL_80W_73IDBRS1N_C1MUN6.5
TW4002863MS	ESAT PRO	3 Pins	RS_	5000K	80W	12.132 LM	ON/OFF	ESRSATGTFRRS_DL_80W_73IDBRS1N_C1MUN6.5
TW4002864MS	ESAT PRO	7 Pins	RS_	5000K	80W	12.132 LM	1-10V	ESRSAGGTFRRS_DL_80W_73IDBRS1-10C1MUN6.5
TW4002865MS	ESAT PRO	Without plug	RS_	4000K	80W	12.356 LM	ON/OFF	ESRSASGTFRRS_NDL_80W_73IDBRS1N_C1MUN6.5
TW4002866MS	ESAT PRO	3 Pins	RS_	4000K	80W	12.356 LM	ON/OFF	ESRSATGTFRRS_NDL_80W_73IDBRS1N_C1MUN6.5
TW4002867MS	ESAT PRO	7 Pins	RS_	4000K	80W	12.356 LM	1-10V	ESRSAGGTFRRS_NDL_80W_73IDBRS1-10C1MUN6.5
TW4002868MS	ESAT PRO	Without plug	RS_	5000K	89W	13.403 LM	ON/OFF	ESRSASGTFRRS_DL_89W_82IDBRS1N_C1MUN6.5
TW4002869MS	ESAT PRO	3 Pins	RS_	5000K	89W	13.403 LM	ON/OFF	ESRSATGTFRRS_DL_89W_82IDBRS1N_C1MUN6.5
TW4002870MS	ESAT PRO	7 Pins	RS_	5000K	89W	13.403 LM	1-10V	ESRSAGGTFRRS_DL_89W_82IDBRS1-10C1MUN6.5
TW4002871MS	ESAT PRO	Without plug	RS_	4000K	89W	13.697 LM	ON/OFF	ESRSASGTFRRS_NDL_89W_82IDBRS1N_C1MUN6.5
TW4002872MS	ESAT PRO	3 Pins	RS_	4000K	89W	13.697 LM	ON/OFF	ESRSATGTFRRS_NDL_89W_82IDBRS1N_C1MUN6.5
TW4002873MS	ESAT PRO	7 Pins	RS_	4000K	89W	13.697 LM	1-10V	ESRSAGGTFRRS_NDL_89W_82IDBRS1-10C1MUN6.5
TW4002874MS	ESAT PRO	Without plug	RS_	5000K	100W	14.596 LM	ON/OFF	ESRSASGTFRRS_DL100W_91IDBRS1N_C1MUN6.5
TW4002875MS	ESAT PRO	3 Pins	RS_	5000K	100W	14.596 LM	ON/OFF	ESRSATGTFRRS_DL100W_91IDBRS1N_C1MUN6.5
TW4002876MS	ESAT PRO	7 Pins	RS_	5000K	100W	14.596 LM	1-10V	ESRSAGGTFRRS_DL100W_91IDBRS1-10C1MUN6.5
TW4002877MS	ESAT PRO	Without plug	RS_	4000K	100W	14.769 LM	ON/OFF	ESRSASGTFRRS_NDL100W_91IDBRS1N_C1MUN6.5
TW4002878MS	ESAT PRO	3 Pins	RS_	4000K	100W	14.769 LM	ON/OFF	ESRSATGTFRRS_NDL100W_91IDBRS1N_C1MUN6.5
TW4002831MS	ESAT PRO	7 Pins	RS_	4000K	100W	14.769 LM	1-10V	ESRSAGGTFRRS_NDL100W_91IDBRS1-10C1MUN6.5
TW4002879MS	ESAT PRO	Without plug	RS_	5000K	117W	17.752 LM	ON/OFF	ESRSASGTFRRS_DL117W_81IDBRS1N_C1MUN6.5
TW4002880MS	ESAT PRO	3 Pins	RS_	5000K	117W	17.752 LM	ON/OFF	ESRSATGTFRRS_DL117W_81IDBRS1N_C1MUN6.5
TW4002881MS	ESAT PRO	7 Pins	RS_	5000K	117W	17.752 LM	1-10V	ESRSAGGTFRRS_DL117W_81IDBRS1-10C1MUN6.5
TW4002882MS	ESAT PRO	Without plug	RS_	4000K	117W	18.175 LM	ON/OFF	ESRSASGTFRRS_NDL117W_81IDBRS1N_C1MUN6.5
TW4002883MS	ESAT PRO	3 Pins	RS_	4000K	117W	18.175 LM	ON/OFF	ESRSATGTFRRS_NDL117W_81IDBRS1N_C1MUN6.5
TW4002884MS	ESAT PRO	7 Pins	RS_	4000K	117W	18.175 LM	1-10V	ESRSAGGTFRRS_NDL117W_81IDBRS1-10C1MUN6.5
TW4002885MS	ESAT PRO	Without plug	RS_	5000K	145W	21.214 LM	ON/OFF	ESRSASGTFRRS_DL145W_99IDBRS1N_C1MUN6.5
TW4002886MS	ESAT PRO	3 Pins	RS_	5000K	145W	21.214 LM	ON/OFF	ESRSATGTFRRS_DL145W_99IDBRS1N_C1MUN6.5
TW4002887MS	ESAT PRO	7 Pins	RS_	5000K	145W	21.214 LM	1-10V	ESRSAGGTFRRS_DL145W_99IDBRS1-10C1MUN6.5
TW4002888MS	ESAT PRO	Without plug	RS_	4000K	145W	21.086 LM	ON/OFF	ESRSASGTFRRS_NDL145W_99IDBRS1N_C1MUN6.5
TW4002889MS	ESAT PRO	3 Pins	RS_	4000K	145W	21.086 LM	ON/OFF	ESRSATGTFRRS_NDL145W_99IDBRS1N_C1MUN6.5
TW4002890MS	ESAT PRO	7 Pins	RS_	4000K	145W	21.086 LM	1-10V	ESRSAGGTFRRS_NDL145W_99IDBRS1-10C1MUN6.5
TW4002891MS	ESAT PRO	Without plug	RS_	5000K	152W	21.898 LM	ON/OFF	ESRSASGTFRRS_DL152W105IDBRS1N_C1MUN6.5
TW4002892MS	ESAT PRO	3 Pins	RS_	5000K	152W	21.898 LM	ON/OFF	ESRSATGTFRRS_DL152W105IDBRS1N_C1MUN6.5
TW4002893MS	ESAT PRO	7 Pins	RS_	5000K	152W	21.898 LM	1-10V	ESRSAGGTFRRS_DL152W105IDBRS1-10C1MUN6.5
TW4002894MS	ESAT PRO	Without plug	RS_	4000K	152W	22.358 LM	ON/OFF	ESRSASGTFRRS_NDL152W105IDBRS1N_C1MUN6.5
TW4002895MS	ESAT PRO	3 Pins	RS_	4000K	152W	22.358 LM	ON/OFF	ESRSATGTFRRS_NDL152W105IDBRS1N_C1MUN6.5
TW4002832MS	ESAT PRO	7 Pins	RS_	4000K	152W	22.358 LM	1-10V	ESRSAGGTFRRS_NDL152W105IDBRS1-10C1MUN6.5
TW4002982MS	ESAT PRO	Without plug	RS_	5000K	167W	23.526 LM	ON/OFF	ESRSASGTFRRS_DL167W115IDBRS1N_C1MUN6.5
TW4002905MS	ESAT PRO	3 Pins	RS_	5000K	167W	23.526 LM	ON/OFF	ESRSATGTFRRS_DL167W115IDBRS1N_C1MUN6.5
TW4002906MS	ESAT PRO	7 Pins	RS_	5000K	167W	23.526 LM	1-10V	ESRSAGGTFRRS_DL167W115IDBRS1-10C1MUN6.5
TW4002907MS	ESAT PRO	Without plug	RS_	4000K	167W	23.841 LM	ON/OFF	ESRSASGTFRRS_NDL167W115IDBRS1N_C1MUN6.5
TW4002908MS	ESAT PRO	3 Pins	RS_	4000K	167W	23.841 LM	ON/OFF	ESRSATGTFRRS_NDL167W115IDBRS1N_C1MUN6.5
TW4002909MS	ESAT PRO	7 Pins	RS_	4000K	167W	23.841 LM	1-10V	ESRSAGGTFRRS_NDL167W115IDBRS1-10C1MUN6.5
TW4002910MS	ESAT PRO	Without plug	RS_	5000K	175W	24.250 LM	ON/OFF	ESRSASGTFRRS_DL175W120IDBRS1N_C1MUN6.5
TW4002911MS	ESAT PRO	3 Pins	RS_	5000K	175W	24.250 LM	ON/OFF	ESRSATGTFRRS_DL175W120IDBRS1N_C1MUN6.5
TW4002912MS	ESAT PRO	7 Pins	RS_	5000K	175W	24.250 LM	1-10V	ESRSAGGTFRRS_DL175W120IDBRS1-10C1MUN6.5
TW4002913MS	ESAT PRO	Without plug	RS_	4000K	175W	24.395 LM	ON/OFF	ESRSASGTFRRS_NDL175W120IDBRS1N_C1MUN6.5
TW4002914MS	ESAT PRO	3 Pins	RS_	4000K	175W	24.395 LM	ON/OFF	ESRSATGTFRRS_NDL175W120IDBRS1N_C1MUN6.5
TW4002915MS	ESAT PRO	7 Pins	RS_	4000K	175W	24.395 LM	1-10V	ESRSAGGTFRRS_NDL175W120IDBRS1-10C1MUN6.5
TW4002916MS	ESAT PRO	Without plug	RS_	5000K	192W	25.541 LM	ON/OFF	ESRSASGTFRRS_DL192W130IDBRS1N_C1MUN6.5
TW4002917MS	ESAT PRO	3 Pins	RS_	5000K	192W	25.541 LM	ON/OFF	ESRSATGTFRRS_DL192W130IDBRS1N_C1MUN6.5
TW4002918MS	ESAT PRO	7 Pins	RS_	5000K	192W	25.541 LM	1-10V	ESRSAGGTFRRS_DL192W130IDBRS1-10C1MUN6.5
TW4002919MS	ESAT PRO	Without plug	RS_	4000K	192W	25.924 LM	ON/OFF	ESRSASGTFRRS_NDL192W130IDBRS1N_C1MUN6.5
TW4002920MS	ESAT PRO	3 Pins	RS_	4000K	192W	25.924 LM	ON/OFF	ESRSATGTFRRS_NDL192W130IDBRS1N_C1MUN6.5
TW4002833MS	ESAT PRO	7 Pins	RS_	4000K	192W	25.924 LM	1-10V	ESRSAGGTFRRS_NDL192W130IDBRS1-10C1MUN6.5



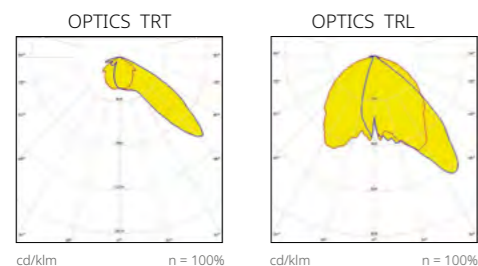
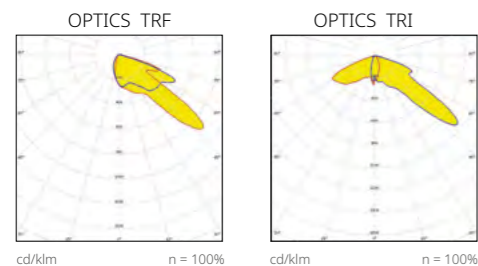


# ESAT PEDESTRIAN CROSSING

## LED STREET LIGHTING



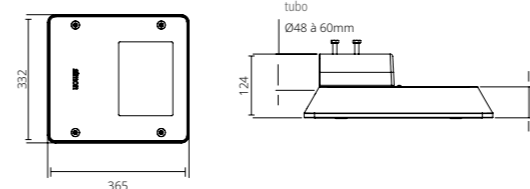
COLOR TEMPERATURE: 3000K | 4000K | 5000K  
 COLOR RENDERING INDEX: >70  
 ENERGY EFFICIENCY: CLASS A  
 MAINTENANCE OF LUMINOUS FLUX: 102.000 HRS (L70)



## TECHNICAL DESCRIPTION OF THE SPECIFICATIONS

The luminaire is designed for pedestrian lighting and features a die-cast aluminum body. It operates at a voltage range of 90 to 305Vac with a frequency of 50/60Hz. The luminaire comes with an integrated constant current driver (ON-OFF or 1-10V). The impact-resistant diffuser is made of tempered flat glass and has an IK08 rating. The luminaire also includes a pressure relief filter. The aluminum injection alloy body includes heat dissipation fins located on the top of the body. The luminaire features a self-cleaning system that uses rainwater to clean the fins, ensuring proper thermal dissipation throughout the luminaire's lifespan. The luminaire comes with an asymmetric optic and an initial luminous flux of 4,748 lm to 15,680 lm and a power range of 54W to 150W. The color rendering index is 75 with a temperature range of 4000K, and 5000K. It does not come with a plug and is mounted using a lateral fastening system suitable for a 48.3 mm to 60.3 mm arm end. The electrostatic paint is MUN6.5 grey. The luminaire has an IP66 protection rating for the optical unit and the driver housing and a Class I electrical protection rating. It is accessed using a fixing system with a flange and four screws. The luminaire features a 10kV/12kA surge protection device connected in series, built into the luminaire. The maximum dimensions are 365x332x124 mm, and the luminaire maintains a luminous flux of 70% for at least 102,000 hours (L70).

## DIMENSIONS AND FIXATION SYSTEMS



<b>Arm tip fastening</b>	Outer diameter from 48.3mm to 60.3mm. For outer diameters between 25.4 and 33.4mm, a reducing sleeve (not supplied) is required.
<b>Weight</b>	Minimum weight 5.54 kg and maximum 5.91 kg

## FINISHES

<b>Body</b>	Electrostatic paint Standard color Grey Munsell N6.5 *Other colors upon request
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## ELECTRICAL PARAMETERS

<b>Operating temperature</b>	-5°C a +50°C
<b>Control</b>	<b>1N_</b> On/Off (without regulation)
<b>Supply Voltage</b>	90-305Vac
<b>Frequency</b>	50/60 Hz
<b>Surge protection</b>	10kV/12kA conectada en serie, incorporado en la luminaria
<b>Power factor</b>	>0,92
<b>Electrical protection of the luminaire</b>	Clase I

## PHYSICAL AND MATERIAL CHARACTERISTICS

<b>Degree of protection</b>	IP66
<b>Impact resistance</b>	IK08
<b>Body</b>	Injected aluminum a alta presión
<b>Closing device</b>	Mediante sistema de fijación con brida y 4 tornillos
<b>Installation</b>	Arm tip fastening
<b>Diffuser</b>	Tempered flat transparent glass

## QUALITY

<b>Warranty</b>	5 years
<b>Packaging</b>	Packed in a recyclable cardboard box with an identification label to protect the product during transportation and storage.
<b>Maintenance</b>	Keep the diffuser surface clean to achieve maximum luminous flux. Use a damp cloth without abrasive or chemical products. Lubricate the sealing parts and replace them when they are cracked. Lubricate the fastenings and/or hinges of the moving parts. Keep the thermal radiation surface clean to avoid losing luminous flux or reducing the LED's lifespan.



### CONFIGURATION ESAT PEDESTRIAN CROSSING LUMINAIRE

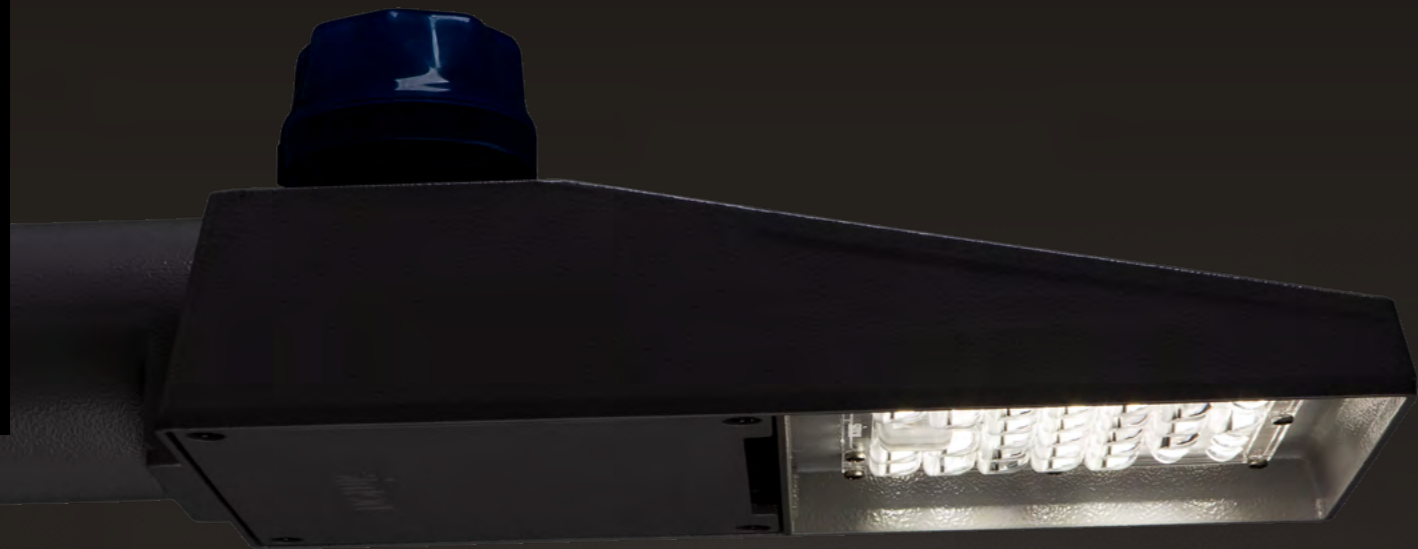
Model	Diffuser	Cable	Optics	TCC	Power	Equipment	Control	Protection	Finishes	Description
ESASAS										ESAT PEDESTRIAN CROSSING luminaire, size S, side mounting and on pole Ø 48.3 to 60.3mm, without plug.
	GTF									Tempered flat transparent glass
		R								With cable for electrical network connection
			TRF							Optics for pedestrian crosswalk, with asymmetric beam to the right.
			TRI							Optics for pedestrian crosswalk, with asymmetric beam to the left.
			TRT							Optics for pedestrian crosswalk, with transverse (sideways) beam
			TRL							Optics for pedestrian crosswalk, with longitudinal (forward) beam
				NDL						4.000 K
				_DL						5.000 K
						54W				5.471lm @ 5.000K - 101 lm/W
						150W				15.680lm @ 5.000K - 105 lm/W
						IABRS				Electronic equipment at 220 VAC 50/60 Hz, with 10 kV SPD in series in the circuit
							1N_			Without regulation (ON/OFF)
								C1		Electrical protection of the luminaire Class 1
									GY9007	Standard color – Gray RAL9007



### BASIC CODE REFERENCES

Code	Model	Plug	Optics	TCC	Power	Flux	Control	Description
TW4001738A	ESAT FDP	Without plug	TRF_	5.000K	54W	5.471 lm	On/Off	ESASASGTFRTRF_DL_54W105IABRS1N_C1GY9007
TW4001739A	ESAT FDP	Without plug	TRI_	5.000K	54W	5.471 lm	On/Off	ESASASGTFRTRI_DL_54W105IABRS1N_C1GY9007
TW4001740A	ESAT FDP	Without plug	TRT_	5.000K	54W	5.471 lm	On/Off	ESASASGTFRTRT_DL_54W105IABRS1N_C1GY9007
TW4001741A	ESAT FDP	Without plug	TRL_	5.000K	54W	5.471 lm	On/Off	ESASASGTFRTRL_DL_54W105IABRS1N_C1GY9007
TW4001742A	ESAT FDP	Without plug	TRF_	5.000K	150W	15.680 lm	On/Off	ESASASGTFRTRF_DL150W150IABRS1N_C1GY9007
TW4001743A	ESAT FDP	Without plug	TRI_	5.000K	150W	15.680 lm	On/Off	ESASASGTFRTRI_DL150W150IABRS1N_C1GY9007
TW4001744A	ESAT FDP	Without plug	TRT_	5.000K	150W	15.680 lm	On/Off	ESASASGTFRTRT_DL150W150IABRS1N_C1GY9007
TW4001745A	ESAT FDP	Without plug	TRL_	5.000K	150W	15.680 lm	On/Off	ESASASGTFRTRL_DL150W150IABRS1N_C1GY9007





# TAU

TAU / TAU-T / TAU-M

LED Street Lighting

High luminous efficacy LED roadway luminaire.

Luminous flux up to 33,787 lm  
Efficiency up to 176 lm/W  
Advanced thermal management



Road



Square



Park /  
Garden



Parking Lot



Cycle Path



Avenue



Streets

# TAU FEATURES

## MODELS



TAU

TAU-T

TAU-M

## ATTIBUTES



Small towers for bolt fastening



Component housing



Drain on the cover



## HEAT DISSIPATION



Cooling through heat dissipation fins not visible from the bottom surface. These fins, formed in the body of the luminaire itself, allow for increased LED efficiency with an advanced heat exchange system.

## SELF-CLEANING

Water outlet



## DIFFUSER

Diffuser options with and without glass



## VERSIONS

TAUSAS  
Without plug



TAUSAP  
With socket for photocell relay and short circuit cover (included)



TAUSAT  
With socket for photocell relay



TAUSAU  
With plug for remote management and short circuit cover (included)



TAUSAG  
With socket for remote management

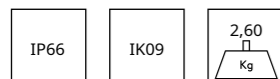




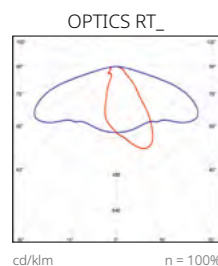


# TAU

## LED STREET LIGHTING



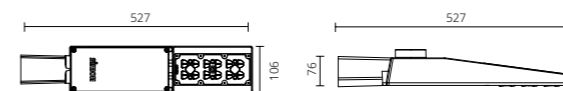
COLOR TEMPERATURE: 4000K | 5000K  
 COLOR RENDERING INDEX: >70  
 ENERGY EFFICIENCY: CLASS A  
 MAINTENANCE OF LUMINOUS FLUX: 102.000 HRS (L70)



## TECHNICAL DESCRIPTION OF THE SPECIFICATIONS

The **TAU luminaire** is designed for street lighting, viaducts, bridges, walkways, jogging tracks, access roads in residential and industrial condominiums, courtyards, parks, squares, gardens, and parking lots. **Body:** High pressure die-cast aluminum. **Diffuser:** Lenticular transparent polycarbonate. **Thermal dissipation:** Fins on the luminaire body for heat dissipation, with a system that allows the self-cleaning of the fin surfaces with rainwater to ensure proper thermal dissipation throughout the luminaire's life. **Closure:** Of the auxiliary equipment by means of an injected aluminum cover located at the bottom of the luminaire. **Protection rating:** IP66 for the optical body and the housing of the auxiliary equipment. With a pressure relief filter in the optical body to maintain constant pressure and prevent moisture ingress. **Impact resistance:** IK09. **Weight:** 2.60 kg. **Dimensions:** 527 x 106 x 76mm. **Power:** 19W, 21W, 28W, 30W, 35W, 40W, 50W, 60W, 64W, 72W, and 80W. **Luminous flux:** from 2,945 lm to 9,730 lm. **Efficacy:** from 118 lm/W to 158 lm/W. **Energy efficiency:** Class A. **TCC:** 4000K and 5000K. **CRI:** >70. **Beam angle:** RT optics for street lighting. **Luminous flux maintenance:** 102,000 hours. **Auxiliaries:** Constant current driver internally incorporated into the luminaire (1N\_On/Off or 1-10V). **Nominal voltage:** 90-305 VAC. **Frequency:** 50/60Hz. **Power factor:** >0.95. **Luminaire electrical protection:** Class I. **Safety:** Surge protection device 10kV/12kA connected in series, incorporated into the luminaire. **Operating temperature:** from -5°C to +50°C. **Photoelectric relay socket or Telemangement:** Optional. **Installation:** Arm tip fastening - outer diameter Ø 25.4mm, Ø 33.7mm, Ø 48.3mm, and Ø 60.3mm. **Maintenance:** Access to the LED modules from the front of the luminaire and the Driver and DPS by removing 4 screws from the cover located at the bottom of the luminaire. Under maintenance conditions, the LED modules and the Driver can be replaced. **Finish:** Electrostatic paint. **Standard color:** Munsell N6.5 gray. Other colors upon request. **Warranty:** 5 years.

### DIMENSIONS AND FIXATION SYSTEMS



<b>Arm tip fastening</b>	Fixation with outer diameters of 25.4mm, 33.7mm, and 48.3mm. An adapter (not included) is required for outer diameters of 60.3mm
<b>Weight</b>	2,60kg

### PHYSICAL AND MATERIAL CHARACTERISTICS

<b>Protection rating</b>	IP66
<b>Impact resistance</b>	IK09
<b>Body</b>	High-pressure injected aluminum
<b>Installation</b>	Arm tip fastening
<b>Diffuser</b>	Optical assembly closure in lenticular transparent polycarbonate

### FINISHES

<b>Body</b>	Electrostatic painting Standard color: Munsell N6.5 Gray *Other colors available upon request
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### ELECTRICAL PARAMETERS

<b>Operating temperature</b>	-30°C a +50°C
<b>Control</b>	<b>1N_</b> On/Off (without regulation) <b>1-10V</b> Regulation protocol
<b>Power supply voltage</b>	90-305VAC (luminaires for remote management) 108-305VAC (luminaires without plug / with plug)
<b>Frequency</b>	50/60Hz
<b>Overvoltage protection</b>	10kV/12kA connected in series, built into the luminaire
<b>Power factor</b>	>0,95
<b>Luminaire electrical protection</b>	Clase I

### QUALITY

<b>Warranty</b>	5 years
<b>Packaging</b>	Packed in a recyclable cardboard box with an identification label to protect the product during transport and storage.
<b>Maintenance</b>	Keep the surface of the diffuser clean to obtain maximum light flow. Use a damp cloth without any abrasive or chemical product. Lubricate the joints and replace them when they are cracked. Lubricate the locks and/or hinges of the movable parts. Keep the surface of the thermal radiation clean to avoid losing light flow or reducing the life of the LEDs.



### CONFIGURATION TAU LUMINAIRE

Model	Diffuser	Cable	Optics	TCC	Power	Equipment	Control	Protection	Finishes	Description
TAUSAT										TAU luminaire, size S, side mounting and on pole Ø 48.3 to 60.3mm, with socket for photocell relay
TAUSAG										TAU luminaire, size S, for lateral and post top mounting Ø 48.3 to 60.3mm, with remote control socket
TAUSAS										Luminaria TAU, Tamaño S, Montaje lateral y en poste Ø 48,3 a 60,3 mm, Without plug
TAUSAP										TAU luminaire, size S, for lateral and post mounting Ø 48.3 to 60.3mm, with socket for photocell relay and short circuit protector
TAUSAU										TAU luminaire, size S, for lateral and post mounting Ø 48.3 to 60.3mm, with socket for remote control and short circuit protector
	PTL									Optical assembly closure in lenticular transparent polycarbonate
		R								With cable for electrical network connection
			RT_							Optics for street lighting
				NDL						4.000 K
				_DL						5.000 K
					19W					2.945 lm @ 5.000K - 155 lm/W
					21W					3.163 lm @ 5.000K - 151 lm/W
					28W					4.347 lm @ 5.000K - 155 lm/W
					30W					3.910 lm @ 5.000K - 130 lm/W
					35W					4.885 lm @ 5.000K - 140 lm/W
					40W					5.095 lm @ 5.000K - 127 lm/W
					50W					6.465 lm @ 5.000K - 129 lm/W
					60W					7.505 lm @ 5.000K - 125 lm/W
					64W					8.179 lm @ 5.000K - 128 lm/W
					72W					8.868 lm @ 5.000K - 123 lm/W
					80W					9.630 lm @ 5.000K - 120 lm/W
						IEBRS				Electronic equipment at 220 VAC 50/60 Hz, with 10 kV SPD in series in the circuit
							1N_			Without regulation (ON/OFF)
							1-10_			Regulation by 1-10V protocol input
								C1		Electrical protection of the luminaire Class 1
									MUN6.5	Standard color - Munsell N6.5 Gray



### BASIC CODE REFERENCES

Code	Model	Plug	Optics	TCC	Power	Flux	Control	Description
TW4002292	TAU	7 Pins	RT_	5000K	19W	2.945 Lm	On/Off	TAUSASPTLRRT_DL_19W500IEBRS1N_C1MUN6.5
TW4002293	TAU	Without plug	RT_	5000K	19W	2.945 Lm	On/Off	TAUSATPLRRT_DL_19W500IEBRS1N_C1MUN6.5
TW4002294	TAU	3 Pins	RT_	5000K	19W	2.945 Lm	1-10v	TAUSAGPTLRRT_DL_19W500IEBRS1-10C1MUN6.5
TW4002295	TAU	7 Pins	RT_	4000K	19W	3.003 Lm	On/Off	TAUSASPTLRRT_NDL_19W500IEBRS1N_C1MUN6.5
TW4002296	TAU	Without plug	RT_	4000K	19W	3.003 Lm	On/Off	TAUSATPLRRT_NDL_19W500IEBRS1N_C1MUN6.5
TW4002297	TAU	3 Pins	RT_	4000K	19W	3.003 Lm	1-10v	TAUSAGPTLRRT_NDL_19W500IEBRS1-10C1MUN6.5
TW4002301	TAU	7 Pins	RT_	5000K	21W	3.163 Lm	On/Off	TAUSASPTLRRT_DL_21W536IEBRS1N_C1MUN6.5
TW4002302	TAU	Without plug	RT_	5000K	21W	3.163 Lm	On/Off	TAUSATPLRRT_DL_21W536IEBRS1N_C1MUN6.5
TW4002303	TAU	3 Pins	RT_	5000K	21W	3.163 Lm	1-10v	TAUSAGPTLRRT_DL_21W536IEBRS1-10C1MUN6.5
TW4002304	TAU	7 Pins	RT_	4000K	21W	3.173 Lm	On/Off	TAUSASPTLRRT_NDL_21W536IEBRS1N_C1MUN6.5
TW4002305	TAU	Without plug	RT_	4000K	21W	3.173 Lm	On/Off	TAUSATPLRRT_NDL_21W536IEBRS1N_C1MUN6.5
TW4002306	TAU	3 Pins	RT_	4000K	21W	3.173 Lm	1-10v	TAUSAGPTLRRT_NDL_21W536IEBRS1-10C1MUN6.5
TW4002310	TAU	7 Pins	RT_	5000K	28W	4.347 Lm	On/Off	TAUSASPTLRRT_DL_28W765IEBRS1N_C1MUN6.5
TW4002311	TAU	Without plug	RT_	5000K	28W	4.347 Lm	On/Off	TAUSATPLRRT_DL_28W765IEBRS1N_C1MUN6.5
TW4002312	TAU	3 Pins	RT_	5000K	28W	4.347 Lm	1-10v	TAUSAGPTLRRT_DL_28W765IEBRS1-10C1MUN6.5
TW4002313	TAU	7 Pins	RT_	4000K	28W	4.432 Lm	On/Off	TAUSASPTLRRT_NDL_28W765IEBRS1N_C1MUN6.5
TW4002314	TAU	Without plug	RT_	4000K	28W	4.432 Lm	On/Off	TAUSATPLRRT_NDL_28W765IEBRS1N_C1MUN6.5
TW4002315	TAU	3 Pins	RT_	4000K	28W	4.432 Lm	1-10v	TAUSAGPTLRRT_NDL_28W765IEBRS1-10C1MUN6.5
TW4001904	TAU	7 Pins	RT_	5000K	30W	3.910 Lm	On/Off	TAUSASPTLRRT_DL_30W700IEBRS1N_C1MUN6.5
TW4001892	TAU	Without plug	RT_	5000K	30W	3.910 Lm	On/Off	TAUSATPLRRT_DL_30W700IEBRS1N_C1MUN6.5
TW4001889	TAU	3 Pins	RT_	5000K	30W	3.910 Lm	1-10v	TAUSAGPTLRRT_DL_30W700IEBRS1-10C1MUN6.5
TW4001905	TAU	7 Pins	RT_	4000K	30W	3.810 Lm	On/Off	TAUSASPTLRRT_NDL_30W700IEBRS1N_C1MUN6.5
TW4001893	TAU	Without plug	RT_	4000K	30W	3.810 Lm	On/Off	TAUSATPLRRT_NDL_30W700IEBRS1N_C1MUN6.5
TW4001890	TAU	3 Pins	RT_	4000K	30W	3.810 Lm	1-10v	TAUSAGPTLRRT_NDL_30W700IEBRS1-10C1MUN6.5
TW4002319	TAU	7 Pins	RT_	5000K	35W	4.885 Lm	On/Off	TAUSASPTLRRT_DL_35W885IEBRS1N_C1MUN6.5
TW4002320	TAU	Without plug	RT_	5000K	35W	4.885 Lm	On/Off	TAUSATPLRRT_DL_35W885IEBRS1N_C1MUN6.5
TW4002240	TAU	3 Pins	RT_	5000K	35W	4.885 Lm	1-10v	TAUSAGPTLRRT_DL_35W885IEBRS1-10C1MUN6.5
TW4002321	TAU	7 Pins	RT_	4000K	35W	4.900 Lm	On/Off	TAUSASPTLRRT_NDL_35W885IEBRS1N_C1MUN6.5
TW4002322	TAU	Without plug	RT_	4000K	35W	4.900 Lm	On/Off	TAUSATPLRRT_NDL_35W885IEBRS1N_C1MUN6.5
TW4002291	TAU	3 Pins	RT_	4000K	35W	4.900 Lm	1-10v	TAUSAGPTLRRT_NDL_35W885IEBRS1-10C1MUN6.5
TW4001907	TAU	7 Pins	RT_	5000K	40W	5.095 Lm	On/Off	TAUSASPTLRRT_DL_40W700IEBRS1N_C1MUN6.5
TW4001895	TAU	Without plug	RT_	5000K	40W	5.095 Lm	On/Off	TAUSATPLRRT_DL_40W700IEBRS1N_C1MUN6.5
TW4001886	TAU	3 Pins	RT_	5000K	40W	5.095 Lm	1-10v	TAUSAGPTLRRT_DL_40W700IEBRS1-10C1MUN6.5
TW4001908	TAU	7 Pins	RT_	4000K	40W	5.055 Lm	On/Off	TAUSASPTLRRT_NDL_40W700IEBRS1N_C1MUN6.5
TW4001896	TAU	Without plug	RT_	4000K	40W	5.055 Lm	On/Off	TAUSATPLRRT_NDL_40W700IEBRS1N_C1MUN6.5
TW4001887	TAU	3 Pins	RT_	4000K	40W	5.055 Lm	1-10v	TAUSAGPTLRRT_NDL_40W700IEBRS1-10C1MUN6.5
TW4001910	TAU	Without plug	RT_	5000K	50W	6.465 Lm	On/Off	TAUSASPTLRRT_DL_50W700IEBRS1N_C1MUN6.5
TW4001898	TAU	3 Pins	RT_	5000K	50W	6.465 Lm	On/Off	TAUSATPLRRT_DL_50W700IEBRS1N_C1MUN6.5
TW4001883	TAU	7 Pins	RT_	5000K	50W	6.465 Lm	1-10v	TAUSAGPTLRRT_DL_50W700IEBRS1-10C1MUN6.5
TW4001911	TAU	Without plug	RT_	4000K	50W	6.375 Lm	On/Off	TAUSASPTLRRT_NDL_50W700IEBRS1N_C1MUN6.5
TW4001899	TAU	3 Pins	RT_	4000K	50W	6.375 Lm	On/Off	TAUSATPLRRT_NDL_50W700IEBRS1N_C1MUN6.5
TW4001884	TAU	7 Pins	RT_	4000K	50W	6.375 Lm	1-10v	TAUSAGPTLRRT_NDL_50W700IEBRS1-10C1MUN6.5
TW4001913	TAU	Without plug	RT_	5000K	60W	7.505 Lm	On/Off	TAUSASPTLRRT_DL_60W700IEBRS1N_C1MUN6.5
TW4001901	TAU	3 Pins	RT_	5000K	60W	7.505 Lm	On/Off	TAUSATPLRRT_DL_60W700IEBRS1N_C1MUN6.5
TW4001880	TAU	7 Pins	RT_	5000K	60W	7.505 Lm	1-10v	TAUSAGPTLRRT_DL_60W700IEBRS1-10C1MUN6.5
TW4001914	TAU	Without plug	RT_	4000K	60W	7.399 Lm	On/Off	TAUSASPTLRRT_NDL_60W700IEBRS1N_C1MUN6.5
TW4001902	TAU	3 Pins	RT_	4000K	60W	7.399 Lm	On/Off	TAUSATPLRRT_NDL_60W700IEBRS1N_C1MUN6.5
TW4001881	TAU	7 Pins	RT_	4000K	60W	7.399 Lm	1-10v	TAUSAGPTLRRT_NDL_60W700IEBRS1-10C1MUN6.5
TW4002326	TAU	Without plug	RT_	5000K	64W	8.179 Lm	On/Off	TAUSASPTLRRT_DL_64W800IEBRS1N_C1MUN6.5





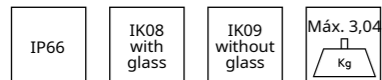
## BASIC CODE REFERENCES

Code	Moedl	Plug	Optics	TCC	Power	Flux	Control	Description
TW4002327	TAU	3 Pins	RT_	5000K	64W	8.179 Lm	On/Off	TAUSATPLRRT__DL_64W800IEBRS1N_C1MUN6.5
TW4002328	TAU	7 Pins	RT_	5000K	64W	8.179 Lm	1-10v	TAUSAGPLRRT__DL_64W800IEBRS1-10C1MUN6.5
TW4002329	TAU	Without plug	RT_	4000K	64W	8.238 Lm	On/Off	TAUSASPLRRT_NDL_64W800IEBRS1N_C1MUN6.5
TW4002330	TAU	3 Pins	RT_	4000K	64W	8.238 Lm	On/Off	TAUSATPLRRT_NDL_64W800IEBRS1N_C1MUN6.5
TW4002331	TAU	7 Pins	RT_	4000K	64W	8.238 Lm	1-10v	TAUSAGPLRRT_NDL_64W800IEBRS1-10C1MUN6.5
TW4002335	TAU	Without plug	RT_	5000K	72W	8.868 Lm	On/Off	TAUSASPLRRT__DL_72W890IEBRS1N_C1MUN6.5
TW4002336	TAU	3 Pins	RT_	5000K	72W	8.868 Lm	On/Off	TAUSATPLRRT__DL_72W890IEBRS1N_C1MUN6.5
TW4002238	TAU	7 Pins	RT_	5000K	72W	8.868 Lm	1-10v	TAUSAGPLRRT__DL_72W890IEBRS1-10C1MUN6.5
TW4002337	TAU	Without plug	RT_	4000K	72W	8.922 Lm	On/Off	TAUSASPLRRT_NDL_72W890IEBRS1N_C1MUN6.5
TW4002338	TAU	3 Pins	RT_	4000K	72W	8.922 Lm	On/Off	TAUSATPLRRT_NDL_72W890IEBRS1N_C1MUN6.5
TW4002339	TAU	7 Pins	RT_	4000K	72W	8.922 Lm	1-10v	TAUSAGPLRRT_NDL_72W890IEBRS1-10C1MUN6.5
TW4002343	TAU	Without plug	RT_	5000K	80W	9.630 Lm	On/Off	TAUSASPLRRT__DL_80W_1AIEBRS1N_C1MUN6.5
TW4002344	TAU	3 Pins	RT_	5000K	80W	9.630 Lm	On/Off	TAUSATPLRRT__DL_80W_1AIEBRS1N_C1MUN6.5
TW4002239	TAU	7 Pins	RT_	5000K	80W	9.630 Lm	1-10v	TAUSAGPLRRT__DL_80W_1AIEBRS1-10C1MUN6.5
TW4002345	TAU	Without plug	RT_	4000K	80W	9.730 Lm	On/Off	TAUSASPLRRT_NDL_80W_1AIEBRS1N_C1MUN6.5
TW4002346	TAU	3 Pins	RT_	4000K	80W	9.730 Lm	On/Off	TAUSATPLRRT_NDL_80W_1AIEBRS1N_C1MUN6.5
TW4002258	TAU	7 Pins	RT_	4000K	80W	9.730 Lm	1-10v	TAUSAGPLRRT_NDL_80W_1AIEBRS1-10C1MUN6.5

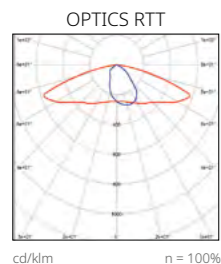


# TAU-T

## LED STREET LIGHTING



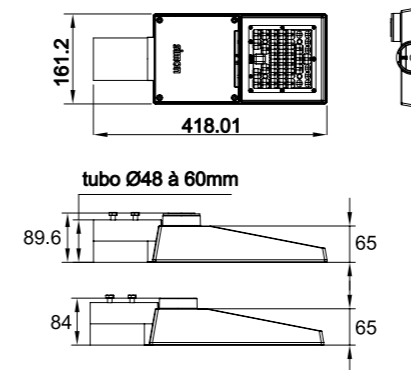
COLOR TEMPERATURE: 3000K | 4000K | 5000K  
 COLOR RENDERING INDEX: >70  
 ENERGY EFFICIENCY: CLASS A  
 MAINTENANCE OF LUMINOUS FLUX: 102,000 HRS (L80), 66,000 HRS (L80)  
 OPTION WITH AND WITHOUT GLASS



## TECHNICAL DESCRIPTION OF THE SPECIFICATIONS

**TAU-T luminaire** for street lighting, viaducts, bridges, walkways, jogging tracks, access roads in residential and industrial condominiums, yards, parks, squares, gardens, and parking lots. **Body:** High-pressure injected aluminum. A single body with two independent parts for equipment and optical group. **Diffuser:** Option with 5mm thick transparent tempered flat glass; and option with polycarbonate lens. **Thermal dissipation:** Fins on the luminaire body for heat dissipation, with a system that allows for self-cleaning of the fin surfaces with rainwater to ensure adequate thermal dissipation throughout the luminaire's life. **Enclosure:** of auxiliary equipment through an injected aluminum cover, located on the bottom of the luminaire. **Degree of protection:** IP66 for the optical body and housing of auxiliary equipment. With a pressure relief filter in the optical group to maintain constant pressure and prevent moisture ingress. **Impact resistance:** IK08 for the glass option and IK09 for the option without glass. **Weight:** minimum of 2.32kg and maximum of 3.04kg. **Dimensions:** 418 x 161 x 84mm. **Power:** 22W to 82W. **Luminous flux:** 3,119 lm to 12,271lm. **Efficiency:** 122 lm/W to 171lm/W. **Energy efficiency:** Class A. **CCT:** 3000K, 4000K, and 5000K. **CRI:** >70. **Beam aperture:** RTT optics for street lighting. **Maintenance of luminous flux:** 66,000 hours (L80) (for 82W power) and 102,000 hours (L80) (for power of 22W, 24W, 30W, 36W, 51W, 60W, 68W, and 82W). **Auxiliary equipment:** Constant current driver internally incorporated into the luminaire (1N\_On/Off or 1-10V). **Nominal voltage:** 90-305Vac/50-60Hz for powers 22W, 51W, 60W, 68W, and 82W; 100-242Vac/50-60Hz for powers 24W, 30W, and 36W. **Frequency:** 50/60Hz. **Power factor:** >0.92. **Luminaire electrical protection:** Class I. **Safety:** Protection equipment against overvoltages of 10kV/12kA connected in series, incorporated into the luminaire. **Operating temperature:** -5°C to +50°C. **Socket for photocell or Telemangement relay:** Optional. **Installation:** Arm tip - external diameter of Ø 25.4mm, Ø 33.7mm, Ø 48.3mm, and Ø 60.3mm. **Maintenance:** Access to LED modules through the front of the luminaire and to the driver and DPS by removing 4 screws from the cover on the bottom of the luminaire. In maintenance conditions, the LED modules and driver can be replaced. **Finish:** Electrostatic painting - Standard Color Gray Munsell N6.5. Other colors upon request. **Warranty:** 5 years.

## DIMENSIONS AND FIXATION SYSTEMS



<b>Arm tip fastening</b>	fixation with external diameter of 25.4mm, 33.7mm, 48.3mm and 60.3mm
<b>Weight</b>	Maximum 3,04Kg

## PHYSICAL AND MATERIAL CHARACTERISTICS

<b>Grau de Protection</b>	IP66
<b>Resistencia a los golpes</b>	IK08 (with glass) / IK09 (without glass)
<b>Body</b>	High-pressure die-cast aluminum
<b>Instalação</b>	Arm tip fastening
<b>Diffuser</b>	Option: Clear tempered flat glass, 5mm thickness Option: Polycarbonate lens

## QUALITY

<b>Warranty</b>	5 years
<b>Packaging</b>	Packed in a recyclable cardboard box with an identification label to protect the product during transport and storage.
<b>Maintenance</b>	Keep the surface of the diffuser clean to obtain maximum light flow. Use a damp cloth without any abrasive or chemical product. Lubricate the joints and replace them when they are cracked. Lubricate the locks and/or hinges of the movable parts. Keep the surface of the thermal radiation clean to avoid losing light flow or reducing the life of the LEDs

## FINISHES

<b>Body</b>	Electrostatic paint Standard Color: Munsell N6.5 gray *Other colors available upon request
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## ELECTRICAL PARAMETERS

<b>Operating temperature</b>	-5°C a +50°C
<b>Control</b>	<b>1N_</b> On/Off (without regulation) <b>1-10V</b> Regulation protocol
<b>Power supply voltage</b>	90 to 305 VAC/50-60Hz (for power ratings of 22W, 51W, 60W, 68W and 82W) 100 to 242 VAC/50-60Hz (for power ratings of 24W, 30W, and 36W)
<b>Frequency</b>	50/60Hz
<b>Overvoltage protection</b>	10kV/12kA connected in series, built into the luminaire
<b>Power factor</b>	>0,92
<b>Electrical protection of the luminaire</b>	Clase I





### CONFIGURATION TAU-T LUMINAIRE

Model	Diffuser	Cable	Optics	TCC	Power	Equipment	Control	Protection	Finishes	Description
<b>TAUTAT</b>										TAU luminaire, size T, side mounting and on pole Ø 25.4 to 60.3mm, with socket for photocell relay
<b>TAUTAG</b>										TAU luminaire luminaire, size S, for lateral and post top mounting Ø 25.4 to 60.3mm, with remote control socket
<b>TAUTAS</b>										TAU luminaire, size S, for lateral and post mounting Ø 25.4 to 60.3mm, without plug
<b>TAUTAP</b>										TAU luminaire, size S, for lateral and post mounting Ø 25.4 to 60.3mm, with socket for photocell relay and short circuit protector
<b>TAUTAU</b>										TAU luminaire, size S, for lateral and post mounting Ø 25.4 to 60.3mm, with socket for remote control and short circuit protector
	<b>PTL</b>									Optical assembly closure in lenticular transparent polycarbonate
	<b>GTF</b>									Tempered flat transparent glass de 5 mm de grosor
		<b>R</b>								With cable for electrical network connection
			<b>RTT</b>							Optics for street lighting
				 <b>WDL</b>						3.000 K
				 <b>NDL</b>						4.000 K
				 <b>_DL</b>						5.000 K
					<b>22W</b>					3.733 lm @ 4.000K – 170 lm/W (without glass)
					<b>24W</b>					4.099 lm @ 4.000K – 171 lm/W (without glass)
					<b>30W</b>					5.073 lm @ 4.000K – 169 lm/W (without glass)
					<b>36W</b>					5.978 lm @ 4.000K – 166 lm/W (without glass)
					<b>51W</b>					8.005 lm @ 4.000K – 157 lm/W (without glass)
					<b>60W</b>					9.307 lm @ 4.000K – 155 lm/W (without glass)
					<b>68W</b>					10.467 lm @ 4.000K – 154 lm/W (without glass)
					<b>82W</b>					12.271 lm @ 4.000K – 150 lm/W (Without glass)
						<b>IDBRS</b>				Produced in Brazil, with voltage surge protection device. TW standard
							<b>1N_</b>			Without regulation (ON/OFF)
							<b>1-10_</b>			Regulation by 1-10V protocol input
								<b>C1</b>		Electrical protection of the luminaire Class 1
									<b>MUN6.5</b>	Standard color - Munsell N6.5 Gray



### BASIC CODE REFERENCES

Code	Model	Plug	Refractor	Optics	TCC	Power	Energy Efficiency	Flux	Control	Description
<b>TW4003127</b>	<b>TAU T</b>	Without plug	Without glass	RTT	5000K	22W	166	3.653	ON/OFF	TAUTASPTLRRTT_DL_22W_35IDBRS1N_C1MUN6.5
<b>TW4003128</b>	<b>TAU T</b>	Relay	Without glass	RTT	5000K	22W	166	3.653	ON/OFF	TAUTATPLRRTT_DL_22W_35IDBRS1N_C1MUN6.5
<b>TW4003129</b>	<b>TAU T</b>	Telemangement	Without glass	RTT	5000K	22W	166	3.653	1-10V	TAUTAGPLRRTT_DL_22W_35IDBRS1-10C1MUN6.5
<b>TW4003130</b>	<b>TAU T</b>	Without plug	Without glass	RTT	4000K	22W	170	3.733	ON/OFF	TAUTASPTLRRTTNDL_22W_35IDBRS1N_C1MUN6.5
<b>TW4003131</b>	<b>TAU T</b>	Relay	Without glass	RTT	4000K	22W	170	3.733	ON/OFF	TAUTATPLRRTTNDL_22W_35IDBRS1N_C1MUN6.5
<b>TW4003132</b>	<b>TAU T</b>	Telemangement	Without glass	RTT	4000K	22W	170	3.733	1-10V	TAUTAGPLRRTTNDL_22W_35IDBRS1-10C1MUN6.5
<b>TW4003133</b>	<b>TAU T</b>	Without plug	Without glass	RTT	3000K	22W	163	3.592	ON/OFF	TAUTASPTLRRTTWDL_22W_35IDBRS1N_C1MUN6.5
<b>TW4003134</b>	<b>TAU T</b>	Relay	Without glass	RTT	3000K	22W	163	3.592	ON/OFF	TAUTATPLRRTTWDL_22W_35IDBRS1N_C1MUN6.5
<b>TW4003135</b>	<b>TAU T</b>	Telemangement	Without glass	RTT	3000K	22W	163	3.592	1-10V	TAUTAGPLRRTTWDL_22W_35IDBRS1-10C1MUN6.5
<b>TW4003136</b>	<b>TAU T</b>	Without plug	With glass	RTT	5000K	22W	147	3.229	ON/OFF	TAUTASGTFRRTT_DL_22W_35IDBRS1N_C1MUN6.5
<b>TW4003137</b>	<b>TAU T</b>	Relay	With glass	RTT	5000K	22W	147	3.229	ON/OFF	TAUTATGTFRRTT_DL_22W_35IDBRS1N_C1MUN6.5
<b>TW4003138</b>	<b>TAU T</b>	Telemangement	With glass	RTT	5000K	22W	147	3.229	1-10V	TAUTAGGTFRRTT_DL_22W_35IDBRS1-10C1MUN6.5
<b>TW4003139</b>	<b>TAU T</b>	Without plug	With glass	RTT	4000K	22W	145	3.194	ON/OFF	TAUTASGTFRRTTNDL_22W_35IDBRS1N_C1MUN6.5
<b>TW4003140</b>	<b>TAU T</b>	Relay	With glass	RTT	4000K	22W	145	3.194	ON/OFF	TAUTATGTFRRTTNDL_22W_35IDBRS1N_C1MUN6.5
<b>TW4003141</b>	<b>TAU T</b>	Telemangement	With glass	RTT	4000K	22W	145	3.194	1-10V	TAUTAGGTFRRTTNDL_22W_35IDBRS1-10C1MUN6.5
<b>TW4003142</b>	<b>TAU T</b>	Without plug	With glass	RTT	3000K	22W	142	3.119	ON/OFF	TAUTASGTFRRTTWDL_22W_35IDBRS1N_C1MUN6.5
<b>TW4003143</b>	<b>TAU T</b>	Relay	With glass	RTT	3000K	22W	142	3.119	ON/OFF	TAUTATGTFRRTTWDL_22W_35IDBRS1N_C1MUN6.5
<b>TW4003144</b>	<b>TAU T</b>	Telemangement	With glass	RTT	3000K	22W	142	3.119	1-10V	TAUTAGGTFRRTTWDL_22W_35IDBRS1-10C1MUN6.5
<b>TW4003145</b>	<b>TAU T</b>	Without plug	Without glass	RTT	5000K	24W	167	4.017	ON/OFF	TAUTASPTLRRTT_DL_24W_40IDBRS1N_C1MUN6.5
<b>TW4003146</b>	<b>TAU T</b>	Relay	Without glass	RTT	5000K	24W	167	4.017	ON/OFF	TAUTATPLRRTT_DL_24W_40IDBRS1N_C1MUN6.5
<b>TW4003147</b>	<b>TAU T</b>	Telemangement	Without glass	RTT	5000K	24W	167	4.017	1-10V	TAUTAGPLRRTT_DL_24W_40IDBRS1-10C1MUN6.5
<b>TW4003148</b>	<b>TAU T</b>	Without plug	Without glass	RTT	4000K	24W	171	4.099	ON/OFF	TAUTASPTLRRTTNDL_24W_40IDBRS1N_C1MUN6.5
<b>TW4003149</b>	<b>TAU T</b>	Relay	Without glass	RTT	4000K	24W	171	4.099	ON/OFF	TAUTATPLRRTTNDL_24W_40IDBRS1N_C1MUN6.5
<b>TW4003150</b>	<b>TAU T</b>	Telemangement	Without glass	RTT	4000K	24W	171	4.099	1-10V	TAUTAGPLRRTTNDL_24W_40IDBRS1-10C1MUN6.5
<b>TW4003151</b>	<b>TAU T</b>	Without plug	Without glass	RTT	3000K	24W	161	3.865	ON/OFF	TAUTASPTLRRTTWDL_24W_40IDBRS1N_C1MUN6.5
<b>TW4003152</b>	<b>TAU T</b>	Relay	Without glass	RTT	3000K	24W	161	3.865	ON/OFF	TAUTATPLRRTTWDL_24W_40IDBRS1N_C1MUN6.5
<b>TW4003153</b>	<b>TAU T</b>	Telemangement	Without glass	RTT	3000K	24W	161	3.865	1-10V	TAUTAGPLRRTTWDL_24W_40IDBRS1-10C1MUN6.5
<b>TW4003154</b>	<b>TAU T</b>	Without plug	With glass	RTT	5000K	24W	145	3.481	ON/OFF	TAUTASGTFRRTT_DL_24W_40IDBRS1N_C1MUN6.5
<b>TW4003155</b>	<b>TAU T</b>	Relay	With glass	RTT	5000K	24W	145	3.481	ON/OFF	TAUTATGTFRRTT_DL_24W_40IDBRS1N_C1MUN6.5
<b>TW4003156</b>	<b>TAU T</b>	Telemangement	With glass	RTT	5000K	24W	145	3.481	1-10V	TAUTAGGTFRRTT_DL_24W_40IDBRS1-10C1MUN6.5
<b>TW4003157</b>	<b>TAU T</b>	Without plug	With glass	RTT	4000K	24W	147	3.517	ON/OFF	TAUTASGTFRRTTNDL_24W_40IDBRS1N_C1MUN6.5
<b>TW4003158</b>	<b>TAU T</b>	Relay	With glass	RTT	4000K	24W	147	3.517	ON/OFF	TAUTATGTFRRTTNDL_24W_40IDBRS1N_C1MUN6.5
<b>TW4003159</b>	<b>TAU T</b>	Telemangement	With glass	RTT	4000K	24W	147	3.517	1-10V	TAUTAGGTFRRTTNDL_24W_40IDBRS1-10C1MUN6.5
<b>TW4003160</b>	<b>TAU T</b>	Without plug	With glass	RTT	3000K	24W	137	3.285	ON/OFF	TAUTASGTFRRTTWDL_24W_40IDBRS1N_C1MUN6.5
<b>TW4003161</b>	<b>TAU T</b>	Relay	With glass	RTT	3000K	24W	137	3.285	ON/OFF	TAUTATGTFRRTTWDL_24W_40IDBRS1N_C1MUN6.5
<b>TW4003162</b>	<b>TAU T</b>	Telemangement	With glass	RTT	3000K	24W	137	3.285	1-10V	TAUTAGGTFRRTTWDL_24W_40IDBRS1-10C1MUN6.5
<b>TW4003163</b>	<b>TAU T</b>	Without plug	Without glass	RTT	5000K	30W	168	5.026	ON/OFF	TAUTASPTLRRTT_DL_30W_50IDBRS1N_C1MUN6.5
<b>TW4003164</b>	<b>TAU T</b>	Relay	Without glass	RTT	5000K	30W	168	5.026	ON/OFF	TAUTATPLRRTT_DL_30W_50IDBRS1N_C1MUN6.5
<b>TW4003165</b>	<b>TAU T</b>	Telemangement	Without glass	RTT	5000K	30W	168	5.026	1-10V	TAUTAGPLRRTT_DL_30W_50IDBRS1-10C1MUN6.5
<b>TW4003166</b>	<b>TAU T</b>	Without plug	Without glass	RTT	4000K	30W	169	5.073	ON/OFF	TAUTASPTLRRTTNDL_30W_50IDBRS1N_C1MUN6.5
<b>TW4003167</b>	<b>TAU T</b>	Relay	Without glass	RTT	4000K	30W	169	5.073	ON/OFF	TAUTATPLRRTTNDL_30W_50IDBRS1N_C1MUN6.5
<b>TW4003168</b>	<b>TAU T</b>	Telemangement	Without glass	RTT	4000K	30W	169	5.073	1-10V	TAUTAGPLRRTTNDL_30W_50IDBRS1-10C1MUN6.5
<b>TW4003169</b>	<b>TAU T</b>	Without plug	Without glass	RTT	3000K	30W	163	4.886	ON/OFF	TAUTASPTLRRTTWDL_30W_50IDBRS1N_C1MUN6.5
<b>TW4003170</b>	<b>TAU T</b>	Relay	Without glass	RTT	3000K	30W	163	4.886	ON/OFF	TAUTATPLRRTTWDL_30W_50IDBRS1N_C1MUN6.5
<b>TW4003171</b>	<b>TAU T</b>	Telemangement	Without glass	RTT	3000K	30W	163	4.886	1-10V	TAUTAGPLRRTTWDL_30W_50IDBRS1-10C1MUN6.5
<b>TW4003181</b>	<b>TAU T</b>	Without plug	Without glass	Rtt	5000K	36W	164	5.892	ON/OFF	TAUTASPTLRRTT_DL_36W_50IDBRS1N_C1MUN6.5
<b>TW4003182</b>	<b>TAU T</b>	Relay	Without glass	Rtt	5000K	36W	164	5.892	ON/OFF	TAUTATPLRRTT_DL_36W_50IDBRS1N_C1MUN6.5
<b>TW4003183</b>	<b>TAU T</b>	Telemangement	Without glass	Rtt	5000K	36W	164	5.892	1-10V	TAUTAGPLRRTT_DL_36W_50IDBRS1-10C1MUN6.5
<b>TW4003184</b>	<b>TAU T</b>	Without plug	Without glass	Rtt	4000K	36W	166	5.978	ON/OFF	TAUTASPTLRRTTNDL_36W_50IDBRS1N_C1MUN6.5

STREET

STREET

TAU-T

TAU-T



### BASIC CODE REFERENCES

Code	Model	Plug	Refractor	Optics	TCC	Power	Energy Efficiency	Flux	Control	Description
TW4003185	TAU T	Relay	Without glass	Rtt	4000K	36W	166	5.978	ON/OFF	TAUTATPLRRTTNDL_36W_50IDBRS1N_C1MUN6.5
TW4003186	TAU T	Telemanagement	Without glass	Rtt	4000K	36W	166	5.978	1-10V	TAUTAGTLRRTTNDL_36W_50IDBRS1-10C1MUN6.5
TW4003187	TAU T	Without plug	Without glass	Rtt	3000K	36W	160	5.757	ON/OFF	TAUTASPLRRTTWDL_36W_50IDBRS1N_C1MUN6.5
TW4003188	TAU T	Relay	Without glass	Rtt	3000K	36W	160	5.757	ON/OFF	TAUTATPLRRTTWDL_36W_50IDBRS1N_C1MUN6.5
TW4003189	TAU T	Telemanagement	Without glass	Rtt	3000K	36W	160	5.757	1-10V	TAUTAGTLRRTTWDL_36W_50IDBRS1-10C1MUN6.5
TW4003190	TAU T	Without plug	With glass	Rtt	5000K	36W	140	5.042	ON/OFF	TAUTASGTLRRTTDL_36W_50IDBRS1N_C1MUN6.5
TW4003191	TAU T	Relay	With glass	Rtt	5000K	36W	140	5.042	ON/OFF	TAUTATGTLRRTTDL_36W_50IDBRS1N_C1MUN6.5
TW4003192	TAU T	Telemanagement	With glass	Rtt	5000K	36W	140	5.042	1-10V	TAUTAGGTLRRTTDL_36W_50IDBRS1-10C1MUN6.5
TW4003193	TAU T	Without plug	With glass	Rtt	4000K	36W	142	5.097	ON/OFF	TAUTASGTLRRTTNDL_36W_50IDBRS1N_C1MUN6.5
TW4003194	TAU T	Relay	With glass	Rtt	4000K	36W	142	5.097	ON/OFF	TAUTATGTLRRTTNDL_36W_50IDBRS1N_C1MUN6.5
TW4003195	TAU T	Telemanagement	With glass	Rtt	4000K	36W	142	5.097	1-10V	TAUTAGGTLRRTTNDL_36W_50IDBRS1-10C1MUN6.5
TW4003196	TAU T	Without plug	With glass	Rtt	3000K	36W	134	4.820	ON/OFF	TAUTASGTLRRTTWDL_36W_50IDBRS1N_C1MUN6.5
TW4003197	TAU T	Relay	With glass	Rtt	3000K	36W	134	4.820	ON/OFF	TAUTATGTLRRTTWDL_36W_50IDBRS1N_C1MUN6.5
TW4003198	TAU T	Telemanagement	With glass	Rtt	3000K	36W	134	4.820	1-10V	TAUTAGGTLRRTTWDL_36W_50IDBRS1-10C1MUN6.5
TW4003199	TAU T	Without plug	Without glass	Rtt	5000K	51W	156	7.952	ON/OFF	TAUTASPLRRTTDL_51W_70IDBRS1N_C1MUN6.5
TW4003200	TAU T	Relay	Without glass	Rtt	5000K	51W	156	7.952	ON/OFF	TAUTATPLRRTTDL_51W_70IDBRS1N_C1MUN6.5
TW4003201	TAU T	Telemanagement	Without glass	Rtt	5000K	51W	156	7.952	1-10V	TAUTAGTLRRTTDL_51W_70IDBRS1-10C1MUN6.5
TW4003202	TAU T	Without plug	Without glass	Rtt	4000K	51W	157	8.005	ON/OFF	TAUTASPLRRTTNDL_51W_70IDBRS1N_C1MUN6.5
TW4003203	TAU T	Relay	Without glass	Rtt	4000K	51W	157	8.005	ON/OFF	TAUTATPLRRTTNDL_51W_70IDBRS1N_C1MUN6.5
TW4003204	TAU T	Telemanagement	Without glass	Rtt	4000K	51W	157	8.005	1-10V	TAUTAGTLRRTTNDL_51W_70IDBRS1-10C1MUN6.5
TW4003205	TAU T	Without plug	Without glass	Rtt	3000K	51W	151	7.713	ON/OFF	TAUTASPLRRTTWDL_51W_70IDBRS1N_C1MUN6.5
TW4003206	TAU T	Relay	Without glass	Rtt	3000K	51W	151	7.713	ON/OFF	TAUTATPLRRTTWDL_51W_70IDBRS1N_C1MUN6.5
TW4003207	TAU T	Telemanagement	Without glass	Rtt	3000K	51W	151	7.713	1-10V	TAUTAGTLRRTTWDL_51W_70IDBRS1-10C1MUN6.5
TW4003208	TAU T	Without plug	With glass	Rtt	5000K	51W	133	6.774	ON/OFF	TAUTASGTLRRTTDL_51W_70IDBRS1N_C1MUN6.5
TW4003209	TAU T	Relay	With glass	Rtt	5000K	51W	133	6.774	ON/OFF	TAUTATGTLRRTTDL_51W_70IDBRS1N_C1MUN6.5
TW4003210	TAU T	Telemanagement	With glass	Rtt	5000K	51W	133	6.774	1-10V	TAUTAGGTLRRTTDL_51W_70IDBRS1-10C1MUN6.5
TW4003211	TAU T	Without plug	With glass	Rtt	4000K	51W	135	6.871	ON/OFF	TAUTASGTLRRTTNDL_51W_70IDBRS1N_C1MUN6.5
TW4003212	TAU T	Relay	With glass	Rtt	4000K	51W	135	6.871	ON/OFF	TAUTATGTLRRTTNDL_51W_70IDBRS1N_C1MUN6.5
TW4003213	TAU T	Telemanagement	With glass	Rtt	4000K	51W	135	6.871	1-10V	TAUTAGGTLRRTTNDL_51W_70IDBRS1-10C1MUN6.5
TW4003214	TAU T	Without plug	With glass	Rtt	3000K	51W	130	6.653	ON/OFF	TAUTASGTLRRTTWDL_51W_70IDBRS1N_C1MUN6.5
TW4003215	TAU T	Relay	With glass	Rtt	3000K	51W	130	6.653	ON/OFF	TAUTATGTLRRTTWDL_51W_70IDBRS1N_C1MUN6.5
TW4003216	TAU T	Telemanagement	With glass	Rtt	3000K	51W	130	6.653	1-10V	TAUTAGGTLRRTTWDL_51W_70IDBRS1-10C1MUN6.5
TW4003850	TAU T	Without plug	Without glass	Rtt	5000K	60W	153	9.180	ON/OFF	TAUTASPLRRTTDL_60W_70IDBRS1N_C1MUN6.5
TW4003851	TAU T	Relay	Without glass	Rtt	5000K	60W	153	9.180	ON/OFF	TAUTATPLRRTTDL_60W_70IDBRS1N_C1MUN6.5
TW4003852	TAU T	Telemanagement	Without glass	Rtt	5000K	60W	153	9.180	1-10V	TAUTAGTLRRTTDL_60W_70IDBRS1-10C1MUN6.5
TW4003853	TAU T	Without plug	Without glass	Rtt	4000K	60W	155	9.307	ON/OFF	TAUTASPLRRTTNDL_60W_70IDBRS1N_C1MUN6.5
TW4003854	TAU T	Relay	Without glass	Rtt	4000K	60W	155	9.307	ON/OFF	TAUTATPLRRTTNDL_60W_70IDBRS1N_C1MUN6.5
TW4003855	TAU T	Telemanagement	Without glass	Rtt	4000K	60W	155	9.307	1-10V	TAUTAGTLRRTTNDL_60W_70IDBRS1-10C1MUN6.5
TW4003856	TAU T	Without plug	Without glass	Rtt	3000K	60W	147	8.836	ON/OFF	TAUTASPLRRTTWDL_60W_70IDBRS1N_C1MUN6.5
TW4003857	TAU T	Relay	Without glass	Rtt	3000K	60W	147	8.836	ON/OFF	TAUTATPLRRTTWDL_60W_70IDBRS1N_C1MUN6.5
TW4003858	TAU T	Telemanagement	Without glass	Rtt	3000K	60W	147	8.836	1-10V	TAUTAGTLRRTTWDL_60W_70IDBRS1-10C1MUN6.5
TW4003859	TAU T	Without plug	With glass	RTT	5000K	60W	135	8.086	ON/OFF	TAUTASGTLRRTTDL_60W_70IDBRS1N_C1MUN6.5
TW4003860	TAU T	Relay	With glass	RTT	5000K	60W	135	8.086	ON/OFF	TAUTATGTLRRTTDL_60W_70IDBRS1N_C1MUN6.5
TW4003861	TAU T	Telemanagement	With glass	RTT	5000K	60W	135	8.086	1-10V	TAUTAGGTLRRTTDL_60W_70IDBRS1-10C1MUN6.5
TW4003862	TAU T	Without plug	With glass	RTT	4000K	60W	137	8.214	ON/OFF	TAUTASGTLRRTTNDL_60W_70IDBRS1N_C1MUN6.5
TW4003863	TAU T	Relay	With glass	RTT	4000K	60W	137	8.214	ON/OFF	TAUTATGTLRRTTNDL_60W_70IDBRS1N_C1MUN6.5
TW4003864	TAU T	Telemanagement	With glass	RTT	4000K	60W	137	8.214	1-10V	TAUTAGGTLRRTTNDL_60W_70IDBRS1-10C1MUN6.5
TW4003865	TAU T	Without plug	With glass	RTT	3000K	60W	128	7.691	ON/OFF	TAUTASGTLRRTTWDL_60W_70IDBRS1N_C1MUN6.5
TW4003866	TAU T	Relay	With glass	RTT	3000K	60W	128	7.691	ON/OFF	TAUTATGTLRRTTWDL_60W_70IDBRS1N_C1MUN6.5



### BASIC CODE REFERENCES

Code	Model	Plug	Refractor	Optics	TCC	Power	Energy Efficiency	Flux	Control	Description
TW4003867	TAU T	Telemanagement	With glass	RTT	3000K	60W	128	7.691	1-10V	TAUTAGGTLRRTTWDL_60W_70IDBRS1-10C1MUN6.5
TW4003868	TAU T	Without plug	Without glass	RTT	5000K	68W	152	10.335	ON/OFF	TAUTASPLRRTTDL_68W_78IDBRS1N_C1MUN6.5
TW4003869	TAU T	Relay	Without glass	RTT	5000K	68W	152	10.335	ON/OFF	TAUTATPLRRTTDL_68W_78IDBRS1N_C1MUN6.5
TW4003870	TAU T	Telemanagement	Without glass	RTT	5000K	68W	152	10.335	1-10V	TAUTAGTLRRTTDL_68W_78IDBRS1-10C1MUN6.5
TW4003871	TAU T	Without plug	Without glass	RTT	4000K	68W	154	10.467	ON/OFF	TAUTASPLRRTTNDL_68W_78IDBRS1N_C1MUN6.5
TW4003872	TAU T	Relay	Without glass	RTT	4000K	68W	154	10.467	ON/OFF	TAUTATPLRRTTNDL_68W_78IDBRS1N_C1MUN6.5
TW4003873	TAU T	Telemanagement	Without glass	RTT	4000K	68W	154	10.467	1-10V	TAUTAGTLRRTTNDL_68W_78IDBRS1-10C1MUN6.5
TW4003874	TAU T	Without plug	Without glass	RTT	3000K	68W	149	10.145	ON/OFF	TAUTASPLRRTTWDL_68W_78IDBRS1N_C1MUN6.5
TW4003875	TAU T	Relay	Without glass	RTT	3000K	68W	149	10.145	ON/OFF	TAUTATPLRRTTWDL_68W_78IDBRS1N_C1MUN6.5
TW4003876	TAU T	Telemanagement	Without glass	RTT	3000K	68W	149	10.145	1-10V	TAUTAGTLRRTTWDL_68W_78IDBRS1-10C1MUN6.5
TW4003877	TAU T	Without plug	With glass	RTT	5000K	68W	135	9.203	ON/OFF	TAUTASGTLRRTTDL_68W_78IDBRS1N_C1MUN6.5
TW4003878	TAU T	Relay	With glass	RTT	5000K	68W	135	9.203	ON/OFF	TAUTATGTLRRTTDL_68W_78IDBRS1N_C1MUN6.5
TW4003879	TAU T	Telemanagement	With glass	RTT	5000K	68W	135	9.203	1-10V	TAUTAGGTLRRTTDL_68W_78IDBRS1-10C1MUN6.5
TW4003880	TAU T	Without plug	With glass	RTT	4000K	68W	137	9.296	ON/OFF	TAUTASGTLRRTTNDL_68W_78IDBRS1N_C1MUN6.5
TW4003881	TAU T	Relay	With glass	RTT	4000K	68W	137	9.296	ON/OFF	TAUTATGTLRRTTNDL_68W_78IDBRS1N_C1MUN6.5
TW4003882	TAU T	Telemanagement	With glass	RTT	4000K	68W	137	9.296	1-10V	TAUTAGGTLRRTTNDL_68W_78IDBRS1-10C1MUN6.5
TW4003883	TAU T	Without plug	With glass	RTT	3000K	68W	132	8.956	ON/OFF	TAUTASGTLRRTTWDL_68W_78IDBRS1N_C1MUN6.5
TW4003884	TAU T	Relay	With glass	RTT	3000K	68W	132	8.956	ON/OFF	TAUTATGTLRRTTWDL_68W_78IDBRS1N_C1MUN6.5
TW4003885	TAU T	Telemanagement	With glass	RTT	3000K	68W	132	8.956	1-10V	TAUTAGGTLRRTTWDL_68W_78IDBRS1-10C1MUN6.5
TW4003886	TAU T	Without plug	Without glass	RTT	5000K	82W	145	11.930	ON/OFF	TAUTASPLRRTTDL_82W_93IDBRS1N_C1MUN6.5
TW4003887	TAU T	Relay	Without glass	RTT	5000K	82W	145	11.930	ON/OFF	TAUTATPLRRTTDL_82W_93IDBRS1N_C1MUN6.5
TW4003888	TAU T	Telemanagement	Without glass	RTT	5000K	82W	145	11.930	1-10V	TAUTAGTLRRTTDL_82W_93IDBRS1-10C1MUN6.5
TW4003889	TAU T	Without plug	Without glass	RTT	4000K	82W	150	12.271	ON/OFF	TAUTASPLRRTTNDL_82W_93IDBRS1N_C1MUN6.5
TW4003890	TAU T	Relay	Without glass	RTT	4000K	82W	150	12.271	ON/OFF	TAUTATPLRRTTNDL_82W_93IDBRS1N_C1MUN6.5
TW4003891	TAU T	Telemanagement	Without glass	RTT	4000K	82W	150	12.271	1-10V	TAUTAGTLRRTTNDL_82W_93IDBRS1-10C1MUN6.5
TW4003892	TAU T	Without plug	Without glass	RTT	3000K	82W	142	11.624	ON/OFF	TAUTASPLRRTTWDL_82W_93IDBRS1N_C1MUN6.5
TW4003893	TAU T	Relay	Without glass	RTT	3000K	82W	142	11.624	ON/OFF	TAUTATPLRRTTWDL_82W_93IDBRS1N_C1MUN6.5
TW4003894	TAU T	Telemanagement	Without glass	RTT	3000K	82W	142	11.624	1-10V	TAUTAGTLRRTTWDL_82W_93IDBRS1-10C1MUN6.5
TW4003895	TAU T	Without plug	With glass	RTT	5000K	82W	127	10.402	ON/OFF	TAUTASGTLRRTTDL_82W_93IDBRS1N_C1MUN6.5
TW4003896	TAU T	Relay	With glass	RTT	5000K	82W	127	10.402	ON/OFF	TAUTATGTLRRTTDL_82W_93IDBRS1N_C1MUN6.5
TW4003897	TAU T	Telemanagement	With glass	RTT	5000K	82W	127	10.402	1-10V	TAUTAGGTLRRTTDL_82W_93IDBRS1-10C1MUN6.5
TW4003898	TAU T	Without plug	With glass	RTT	4000K	82W	127	10.451	ON/OFF	TAUTASGTLRRTTNDL_82W_93IDBRS1N_C1MUN6.5
TW4003899	TAU T	Relay	With glass	RTT	4000K	82W	127	10.451	ON/OFF	TAUTATGTLRRTTNDL_82W_93IDBRS1N_C1MUN6.5
TW4003900	TAU T	Telemanagement	With glass	RTT	4000K	82W	127	10.451	1-10V	TAUTAGGTLRRTTNDL_82W_93IDBRS1-10C1MUN6.5
TW4003901	TAU T	Without plug	With glass	RTT	3000K	82W	122	10.035	ON/OFF	TAUTASGTLRRTTWDL_82W_93IDBRS1N_C1MUN6.5
TW4003902	TAU T	Relay	With glass	RTT	3000K	82W	122	10.035	ON/OFF	TAUTATGTLRRTTWDL_82W_93IDBRS1N_C1MUN6.5
TW4003902	TAU T	Telemanagement	With glass	RTT	3000K	82W	122	10.035	1-10V	TAUTAGGTLRRTTWDL_82W_93IDBRS1-10C1MUN6.5

STREET

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STREET

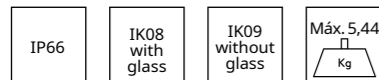
TAU T



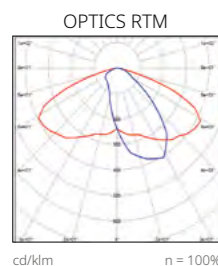


# TAU-M

## LED STREET LIGHTING



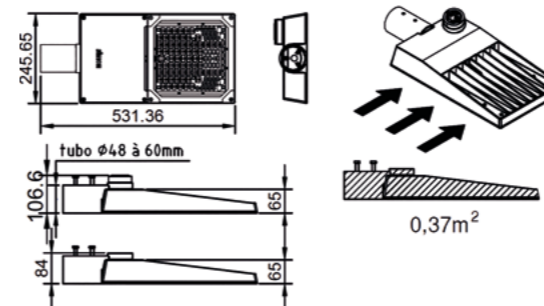
COLOR TEMPERATURE: 3000K | 4000K | 5000K  
 COLOR RENDERING INDEX: >70  
 ENERGY EFFICIENCY: CLASS A  
 MAINTENANCE OF LUMINOUS FLUX: 102,000 HRS (L80)  
 OPTION WITH AND WITHOUT GLASS



## TECHNICAL DESCRIPTION OF THE SPECIFICATIONS

The **TAU-M luminaire** is designed for lighting street roads, viaducts, bridges, walkways, jogging tracks, access roads in residential and industrial condominiums, yards, parks, squares, gardens, and parking lots. **Body:** Die-cast aluminum with high pressure. A single body with two independent parts for equipment and optical group. **Diffuser:** Option with 5mm tempered flat glass or polycarbonate lens. **Thermal dissipation:** Fins on the luminaire body for heat dissipation, with a system that allows for self-cleaning of the fins with rainwater to ensure adequate thermal dissipation throughout the life of the luminaire. **Closure:** Auxiliary equipment is closed by an injected aluminum lid located at the bottom of the luminaire. **Protection rating:** IP66 for the optical body and housing of auxiliary equipment. With a pressure relief filter in the optical group to maintain constant pressure and prevent moisture ingress. **Impact resistance:** IK08 for the option with glass and IK09 for the option without glass. **Weight:** Minimum of 4.36kg and maximum of 5.44kg. **Dimensions:** 531 x 245 x 84mm. **Power:** 84W to 205W. **Luminous flux:** 12,861lm to 33,787lm. **Efficiency:** 143lm/W to 177lm/W. **Energy efficiency:** Class A. **CCT:** 3000K, 4000K, and 5000K. **CRI:** >70. **Beam angle:** RTM optics for street lighting. **Maintenance of luminous flux:** 102,000 hours (L80). **Auxiliary equipment:** Constant current driver incorporated internally into the luminaire (1N\_On/Off or 1-10V). **Nominal voltage:** 90-305 VAC/50-60Hz. **Frequency:** 50/60Hz. **Power factor:** >0.92. **Luminaire electrical protection:** Class I. **Safety:** Protection equipment against overvoltage of 10kV/12kA connected in series, incorporated into the luminaire. **Operating temperature:** -5°C to +50°C. **Socket for photocell or telemetry relay:** Optional. **Installation:** Arm tip fastening - outer diameter of Ø 25.4mm, Ø 33.7mm, Ø 48.3mm, and Ø 60.3mm. **Maintenance:** Access to LED modules from the front of the luminaire and to the driver and DPS by removing 4 screws from the cover at the bottom of the luminaire. Under maintenance conditions, the LED modules and driver can be replaced. **Finish:** Electrostatic paint - Standard Color Munsell N6.5 Gray. Other colors available upon request. **Warranty:** 5 years.

## DIMENSIONS AND FIXATION SYSTEMS



<b>Arm tip fastening</b>	fixation with external diameter of 24.4mm, 33.7mm, 48.3mm and 60.3mm
<b>Weight</b>	5.44kg Maximum

## FINISHES

<b>Body</b>	Electrostatic paint Standard Color: Munsell N6.5 gray *Other colors available upon request
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## ELECTRICAL PARAMETERS

<b>Operating temperature</b>	-5°C a +50°C
<b>Control</b>	<b>1N_</b> On/Off (without regulation) <b>1-10V</b> Regulation protocol
<b>Power Supply Voltage</b>	90-305Vac
<b>Frequency</b>	50/60Hz
<b>Surge protection</b>	10kV/12kA connected in series, built into the luminaire
<b>Power factor</b>	>0,92
<b>Electrical protection of the luminaire</b>	Clase I

## PHYSICAL AND MATERIAL CHARACTERISTICS

<b>Protection rating</b>	IP66
<b>Impact resistance</b>	IK09 (without glass) / IK08 (with glass)
<b>Body</b>	High-pressure die-cast aluminum
<b>Installation</b>	Arm tip fastening
<b>Diffuser</b>	Option: Clear tempered flat glass, 5mm thickness Option: Polycarbonate lens

## QUALITY

<b>Warranty</b>	5 years
<b>Packaging</b>	Packed in a recyclable cardboard box with an identification label to protect the product during transport and storage.
<b>Maintenance</b>	Keep the surface of the diffuser clean to obtain maximum light flow. Use a damp cloth without any abrasive or chemical product. Lubricate the joints and replace them when they are cracked. Lubricate the locks and/or hinges of the movable parts. Keep the surface of the thermal radiation clean to avoid losing light flow or reducing the life of the LEDs



### CONFIGURATION TAU-M LUMINAIRE

Model	Diffuser	Cable	Optics	TCC	Power	Equipment	Control	Protection	Finishes	Description
<b>TAUMAT</b>										TAU luminaire, size T, side mounting and on pole Ø 25.4 to 60.3mm, with socket for photocell relay
<b>TAUMAG</b>										TAU luminaire luminaire, size S, for lateral and post top mounting Ø 25.4 to 60.3mm, with remote control socket
<b>TAUMAS</b>										TAU luminaire, size S, for lateral and post mounting Ø 25.4 to 60.3mm, without plug
<b>TAUMAP</b>										TAU luminaire, size S, for lateral and post mounting Ø 25.4 to 60.3mm, with socket for photocell relay and short circuit protector
<b>TAUMAU</b>										TAU luminaire, size S, for lateral and post mounting Ø 25.4 to 60.3mm, with socket for remote control and short circuit protector
	<b>PTL</b>									Optical assembly closure in polycarbonate Transparent lenticular
	<b>GTF</b>									Clear tempered flat glass with 5mm thickness
		<b>R</b>								With cable for electrical network connection
			<b>RTM</b>							Optics for street lighting
				<b>WDL</b>						3.000 K
				<b>NDL</b>						4.000 K
				<b>_DL</b>						5.000 K
					<b>84W</b>					14.795 lm @ 4000K – 176 lm/W (without glass)
					<b>94W</b>					16.670 lm @ 4000K – 177 lm/W (without glass)
					<b>106W</b>					18.101 lm @ 4000K – 171 lm/W (without glass)
					<b>121W</b>					21.171 lm @ 4000K – 175 lm/W (without glass)
					<b>135W</b>					23.324 lm @ 4000K – 173 lm/W (without glass)
					<b>153W</b>					25.648 lm @ 4000K – 168 lm/W (without glass)
					<b>187W</b>					31.515 lm @ 4000K – 169 lm/W (without glass)
					<b>205W</b>					33.787 lm @ 4000K – 165 lm/W (without glass)
						<b>IDBRS</b>				Producido en Brasil, con dispositivo de Surge protection sobretensiones. Estándar TW.
							<b>1N_</b>			Without regulation (ON/OFF)
							<b>1-10_</b>			Regulation by 1-10V protocol input
								<b>C1</b>		Electrical protection of the luminaire Class 1
									<b>MUN6.5</b>	Standard color - Munsell N6.5 Gray



### BASIC CODE REFERENCES

Code	Model	Plug	Refractor	Optics	TCC	Power	Energy Efficiency	Flux	Control	Description
<b>TW4002983</b>	<b>TAU M</b>	Without plug	Without glass	RTM	5000K	84W	178	14.953	ON/OFF	TAUMASPTLRRTM_DL_84W_72IDBRS1N_C1MUN6.5
<b>TW4002984</b>	<b>TAU M</b>	Relay	Without glass	RTM	5000K	84W	178	14.953	ON/OFF	TAUMATPLRRTM_DL_84W_72IDBRS1N_C1MUN6.5
<b>TW4002985</b>	<b>TAU M</b>	Telemangement	Without glass	RTM	5000K	84W	178	14.953	1-10V	TAUMAGPLRRTM_DL_84W_72IDBRS1-10C1MUN6.5
<b>TW4002986</b>	<b>TAU M</b>	Without plug	Without glass	RTM	4000K	84W	176	14.795	ON/OFF	TAUMASPTLRRTMNDL_84W_72IDBRS1N_C1MUN6.5
<b>TW4002987</b>	<b>TAU M</b>	Relay	Without glass	RTM	4000K	84W	176	14.795	ON/OFF	TAUMATPLRRTMNDL_84W_72IDBRS1N_C1MUN6.5
<b>TW4002988</b>	<b>TAU M</b>	Telemangement	Without glass	RTM	4000K	84W	176	14.795	1-10V	TAUMAGPLRRTMNDL_84W_72IDBRS1-10C1MUN6.5
<b>TW4002989</b>	<b>TAU M</b>	Without plug	Without glass	RTM	3000K	84W	171	14.356	ON/OFF	TAUMASPTLRRTMNDL_84W_72IDBRS1N_C1MUN6.5
<b>TW4002990</b>	<b>TAU M</b>	Relay	Without glass	RTM	3000K	84W	171	14.356	ON/OFF	TAUMATPLRRTMNDL_84W_72IDBRS1N_C1MUN6.5
<b>TW4002991</b>	<b>TAU M</b>	Telemangement	Without glass	RTM	3000K	84W	171	14.356	1-10V	TAUMAGPLRRTMNDL_84W_72IDBRS1-10C1MUN6.5
<b>TW4002992</b>	<b>TAU M</b>	Without plug	With glass	RTM	5000K	84W	163	13.664	ON/OFF	TAUMASGTFRRTM_DL_84W_72IDBRS1N_C1MUN6.5
<b>TW4002993</b>	<b>TAU M</b>	Relay	With glass	RTM	5000K	84W	163	13.664	ON/OFF	TAUMATGTFRRTM_DL_84W_72IDBRS1N_C1MUN6.5
<b>TW4002994</b>	<b>TAU M</b>	Telemangement	With glass	RTM	5000K	84W	163	13.664	1-10V	TAUMAGGTFRRTM_DL_84W_72IDBRS1-10C1MUN6.5
<b>TW4002995</b>	<b>TAU M</b>	Without plug	With glass	RTM	4000K	84W	164	13.745	ON/OFF	TAUMASGTFRRTMNDL_84W_72IDBRS1N_C1MUN6.5
<b>TW4002996</b>	<b>TAU M</b>	Relay	With glass	RTM	4000K	84W	164	13.745	ON/OFF	TAUMATGTFRRTMNDL_84W_72IDBRS1N_C1MUN6.5
<b>TW4002997</b>	<b>TAU M</b>	Telemangement	With glass	RTM	4000K	84W	164	13.745	1-10V	TAUMAGGTFRRTMNDL_84W_72IDBRS1-10C1MUN6.5
<b>TW4002998</b>	<b>TAU M</b>	Without plug	With glass	RTM	3000K	84W	153	12.861	ON/OFF	TAUMASGTFRRTMNDL_84W_72IDBRS1N_C1MUN6.5
<b>TW4002999</b>	<b>TAU M</b>	Relay	With glass	RTM	3000K	84W	153	12.861	ON/OFF	TAUMATGTFRRTMNDL_84W_72IDBRS1N_C1MUN6.5
<b>TW4003000</b>	<b>TAU M</b>	Telemangement	With glass	RTM	3000K	84W	153	12.861	1-10V	TAUMAGGTFRRTMNDL_84W_72IDBRS1-10C1MUN6.5
<b>TW4003001</b>	<b>TAU M</b>	Without plug	Without glass	RTM	5000K	94W	174	16.363	ON/OFF	TAUMASPTLRRTM_DL_94W_80IDBRS1N_C1MUN6.5
<b>TW4003002</b>	<b>TAU M</b>	Relay	Without glass	RTM	5000K	94W	174	16.363	ON/OFF	TAUMATPLRRTM_DL_94W_80IDBRS1N_C1MUN6.5
<b>TW4003003</b>	<b>TAU M</b>	Telemangement	Without glass	RTM	5000K	94W	174	16.363	1-10V	TAUMAGPLRRTM_DL_94W_80IDBRS1-10C1MUN6.5
<b>TW4003004</b>	<b>TAU M</b>	Without plug	Without glass	RTM	4000K	94W	177	16.670	ON/OFF	TAUMASPTLRRTMNDL_94W_80IDBRS1N_C1MUN6.5
<b>TW4003005</b>	<b>TAU M</b>	Relay	Without glass	RTM	4000K	94W	177	16.670	ON/OFF	TAUMATPLRRTMNDL_94W_80IDBRS1N_C1MUN6.5
<b>TW4003006</b>	<b>TAU M</b>	Telemangement	Without glass	RTM	4000K	94W	177	16.670	1-10V	TAUMAGPLRRTMNDL_94W_80IDBRS1-10C1MUN6.5
<b>TW4003007</b>	<b>TAU M</b>	Without plug	Without glass	RTM	3000K	94W	165	15.557	ON/OFF	TAUMASPTLRRTMNDL_94W_80IDBRS1N_C1MUN6.5
<b>TW4003008</b>	<b>TAU M</b>	Relay	Without glass	RTM	3000K	94W	165	15.557	ON/OFF	TAUMATPLRRTMNDL_94W_80IDBRS1N_C1MUN6.5
<b>TW4003009</b>	<b>TAU M</b>	Telemangement	Without glass	RTM	3000K	94W	165	15.557	1-10V	TAUMAGPLRRTMNDL_94W_80IDBRS1-10C1MUN6.5
<b>TW4003010</b>	<b>TAU M</b>	Without plug	With glass	RTM	5000K	94W	160	15.055	ON/OFF	TAUMASGTFRRTM_DL_94W_80IDBRS1N_C1MUN6.5
<b>TW4003011</b>	<b>TAU M</b>	Relay	With glass	RTM	5000K	94W	160	15.055	ON/OFF	TAUMATGTFRRTM_DL_94W_80IDBRS1N_C1MUN6.5
<b>TW4003012</b>	<b>TAU M</b>	Telemangement	With glass	RTM	5000K	94W	160	15.055	1-10V	TAUMAGGTFRRTM_DL_94W_80IDBRS1-10C1MUN6.5
<b>TW4003013</b>	<b>TAU M</b>	Without plug	With glass	RTM	4000K	94W	157	14.765	ON/OFF	TAUMASGTFRRTMNDL_94W_80IDBRS1N_C1MUN6.5
<b>TW4003014</b>	<b>TAU M</b>	Relay	With glass	RTM	4000K	94W	157	14.765	ON/OFF	TAUMATGTFRRTMNDL_94W_80IDBRS1N_C1MUN6.5
<b>TW4003015</b>	<b>TAU M</b>	Telemangement	With glass	RTM	4000K	94W	157	14.765	1-10V	TAUMAGGTFRRTMNDL_94W_80IDBRS1-10C1MUN6.5
<b>TW4003016</b>	<b>TAU M</b>	Without plug	With glass	RTM	3000K	94W	154	14.438	ON/OFF	TAUMASGTFRRTMNDL_94W_80IDBRS1N_C1MUN6.5
<b>TW4003017</b>	<b>TAU M</b>	Relay	With glass	RTM	3000K	94W	154	14.438	ON/OFF	TAUMATGTFRRTMNDL_94W_80IDBRS1N_C1MUN6.5
<b>TW4003018</b>	<b>TAU M</b>	Telemangement	With glass	RTM	3000K	94W	154	14.438	1-10V	TAUMAGGTFRRTMNDL_94W_80IDBRS1-10C1MUN6.5
<b>TW4003019</b>	<b>TAU M</b>	Without plug	Without glass	RTM	5000K	106W	171	18.173	ON/OFF	TAUMASPTLRRTM_DL106W_90IDBRS1N_C1MUN6.5
<b>TW4003020</b>	<b>TAU M</b>	Relay	Without glass	RTM	5000K	106W	171	18.173	ON/OFF	TAUMATPLRRTM_DL106W_90IDBRS1N_C1MUN6.5
<b>TW4003021</b>	<b>TAU M</b>	Telemangement	Without glass	RTM	5000K	106W	171	18.173	1-10V	TAUMAGPLRRTM_DL106W_90IDBRS1-10C1MUN6.5
<b>TW4003022</b>	<b>TAU M</b>	Without plug	Without glass	RTM	4000K	106W	171	18.101	ON/OFF	TAUMASPTLRRTMNDL106W_90IDBRS1N_C1MUN6.5
<b>TW4003023</b>	<b>TAU M</b>	Relay	Without glass	RTM	4000K	106W	171	18.101	ON/OFF	TAUMATPLRRTMNDL106W_90IDBRS1N_C1MUN6.5
<b>TW4003024</b>	<b>TAU M</b>	Telemangement	Without glass	RTM	4000K	106W	171	18.101	1-10V	TAUMAGPLRRTMNDL106W_90IDBRS1-10C1MUN6.5
<b>TW4003025</b>	<b>TAU M</b>	Without plug	Without glass	RTM	3000K	106W	164	17.373	ON/OFF	TAUMASPTLRRTMNDL106W_90IDBRS1N_C1MUN6.5
<b>TW4003026</b>	<b>TAU M</b>	Relay	Without glass	RTM	3000K	106W	164	17.373	ON/OFF	TAUMATPLRRTMNDL106W_90IDBRS1N_C1MUN6.5
<b>TW4003027</b>	<b>TAU M</b>	Telemangement	Without glass	RTM	3000K	106W	164	17.373	1-10V	TAUMAGPLRRTMNDL106W_90IDBRS1-10C1MUN6.5
<b>TW4003028</b>	<b>TAU M</b>	Without plug	With glass	RTM	5000K	106W	155	16.447	ON/OFF	TAUMASGTFRRTM_DL106W_90IDBRS1N_C1MUN6.5
<b>TW4003029</b>	<b>TAU M</b>	Relay	With glass	RTM	5000K	106W	155	16.447	ON/OFF	TAUMATGTFRRTM_DL106W_90IDBRS1N_C1MUN6.5
<b>TW4003030</b>	<b>TAU M</b>	Telemangement	With glass	RTM	5000K	106W	155	16.447	1-10V	TAUMAGGTFRRTM_DL106W_90IDBRS1-10C1MUN6.5
<b>TW4003031</b>	<b>TAU M</b>	Without plug	With glass	RTM	4000K	106W	155	16.432	ON/OFF	TAUMASGTFRRTMNDL106W_90IDBRS1N_C1MUN6.5
<b>TW4003032</b>	<b>TAU M</b>	Relay	With glass	RTM	4000K	106W	155	16.432	ON/OFF	TAUMATGTFRRTMNDL106W_90IDBRS1N_C1MUN6.5

STREET

STREET

TAU-M

TAU-M



**BASIC CODE REFERENCES**

Code	Model	Plug	Refractor	Optics	TCC	Power	Energy Efficiency	Flux	Control	Description
<b>TW4003033</b>	<b>TAU M</b>	Telemanagement	With glass	RTM	4000K	106W	155	16.432	1-10V	TAUMAGGTFRRTMNDL106W_90IDBRS1-10C1MUN6.5
<b>TW4003034</b>	<b>TAU M</b>	Without plug	With glass	RTM	3000K	106W	148	15.717	ON/OFF	TAUMASGTFRRTMWDL106W_90IDBRS1N_C1MUN6.5
<b>TW4003035</b>	<b>TAU M</b>	Relay	With glass	RTM	3000K	106W	148	15.717	ON/OFF	TAUMATGTFRRTMWDL106W_90IDBRS1N_C1MUN6.5
<b>TW4003036</b>	<b>TAU M</b>	Telemanagement	With glass	RTM	3000K	106W	148	15.717	1-10V	TAUMAGGTFRRTMWDL106W_90IDBRS1-10C1MUN6.5
<b>TW4003037</b>	<b>TAU M</b>	Without plug	Without glass	RTM	5000K	121W	171	20.701	ON/OFF	TAUMASPTLRRTM_DL121W_85IDBRS1N_C1MUN6.5
<b>TW4003038</b>	<b>TAU M</b>	Relay	Without glass	RTM	5000K	121W	171	20.701	ON/OFF	TAUMATPLRRTM_DL121W_85IDBRS1N_C1MUN6.5
<b>TW4003039</b>	<b>TAU M</b>	Telemanagement	Without glass	RTM	5000K	121W	171	20.701	1-10V	TAUMAGPTLRRTM_DL121W_85IDBRS1-10C1MUN6.5
<b>TW4003040</b>	<b>TAU M</b>	Without plug	Without glass	RTM	4000K	121W	175	21.171	ON/OFF	TAUMASPTLRRTMNDL121W_85IDBRS1N_C1MUN6.5
<b>TW4003041</b>	<b>TAU M</b>	Relay	Without glass	RTM	4000K	121W	175	21.171	ON/OFF	TAUMATPLRRTMNDL121W_85IDBRS1N_C1MUN6.5
<b>TW4003042</b>	<b>TAU M</b>	Telemanagement	Without glass	RTM	4000K	121W	175	21.171	1-10V	TAUMAGPTLRRTMNDL121W_85IDBRS1-10C1MUN6.5
<b>TW4003043</b>	<b>TAU M</b>	Without plug	Without glass	RTM	3000K	121W	166	20.113	ON/OFF	TAUMASPTLRRTMNDL121W_85IDBRS1N_C1MUN6.5
<b>TW4003044</b>	<b>TAU M</b>	Relay	Without glass	RTM	3000K	121W	166	20.113	ON/OFF	TAUMATPLRRTMNDL121W_85IDBRS1N_C1MUN6.5
<b>TW4003045</b>	<b>TAU M</b>	Telemanagement	Without glass	RTM	3000K	121W	166	20.113	1-10V	TAUMAGPTLRRTMNDL121W_85IDBRS1-10C1MUN6.5
<b>TW4003046</b>	<b>TAU M</b>	Without plug	With glass	RTM	5000K	121W	159	19.299	ON/OFF	TAUMASGTFRRTM_DL121W_85IDBRS1N_C1MUN6.5
<b>TW4003047</b>	<b>TAU M</b>	Relay	With glass	RTM	5000K	121W	159	19.299	ON/OFF	TAUMATGTFRRTM_DL121W_85IDBRS1N_C1MUN6.5
<b>TW4003048</b>	<b>TAU M</b>	Telemanagement	With glass	RTM	5000K	121W	159	19.299	1-10V	TAUMAGGTFRRTM_DL121W_85IDBRS1-10C1MUN6.5
<b>TW4003049</b>	<b>TAU M</b>	Without plug	With glass	RTM	4000K	121W	159	19.297	ON/OFF	TAUMASGTFRRTMNDL121W_85IDBRS1N_C1MUN6.5
<b>TW4003050</b>	<b>TAU M</b>	Relay	With glass	RTM	4000K	121W	159	19.297	ON/OFF	TAUMATGTFRRTMNDL121W_85IDBRS1N_C1MUN6.5
<b>TW4003051</b>	<b>TAU M</b>	Telemanagement	With glass	RTM	4000K	121W	159	19.297	1-10V	TAUMAGGTFRRTMNDL121W_85IDBRS1-10C1MUN6.5
<b>TW4003052</b>	<b>TAU M</b>	Without plug	With glass	RTM	3000K	121W	152	18.430	ON/OFF	TAUMASGTFRRTMWDL121W_85IDBRS1N_C1MUN6.5
<b>TW4003053</b>	<b>TAU M</b>	Relay	With glass	RTM	3000K	121W	152	18.430	ON/OFF	TAUMATGTFRRTMWDL121W_85IDBRS1N_C1MUN6.5
<b>TW4003054</b>	<b>TAU M</b>	Telemanagement	With glass	RTM	3000K	121W	152	18.430	1-10V	TAUMAGGTFRRTMWDL121W_85IDBRS1-10C1MUN6.5
<b>TW4003055</b>	<b>TAU M</b>	Without plug	Without glass	RTM	5000K	135W	170	22.913	ON/OFF	TAUMASPTLRRTM_DL135W_96IDBRS1N_C1MUN6.5
<b>TW4003056</b>	<b>TAU M</b>	Relay	Without glass	RTM	5000K	135W	170	22.913	ON/OFF	TAUMATPLRRTM_DL135W_96IDBRS1N_C1MUN6.5
<b>TW4003057</b>	<b>TAU M</b>	Telemanagement	Without glass	RTM	5000K	135W	170	22.913	1-10V	TAUMAGPTLRRTM_DL135W_96IDBRS1-10C1MUN6.5
<b>TW4003058</b>	<b>TAU M</b>	Without plug	Without glass	RTM	4000K	135W	173	23.324	ON/OFF	TAUMASPTLRRTMNDL135W_96IDBRS1N_C1MUN6.5
<b>TW4003059</b>	<b>TAU M</b>	Relay	Without glass	RTM	4000K	135W	173	23.324	ON/OFF	TAUMATPLRRTMNDL135W_96IDBRS1N_C1MUN6.5
<b>TW4003060</b>	<b>TAU M</b>	Telemanagement	Without glass	RTM	4000K	135W	173	23.324	1-10V	TAUMAGPTLRRTMNDL135W_96IDBRS1-10C1MUN6.5
<b>TW4003061</b>	<b>TAU M</b>	Without plug	Without glass	RTM	3000K	135W	173	23.324	ON/OFF	TAUMASPTLRRTMNDL135W_96IDBRS1N_C1MUN6.5
<b>TW4003062</b>	<b>TAU M</b>	Relay	Without glass	RTM	3000K	135W	173	23.324	ON/OFF	TAUMATPLRRTMNDL135W_96IDBRS1N_C1MUN6.5
<b>TW4003063</b>	<b>TAU M</b>	Telemanagement	Without glass	RTM	3000K	135W	173	23.324	1-10V	TAUMAGPTLRRTMNDL135W_96IDBRS1-10C1MUN6.5
<b>TW4003064</b>	<b>TAU M</b>	Without plug	With glass	RTM	5000K	135W	156	21.126	ON/OFF	TAUMASGTFRRTM_DL135W_96IDBRS1N_C1MUN6.5
<b>TW4003065</b>	<b>TAU M</b>	Relay	With glass	RTM	5000K	135W	156	21.126	ON/OFF	TAUMATGTFRRTM_DL135W_96IDBRS1N_C1MUN6.5
<b>TW4003066</b>	<b>TAU M</b>	Telemanagement	With glass	RTM	5000K	135W	156	21.126	1-10V	TAUMAGGTFRRTM_DL135W_96IDBRS1-10C1MUN6.5
<b>TW4003067</b>	<b>TAU M</b>	Without plug	With glass	RTM	4000K	135W	157	21.236	ON/OFF	TAUMASGTFRRTMNDL135W_96IDBRS1N_C1MUN6.5
<b>TW4003068</b>	<b>TAU M</b>	Relay	With glass	RTM	4000K	135W	157	21.236	ON/OFF	TAUMATGTFRRTMNDL135W_96IDBRS1N_C1MUN6.5
<b>TW4003069</b>	<b>TAU M</b>	Telemanagement	With glass	RTM	4000K	135W	157	21.236	1-10V	TAUMAGGTFRRTMNDL135W_96IDBRS1-10C1MUN6.5
<b>TW4003070</b>	<b>TAU M</b>	Without plug	With glass	RTM	3000K	135W	148	19.974	ON/OFF	TAUMASGTFRRTMWDL135W_96IDBRS1N_C1MUN6.5
<b>TW4003071</b>	<b>TAU M</b>	Relay	With glass	RTM	3000K	135W	148	19.974	ON/OFF	TAUMATGTFRRTMWDL135W_96IDBRS1N_C1MUN6.5
<b>TW4003072</b>	<b>TAU M</b>	Telemanagement	With glass	RTM	3000K	135W	148	19.974	1-10V	TAUMAGGTFRRTMWDL135W_96IDBRS1-10C1MUN6.5
<b>TW4003073</b>	<b>TAU M</b>	Without plug	Without glass	RTM	5000K	153W	168	25.746	ON/OFF	TAUMASPTLRRTM_DL153W105IDBRS1N_C1MUN6.5
<b>TW4003074</b>	<b>TAU M</b>	Relay	Without glass	RTM	5000K	153W	168	25.746	ON/OFF	TAUMATPLRRTM_DL153W105IDBRS1N_C1MUN6.5
<b>TW4003075</b>	<b>TAU M</b>	Telemanagement	Without glass	RTM	5000K	153W	168	25.746	1-10V	TAUMAGPTLRRTM_DL153W105IDBRS1-10C1MUN6.5
<b>TW4003076</b>	<b>TAU M</b>	Without plug	Without glass	RTM	4000K	153W	168	25.648	ON/OFF	TAUMASPTLRRTMNDL153W105IDBRS1N_C1MUN6.5
<b>TW4003077</b>	<b>TAU M</b>	Relay	Without glass	RTM	4000K	153W	168	25.648	ON/OFF	TAUMATPLRRTMNDL153W105IDBRS1N_C1MUN6.5
<b>TW4003078</b>	<b>TAU M</b>	Telemanagement	Without glass	RTM	4000K	153W	168	25.648	1-10V	TAUMAGPTLRRTMNDL153W105IDBRS1-10C1MUN6.5
<b>TW4003079</b>	<b>TAU M</b>	Without plug	Without glass	RTM	3000K	153W	161	24.610	ON/OFF	TAUMASPTLRRTMNDL153W105IDBRS1N_C1MUN6.5
<b>TW4003080</b>	<b>TAU M</b>	Relay	Without glass	RTM	3000K	153W	161	24.610	ON/OFF	TAUMATPLRRTMNDL153W105IDBRS1N_C1MUN6.5
<b>TW4003081</b>	<b>TAU M</b>	Telemanagement	Without glass	RTM	3000K	153W	161	24.610	1-10V	TAUMAGPTLRRTMNDL153W105IDBRS1-10C1MUN6.5
<b>TW4003082</b>	<b>TAU M</b>	Without plug	With glass	RTM	5000K	153W	153	23.370	ON/OFF	TAUMASGTFRRTM_DL153W105IDBRS1N_C1MUN6.5

**BASIC CODE REFERENCES**

Code	Model	Plug	Refractor	Optics	TCC	Power	Energy Efficiency	Flux	Control	Description
<b>TW4003083</b>	<b>TAU M</b>	Relay	With glass	RTM	5000K	153W	153	23.370	ON/OFF	TAUMATGTFRRTM_DL153W105IDBRS1N_C1MUN6.5
<b>TW4003084</b>	<b>TAU M</b>	Telemanagement	With glass	RTM	5000K	153W	153	23.370	1-10V	TAUMAGGTFRRTM_DL153W105IDBRS1-10C1MUN6.5
<b>TW4003085</b>	<b>TAU M</b>	Without plug	With glass	RTM	4000K	153W	155	23.639	ON/OFF	TAUMASGTFRRTMNDL153W105IDBRS1N_C1MUN6.5
<b>TW4003086</b>	<b>TAU M</b>	Relay	With glass	RTM	4000K	153W	155	23.639	ON/OFF	TAUMATGTFRRTMNDL153W105IDBRS1N_C1MUN6.5
<b>TW4003087</b>	<b>TAU M</b>	Telemanagement	With glass	RTM	4000K	153W	155	23.639	1-10V	TAUMAGGTFRRTMNDL153W105IDBRS1-10C1MUN6.5
<b>TW4003088</b>	<b>TAU M</b>	Without plug	With glass	RTM	3000K	153W	145	22.140	ON/OFF	TAUMASGTFRRTMWDL153W105IDBRS1N_C1MUN6.5
<b>TW4003089</b>	<b>TAU M</b>	Relay	With glass	RTM	3000K	153W	145	22.140	ON/OFF	TAUMATGTFRRTMWDL153W105IDBRS1N_C1MUN6.5
<b>TW4003090</b>	<b>TAU M</b>	Telemanagement	With glass	RTM	3000K	153W	145	22.140	1-10V	TAUMAGGTFRRTMWDL153W105IDBRS1-10C1MUN6.5
<b>TW4003091</b>	<b>TAU M</b>	Without plug	Without glass	RTM	5000K	187W	168	31.424	ON/OFF	TAUMASPTLRRTM_DL187W105IDBRS1N_C1MUN6.5
<b>TW4003092</b>	<b>TAU M</b>	Relay	Without glass	RTM	5000K	187W	168	31.424	ON/OFF	TAUMATPLRRTM_DL187W105IDBRS1N_C1MUN6.5
<b>TW4003093</b>	<b>TAU M</b>	Telemanagement	Without glass	RTM	5000K	187W	168	31.424	1-10V	TAUMAGPTLRRTM_DL187W105IDBRS1-10C1MUN6.5
<b>TW4003094</b>	<b>TAU M</b>	Without plug	Without glass	RTM	4000K	187W	169	31.515	ON/OFF	TAUMASPTLRRTMNDL187W105IDBRS1N_C1MUN6.5
<b>TW4003095</b>	<b>TAU M</b>	Relay	Without glass	RTM	4000K	187W	169	31.515	ON/OFF	TAUMATPLRRTMNDL187W105IDBRS1N_C1MUN6.5
<b>TW4003096</b>	<b>TAU M</b>	Telemanagement	Without glass	RTM	4000K	187W	169	31.515	1-10V	TAUMAGPTLRRTMNDL187W105IDBRS1-10C1MUN6.5
<b>TW4003097</b>	<b>TAU M</b>	Without plug	Without glass	RTM	3000K	187W	161	30.086	ON/OFF	TAUMASPTLRRTMNDL187W105IDBRS1N_C1MUN6.5
<b>TW4003098</b>	<b>TAU M</b>	Relay	Without glass	RTM	3000K	187W	161	30.086	ON/OFF	TAUMATPLRRTMNDL187W105IDBRS1N_C1MUN6.5
<b>TW4003099</b>	<b>TAU M</b>	Telemanagement	Without glass	RTM	3000K	187W	161	30.086	1-10V	TAUMAGPTLRRTMNDL187W105IDBRS1-10C1MUN6.5
<b>TW4003100</b>	<b>TAU M</b>	Without plug	With glass	RTM	5000K	187W	154	28.786	ON/OFF	TAUMASGTFRRTM_DL187W105IDBRS1N_C1MUN6.5
<b>TW4003101</b>	<b>TAU M</b>	Relay	With glass	RTM	5000K	187W	154	28.786	ON/OFF	TAUMATGTFRRTM_DL187W105IDBRS1N_C1MUN6.5
<b>TW4003102</b>	<b>TAU M</b>	Telemanagement	With glass	RTM	5000K	187W	154	28.786	1-10V	TAUMAGGTFRRTM_DL187W105IDBRS1-10C1MUN6.5
<b>TW4003103</b>	<b>TAU M</b>	Without plug	With glass	RTM	4000K	187W	154	28.762	ON/OFF	TAUMASGTFRRTMNDL187W105IDBRS1N_C1MUN6.5
<b>TW4003104</b>	<b>TAU M</b>	Relay	With glass	RTM	4000K	187W	154	28.762	ON/OFF	TAUMATGTFRRTMNDL187W105IDBRS1N_C1MUN6.5
<b>TW4003105</b>	<b>TAU M</b>	Telemanagement	With glass	RTM	4000K	187W	154	28.762	1-10V	TAUMAGGTFRRTMNDL187W105IDBRS1-10C1MUN6.5
<b>TW4003106</b>	<b>TAU M</b>	Without plug	With glass	RTM	3000K	187W	145	27.122	ON/OFF	TAUMASGTFRRTMWDL187W105IDBRS1N_C1MUN6.5
<b>TW4003107</b>	<b>TAU M</b>	Relay	With glass	RTM	3000K	187W	145	27.122	ON/OFF	TAUMATGTFRRTMWDL187W105IDBRS1N_C1MUN6.5
<b>TW4003108</b>	<b>TAU M</b>	Telemanagement	With glass	RTM	3000K	187W	145	27.122	1-10V	TAUMAGGTFRRTMWDL187W105IDBRS1-10C1MUN6.5
<b>TW4003109</b>	<b>TAU M</b>	Without plug	Without glass	RTM	5000K	205W	163	33.376	ON/OFF	TAUMASPTLRRTM_DL205W114IDBRS1N_C1MUN6.5
<b>TW4003110</b>	<b>TAU M</b>	Relay	Without glass	RTM	5000K	205W	163	33.376	ON/OFF	TAUMATPLRRTM_DL205W114IDBRS1N_C1MUN6.5
<b>TW4003111</b>	<b>TAU M</b>	Telemanagement	Without glass	RTM	5000K	205W	163	33.376	1-10V	TAUMAGPTLRRTM_DL205W114IDBRS1-10C1MUN6.5
<b>TW4003112</b>	<b>TAU M</b>	Without plug	Without glass	RTM	4000K	205W	165	33.787	ON/OFF	TAUMASPTLRRTMNDL205W114IDBRS1N_C1MUN6.5
<b>TW4003113</b>	<b>TAU M</b>	Relay	Without glass	RTM	4000K	205W	165	33.787	ON/OFF	TAUMATPLRRTMNDL205W114IDBRS1N_C1MUN6.5
<b>TW4003114</b>	<b>TAU M</b>	Telemanagement	Without glass	RTM	4000K	205W	165	33.787	1-10V	TAUMAGPTLRRTMNDL205W114IDBRS1-10C1MUN6.5
<b>TW4003115</b>	<b>TAU M</b>	Without plug	Without glass	RTM	3000K	205W	157	32.083	ON/OFF	TAUMASPTLRRTMNDL205W114IDBRS1N_C1MUN6.5
<b>TW4003116</b>	<b>TAU M</b>	Relay	Without glass	RTM	3000K	205W	157	32.083	ON/OFF	TAUMATPLRRTMNDL205W114IDBRS1N_C1MUN6.5
<b>TW4003117</b>	<b>TAU M</b>	Telemanagement	Without glass	RTM	3000K	205W	157	32.083	1-10V	TAUMAGPTLRRTMNDL205W114IDBRS1-10C1MUN6.5
<b>TW4003118</b>	<b>TAU M</b>	Without plug	With glass	RTM	5000K	205W	148	30.419	ON/OFF	TAUMASGTFRRTM_DL205W114IDBRS1N_C1MUN6.5
<b>TW4003119</b>	<b>TAU M</b>	Relay	With glass	RTM	5000K	205W	148	30.419	ON/OFF	TAUMATGTFRRTM_DL205W114IDBRS1N_C1MUN6.5
<b>TW4003120</b>	<b>TAU M</b>	Telemanagement	With glass	RTM	5000K	205W	148	30.419	1-10V	TAUMAGGTFRRTM_DL205W114IDBRS1-10C1MUN6.5
<b>TW4003121</b>	<b>TAU M</b>	Without plug	With glass	RTM	4000K	205W	148	30.		

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