

# *Palazzoli*

## General Catalogue



2019/2020

# ***Palazzoli***





CHIAREZZA DELLA FUNZIONE  
SEMPLICITÀ DI PROGETTO  
QUALITÀ DELLA MANIFATTURA

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CLARITY OF FUNCTION  
PROJECT SIMPLICITY  
QUALITY OF MANUFACTURE

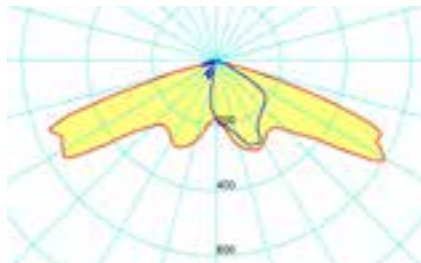


# TIGUA



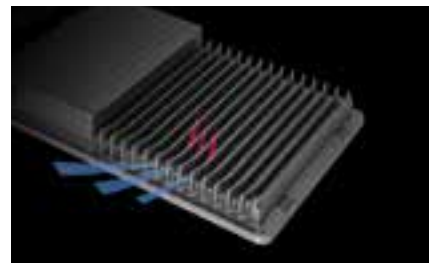
## Lights up more

The high power LEDs ensure maximum optimisation of the light output.



## Lights up everywhere

This range of lighting systems enables to develop any lighting project for streets, squares, pedestrian precincts, etc.



## Reliable

Heat sinks are designed to increase heat conduction while preserving luminous flux.



TIGUA Street is Palazzoli's new range of lighting systems that represents the best solution for the lighting of roads, crossings, roundabouts, motorway junctions and car parks. The body is in die-cast aluminium EN 44300 with a very low copper content and anti-corrosion treatment for maximum resistance in harsh environments.

Compliance with standards  
**Directive 2014/35/EU**  
**EN 60598-1**  
**EN 60598-2-3**  
**EN 62471**  
**EN 62493**  
**IEC/TR 62778**  
**Directive 2014/30/EU**  
**EN 55015**  
**EN 61547**  
**EN 61000-3-2**  
**EN 61000-3-3**  
**Directive 2011/65/EU**  
**EN 50581**

Body material	<b>Die-cast aluminium EN 44300</b>
Surface treatment	<b>Fluoro-zirconium treatment</b>
Diffuser material	<b>Extra clear tempered glass</b>
Protection rating (IP according to IEC/EN 60529)	<b>IP66</b>
Paint	<b>Hot-polymerised non-toxic polyester</b>
Colour	<b>RAL 7011</b>
Impact resistance (IK rating according to IEC/EN 62262)	<b>IK08</b>
Corrosion class	<b>C4 according to ISO9223</b>
Weight	<b>7.5kg</b>
Side surface exposed to the wind	<b>0.031m<sup>2</sup></b>
LED device efficiency	<b>115 lm/W</b>
Colour temperature	<b>4000k (other temperatures on request)</b>
CRI	<b>≥ 70</b>
Insulation class	<b>II (I on request)</b>
Supply voltage	<b>200 -240 V 50-60 Hz</b>
Input surge protection	<b>8kV common mode 10 kV differential mode EN 61000</b>
Residual flicker	<b>&lt; 1%</b>
Photobiological risk	<b>Exempt</b>
Power factor	<b>&gt; 0.98</b>
Max conductor cross-section	<b>1.5 mm<sup>2</sup></b>
Entry cable diameter	<b>7-13 mm</b>
Driving current	<b>700mA (from 350 to 750mA on request)</b>
Estimated device lifetime	<b>L90 B10 @ 110,000h Tq=-30 °C - +40 °C</b>
Storage temperature	<b>-40 °C - +70 °C</b>
Operating temperature	<b>-30 °C - +45 °C</b>

The photometric curves (LDT files) are available on [www.palazzolilux.com](http://www.palazzolilux.com)



LED roadway lighting systems for 42-60 mm pole-top with **ST1 roadway wide beam optics IP66**

No. of LEDs	Device power (W)	Rated flux (lm) T <sub>j</sub> = 25 °C	Photometric curves	Palazzoli code	Pack Qty
4	35	5220	24	<b>811954</b>	1
6	51	7830	24	<b>811956</b>	1
9	75	11745	24	<b>811959</b>	1
12	100	15660	24	<b>811962</b>	1
15	124	19575	24	<b>811965</b>	1

**Equipment included:** 42-60 mm pole mounting bracket.  
Power supply with quick-coupling 2P connector.

**Features:** adjustment for pole-top application from 0° to +15°.  
Wall mount arm adjustment from 0° to -20°.

**Notes:** stated values are intended as having +/- 7% tolerances.  
Dimmable version on request



LED roadway lighting systems for 42-60 mm pole-top with **ST2 roadway narrow beam optics IP66**

No. of LEDs	Device power (W)	Rated flux (lm) T <sub>j</sub> = 25 °C	Photometric curves	Palazzoli code	Pack Qty
4	35	5220	25	<b>811974</b>	1
6	51	7830	25	<b>811976</b>	1
9	75	11745	25	<b>811579</b>	1
12	100	15660	25	<b>811582</b>	1
15	124	19575	25	<b>811590</b>	1

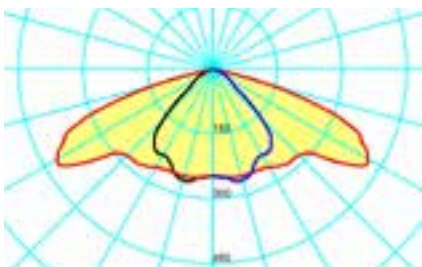
**Equipment included:** 42-60 mm pole mounting bracket.  
Power supply with quick-coupling 2P connector.

**Features:** adjustment for pole-top application from 0° to +15°.  
Wall mount arm adjustment from 0° to -20°.

**Notes:** stated values are intended as having +/- 7% tolerances.  
Dimmable version on request



# TIGUA



## High performance

State-of-the-art LEDs allow economical and technical advantages to the product.



## High flexibility

Dedicated fixing systems allow the use of TIGUA in any installation.



## Maximum luminance

The variety of optics used allows for maximum versatility of customised solutions.



TIGUA TUNNEL is the new tunnel light fixture that represents the best solution for permanent and reinforced lighting in road, railway and underground tunnels. The body is in die-cast aluminium EN 44300 with a very low copper content and anti-corrosion treatment for maximum resistance in harsh environments. All versions are available on request with dimming and/or control system.

Compliance with standards  
**Directive 2014/35/EU**  
**EN 60598-1**  
**EN 60598-2-3**  
**EN 62471**  
**EN 62493**  
**IEC/TR 62778**  
**Directive 2014/30/EU**  
**EN 55015**  
**EN 61547**  
**EN 61000-3-2**  
**EN 61000-3-3**  
**Directive 2011/65/EU**  
**EN 50581**

Body material	<b>Die-cast aluminium EN 44300</b>
Surface treatment	<b>Fuoro-zirconium treatment</b>
Diffuser material	<b>Extra clear tempered glass</b>
Protection rating (IP according to IEC/EN 60529)	<b>IP66</b>
Paint	<b>Hot-polymerised non-toxic polyester</b>
Colour	<b>RAL 7011</b>
Impact resistance (IK rating according to IEC/EN 62262)	<b>IK08</b>
Corrosion class	<b>C4 according to ISO 9223</b>
LED device efficiency	<b>115 lm/W</b>
Colour temperature	<b>4000K (5000K on request)</b>
CRI	<b>≥ 70 (CRI 75-CRI 80 on request)</b>
Insulation class	<b>II (I on request)</b>
Supply voltage	<b>200 -240 V 50-60 Hz</b>
Power cable	<b>FTG10(O)M1 L1.5m</b>
Power plug	<b>16A 2P IP66 IEC EN 60309-1; IEC EN 60309-2</b>
Input surge protection	<b>8kV common mode 10 kV differential mode EN 61000</b>
Residual flicker	<b>&lt; 1%</b>
Photobiological risk	<b>Exempt</b>
Power factor	<b>&gt; 0.98</b>
Driving current	<b>700mA (from 350 to 750mA on request)</b>
Estimated device lifetime	<b>L90 B10 @ 110,000h Tq= -30 °C to +40 °C</b>
Storage temperature	<b>-40 °C - +70 °C</b>
Operating temperature	<b>-30 °C - +45 °C</b>

The photometric curves (LDT files) are available on [www.palazzolilux.com](http://www.palazzolilux.com)



LED tunnel floodlights with **axially symmetrical** and **transversally symmetrical** optics **PS1 IP66**

No. of LEDs	Device power (W)	Rated flux (lm) Tj= 25 °C	Photometric curves	Palazzoli code	Pack Qty
4	35	5220	26	<b>811304</b>	1
8	67	10440	26	<b>811308</b>	1
12	100	15660	26	<b>811312</b>	1
8+8	134	20880	26	<b>811316</b>	1
8+12	167	26100	26	<b>811320</b>	1
12+12	200	31320	26	<b>811324</b>	1
14+14	232	36.540	26	<b>811328</b>	1
12+12+12	300	46980	26	<b>811336</b>	1
14+14+14	349	54810	26	<b>811342</b>	1

Notes: stated values are intended as having +/- 7% tolerances.  
Dimmable version on request



LED tunnel floodlights with **axially symmetrical** and **transversally symmetrical** optics **PS3 IP66**

No. of LEDs	Device power (W)	Rated flux (lm) Tj= 25 °C	Photometric curves	Palazzoli code	Pack Qty
4	35	5220	27	<b>811404</b>	1
6	51	7830	27	<b>811406</b>	1
8	67	10440	27	<b>811408</b>	1
12	100	15660	27	<b>811412</b>	1
14	116	18270	27	<b>811414</b>	1
8+8	134	20880	27	<b>811416</b>	1
8+12	167	26100	27	<b>811420</b>	1
12+12	200	31320	27	<b>811424</b>	1
14+14	232	36.540	27	<b>811428</b>	1
12+12+12	300	46980	27	<b>811436</b>	1
14+14+14	349	54810	27	<b>811442</b>	1

Notes: stated values are intended as having +/- 7% tolerances.  
Dimmable version on request



LED tunnel floodlights with **axially symmetrical** and **transversally symmetrical optics 20° PA1 IP66**

No. of LEDs	Device power (W)	Rated flux (lm) Tj= 25 °C	Photometric curves	Palazzoli code	Pack Qty
6	51	7830	28	<b>811356</b>	1
12	100	15660	28	<b>811362</b>	1
9+9	150	23490	28	<b>811368</b>	1
12+12	200	31320	28	<b>811374</b>	1
15+15	249	39150	28	<b>811380</b>	1
12+12+12	300	46980	28	<b>811386</b>	1
14+14+14	349	54810	28	<b>811392</b>	1

**Notes:** stated values are intended as having +/- 7% tolerances.  
Dimmable version on request



LED tunnel floodlights with **axially counter-beam** and **transversally symmetrical optics RS1 IP66**

No. of LEDs	Device power (W)	Rated flux (lm) Tj= 25 °C	Photometric curves	Palazzoli code	Pack Qty
9	75	11745	30	<b>811509</b>	1
12	100	15660	30	<b>811512</b>	1
15	124	19575	30	<b>811515</b>	1
9+9	150	23490	30	<b>811518</b>	1
12+12	200	31320	30	<b>811524</b>	1
15+15	249	39150	30	<b>811530</b>	1
12+12+12	300	46980	30	<b>811536</b>	1
15+15+15	373	58.725	30	<b>811545</b>	1

**Notes:** stated values are intended as having +/- 7% tolerances.  
Dimmable version on request



LED tunnel floodlights with **axially symmetrical** and **transversally symmetrical optics 25° PA3 IP66**

No. of LEDs	Device power (W)	Rated flux (lm) Tj= 25 °C	Photometric curves	Palazzoli code	Pack Qty
6	51	7830	29	<b>811456</b>	1
12	100	15660	29	<b>811462</b>	1
9+9	150	23490	29	<b>811468</b>	1
12+12	200	31320	29	<b>811474</b>	1
15+15	249	39150	29	<b>811480</b>	1
12+12+12	300	46980	29	<b>811486</b>	1
14+14+14	349	54810	29	<b>811492</b>	1

**Notes:** stated values are intended as having +/- 7% tolerances.  
Dimmable version on request



LED tunnel floodlights with **axially 50° counter-beam** and **transversally symmetrical optics RS2 IP66**

No. of LEDs	Device power (W)	Rated flux (lm) Tj= 25 °C	Photometric curves	Palazzoli code	Pack Qty
6	51	7830	31	<b>811556</b>	1
9	75	11745	31	<b>811559</b>	1
12	100	15660	31	<b>811562</b>	1
15	124	19.660	31	<b>811565</b>	1
9+9	150	23490	31	<b>811568</b>	1
12+12	200	31320	31	<b>811574</b>	1
15+15	249	39150	31	<b>811580</b>	1
12+12+12	300	46980	31	<b>811586</b>	1
15+15+15	373	58.725	31	<b>811595</b>	1

**Notes:** stated values are intended as having +/- 7% tolerances.  
Dimmable version on request





**Pair of quick fitting**  
AISI 304 stainless steel  
supports

Manufacturing material	Channel dimensions	Palazzoli code	Pack Qty
AISI 304 stainless steel	100X75	<b>811900</b>	1
	200X75	<b>811901</b>	1
	300X75	<b>811902</b>	1
	100X100	<b>811903</b>	1
	200X100	<b>811904</b>	1
	300X100	<b>811905</b>	1



**Pair of quick fitting**  
AISI 304 stainless steel  
supports for transversal  
adjustment

Manufacturing material	Channel dimensions	Palazzoli code	Pack Qty
AISI 304 stainless steel	100X75	<b>811925</b>	1
	200X75	<b>811926</b>	1
	300X75	<b>811927</b>	1
	100X100	<b>811928</b>	1
	200X100	<b>811929</b>	1
	300X100	<b>811930</b>	1



**Pair of quick fitting**  
AISI 304 stainless steel  
supports for  
axial adjustment

Manufacturing material	Axial adjustment	Channel dimensions	Palazzoli code	Pack Qty
AISI 304 stainless steel	6°	100X75	<b>811931</b>	1
		200X75	<b>811932</b>	1
		300X75	<b>811933</b>	1
		100X100	<b>811934</b>	1
		200X100	<b>811935</b>	1
		300X100	<b>811936</b>	1
	8°	100X75	<b>811937</b>	1
		200X75	<b>811938</b>	1
		300X75	<b>811939</b>	1
		100X100	<b>811940</b>	1
		200X100	<b>811941</b>	1
		300X100	<b>811942</b>	1
	10°	100X75	<b>811943</b>	1
		200X75	<b>811944</b>	1
		300X75	<b>811945</b>	1
		100X100	<b>811946</b>	1
		200X100	<b>811947</b>	1
		300X100	<b>811948</b>	1



**Pair of supports**  
in AISI 304 stainless steel  
direct screw mounting

Manufacturing material	Palazzoli code	Pack Qty
AISI 304 stainless steel	<b>811906</b>	1



**Pair of adjustable supports**  
in AISI 304 stainless steel  
direct screw mounting

Manufacturing material	Palazzoli code	Pack Qty
AISI 304 stainless steel	<b>811907</b>	1



The T54 LED range is the system of light fixtures for entrances and central parts of the tunnels. The T54 LED range has great installation flexibility thanks to the broad selection of accessories. All versions are available on request with dimming and/or control system.

Compliance with standards  
**Directive 2014/35/EU**  
**EN 60598-1**  
**EN 60598-2-3**  
**EN 62471**  
**EN 62493**  
**IEC/TR 62778**  
**Directive 2014/30/EU**  
**EN 55015**  
**EN 61547**  
**EN 61000-3-2**  
**EN 61000-3-3**  
**Directive 2011/65/EU**  
**EN 50581**

Body material	<b>Black anodised extruded aluminium alloy</b>
Support material	<b>AISI 304 stainless steel (AISI 316L on request)</b>
Diffuser material	<b>Extra clear tempered glass</b>
Protection rating (IP according to IEC/EN 60529)	<b>IP66</b>
Impact resistance (IK grade according to IEC/EN 62262)	<b>IK08</b>
Corrosion class	<b>C4 according to ISO 9223</b>
LED device efficiency	<b>115 lm/W</b>
Colour temperature	<b>4000K (5000K on request)</b>
CRI	<b>≥ 70 (CRI 75-CRI 80 on request)</b>
Insulation class	<b>II (class I on request)</b>
Supply voltage	<b>200-240V 50/60Hz</b>
Power cable	<b>FTG10(O)M1 L.1.5m</b>
Power plug	<b>16A 2P IP66 IEC EN 60309-1; IEC EN 60309-2</b>
Input surge protection	<b>8kV common mode 10kV differential mode EN 61000</b>
Residual flicker	<b>&lt; 1%</b>
Photobiological risk	<b>Exempt</b>
Power factor	<b>&gt; 0.98</b>
Driving current	<b>700mA (from 350 to 750mA on request)</b>
Estimated device lifetime	<b>L90 B10 @110,000h Tq=-30 °C - +40 °C</b>
Storage temperature	<b>-40 °C - +70 °C</b>
Operating temperature	<b>-30°C - +45°C</b>

The photometric curves (LDT files) are available on [www.palazzolilux.com](http://www.palazzolilux.com)



LED tunnel floodlights with **axially symmetrical** and **transversally symmetrical optics PS1 IP66**

No. of LEDs	Device power (W)	Rated flux (lm) Tj= 25 °C	Photometric curves	Palazzoli code	Pack Qty
4	35	5220	26	<b>154304</b>	1
8	67	10440	26	<b>154308</b>	1
12	100	15660	26	<b>154312</b>	1

Notes: stated values are intended as having +/- 7% tolerances.  
Dimmable version on request



LED tunnel floodlights with **axially symmetrical** and **transversally symmetrical optics PS3 IP66**

No. of LEDs	Device power (W)	Rated flux (lm) Tj= 25 °C	Photometric curves	Palazzoli code	Pack Qty
4	35	5220	27	<b>154704</b>	1
6	51	7830	27	<b>154706</b>	1
8	67	10440	27	<b>154708</b>	1
12	100	15660	27	<b>154712</b>	1
18	150	23490	27	<b>154718</b>	1
24	200	31320	27	<b>154724</b>	1
30	249	39150	27	<b>154730</b>	1
36	300	46980	27	<b>154736</b>	1
42	349	54810	27	<b>154742</b>	1
48	398	62640	27	<b>154748</b>	1
54	448	70.470	27	<b>154754</b>	1

Notes: stated values are intended as having +/- 7% tolerances.  
Dimmable version on request



LED tunnel floodlights with **axially symmetrical** and **20° transversally symmetrical optics PA1 IP66**

No. of LEDs	Device power (W)	Rated flux (lm) Tj= 25 °C	Photometric curves	Palazzoli code	Pack Qty
6	51	7830	28	<b>154406</b>	1
12	100	15660	28	<b>154412</b>	1
18	150	23490	28	<b>154418</b>	1
24	200	31320	28	<b>154424</b>	1
30	249	39150	28	<b>154430</b>	1
36	300	46980	28	<b>154436</b>	1
42	349	54810	28	<b>154442</b>	1
48	398	62640	28	<b>154448</b>	1
54	448	70.470	28	<b>154454</b>	1

Notes: stated values are intended as having +/- 7% tolerances.  
Dimmable version on request





LED tunnel floodlights with axially symmetrical and **25° transversally symmetrical optics PA3 IP66**

No. of LEDs	Device power (W)	Rated flux (lm) Tj= 25 °C	Photometric curves	Palazzoli code	Pack Qty
6	51	7830	29	<b>154806</b>	1
12	100	15660	29	<b>154812</b>	1
18	150	23490	29	<b>154818</b>	1

**Notes:** stated values are intended as having +/- 7% tolerances.  
Dimmable version on request



**Pair of quick fitting AISI 304 stainless steel supports for fixing of LED light fixtures**

Manufacturing material	Channel dimensions	Palazzoli code	Pack Qty
AISI 304 stainless steel	100x75	<b>151910</b>	1
	200x75	<b>151911</b>	1
	300x75	<b>151912</b>	1
	100x100	<b>151913</b>	1
	200x100	<b>151914</b>	1
	300x100	<b>151915</b>	1



LED tunnel floodlights with axially **60° counter-beam** and **transversally symmetrical optics RS1 IP66**

No. of LEDs	Device power (W)	Rated flux (lm) Tj= 25 °C	Photometric curves	Palazzoli code	Pack Qty
4	35	5220	30	<b>154604</b>	1
6	51	7830	30	<b>154606</b>	1
8	67	10440	30	<b>154608</b>	1
12	100	15660	30	<b>154612</b>	1
18	150	23490	30	<b>154618</b>	1
24	200	31320	30	<b>154624</b>	1
30	249	39150	30	<b>154630</b>	1
36	300	46980	30	<b>154636</b>	1
42	349	54810	30	<b>154642</b>	1
48	398	62640	30	<b>154648</b>	1
54	448	70.470	30	<b>154654</b>	1

**Notes:** stated values are intended as having +/- 7% tolerances.  
Dimmable version on request



**Pair of quick fitting AISI 304 stainless steel supports for fixing of LED light fixtures**

Manufacturing material	Channel dimensions	Palazzoli code	Pack Qty
AISI 304 stainless steel	100x75	<b>151920</b>	1
	200x75	<b>151921</b>	1
	300x75	<b>151922</b>	1
	100x100	<b>151923</b>	1
	200x100	<b>151924</b>	1
	300x100	<b>151925</b>	1



The background of the entire page is a vibrant blue space-themed image. It features a view of the Earth from space, with the sun rising over the horizon, creating a bright lens flare effect. The Earth's surface is visible, showing continents and city lights at night. Overlaid on this image is a network of glowing blue lines connecting various points, resembling a global communication or data network. The Palazzoli logo is positioned in the upper left quadrant.

# **Palazzoli**

— excellence —  
**FROM ITALY**

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55642E - 2019/2020 EDITION