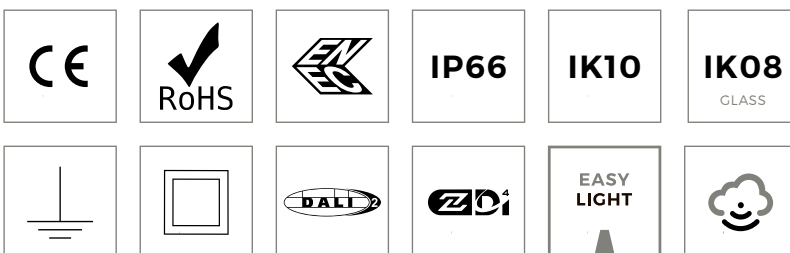


# PRUNUS V



PRUNUS V is an attractive openwork design luminaire. The optional LED ring and high quality are features unique to this design luminaire. The PRUNUS V has 3 different light covers to choose from, each with its own unique appeal.

The PRUNUS range is also modular in construction, allowing you to create a recognisable and stylish cohesion for an entire residential area.





**BENEFITS**

- ▶ Attractive openwork design luminaire
- ▶ RGB LED ring (can shine in eight different colours)
- ▶ Three different light covers:
  - V1 - Flat light cover: Clear polycarbonate
  - V2 - Lens-shaped light cover: Structured convex glass cover
  - V3 - Lens-shaped light cover: Clear convex glass cover
- ▶ Smart lighting via Zhaga-D4i or SmartScan

**SMART LIGHTING**

**Zhaga-D4i** light management system



**SmartScan** for independent application and short poles

**OPTION: RGB LED-RING**

RGB LED ring upper cover silicon (semi-transparent)  
 RGB LED ring in pole top collar, acrylic (semi-transparent)

- |                  |                |
|------------------|----------------|
| ○ Lavender White | ● Eco Green    |
| ● Sun Yellow     | ● Ocean Blue   |
| ● Scarlet Red    | ● Evening Red  |
| ● Sky Blue       | ● Royal Orange |

Colours can deviate in reality.



Want to speak to a specialist?  
**Click on / scan** the QR-code!

GENERAL INFORMATION		
<b>Recommended installation</b>	What is the recommended installation height?	<b>4 to 8 meters</b>
<b>Pole diameter</b>	What is the pole diameter?	<b>60 - 76 mm</b>
<b>Light management system</b>	Which light management system is the luminaire suitable for?	<b>Zhaga-D4i light management system SmartScan</b>
<b>CE Marking</b>	Does the product comply with the legal requirements for safety, health and the environment (CE marking)?	<b>Yes</b>
<b>ENEC certified</b>	Does the product comply with European safety standards ENEC?	<b>Yes</b>
<b>Zhaga-D4i</b>	Is the luminaire Zhaga-D4i certified?	<b>Yes</b>
<b>RoHS certified</b>	Does the product comply with the requirements as stated in the RoHS guidelines? RoHS stands for Restriction of Hazardous Substances	<b>Yes</b>
HOUSING AND FINISH		
<b>Housing material</b>	From what material is the luminaire's housing made?	<b>Aluminium</b>
<b>Light cover</b>	From what material is the light cover made?	<b>Toughened safety glass (structured and clear) Polycarbonate (clear)</b>
<b>Colours</b>	In which RAL colours is the product available?	<b>RAL 7016 (Anthracite Grey)</b>
<b>Dust and humidity tightness</b>	Classification of resistance to dust and humidity?	<b>IP66</b>
<b>Impact-resistant</b>	What is the impact resistance of the luminaire?	<b>Housing: IK10 Glass: IK08 Optics: IK10</b>
<b>Connection cable</b>	Which cable is supplied as standard?	<b>H05 BQF 3 x 1 mm<sup>2</sup></b>
<b>Cable access</b>	Where is the cable access located?	<b>Via pole top collar</b>
OPERATING CONDITIONS		
<b>Operating temperature range</b>	What is the operating temperature range?	<b>- 40 °C to + 35 °C Protected from high temperatures</b>
<b>Luminous flux tolerance</b>	What is the LED module's luminous flux tolerance?	<b>+/- 5%</b>
<b>Power tolerance</b>	What is the tolerance for the system power?	<b>+/- 10%</b>
<b>Luminaire lifespan</b>	What is the specified number of burning hours?	<b>100,000 hours at 25 °C 25 years at 4,000 burning hours per year</b>

**OPERATING CONDITIONS - continued**

<b>Light intensity retention LED module</b>	After the number of burning hours, L(x) indicates the percentage of light retention and B(x) the percentage number of LEDs that have deteriorated by more than the specified percentage.	<b>L96/B10</b>
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**ELECTRICAL INFORMATION**

<b>Insulation class</b>	With which electrical safety class does the luminaire comply?	<b>I</b> <b>II</b>
<b>Rated voltage</b>	What is the rated voltage?	<b>230-240V AC</b>
<b>Inrush current</b>	How many luminaires can be run on an MCB 16A B-type fuse?	<b>Non dimming</b> <b>32 max.</b> <b>DALI dimming</b> <b>30 max.</b> <b>D4i</b> <b>30 max.</b>
<b>Surge</b>	To what level is the luminaire protected from surge as standard?	<b>10kV</b>
<b>Active surge protection</b>	What is the optional protection from surge?	<b>15kV/7,5kA (Phase-Zero)</b> <b>10kV/5kA (F/N-Aarde)</b>
<b>Optional Sensor</b>	Is there an optional (presence) sensor?	<b>Via Zhaga book-18</b> <b>SmartScan</b>
<b>Control protocols</b>	With which control protocols is the luminaire compatible?	<b>Zhaga-D4i (expansion of DALI-2)</b>

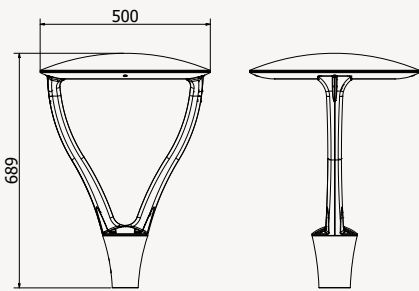
**OPTICAL INFORMATION**

<b>Lumen range (LED board)</b>	Various LED boards and with lumen range? Lumen for area dependent on optics. (Power and lumen per colour/CRI in annex)	<b>1,050 / 3,000 Lumen</b> <b>(LED2WELL Core 2x8)</b> <b>800 / 4,200 Lumen</b> <b>(LED2WELL Pro 2x16)</b>
<b>LED colour temperature</b>	With which colour temperatures is the luminaire available?	<b>3,000K (warm white)</b> <b>4,000K (cool white)</b>
<b>Colour rendering index (CRI)</b>	To what extent does the light source faithfully re-produce the colours of illuminated objects (scale of 0-100)?	<b>70</b>
<b>Upper Light Output Ratio (ULOR)</b>	Which percentage of the light distribution from the luminaire shines upwards (above the horizontal line of the luminaire)?	<b>Depending on the selected light bundle &lt;5%</b>
<b>LED module</b>	With which light technology is the luminaire available?	<b>LED2WELL Core</b> <b>LED2WELL Pro</b>
<b>Optics</b>	Which light bundles are possible? (Polar diagram in annex)	<b>LED2WELL Core</b> <b>CODE 6    CODE 14</b> <b>CODE 7    CODE 15</b> <b>CODE 10</b> <b>LED2WELL (Pro)</b> <b>PA01      PA04</b> <b>PA03      PR01</b>

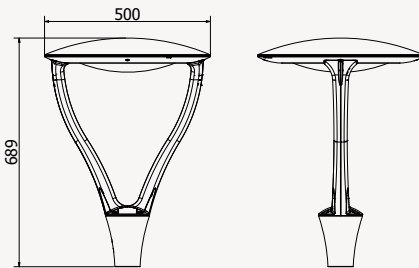
**DIMENSIONS IN MM**



**PRUNUS V1**



**PRUNUS V2 / PRUNUS V3**



**DIMENSIONS AND MOUNTING**

Height x Diameter	689 x 500 mm
Weight in kg (basic model)	+/- 6 kg (depending on the model)
Wind-exposed surface	Wind-exposed surface front: 0.08-0.09 m <sup>2</sup> (V1 / V2 / V3) Wind-exposed surface side: 0.07 m <sup>2</sup> (V1 / V2 / V3)



Flat light cover (V1): clear polycarbonate



Lens-shaped light cover (V2): structured convex glass cover



Lens-shaped light cover (V3): clear convex glass cover



In addition to using LED, even more energy can be saved, or light pollution avoided employing PRUNUS luminaires supplied with a factory-set dimming schedule (1A, 2A, 3A, 4A or 5A). The PRUNUS luminaire will, once the night rhythm has been established, autonomously dim when appropriate and return to 100% in the morning.



**CONSTANT LIGHT OUTPUT (CLO)**

All PRUNUS luminaires support the CLO facility, in other words the typical light degradation of about 10% over the lifespan can be compensated through gradually increasing the power over the lifespan to ensure the light intensity remains at L100.

**SYSTEMS**



PRUNUS luminaires are Zhaga-D4i certified. This certificate guarantees that any Zhaga-D4i Light Management System recognises these luminaires with their characteristics and can incorporate them in the system. PRUNUS luminaires can be supplied with one or two Zhaga- book 18 connectors so that, apart from a node, a sensor can be connected. Making the PRUNUS luminaires suitable for the latest developments in the field of smart lighting and connectivity.



Employing SmartScan sensors, movement and lighting levels can be detected and can be harmonised via mutual communication and smart software luminaires to ensure optimum lighting levels. SmartScan can typically be employed for short pole distances (bicycle paths, car parking sites) or where the exterior lighting is combined with interior lighting. Additionally, the SmartScan monitor feature can ensure that the maintenance costs are kept in check.

**LED<sup>2</sup>WELL CORE** Our **energy-saving lighting solutions**

Aantal LEDs	Lumen	CRI 70			
		OPTIE <b>AMBER</b> Systeem- vermogen (W)	OPTIE <b>2700K</b> Systeem- vermogen (W)	STANDAARD <b>3000K</b> Systeem- vermogen (W)	STANDAARD <b>4000K</b> Systeem- vermogen (W)
<b>16</b>	800	8.9	-	-	-
	1050	-	8.4	7.9	7.4
	1200	12.4	9.6	8.6	8.2
	1350	-	10.5	9.6	9.1
	1500	-	11.5	10.5	9.8
	1600	16.3	12.2	11.2	10.5
	1800	-	13.6	12.4	11.7
	2000	-	15.3	13.6	12.6
	2150	-	16.2	14.5	13.6
	2300	-	17.4	15.7	14.5
	2500	-	18.9	16.9	15.7
	2750	-	21.0	18.9	17.4
	3000	-	23.0	20.6	18.9
	3240	-	25.1	22.3	20.6
	3500	-	27.3	24.3	22.3
	3780	-	29.9	26.6	24.3
4000	-	33.26	28.1	25.8	
4200	-	33.8	29.9	27.3	

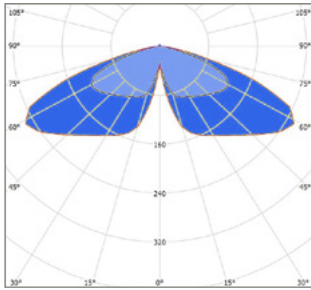
LED<sup>2</sup>WELL PRO Our energy-saving solutions for **ultimate lighting comfort**

Number of LEDs	Lumen	CRI 70 (Option: CRI 80)			
		OPTION AMBER System capacity (W)	OPTION 2700K System capacity (W)	STANDARD 3000K System capacity (W)	STANDARD 4000K System capacity (W)
32	800	-	-	5,8	5,5
	1050	-	-	7,3	7
	1200	-	-	8,0	7,7
	1350	-	-	8,9	8,6
	1500	-	-	9,8	9,3
	1600	-	-	10,4	10
	1800	-	-	11,3	10,9
	2000	-	-	12,4	12
	2150	-	-	13,1	12,7
	2300	-	-	13,8	13,6
	2500	-	-	15,4	14,7
	2750	-	-	16,7	16,1
	3000	-	-	17,9	17,5
	3240	-	-	19,3	18,8
	3500	-	-	21,0	20,2
	3780	-	-	22,2	21,7
4000	-	-	24,5	23,0	
4200	-	-	25,9	25,0	

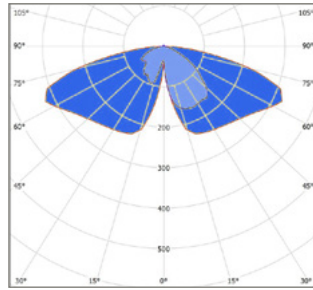


**LED<sup>2</sup>WELL CORE**

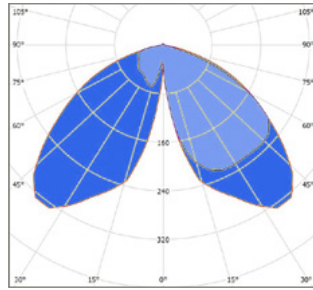
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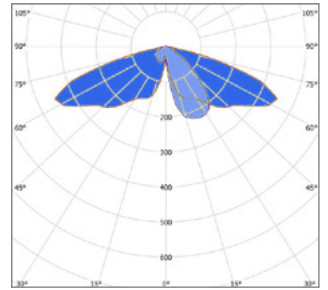
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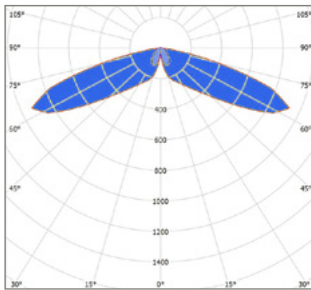
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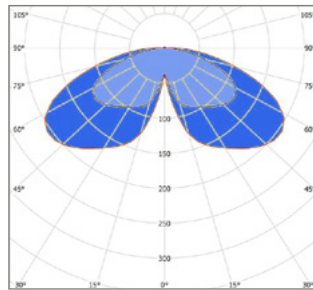
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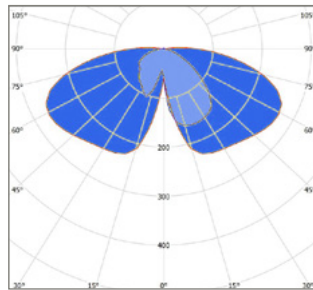
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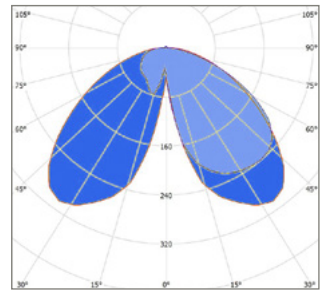
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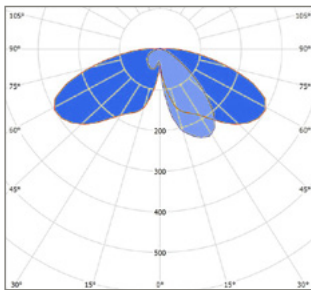
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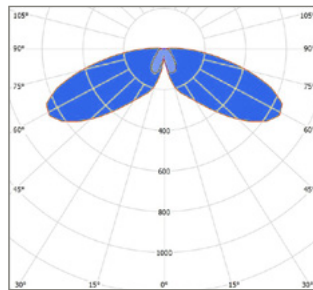
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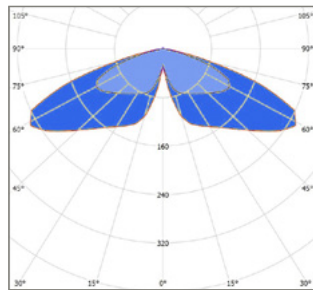
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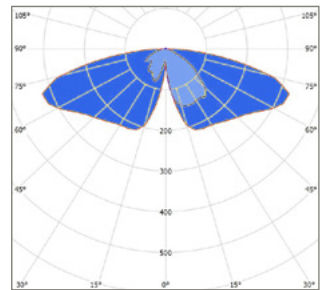
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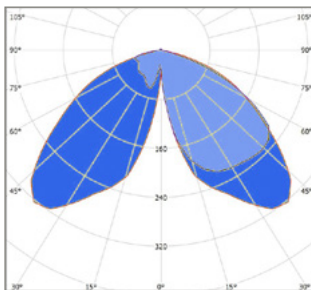
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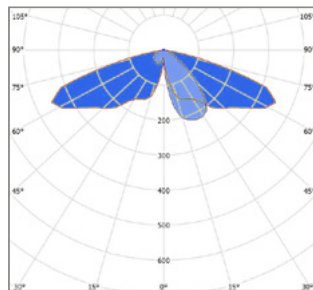
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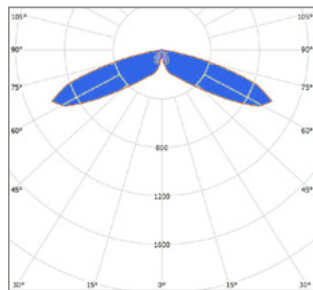
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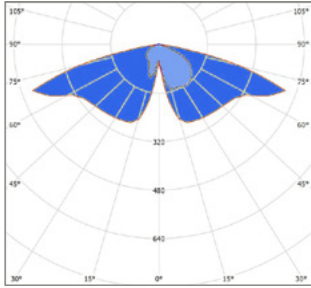


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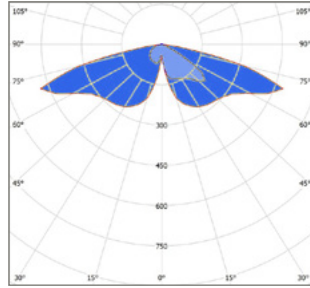


LED<sup>2</sup>WELL PRO

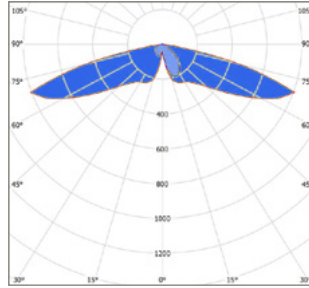
PRUNUS V1 | PA01



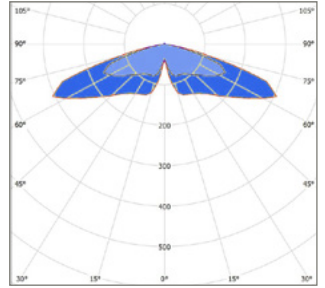
PRUNUS V1 | PA03



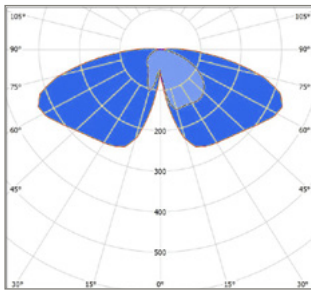
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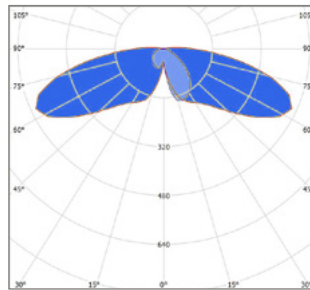
PRUNUS V1 | PR01



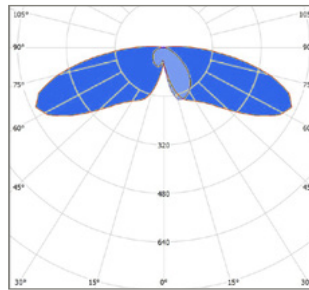
PRUNUS V2 | PA01



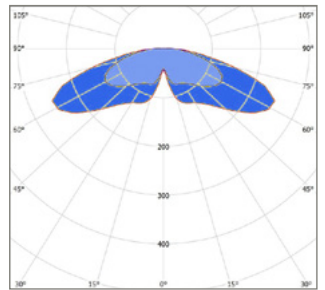
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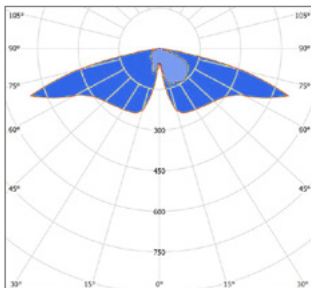
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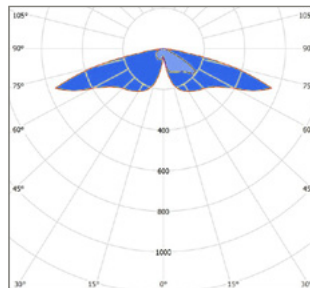
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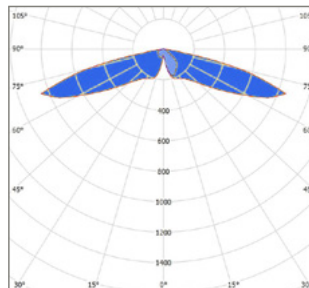
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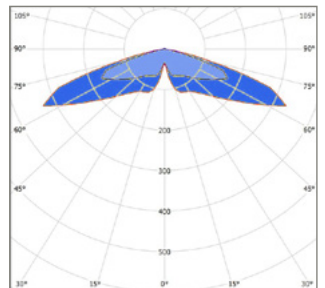
PRUNUS V3 | PA03



PRUNUS V3 | PA04



PRUNUS V3 | PR01



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