

PHILEO PRO

Technical Data Sheet



PRODUCT FEATURES

Voltage	220 ÷ 240 V ac
Frequency	50/60 Hz
Electrical safety class	I - II
Control options	P=Standard Night Cycle F=Fixed D=DALI 2 (Optional) 1=1-10V (Optional) Z=ZHAGA/D4i 24V (Optional) T=TLC PLC (Optional) R=TLC Radio (Optional)
Night – time dimming	Profile settable up to 4 levels
Service environment temperature	-30° ÷ +50°
Storage room temperature	-40° ÷ +80°
Certifications	ENEC, CE, RoHS, EN60598-1, EN60598-2-3
Surge protection	10 kV com - 10 kV diff

MECHANICAL FEATURES

Body	Die-cast aluminium with low copper content (<1%)
Total weight	6 Kg
Exposed wind area	0,02 m ² - 0,04 m ² - 0,13 m ²
Ingress protection	IP66
Shock protection	IK09
Painting	Polyester powder paint thickness: 80 µm resistant to 1000 hours in salt spray (2500 on request)
Gasket	Silicone based gasket
Color	Anthracite gray RAL 7016 (RAL 9006 and RAL 7035 on request)
Diffuser	4 mm extra clear tempered glass (Inspectable 5 mm)
External screws	A2 stainless steel
External cable diameter	Max 12 mm
Mounting	Lateral or pole head diameter 60 mm; 42/76 mm (optional)
Inclination	Pole head -15° ÷ +25°; outreach -15° ÷ +5°

ELECTRICAL FEATURES

Power factor (full-load)	> 0,90
Lifetime	> 100.000 hours
Power supply failure rate for 50,000 hours	< 10%
Supply connection	H07RN-F (Class II: 2x1.5) (Class I: 3x1.5)

LED MODULE FEATURE

Color temperature	4000 K (2200/2700/3000 K optional)
Color rendering index	> 70 (80 optional)
LEDs' chromatic positioning	McAdam's step ≤ 5
Lifetime L80B10	> 150.000 hours (25°C T amb)
Lifetime L90B10	> 110.000 hours (25°C T amb)
Optical system	Reflective optics in pure multilayer aluminium with silver coating. 98% reflectivity index

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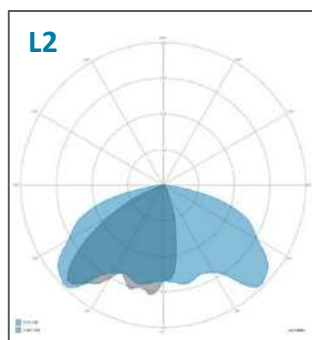
Flux and power data are corresponding to typical values referring to ambient temperature (Ta) equal to 25° C or 77° F with tolerance ± 7%
In order to facilitate continuous updating of products Arianna spa reserves the right to make changes without notice

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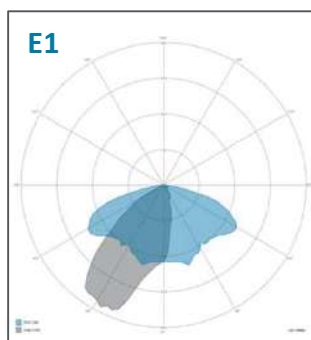
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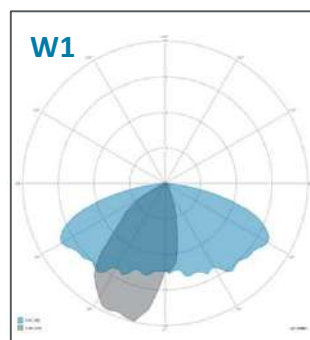
AVAILABLE OPTICS



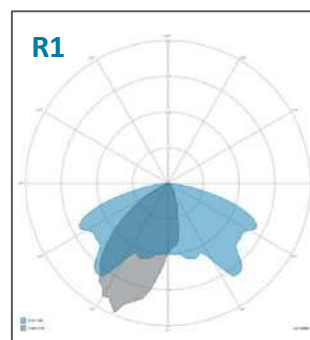
Luminous intensity classes G2



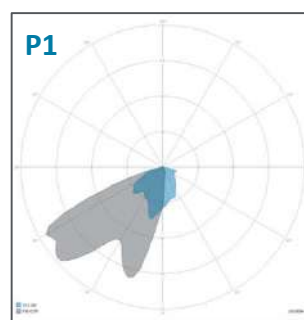
Luminous intensity classes G2



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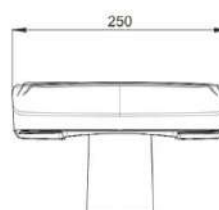
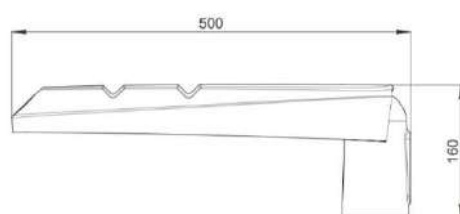


Luminous intensity classes G4



Optic for pedestrian crossing

DIMENSIONS



Unit of measurement: mm

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TECHNICAL DATA

** L1, E1, W1, R1

CODE	FLUX (lm) @4000k	POWER (W)	EFFICIENCY (lm/W)	IPEA
PHP00A0PI00**A12P	2045	14	146	A9+
PHP00B0PI00**A12P	3045	21	145	A8+
PHP00B3PI00**A12P	4010	28	143	A8+
PHP00B6PI00**A12P	5020	37	136	A7+
PHP00C0PI00**A18P	6050	41	147	A9+
PHP00C5PI00**A18P	7155	51	140	A8+
PHP00D0PI00**A18P	8125	58	140	A8+
PHP00E0PI00**A24P	10040	73	141	A7+
PHP00F0PI00**A30P	12050	83	145	A8+
PHP00G0PI00**A30P	13540	96	141	A5+
PHP00G1PI00**A36P	14760	102	145	A6+
PHP00G4PI00**A36P	16700	109	153	A7+
PHP00H0PI00**A36P	18850	126	150	A5+
PHP00I0PI00**A36P	20520	140	147	A5+
PHP00J0PI00**A36P	22590	157	144	A4+
PHP00K0PI00**A36P	24030	170	141	A4+

Flux data refers to devices with CRI 70 and 4000 K (740).

To get different combinations of CRI and CCT multiply the luminous flux by the following conversion factors K:

- 730 = 0,95
- 840 = 0,91
- 830 = 0,85
- 727 = 0,93
- 722 - 827 = 0,85
- 822 = 0,71

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Rev 1 05.24

PHILEO PRO

Code structure

POSITIONS 1,2,3	FAMILY PREFIX	PHP	Phileo PRO
POSITIONS 4,5,6,7	FLUX	00A0	2000 lm
		00B0	3000 lm
		00B3	4000 lm
		00B6	5000 lm
		00C0	6000 lm
		00C5	7000 lm
		00D0	8000 lm
		00E0	10000 lm
		00F0	12000 lm
		00G0	13000 lm
		00G1	14500 lm
		00G4	16500 lm
		00H0	18500 lm
		00I0	20500 lm
		00J0	22500 lm
		00K0	24000 lm
POSITION 8	POWER SUPPLY PROGRAM	P	Standard Night Cycle
		F	Fixed
		N	Nema 7 pin
		D	DALI
		1	1 – 10 V
		Z	Zhaga/D4i 24V
		T	TLC Power line Communication
POSITION 9	CCT + CRI	R	TLC radio wave
		M	2200K – CRI 70
		N	2200K – CRI 80
		P	2700K – CRI 70
		Q	2700K – CRI 80
		H	3000K – CRI 70
		W	3000K – CRI 80
		I	4000K – CRI 70
POSITION 10	MODEL	L	4000K – CRI 80
		O	Standard
		S	Inspectable
POSITIONS 11,12,13	OPTICS	OE1	Optic E1
		OL2	Optic L2
		OR1	Optic R1
		OW1	Optic W1
POSITION 14	COLOR	A	Anthracite RAL 7016
POSITIONS 15,16	NB. OF LED (12,18,24,36)	12	12 ÷ 36 LED
POSITION 17	FIXING MODE/APPLICATION	P	Class II
		Y	Class I

EXAMPLE: PHILEO PRO pole version 18 LED, anthracite, 6000 lm – 3000K CRI 80, optic W1 and Zhaga

COD	P	H	P	O	O	C	O	Z	W	O	O	W	1	A	1	8	P
POS.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

The resulting code is: **PHP00C0ZW00W1A18P**

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