



AcuityBrands.
Expanding the boundaries of lighting™



LIGHT THE WORLD WITH
 PechinaMini



AcuityBrands.
Expanding the boundaries of lighting™

C. & G. CARANDINI, S.A.

Carrerada – Verneda
E-08107 Martorelles
Barcelona (Spain)

Tel.: +34 933 174 008
Fax: +34 933 171 890
carandini@carandini.com

To obtain more information, download technical specifications and instruction sheets, etc., visit our website

www.carandini.com

C. & G. Carandini, S.A. reserves the right to modify its products without prior notice.

C. & G. CARANDINI, S.A. 2012 ©
FL - 0312-191
D.L. B. 3781-12


EPK elektro s.r.o. - osvětlovač tech. Rozdrojovice 247, 664 34. Rozdrojovice. Tel.: 546 221 912, 603 666 374



When nature becomes light

Amenity luminaire with a design inspired by forms founded in nature. It can be installed in environments where architectural style is particularly important and which require a lighting point that meets the highest energy efficiency standards and features cutting-edge technology.

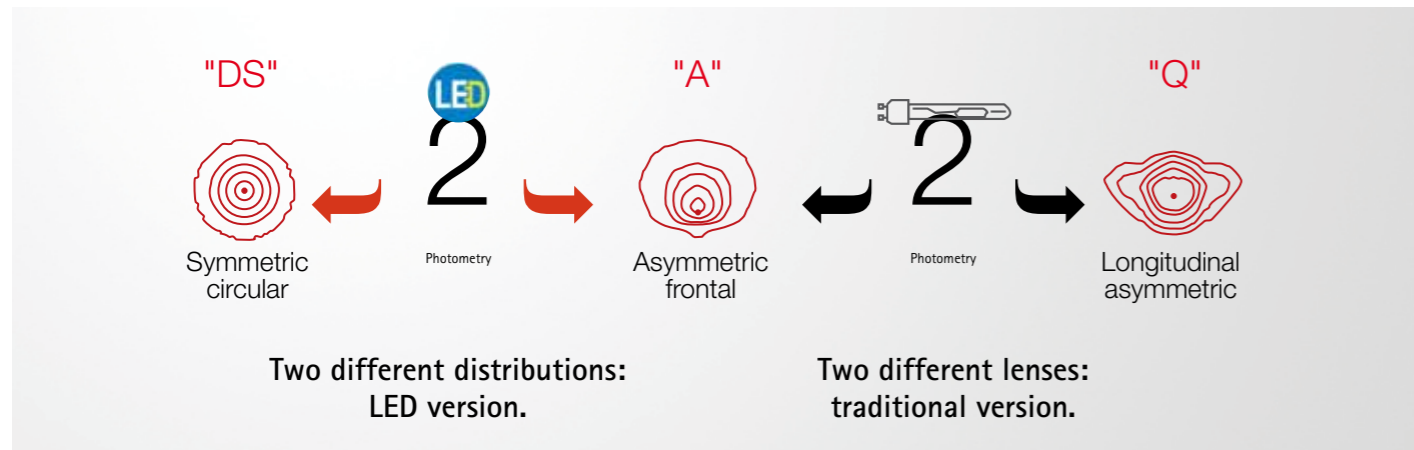
Benefits

- Integration in the urban landscape either on its own or with the existing PCN-250, creating an impressive series.
-  Total control of glare and of the light direction through use of the "Glare Control" system in the LED version.
- Maximum spacing between low-height lighting points.
- A single part allows for vertical and side entry.
- Two different photometric distributions.
- Access to the electrical control gear and lamp-module in two steps and without tools.
- Control gear and drivers mounted on removable support.
- Protected against temporary surges produced by electrical storms (LED version).
- Option of incorporating telemanagement systems with LonWorks® protocol.
- Maximum efficiency in electronic control gear.
- Compatible with most regulator switches available on the market.



Precise photometry

Light where required.



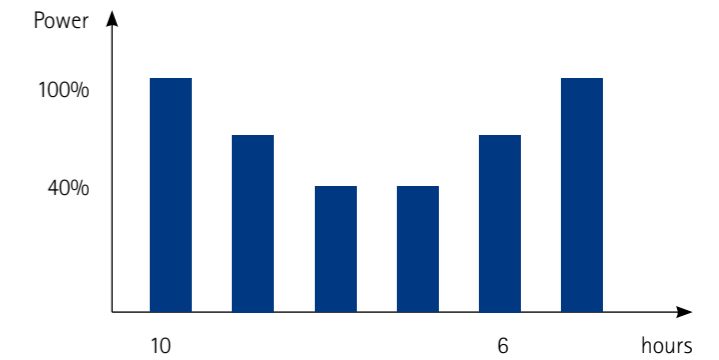
Anti-lightning protection of LED version

Protects against temporary surges.
Protects LED module life.



Regulation

DALI compatible.



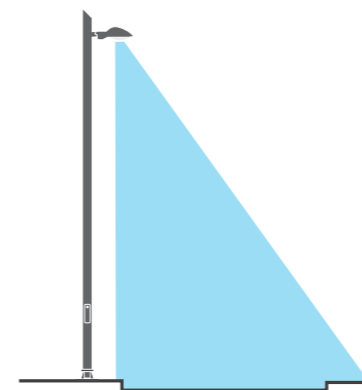
Integration

Integration in the urban landscape either on its own or with the existing PCN-250, creating an impressive series.



Control of glare and light direction

Total control using the LED version of the "Glare Control" system.



Increase in savings

Designed for electronic control gear.








LED version characteristics



LED 4000 lm 4000 K



LED 3000 lm 4000 K

Type:	High output.
Number of LEDs:	28 - 40
Nominal Φ:	130 lm/LED
Colour temperature:	4,000 K 
Operating current:	350 mA 
Anti-surge protector for temporary surges:	Maximum discharge current 15 kA. Nominal discharge current 5 kA. LED to indicate end-of-life.
 Eprotect	
Lifetime L70 at 25°C	72,000 hours
Lifetime L70 at 40°C	64,000 hours
Photometric distributions:	"A" forward throw, asymmetric. "DS" symmetric.
Optical system:	L034 specific symmetric and asymmetric lenses L044 "Glare Control" reflector-refractor unit
ULOR:	L034 "A" distribution 0.035%; "DS" distribution 0.017% L044 "A" distribution 0.016%; "DS" distribution 0.012%.
Compliance with standards:	
LED module	EN 62031:2009
Driver	EN 62384:2007 and EN 61347-2-B:2007
Optical security	EN 62471:2009 and IEC/TR 6247-2:2009
Optional (depending on model):	
Bi-level dimming	Driver with 50% lumen output reduction and control line.
Astronomic bi-level dimming	Driver with 50% lumen output reduction and control line.
Adjustable DALI driver	Adjustable driver, DALI compatible, telemanageable.
Telemangement System	Possibility of integrating power line luminaire control and management systems.
Other operating currents:	410 mA - 530 mA
Warranty:	We guarantee the product for 8 years (see sales conditions).

Model	Ra	Power factor cos φ	Useable light ⁽¹⁾ lm	Power ⁽²⁾ W	Performance ⁽³⁾ lm/W	L70 ⁽⁴⁾ at 25°C hours	L70 ⁽⁴⁾ at 40°C hours
A.L034	75	0.92	2,430	34.5	70	72,000	64,000
DS.L034	75	0.92	2,660	34.5	77	72,000	64,000
A.L044	65	0.95	3,700	45	82	70,000	63,000
DS.L044	65	0.95	4,190	45	93	70,000	63,000

⁽¹⁾Total lumen output of the luminaire at 25°C

⁽²⁾Power consumed by the LED + driver unit

⁽³⁾Includes losses in the luminaire and in the driver at 25°C

⁽⁴⁾Estimated lifetime in hours with 70% of initial lumen output and with the indicated ambient temperature



COLOUR
TEMPERATURE
4,000



CURRENT
350










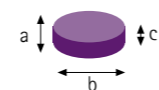
Discharge characteristics

Photometric distributions: "Q" longitudinal asymmetric.
 "A" forward throw, asymmetric.

Reflector: 99.95% pure aluminium, anodised and sealed.

General characteristics

- Body:** EN-AC 44100 pressure die-cast aluminium, silicone gasket housed in perimeter groove.
- Top canopy:** EN-AC 44100 pressure die-cast aluminium.
Access to lamp and control gear from top.
- Enclosure:** "GC" 4-mm-thick toughened lens-shaped glass.
"CC" 4-mm-thick flat toughened glass.
- Access to LED module-lamp and control gear-driver:** Tool-free, direct access to LED module-lamp and to control gear-driver in just one step by opening with the stainless steel central lever.
- Mounting:** Single hinged piece for lateral (L) and vertical (V) mounting.
"L" type is coupled to Ø48mmx150mm terminal.
"V" type is coupled to Ø60mmx110mm terminal.
- Thermal control:** High thermal-transmittance metal plate in control gears-drivers and oversized radiator for the LED plate.
- Finishes:** Light silver-grey. See options for other colours.
- Electrical class:** Class II and Class I
- Wind exposure area:** 0.075 m².

 GENERAL IP66	 "GC" IK10 "CC" IK09	 "A" reflector ULOR 0.035% with LED L034	 "DS" reflector ULOR 0.017% with LED L034	 6 kg Without control gear / LED module			 a 532 b 586 c 200
----------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------




Pechina Mini series configuration



PCM


CODE	OPTICS
Q	Longitudinal asymmetric (street) (1)
A	Forward throw, asymmetric
DS	Symmetric (2)

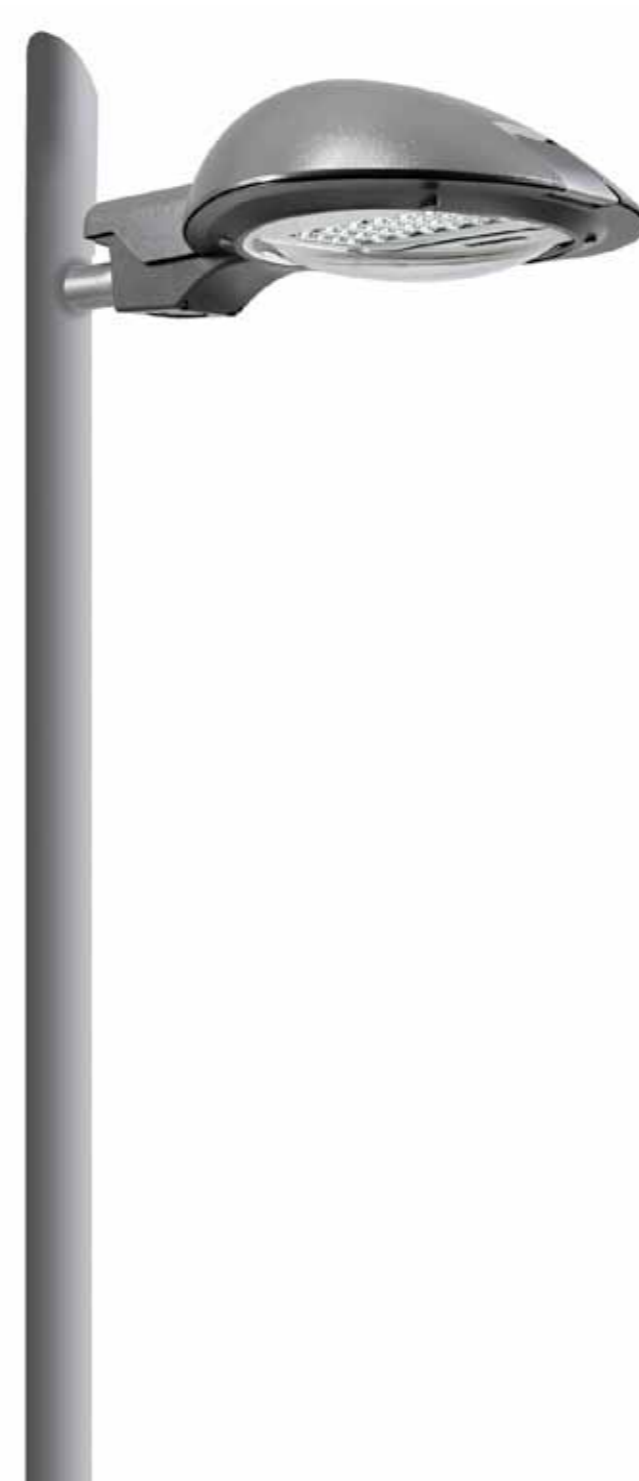
CODE	ENCLOSURE
GC	Lens-shaped tempered glass
CC	Flat tempered glass

CODE	LIGHT SOURCE	
35H12TC	MH 35W T Clear G12	
70H12TC	MH 70W T Clear G12	
45CW	Cosmowhite 45 Clear PGZ12	
60CW	Cosmowhite 60 Clear PGZ12	
90CW	Cosmowhite 90 Clear PGZ12	
50S27TC	HPS 50W T Clear E27	
70S27TC	HPS 70W T Clear E27	
70H27TC	MH 70W T Clear E27	
L034	LED 3000 lm 4000°K	
L044	LED 4000 lm 4000°K	

CODE	CONTROL GEAR
1NE	One electronic level
LED 350	LED version at 350 mA
XXX	Please enquire about other types of electronic control gear.

CODE	COLOUR
907E	RAL 9007 grey aluminium
715T	RAL 7015
XXX	Please enquire about other colours.

(1) - Incompatible with LED
 (2) - Only compatible with LED
 Supplied with lamp



PS-P column

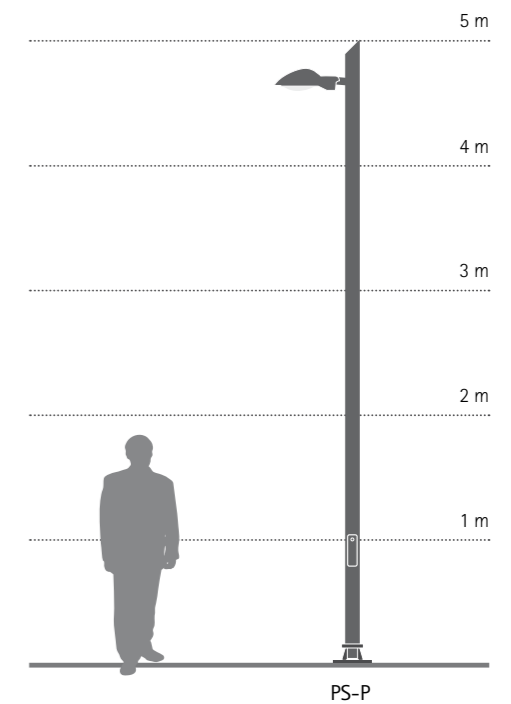
- Post:** Ø 114.3 mm- and 3.65 mm-thick galvanised steel tube.
- Mounting:** Ø 48x150 mm side mount.
- Finishes:** RAL 9007 grey aluminium paint
RAL 7015 textured paint
Please enquire about other colours.

Column

- PS-P 907E Side mounting at a height of 5 m with Ø48x150-mm coupling in RAL 9007 grey aluminium.
- PS-P 715T Side mounting at a height of 5 m with Ø48x150-mm coupling in RAL 7015 textured paint.

Accessories

- PNOP. Set of 4 M16x400-mm anchor bolts, with nuts and washers.
- PTAP. 210x210 template (M16).





Warranty 8 years*

Pechina Mini complies with the strictest performance standards.

- 45/60/90W cosmopolis units.
- Xtreme electronic units by Philips for voltages of 50/70W.
- LED driver for 3000 lm and 4000 lm.
- Mechanical parts.
- LED, guarantee of 60% of the initially installed light flow (5-year warranty).

*Excludes HID lamps
Approximate operation of 4,380 hours/year
Following the manufacturer's maintenance plan



Applications

Pedestrian streets, residential areas, parks, gardens, avenues and any space in which a combination of design, functionality and efficiency is required.

