TECHNICAL DATASHEET

LRA-1091

PHI

ENVIRONMENT

- Pedestrian areas
- Parks
- Residential areas
- Roads and higways
- Large avenues

REGULATION

- Lantern: EN 60598-1:2015+AC:2015+AC:2016 EN 60598-2-3:2003+AC:2005+A1:2011
- LED module: EN 62031:2008+A1:2013+A2:2015
- Optical safety: EN 62471:2008
- EMC: EN 55015:2013 EN 61000-3-2:2014; EN 61000-3-3:2013 EN 61547:2009
- Driver: EN 61347-2-13:2014/A1:2017 EN 62384:2006/A1:2009
- Electromagnetic safety: EN62493:2010
- IK: EN 62262:2002 EN 50102:1995+AC:2002+A1:1998+AC:2002

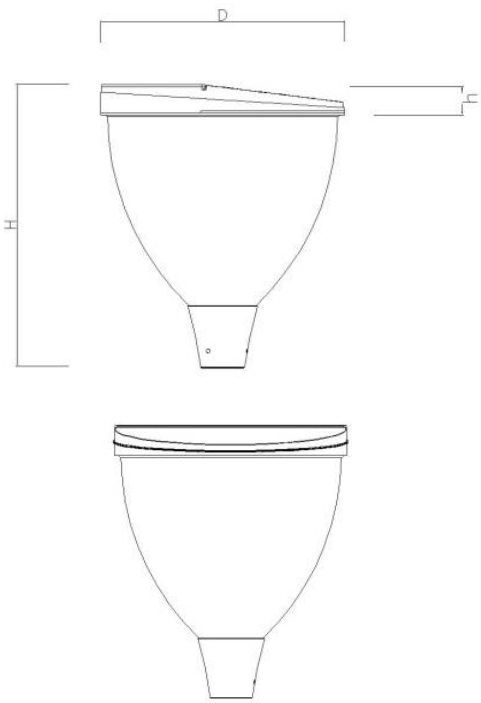
MECHANICAL FEATURES

- IP-66.
- IK-10.
- Working ambient temperature -30ºC to +50ºC.

DESCRIPTION

- Decorative lantern for low heights, ideal to substitute spherical luminaires, made in injected aluminium with low copper content.
- Optical groups sealed with a flat transparent methacrylate closing.
- Diffuser made of high impact resistance methacrylate.
- Vertical clamping (Ø60mm).
- Access to driver compartment with basic tooling.
- Option to transform BULB LRA-1091 into FLAT LRA-1075, SUSPENDED FLAT LRA-1073 or PHI LRA-1085 by adjusting support elements.
- Finished with polyester powder coating RAL 9007. Other colours on demand.

DIMENSIONS



D: 525mm
H: 690mm
h: 70mm

ELECTRICAL FEATURES

From 10W to 100W LED by adjusting the output current through driver programming.

Class I.

Average life: L80 B10>100,000h.

Constant current driver, programmable to fit the most suitable working parameters according to project requirements.

DALI / 1-10V / Time Dimmer / Mains reduction.

LED

- Up to 32 LED (programmable power from 10 to 100W LED) mounted on a PCB with an electronic circuit .
- Electronic design for a short-circuiting condition between anode and cathode in case of LED failure, ensuring the performance of the remaining LEDs.
- PCB board fixed internally on the lower side of the aluminium body.
- The quality, surface and thickness of the aluminium body acts as the perfect heat sinker and allows the luminaire body to optimally dissipate heat.
- Optical lenses with high transmittance, made of PMMA, giving the desired light distribution.
- Lower diffuser made of flat transparent Methacrylate, sealing the optical group.

- LED module temperature control, adjustable to desired limit values.
- Constant luminous flux along LED lifetime.
- Adjustable start-up time.
- Power reduction and programmed time dimmer up to 5 different levels.
- Adjustable power by selection of output current.
- Optionally, remote management system by incorporating an antenna or a power line control device.

Reference	# LEDs	Power (W LED)
LRA-1091-L008s	8	10-25
LRA-1091-L016s	16	26-50
LRA-1091-L024s	24	51-75
LRA-1091-L032s	32	75-100

PHOTOMETRIC FEATURES

Tª 2,200ºK; 2,700ºK; 3,000ºK; 4,000ºK.

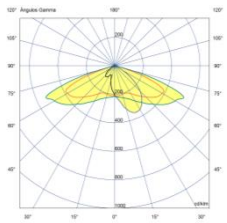
CRI 70. 80 on demand.

FHS <0.1%.

Up to 140lm/w according to selected optics and power.

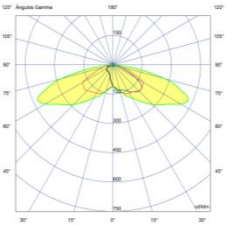
More than 5 photometric distributions available depending on the relation between flux emitted forward and backwards, throw and spread, for and optimal fit to project requirements.

B2



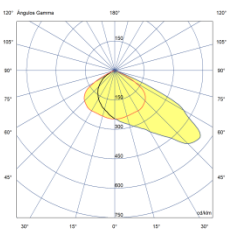
60º Longitudinal opening
25º Cross-sectional opening

B3



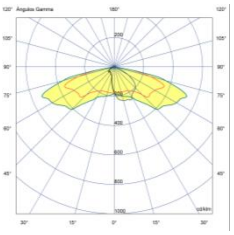
60º Longitudinal opening
50º Cross-sectional opening

B5



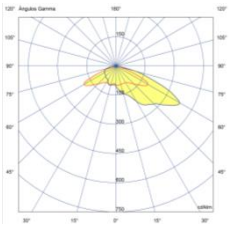
30º Longitudinal opening
50º Cross-sectional opening

B6



70º Longitudinal opening
25º Cross-sectional opening

B11



60º Longitudinal opening
60º Cross-sectional opening

Last updated on: March 2020.

*ROS Lighting Technologies reserves the right to update the information contained herein without prior notice.

CONTACT US FOR MORE INFORMATION

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