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PRODUCT DATA SHEET
Barrio Led
Code : 1614482N

PRODUCT FAMILY
- Urban architectural LED luminaire, suitable for uplight installation on poles Ø60mm on top (IP65)

MATERIAL CHARACTERISTICS
- Hexagonally shaped base made of die-cast aluminium (ADC12) anodized and painted
- Diffuser in thick (3,5mm) transparent PMMA (acrylic), hexagonally shaped at base (connection to aluminium base) and circular at the top (connection to cover)
- Circular shaped top cover in NY-FV30% moulded with “micro-shot blasted” finish
- Cone covering gear tray in black, NY-FV30%
- Heat sink frame for in solid, anodised aluminium
- Polyester powder coating with a pretreatment (Phosphochromating method) to ensure high protection against weathering
- Silicone gaskets
- A2 stainless steel screws

COLOUR
- Black textured

LIGHTING CHARACTERISTICS
- LED’s lighting source in fixed position
- Immediately ON at 100% of the light flux
- Monochromatic LED module (12 Led's - 26,4W)
- Monochromatic LED module (24 Led's - 36,8W - 52,8W)
- Round symmetrical light throw
- Lenses in highly transmittant PMMA (93% efficiency) with unilateral opening of light beam allowing for good spacing between luminaire
- One lens for each group of 3 LED's is fitted with a more diffused lens to guarantee uniformity of the light flux, especially directly below the luminaire
- LED's covers arranged in a ring formation, made from NY/FV30% matte white colour, snaps into place without screws LED optics for a round symmetrical, predominantly frontal light throw, guaranteeing a good level of performance at elevated distances

WIRING CHARACTERISTICS 29,6W - 12 Led's
- n°4 monochromatic LED's module with n°3 Led's
- Built-in driver (700mA driver output)
- Surge protection kit - SPD:
- Max impulse voltage UOC 10KV
- Voltage protection level L-N <1500V

WIRING CHARACTERISTICS 41,4W - 24 Led's
- n°8 monochromatic LED's module with n°3 Led's
- Built-in driver (500mA driver output)
- Surge protection kit - SPD:
- Max impulse voltage UOC 10KV
- Voltage protection level L-N <1500V
- Voltage protection level L-PE <1500V

WIRING CHARACTERISTICS 59,2W - 24 Led's
- n°8 monochromatic LED's module with n°3 Led's
- Built-in driver (700mA driver output)
- Surge protection kit - SPD:
- Max impulse voltage UOC 10KV
- Voltage protection level L-N <1500V
- Voltage protection level L-PE <1500V

- The modules are connected in parallel via a quick release connector, fixed to the thick circular anodised aluminium heat sink through n.2 screws
- Heat sink frame for LED's in thick anodised aluminium connected to cover with thermo-conducting silicone grease
- Heat sink frame/LED's modules are easily replaced because of polarised connector
- Easily extractable gear tray made from NY-FV30% connected to terminal with automatic connection
- In the case of malfunction, one LED module malfunctions, however the other modules remains functional keeping the light fitting on

INSTALLATION AND ORDINARY MAINTENANCE CHARACTERISTICS
- Luminaire for direct installation on pole tops Ø60mm
- Pre-wired with H05RN-F 2x1,5mmq cable (30cm) for the connection to the mains - 29,6W
- Pre-wired with H05RN-F 3x1,5mmq cable (30cm) for the connection to the mains - 41,4W - 59,2W
- Fixing to pole using n°3 screws, n°1 of which is a through bolt (safety)
- Ordinary maintenance by loosening n.1 screw placed at the top of the cover in order to access the optical compartment

DIMENSIONS
- Conically shaped fixture with hexagonal-circular sections
- Ø515x505mm

TECHNICAL SPECS
• Step MacAdam: 3
• Lifetime Led's: L80/B50>60Kh Tc 85°C
• Lifetime driver: 50Kh
• Power factor: 0,97
• Warranty: 3 years

TECHNICAL SPECS 4000K - 29,6W
• LED’s output: 3483lm@tc25°C
• Luminaire output: 2426lm@ta25°C
• LED's efficiency: 132lm/W
• Luminaire efficiency: 82lm/W
• LED’s consumption: 26,4W
• Luminaire consumption: 29,6W
• Insulation class: II
• RG: 2 <40cm

TECHNICAL SPECS 3000K - 29,6W
• LED’s output: 3288lm@tc25°C
• Luminaire output: 2291lm@ta25°C
• LED's efficiency: 125lm/W
• Luminaire efficiency: 77lm/W
• LED’s consumption: 26,4W
• Luminaire consumption: 29,6W
• Insulation class: II
• RG: 2 <50cm

TECHNICAL SPECS 4000K - 41,4W
• LED’s output: 5224lm@tc25°C
• Luminaire output: 3309lm@ta25°C
• LED's efficiency: 142lm/W
• Luminaire efficiency: 80lm/W
• LED’s consumption: 36,8W
• Luminaire consumption: 41,4W
• Insulation class: I

• RG: 2 <45cm

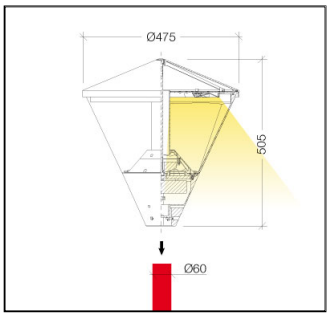
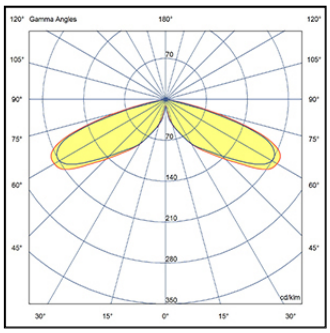
TECHNICAL SPECS 3000K - 41,4W
• LED’s output: 4933lm@tc25°C
• Luminaire output: 3124lm@ta25°C
• LED's efficiency: 134lm/W
• Luminaire efficiency: 76lm/W
• LED’s consumption: 36,8W
• Luminaire consumption: 41,4W
• Insulation class: I
• RG: 2 <55cm

TECHNICAL SPECS 4000K - 59,2W
• LED’s output: 6966lm@tc25°C
• Luminaire output: 4412lm@ta25°C
• LED's efficiency: 132lm/W
• Luminaire efficiency: 74m/W
• LED’s consumption: 52,8W
• Luminaire consumption: 59,2W
• Insulation class: I
• RG: 2 <55cm

TECHNICAL SPECS 3000K - 59,2W
• LED’s output: 6577lm@tc25°C
• Luminaire output: 4166lm@ta25°C
• LED's efficiency: 125lm/W
• Luminaire efficiency: 70lm/W
• LED’s consumption: 52,8W
• Luminaire consumption: 59,2W
• Insulation class: I
• RG: 2 <65cm

Rev 06 - 02/03/2022

Details
• Conformity with EU Directives
• CLASS I
• Double insulation/class II
• IK08
• RG1
• CRI>80
• IP 65



220-240V 50/60Hz 59,2W						
CE			IK 08	RG 1	CRI ≥80	IP65