

genesis  ne



Naka 101

LED Post Top



Naka 101 Post Top

The Naka 101 LED Post Top truly is a versatile and robust lighting solution that can enhance both the functionality and aesthetic appeal of urban spaces. Its blend of modern design and durable construction, make it a solid choice for various outdoor environments.

The Naka 101 features double photometric diffuser technology, which uses two layers of diffusion to improve light distribution and reduce glare.

The option to choose between asymmetric and symmetrical optics allows for targeted light distribution, making it adaptable to different settings.

The heavy-duty die-cast aluminum housing and UV-stabilized powder coating are particularly appealing for areas prone to harsh weather conditions, ensuring longevity. The practical design effectively dissipates heat, adding to the fixture's value in both residential and commercial applications.





Double Photometric Diffuser Technology



The Naka 101 features double photometric diffuser technology, which uses two layers of diffusion to improve light distribution and reduce glare. The first layer diffuses light in one direction, while the second layer further spreads and softens the light, ensuring more uniform illumination across the space. This technology offers several benefits, including uniform light distribution, which eliminates harsh shadows and provides a consistent glow, glare control for enhanced visual comfort, safety and energy efficiency by achieving the desired brightness with less energy. Additionally, the soft, diffused light reduces eye strain, creating a more pleasant atmosphere for any environment.

Enhanced Visual Comfort

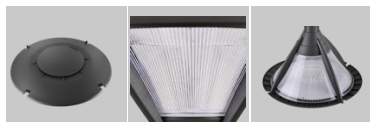


The Naka Post Top 101 reduces glare and provides more even light distribution, improving visibility and reducing eye strain for individuals in the area. Specially designed optical lenses are used to focus or spread light in specific directions, reducing the intensity of light in the line of sight. This helps to avoid direct glare for pedestrians, drivers, and others in the area.

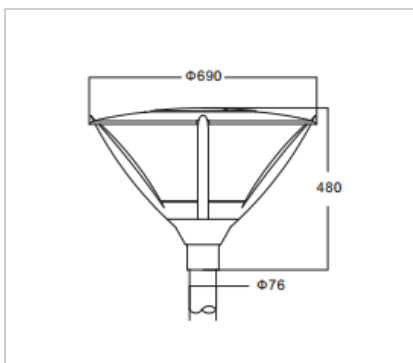
Durability



The Naka Post Top 101 ribbed diffusers are made from durable materials, such as polycarbonate or acrylic, and can withstand environmental conditions (such as heat) better than flat, smooth diffusers. This makes them a reliable option for outdoor lighting applications.



| | |
|--------------------|---|
| MODEL | Naka 101 Post Top |
| WATTAGE | 30W 40W 55W 60W 70W |
| CRI | 70 |
| CCT | 3000K 4000K 5000K 5700K 6500K |
| BEAM ANGLE | 160°*60° (standard) |
| MATERIAL | Die Cast Aluminum |
| FINISH | Powder Coating |
| DIFFUSER | Polycarbonate (PC), Double photometric diffuser technology |
| DRIVER | Constant current remote LED driver included |
| APPLICATION | Gardens, Courtyards, Private and public gardens, Walkways, Parks and recreation areas, Pathways |



| Model | Watts | LxW(mm) | Lumen(lm/w) |
|-------|-------|---------------|-------------|
| PT101 | 30W | ø690x480, ø76 | 115 |
| | 40W | | |
| | 55W | | |
| | 60W | | |
| | 70W | | |

OPTICAL DATA

| | |
|-------------------------------------|---------------------|
| Light Source | SMD 2835 |
| Correlated Colour Temperature (CCT) | 3000K ~ 6500K |
| Colour Rendering Index (CRI) | >75 standard |
| SDCM | <3 |
| Beam Angle | 160°*60° (standard) |
| UGR | - |

PERFORMANCE

| | |
|---------------------|----------------------------------|
| System Wattage | 30W 40W 55W 60W 70W |
| Luminous Flux(±10%) | 3450 4600 6325 6900 8050 |
| Luminaire Efficacy | 115lm/W |

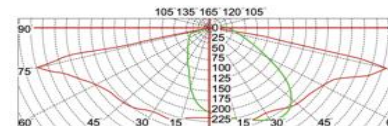
OPERATING CONDITIONS

| | |
|----------------------------|----------------|
| Operating Temperature (Ta) | -40° to +50°C |
| Mounting Options | Post Top ø76mm |

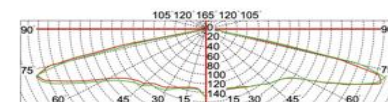
HOUSING & FINISH

| | |
|------------------|--|
| Housing Material | Die Cast Aluminum, Soft sheet rotating cover |
| Diffuser | Polycarbonate |
| Finish | Powder Coating |
| Finish Colour | Black RAL 9005 / Grey RAL 7015 |
| Weight (Kg) | 12,5kg |
| IP Rating | IP65 |
| IK Rating | - |

PHOTOMETRIC DATA



Type 1



Type 3

ELECTRICAL DATA

| | |
|-------------------------------------|--|
| Protection Class | Class 1 |
| Nominal Voltage | AC 100-277V 50-60 Hz |
| Power Factor | >0,95 |
| Surge Protection (Kv) | - |
| Control Protocol | DALI, 1-10V |
| Sensor | - |
| Emergency | - |
| Power Supply Driver Type | Inventronic Meanwell Constant Current (CC) |
| Total Harmonic Distortion (THD) | IEC 61000-3-2 Class C <20% |
| Driver Lifetime | >120,000hrs |
| Electromagnetic Compatibility (EMC) | EN 55015:2019/A11:2020, EN 61000 3-2:2019, EN 61000-3-3:2013, EN 61547:2009, EN 62493:2015 |

TECHNICAL DATA

| | |
|------------------|---|
| Certifications | CE, EMC, LVD |
| Warranty | 5 Year |
| Documentation | LM-79 / LM-80 / ISTMT / TM-21 |
| Testing Standard | LM-79-19 (all measurements in ISO17025 accredited laboratory) |

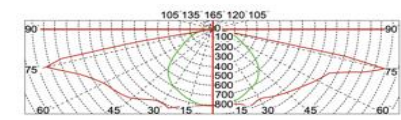
LIFETIME OF THE LEDS @ TA 25°C

| | |
|-----------------------|------------|
| Lifetime @L70 (Tm-21) | >50,000hrs |
| Lifetime @L80 (Tm-21) | |
| Lifetime @L90 (Tm-21) | |
| Switching Cycles | <100,000 |

ORDERING INFORMATION

Example: PT101-N-60-50-690-B

| Model | Dimming | Wattage | CCT | Overall | Finish Colour |
|-------|---------------|---------|----------|----------------|------------------|
| PT101 | N | 40W | 50 | 690 | B |
| PT101 | N NonDim | 30W | 30 3000K | 690 ø690*480mm | B Black RAL 9005 |
| | T Triac Dim | 40W | 40 4000K | | G Grey RAL 7015 |
| | V 0/1-10V Dim | 55W | 50 5000K | | |
| | D DALI Dim | 60W | 57 5700K | | |
| | | 70W | | | |



Type 2

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