

genesis^{one}



Naka 03

LED Post Top



Naka 03 Post Top

The Naka 03 LED Post Top combines contemporary design with cutting-edge lighting technology, making it a standout solution for modern urban environments. Its elegant, curved profile not only elevates outdoor aesthetics but also ensures effective heat dissipation for long-lasting performance.

Equipped with advanced optical technology, the Naka 03 delivers precise light distribution that minimizes glare while maintaining superior illumination. With an impressive efficacy of 150lm/W, it provides maximum brightness with minimal energy consumption.

Engineered for reliability, the luminaire offers a 50,000-hour lifespan (L70 @Ta=25°C) and includes robust 10kV surge protection. Available in three styles (Type A | B | C) with dimensions of $\varnothing 423 \times 520 \text{mm}$, and wattages ranging from 20W to 150W, the Naka 03 is adaptable to a wide variety of urban lighting applications.

The Naka 03 LED Post Top is the perfect balance of performance and design; enhancing safety, sustainability, and visual appeal in today's cities.





High Lumen Efficiency for Superior Illumination



The Naka 03 LED Post Top provides exceptional illuminance with high lumen efficiency, making it ideal for urban spaces. It features a standard output of 150lm/W, delivering significant energy savings and lowering operational costs. This makes the Naka 03 perfect for large public areas, ensuring bright, well-lit surroundings with minimal power consumption.

Advanced Optical Technology for Enhanced Visibility



Its professional optical design reduces glare and eliminates blind spots, enhancing safety and visibility. This ensures even illumination across pedestrian walkways, streets, and public spaces, creating a welcoming urban environment. Asymmetric or Symmetric beam angles available.

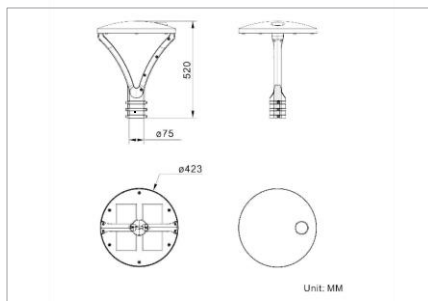
Durable & Reliable Performance



Built for durability, the Naka 03 boasts a 50,000-hour LED lifespan (L70 @Ta=25°C), ensuring long-term reliability with minimal maintenance. Its efficient heat dissipation design prevents overheating, preserving the longevity of internal components. Additionally, standard 10kV surge protection safeguards against power fluctuations.



MODEL	Naka 03A Post Top
WATTAGE	20W - 150W
CRI	70
CCT	3000K 4000K 5000K 5700K 6500K
BEAM ANGLE	90° 120° 75° *160°
MATERIAL	Die Cast Aluminum
FINISH	Powder Coating
DIFFUSER	Polycarbonate (PC)
DRIVER	Constant current remote LED driver included
APPLICATION	Gardens, Courtyards, Private and public gardens, Walkways, Parks and recreation areas, Pathways



Model	Watts	LxW(mm)
PT03	20W 30W 40W ... 140W 150W	ø482x618, ø60

OPTICAL DATA

Light Source	SMD 3030 /2835
Correlated Colour Temperature (CCT)	3000K ~ 6500K
Colour Rendering Index (CRI)	>70 standard
SDCM	<3
Beam Angle	90° 120° 75° *160°
UGR	-

PERFORMANCE

System Wattage	20W 30W 40W ... 140W 150W
Luminous Flux(±10%)	3000 4500 6000 ... 21000 22500
Luminaire Efficacy	150lm/W

OPERATING CONDITIONS

Operating Temperature (Ta)	-40° to +65°C
Mounting Options	Post Top ø75mm

HOUSING & FINISH

Housing Material	Die Cast Aluminum
Diffuser	Polycarbonate
Finish	Powder Coating
Finish Colour	Black RAL9005 Graphite RAL7024 Grey RAL7035
Weight (Kg)	8kg
IP Rating	IP65
IK Rating	IK09

ELECTRICAL DATA

Protection Class	Class 1
Nominal Voltage	AC100-240V 50-60 Hz
Power Factor	>0.90
Surge Protection (Kv)	4KV-6KV-10KV
Control Protocol	-
Sensor	-
Emergency	-
Power Supply	Inventronic MOSO Sosen
Driver Type	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

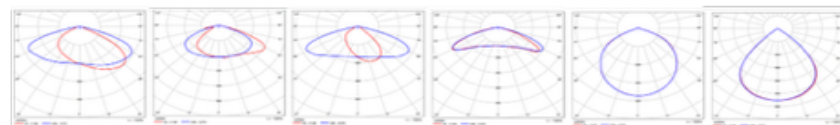
TECHNICAL DATA

Certifications	ENEC/CB/SAA/TUV-CE/ROHS
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

PHOTOMETRIC DATA



90°|120°| 75° *160°

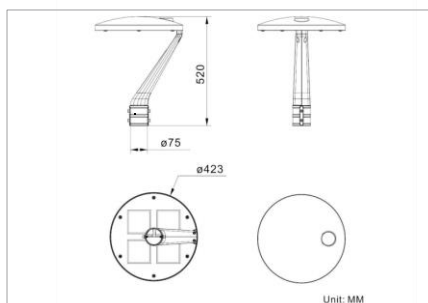
ORDERING INFORMATION

Example: PT03A-N-60-50-423-B

Model	Dimming	Wattage	CCT	Overall	Finish Colour
PT03A	N	40W	50	482	G
PT03A	N NonDim	20W	30 3000K	423 423x520mm	G Grey RAL7015
PT03B	T Triac Dim	30W	40 4000K		B Black RAL9005
PT03C	V 0/1-10V Dim	40W	50 5000K		
	D DALI Dim	50W	57 5700K		
		60W	65 6500K		
		70W			
		80W			
		90W			
		100W			
		110W			
		120W			
		130W			
		140W			
		150W			



MODEL	Naka 03B Post Top
WATTAGE	20W - 150W
CRI	70
CCT	3000K 4000K 5000K 5700K 6500K
BEAM ANGLE	90° 120° 75° *160°
MATERIAL	Die Cast Aluminum
FINISH	Powder Coating
DIFFUSER	Polycarbonate (PC)
DRIVER	Constant current remote LED driver included
APPLICATION	Gardens, Courtyards, Private and public gardens, Walkways, Parks and recreation areas, Pathways



Model	Watts	LxW(mm)
PT03B	20W 30W 40W ... 140W 150W	ø482x618, ø60

OPTICAL DATA

Light Source	SMD 3030 /2835
Correlated Colour Temperature (CCT)	3000K ~ 6500K
Colour Rendering Index (CRI)	>70 standard
SDCM	<3
Beam Angle	90° 120° 75° *160°
UGR	-

PERFORMANCE

System Wattage	20W 30W 40W ... 140W 150W
Luminous Flux(±10%)	3000 4500 6000 ... 21000 22500
Luminaire Efficacy	150lm/W

OPERATING CONDITIONS

Operating Temperature (Ta)	-40° to +65°C
Mounting Options	Post Top ø75mm

HOUSING & FINISH

Housing Material	Die Cast Aluminum
Diffuser	Polycarbonate
Finish	Powder Coating
Finish Colour	Black RAL9005 Graphite RAL7024 Grey RAL7035
Weight (Kg)	8kg
IP Rating	IP65
IK Rating	IK09

ELECTRICAL DATA

Protection Class	Class 1
Nominal Voltage	AC100-240V 50-60 Hz
Power Factor	>0.90
Surge Protection (Kv)	4KV-6KV-10KV
Control Protocol	-
Sensor	-
Emergency	-
Power Supply	Inventronic MOSO Sosen
Driver Type	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 62483:2015

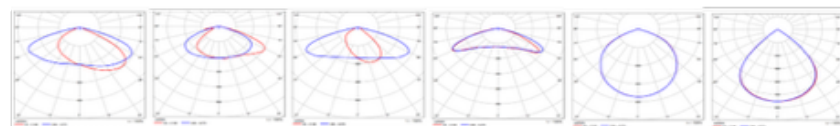
TECHNICAL DATA

Certifications	ENEC/CB/SAA/TUV-CE/ROHS
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

PHOTOMETRIC DATA

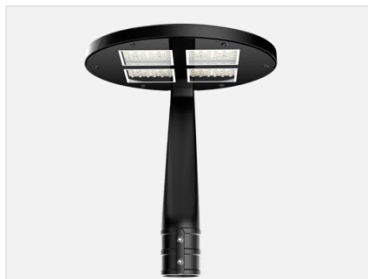


90°|120°| 75° *160°

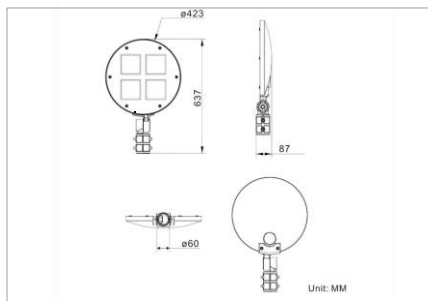
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Example: PT03A-N-60-50-423-B

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PT03A	N	40W	50	482	G
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		70W			
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		90W			
		100W			
		110W			
		120W			
		130W			
		140W			
		150W			



MODEL	Naka 03C Post Top
WATTAGE	20W - 150W
CRI	70
CCT	3000K 4000K 5000K 5700K 6500K
BEAM ANGLE	90° 120° 75° *160°
MATERIAL	Die Cast Aluminum
FINISH	Powder Coating
DIFFUSER	Polycarbonate (PC)
DRIVER	Constant current remote LED driver included
APPLICATION	Gardens, Courtyards, Private and public gardens, Walkways, Parks and recreation areas, Pathways



Model	Watts	LxW(mm)
PT03C	20W 30W 40W ... 140W 150W	ø482x618, ø60

OPTICAL DATA

Light Source	SMD 3030 /2835
Correlated Colour Temperature (CCT)	3000K ~ 6500K
Colour Rendering Index (CRI)	>70 standard
SDCM	<3
Beam Angle	90° 120° 75° *160°
UGR	-

PERFORMANCE

System Wattage	20W 30W 40W ... 140W 150W
Luminous Flux(±10%)	3000 4500 6000 ... 21000 22500
Luminaire Efficacy	150lm/W

OPERATING CONDITIONS

Operating Temperature (Ta)	-40° to +65°C
Mounting Options	Post Top ø75mm

HOUSING & FINISH

Housing Material	Die Cast Aluminum
Diffuser	Polycarbonate
Finish	Powder Coating
Finish Colour	Black RAL9005 Graphite RAL7024 Grey RAL7035
Weight (Kg)	8kg
IP Rating	IP65
IK Rating	IK09

ELECTRICAL DATA

Protection Class	Class 1
Nominal Voltage	AC100-240V 50-60 Hz
Power Factor	>0.90
Surge Protection (Kv)	4KV-6KV-10KV
Control Protocol	-
Sensor	-
Emergency	-
Power Supply	Inventronic MOSO Sosen
Driver Type	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

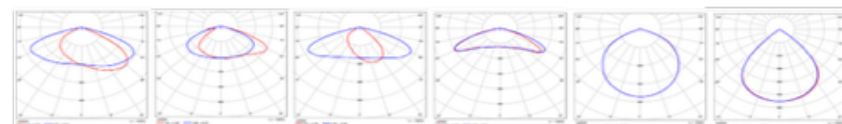
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LIFETIME OF THE LEDS @ TA 25°C

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

PHOTOMETRIC DATA



90°|120°| 75° *160°

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		60W	65 6500K		
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		80W			
		90W			
		100W			
		110W			
		120W			
		130W			
		140W			
		150W			

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