

NARA

NARA 120

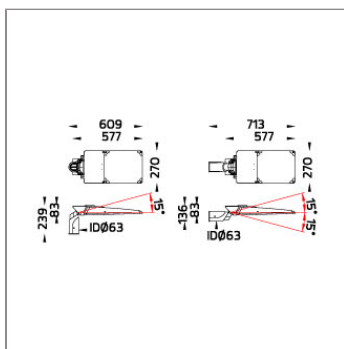
POLE MOUNTED LIGHT



LAST UPDATE: 29-04-2026



From slow speed secondary roads to multi lane highways NARA is the perfect solution for all road lighting requirements. T2 and T3 CAD optimized optics are available as a standard product option. On request a NEMA or Zhaga connector can be added. Across the range a 0.8m long pre-wired cable and pressure equalizing element are standard. The cleverly designed pole adapter allows horizontal or vertical pole entry and includes an easy-to-read graduated scale. The housing is cast from a highly corrosion resistant aluminum alloy. The operating temperature of 50°C allows reliable use in challenging environmental conditions.



Technical Data



| | |
|-----------------------|---------------------------------|
| Ordering Code : | 7706-I-3-006-A4 |
| Lamp : | LED |
| Beam : | T2 - Asymmetric Long Side Throw |
| CCT : | 4000 K |
| CRI : | CRI >70 |
| SDCM : | SDCM = 5 |
| Luminaire Lumen : | 18120 lm |
| Luminaire Wattage : | 120 W |
| Efficacy : | 151 lm/W |
| Ambient Temperature : | 50°C |
| Lumen Maintenance | L70 >72,000 h [@25°C] |
| Controller : | On-Off |
| Input Voltage : | 220-240Vac 50/60Hz |
| Net Weight : | 5.20 kg. |

Ordering code guide

B
D
XXXX-X-X-XXX-XX
A
C
E

- A Product Code
- B Reflector
- C Electrical Component
- D Lamp
- E Color



Icon definition

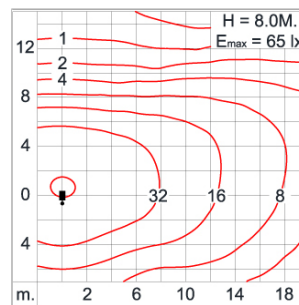
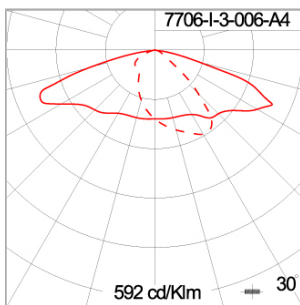
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Specification

| | | | | | | | | | | | | | |
|---|---|---|----------|---|-------------|---|--------------|---|--------------------|---|----------|---|-----------|
| IEC Standard | IEC 60598-1 General Requirement IEC 60598-2-1 Fixed Luminaires | | | | | | | | | | | | |
| Protection | IP66 Class I | | | | | | | | | | | | |
| IK Rating | Protection against mechanical impact IK09 | | | | | | | | | | | | |
| Luminaires Body Housing | High-pressure die cast aluminum alloy body and components. | | | | | | | | | | | | |
| Coating Process | Luminaire top coated with UV stabilized polyester powder and cured in digital temperature controlled chamber at 200°C. | | | | | | | | | | | | |
| Diffuser | Impact resistant safety tempered glass cover. Able to withstand the temperature up to 250°C. | | | | | | | | | | | | |
| Lens | Molded PMMA lens from renowned manufacturers in various light distribution patterns. | | | | | | | | | | | | |
| Adjustable Optic | Adjustable aiming unit through graduated scale. | | | | | | | | | | | | |
| Gasket | Post-cured treated silicone gasket. Temperature and weather resistant. Working temperature -40°C to +200°C. | | | | | | | | | | | | |
| External Screws | External screws are in stainless steel with protection grease. | | | | | | | | | | | | |
| Led | High efficiency LED module utilized chips from world renowned manufacturer. Assembled on MCPCB and mounted on to heat conductive material. | | | | | | | | | | | | |
| Driver | High quality constant current LED driver. Conform to safety standard and electromagnetic compatibility standard. | | | | | | | | | | | | |
| Enhanced Protection | Pressure equalization element ensuring optimal performance in varying conditions. | | | | | | | | | | | | |
| Internal Wire | Tinned copper conductor with silicone insulated internal wire. IMQ approved. Working temperature -40°C to +180°C. | | | | | | | | | | | | |
| Pre-Wire Cable | Pre-wired with 800mm long 3x1 sqmm cable. | | | | | | | | | | | | |
| Caution | Installation work has to be carried on according to the enclosed installation manual. | | | | | | | | | | | | |
| Color | <table border="0"> <tr> <td></td> <td>Black C1</td> </tr> <tr> <td></td> <td>Graphite C2</td> </tr> <tr> <td></td> <td>Dark Grey C3</td> </tr> <tr> <td></td> <td>Aluminum Silver A4</td> </tr> <tr> <td></td> <td>White C6</td> </tr> <tr> <td></td> <td>Corten C8</td> </tr> </table> |  | Black C1 |  | Graphite C2 |  | Dark Grey C3 |  | Aluminum Silver A4 |  | White C6 |  | Corten C8 |
|  | Black C1 | | | | | | | | | | | | |
|  | Graphite C2 | | | | | | | | | | | | |
|  | Dark Grey C3 | | | | | | | | | | | | |
|  | Aluminum Silver A4 | | | | | | | | | | | | |
|  | White C6 | | | | | | | | | | | | |
|  | Corten C8 | | | | | | | | | | | | |

Light Distribution



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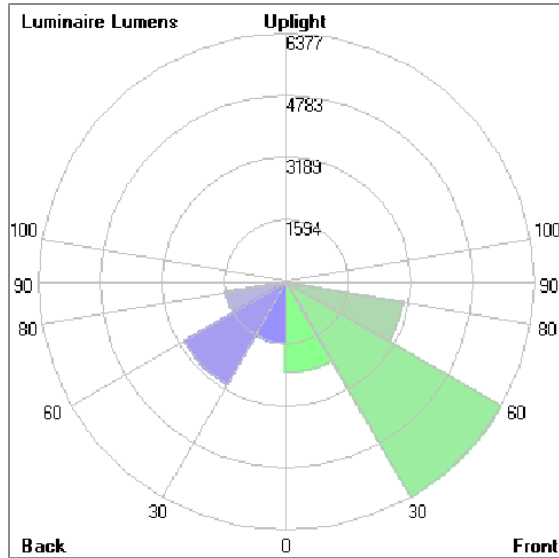
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Bug Report



Lum. Classification System [LCS]

| LCS | Zone | %Lumens | %Lamp | %Lum |
|------------|-----------|----------|-------|-------|
| FL | [0-30] | 2337.4 | 12.9 | 12.9 |
| FM | [30-60] | 6377.2 | 35.2 | 35.2 |
| FH | [60-80] | 3038.4 | 16.8 | 16.8 |
| FVH | [80-90] | 93.0 | 0.5 | 0.5 |
| BL | [0-30] | 1575.8 | 8.7 | 8.7 |
| BM | [30-60] | 3033.9 | 16.7 | 16.7 |
| BH | [60-80] | 1571.1 | 8.7 | 8.7 |
| BVH | [80-90] | 64.0 | 0.4 | 0.4 |
| UL | [90-100] | 7.0 | 0.0 | 0.0 |
| UH | [100-180] | 18.6 | 0.1 | 0.1 |
| Total | | 18116.4 | 100.0 | 100.0 |
| BUG Rating | | B3-U2-G3 | | |

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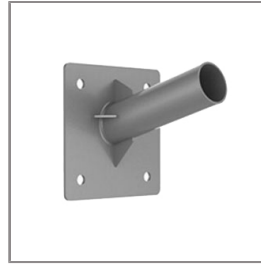
Accessories



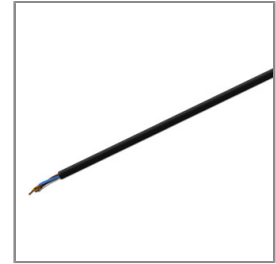
Ordering Code:
ATR-SEN-0001-00
Photocell, On-Off,
pre-assembly from factory



Ordering Code:
ATR-SOC-0001-00
7 pin NEMA socket
according to ANSI
standard, pre-assembly
from factory



Ordering Code:
ATR-MOT-0003-XX
Wall mount adapter



Ordering Code:
ATR-CAB-0001-00
Extended pre-wired cable,
L= 6000, pre-assembly
from factory



Ordering Code:
ATR-MOT-0004-XX
Double head pole mount
adapter, for 76mm spigot
diameter



Ordering Code:
AUN-MOT-0058-XX
Pole mount adaptor, spigot
diameter 76mm



Ordering Code:
STEEL-POLE-FOR-NARA
Please contact Sales
Representative

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