

# NARA

## NARA 120

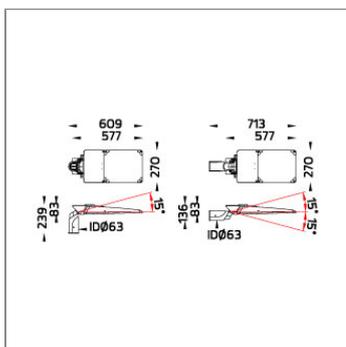
### POLE MOUNTED LIGHT



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-S-3-006-A4               |
| Lamp :                | LED                           |
| Beam :                | T4 - Asymmetric Forward Throw |
| CCT :                 | 4000 K                        |
| CRI :                 | CRI >70                       |
| SDCM :                | SDCM = 5                      |
| Luminaire Lumen :     | 16830 lm                      |
| Luminaire Wattage :   | 120 W                         |
| Efficacy :            | 140 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

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

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



Icon definition

\*Due to the constancy of product development, we reserve the right to alter all specification without prior notice.

Unilamp Co., Ltd.  
 461 Ramintra Road, Kannayao, Bangkok 10230 Thailand  
 Tel : +66(0)2 943 2420-1, +66(0)2 946 4170-1  
 Fax : +66(0)2 943 2419  
 online@unilamp.co.th  
 www.unilamp.co.th

## NARA 120

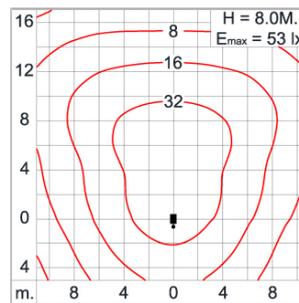
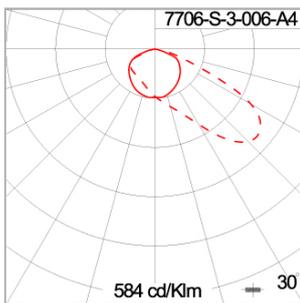
### POLE MOUNTED LIGHT

LAST UPDATE: 29-04-2026

#### Specification

|                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                     |          |                                                                                     |             |                                                                                     |              |                                                                                     |                    |                                                                                     |          |                                                                                     |           |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------|-------------|-------------------------------------------------------------------------------------|--------------|-------------------------------------------------------------------------------------|--------------------|-------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------|-----------|
| IEC Standard                                                                        | IEC 60598-1 General Requirement<br>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



# NARA

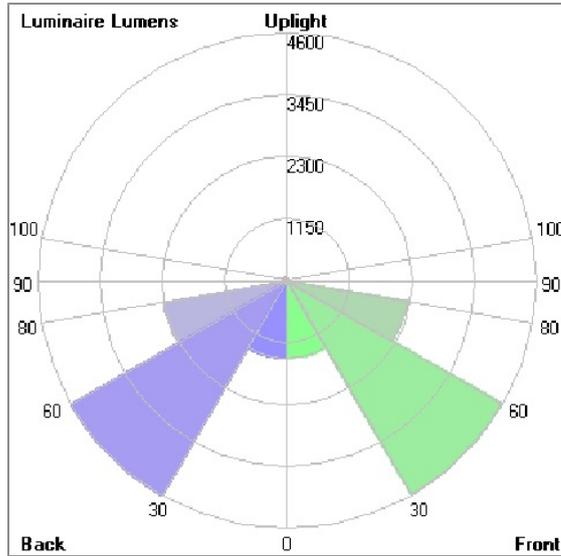
## NARA 120

### POLE MOUNTED LIGHT



LAST UPDATE: 29-04-2026

#### Bug Report



#### Lum. Classification System [LCS]

| LCS        | Zone      | %Lumens  | %Lamp | %Lum  |
|------------|-----------|----------|-------|-------|
| FL         | [0-30]    | 1434.4   | 8.5   | 8.5   |
| FM         | [30-60]   | 4563.8   | 27.1  | 27.1  |
| FH         | [60-80]   | 2250.8   | 13.4  | 13.4  |
| FVH        | [80-90]   | 85.5     | 0.5   | 0.5   |
| BL         | [0-30]    | 1448.8   | 8.6   | 8.6   |
| BM         | [30-60]   | 4599.6   | 27.3  | 27.3  |
| BH         | [60-80]   | 2310.1   | 13.7  | 13.7  |
| BVH        | [80-90]   | 91.1     | 0.5   | 0.5   |
| UL         | [90-100]  | 12.2     | 0.1   | 0.1   |
| UH         | [100-180] | 40.0     | 0.2   | 0.2   |
| Total      |           | 16836.3  | 99.9  | 100.0 |
| BUG Rating |           | B3-U2-G3 |       |       |

\*Due to the constancy of product development, we reserve the right to alter all specification without prior notice.

Unilamp Co., Ltd.  
461 Ramintra Road, Kannayao, Bangkok 10230 Thailand  
Tel : +66[0]2 943 2420-1, +66[0]2 946 4170-1  
Fax : +66[0]2 943 2419  
online@unilamp.co.th  
www.unilamp.co.th

# NARA

## NARA 120

### POLE MOUNTED LIGHT



LAST UPDATE: 29-04-2026

#### Accessories



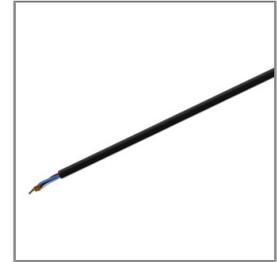
Ordering Code:  
ATR-SEN-0001-00  
Photocell, On-Off,  
pre-assembly from factory



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

\*Due to the constancy of product development,  
we reserve the right to alter all specification  
without prior notice.

Unilamp Co., Ltd.  
461 Ramintra Road, Kannayao, Bangkok 10230 Thailand  
Tel : +66[0]2 943 2420-1, +66[0]2 946 4170-1  
Fax : +66[0]2 943 2419  
online@unilamp.co.th  
www.unilamp.co.th