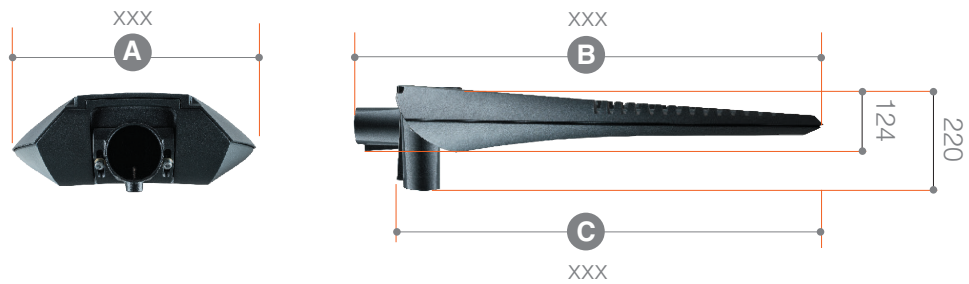
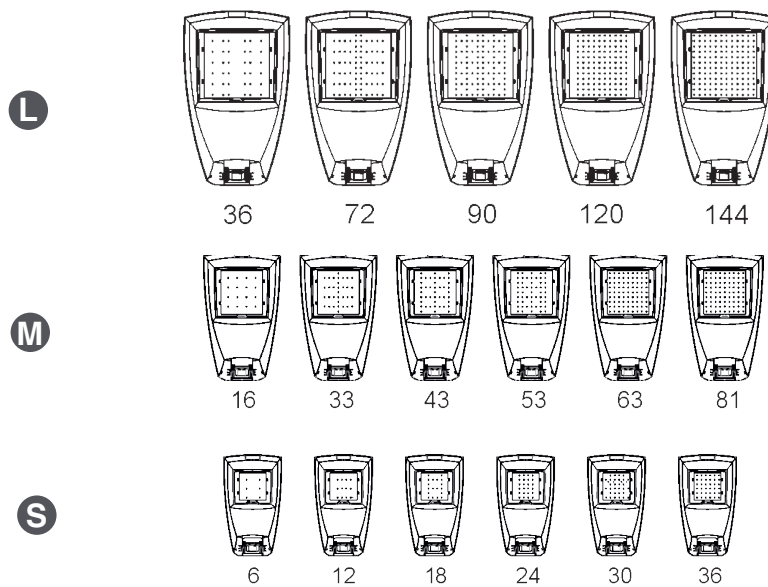


# NAICA

The way BOOS articulates innovation advocates provision of the best possible solutions to meet all existing and new requirements as well as anticipating future market needs. This is accomplished by means of a unique receipt: the sum of good design + best practices + reliable solutions + proved components that we make readily available to markets, governments and society.



|              | A      | B      | C      |
|--------------|--------|--------|--------|
| NAICA Small  | 330 mm | 661mm  | 571 mm |
| NAICA Medium | 420 mm | 764 mm | 674 mm |
| NAICA Large  | 492 mm | 898 mm | 809 mm |



| LED | COOL<br>WHITE<br>MIN/MAX<br>LUMEN | NEUTRAL<br>WHITE<br>MIN/MAX<br>LUMEN | WARM WHITE<br>MIN/MAX<br>LUMEN | SYSTEM<br>POWER (W)<br>MIN/MAX | DRIVER<br>LIFETIME<br>(KHRS) |
|-----|-----------------------------------|--------------------------------------|--------------------------------|--------------------------------|------------------------------|
|-----|-----------------------------------|--------------------------------------|--------------------------------|--------------------------------|------------------------------|

#### NAICA Small DOR-40

|    |            |            |           |        |     |
|----|------------|------------|-----------|--------|-----|
| 6  | 750-2250   | 750-2250   | 600-1850  | 6-19   | 100 |
| 12 | 1250-3500  | 1250-3500  | 1050-3000 | 10-26  | 100 |
| 18 | 2000-5500  | 2000-5500  | 1650-4550 | 14-41  | 100 |
| 24 | 2500-7500  | 2500-7500  | 2000-6250 | 17-78  | 100 |
| 30 | 4500-9500  | 4500-9500  | 3750-8000 | 32-96  | 100 |
| 36 | 5500-11000 | 5500-11000 | 4500-9150 | 36-115 | 100 |

#### NAICA Medium DOR-41

|    |            |            |            |        |     |
|----|------------|------------|------------|--------|-----|
| 16 | 1750-4750  | 1750-4750  | 1450-3950  | 13-39  | 100 |
| 33 | 3500-10000 | 3500-10000 | 2900-8300  | 23-72  | 100 |
| 43 | 4250-13000 | 4250-13000 | 3500-10750 | 28-94  | 100 |
| 53 | 5500-16000 | 5500-16000 | 4550-13250 | 36-116 | 100 |
| 63 | 6500-19000 | 6500-19000 | 5400-15750 | 44-137 | 100 |
| 81 | 8000-22500 | 8000-22500 | 6650-18650 | 52-159 | 100 |

#### NAICA Large DOR-42

|     |             |             |             |        |     |
|-----|-------------|-------------|-------------|--------|-----|
| 36  | 4000-11000  | 4000-11000  | 3350-9000   | 26-78  | 100 |
| 72  | 6000-22000  | 6000-22000  | 5000-18250  | 44-157 | 100 |
| 96  | 7000-30000  | 7000-30000  | 5800-25000  | 42-223 | 100 |
| 120 | 9000-37000  | 9000-37000  | 7500-30500  | 56-271 | 100 |
| 144 | 15000-45000 | 15000-45000 | 12500-37500 | 90-332 | 100 |

| PARAMETER                                    | TECHNICAL DATA                                                                                               |
|----------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Type                                         | NAICA S (up to 36 LEDs), NAICA M (up to 81 LEDs), NAICA L (up to 144 LEDs)                                   |
| Light source                                 | Built-in LED module                                                                                          |
| Color temperature                            | 4000K (neutral white), 5700K (cool white), 3000K & 2700K (warm white). Amber LED available                   |
| Color stability                              | 3 or 5 MacAdam steps for all standard LED colors                                                             |
| Color Rendering Index                        | >70 (neutral white and cool white), >75 (warm white)                                                         |
| Luminous Flux<br>(led flux @ Ta=25C outdoor) | from 600 to 45000 lm                                                                                         |
| Power                                        | from 6 to 332 W                                                                                              |
| Luminaire efficiency                         | up to 145 lm/W                                                                                               |
| Lumen Maintenance (LM-80)                    | up to 200,000 hours at L80B10                                                                                |
| Constant lumen output (CLO)                  | as standard                                                                                                  |
| Optics                                       | ORW, ORS, ORW2, ORSM, ORSX, ORSY, ORN, ORNW, ORWW, ORSY, ORWX, ORWA, OP, OPB, A45, A45W, CB1, CB2, PCR, PCL  |
| Optical Cover                                | flat glass or Polycarbonates 8-faces bowl                                                                    |
| ULOR (%)                                     | 0% for flat glass versions (FG)                                                                              |
| Spigot diameter                              | 42-48 mm, 60 mm, 76 mm                                                                                       |
| Luminaire tilt                               | -10°, -7.5°, -5°, -2.5°, 0°, 2.5°, 5°, 7.5°, 10°                                                             |
| Control inputs                               | DALI, 1-10V, different main voltage, Line control.                                                           |
| Inrush current driver                        | 27W: 28A@150us, 40W: 27A@150us, 75W: 64A@190us, 150W: 70A@190 us 300W: 170A@220us                            |
| Electrical class                             | class I and class II (According to IEC-EN 60598)                                                             |
| Color                                        | Noir 2200 Sable and Dark grey 2900 Sable (RAL or AKZO Future colors or two colors available on request)      |
| IP rating                                    | IP66 and double IP66 (optional)                                                                              |
| IK rating                                    | IK08 (FG) & IK10 (PB) (according to IEC - EN 62262)                                                          |
| Weight                                       | NAICA Small: 6.8 kg, NAICA Medium: 9.8 kg, NAICA Big: 13.0 kg.<br>(May vary depending on driver and options) |
| ScX                                          | NAICA Small: 0.039 xx mm2, NAICA Medium: 0.039 xx mm2, NAICA Big: 0.044 xx mm2                               |
| Operating temperature range                  | -40°C <Ta<40°C                                                                                               |
| LED module thermal protection                | Yes                                                                                                          |
| Driver thermal protection                    | Yes                                                                                                          |
| Surge protection                             | 4kV (10kV as an option)                                                                                      |
| Electrical connection                        | M20 cable gland (strain relief), cable 10-14 mm.                                                             |
| External dimming connection                  | M16 cable gland (strain relief)                                                                              |
| Maintenance                                  | Free tool open, Free tool gear tray replacement.                                                             |
| Options                                      | Mini Photocell and NEMA socket, including cable                                                              |
| Pending                                      | CE, ENEC (in certification)                                                                                  |
| Material                                     | Canopy, frame and spigot: die-cast aluminum. Flat tempered glass (FG) or polycarbonate                       |