# NERI

**INDEX**

# NERI

## PICTOR BOLLARD SYSTEM

The Pictor Bollard system allows numerous configurations. The number of luminaires and accessories varies according to the main structure of the chosen bollard.
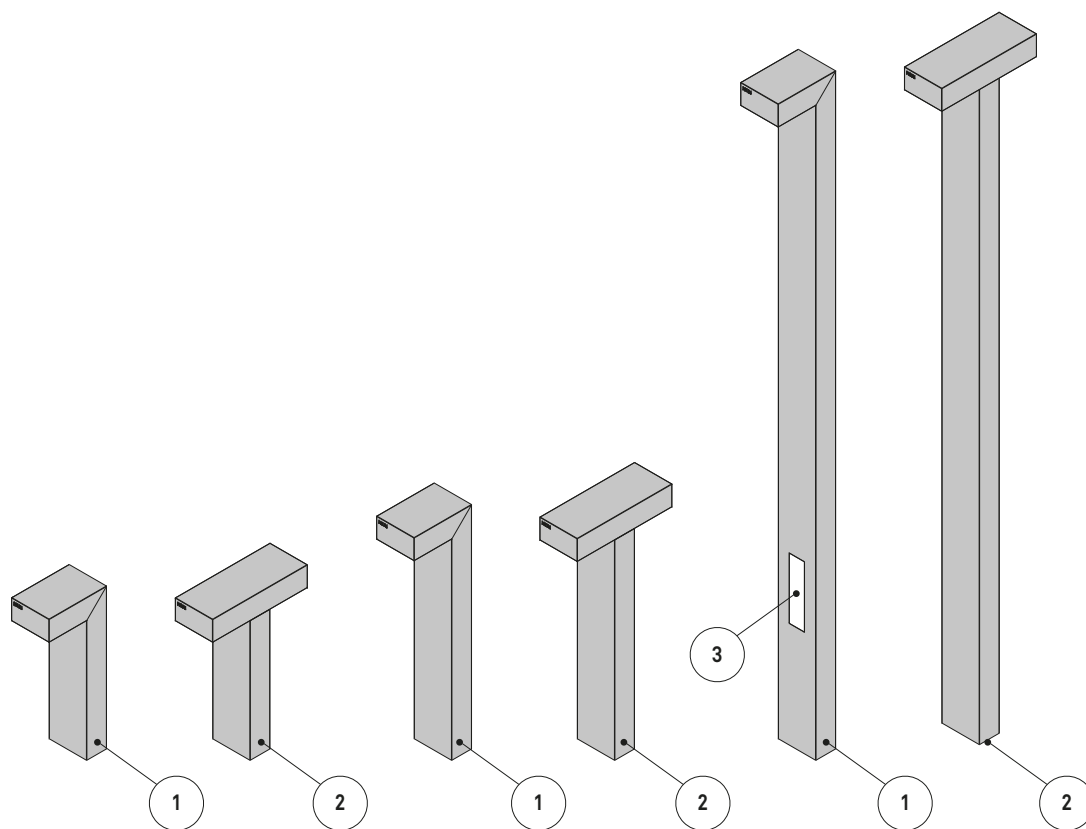
1 - Main bollard structure with one luminaire
   Available versions:
   h 23 5/8"
   h 35 3/8"
   h 8' 2 2/4"

2 - Main bollard structure with two luminaires
   Available versions:
   h 23 5/8"
   h 35 3/8"
   h 8' 2 2/4"

3 - Decorative LED module accessory

Other accessories available on request:
- Quick connector
- PIR presence detector
- SPD 10kV DM/CM

# NERI

| Project location: | | Bollard type: | |
|---|---|---|---|
| Project name: | | | |
| Model code #: | Date | Rev.02 | 01/2024 |

## BOLLARD H 23 5/8"

**DRAWINGS**

### Compliance
- In compliance with UL Standard 1598, UL8750.

c(UL)us

### Dimensions - Area - Weight

| Height | Width | Lenght | Weight | EPA |
|---|---|---|---|---|
| 23 5/8" | 3 3/8" | 9 5/8" | 25.35 lb | 0.81 ft$^2$ |

### Materials
- Extruded aluminum.
- Cast aluminum.
- Aluminum sheet.
- Steel sheet.
- Extra-clear transparent flat glass.
- Stainless and burnished steel screws.

### Structure - Main components
- External frame in extruded aluminum.
- Integrated heat sink in aluminum.
- Anchors bolts supplied.
- Suitable for wet location.

### Flange mounting
- Rectangular flange 150 x 77 mm (thickness 5 mm) for mounting with four anchors bolts.

### Electrical data
- Voltage: 120-277V (universal).
- Rated power: from 5.0 W to 9.3 W.
- Frequency: 50/60Hz.
- Protection rating: IP66, IK08 (Transparent glass).
- Operating temp.: -31°F / +122°F.
- Electronic power supply with protection against short circuits, overheating and power surges with an estimated duration of 100,000 h.
- Supplied with power cable.
- Standard surge protection 10kV/10kV.

### Painting
- Standard colors: Neri grey, pure white (RAL9010), jet black (RAL9005), moss green (RAL6005), white aluminum (RAL9006), grey aluminum (RAL9007).
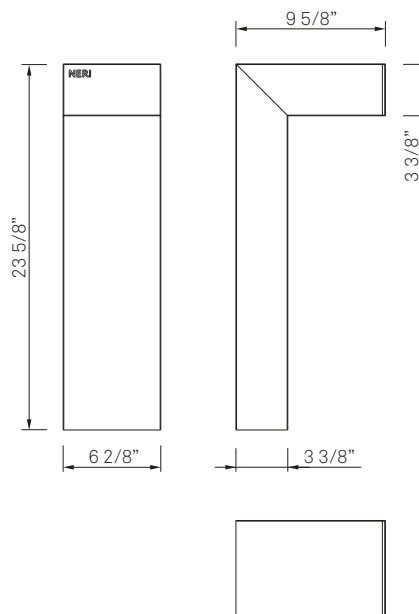
### Operation and maintenance
- Periodic maintenance for the external cleaning of the structure and the screeens from dust and smog and tightening control to the support.

### Accessories (on request)
- Quick connector.
- PIR presence detector.
- Prismatic flat glass.

# NERI

## BOLLARD H 35 3/8"

**DRAWINGS**

### Compliance
- In compliance with UL Standard 1598, UL8750.

### Dimensions - Area - Weight

| Height | Width | Lenght | Weight | EPA |
|--------|-------|--------|--------|-----|
| 35 3/8" | 3 3/8" | 9 5/8" | 28.66 lb | 1.14 ft$^2$ |

### Materials
- Extruded aluminum.
- Cast aluminum.
- Aluminum sheet.
- Steel sheet.
- Extra-clear transparent flat glass.
- Stainless and burnished steel screws.

### Structure - Main components
- External frame in extruded aluminum.
- Integrated heat sink in aluminum.
- Anchors bolts supplied.
- Suitable for wet location.

### Flange mounting
- Rectangular flange 150 x 77 mm (thickness 5 mm) for mounting with four anchors bolts.
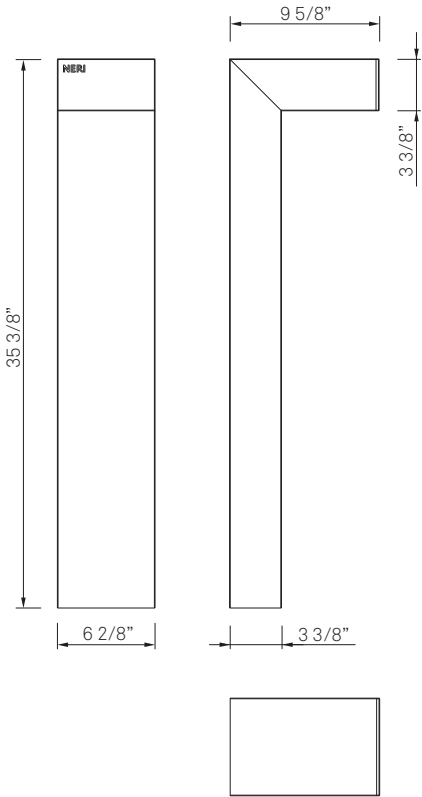
### Electrical data
- Voltage: 120-277V (universal).
- Rated power: from 5.0 W to 9.3 W.
- Frequency: 50/60Hz.
- Protection rating: IP66, IK08 (Transparent glass).
- Operating temp.: -31°F / +122°F.
- Electronic power supply with protection against short circuits, overheating and power surges with an estimated duration of 100,000 h.
- Supplied with power cable.
- Standard surge protection 10kV/10kV.

### Painting
- Standard colors: Neri grey, pure white (RAL9010), jet black (RAL9005), moss green (RAL6005), white aluminum (RAL9006), grey aluminum (RAL9007).

### Operation and maintenance
- Periodic maintenance for the external cleaning of the structure and the screeens from dust and smog and tightening control to the support.

### Accessories (on request)
- Quick connector.
- PIR presence detector.
- Prismatic flat glass.

# NERI

| Project location: | | Bollard type: | |
|---|---|---|---|
| Project name: | | | |
| Model code #: | Date | Rev.02 | 01/2024 |

## BOLLARD H 23 5/8" - DOUBLE LIGHT SOURCES

**DRAWINGS**

### Compliance
- In compliance with UL Standard 1598, UL8750.

c(UL)us

### Dimensions - Area - Weight

| Height | Width | Lenght | Weight | EPA |
|---|---|---|---|---|
| 23 5/8" | 3 3/8" | 16" | 28.66 lb | 0.99 ft$^2$ |

### Materials
- Extruded aluminum.
- Cast aluminum.
- Aluminum sheet.
- Steel sheet.
- Extra-clear transparent flat glass.
- Stainless and burnished steel screws.

### Structure - Main components
- External frame in extruded aluminum.
- Integrated heat sink in aluminum.
- Anchors bolts supplied.
- Suitable for wet location.

### Flange mounting
- Rectangular flange 150 x 77 mm (thickness 5 mm) for mounting with four anchors bolts.

### Electrical data
- Voltage: 120-277V (universal).
- Rated power: from 5.0 W to 9.3 W.
- Frequency: 50/60Hz.
- Protection rating: IP66, IK08 (Transparent glass).
- Operating temp.: -31°F / +122°F.
- Electronic power supply with protection against short circuits, overheating and power surges with an estimated duration of 100,000 h.
- Supplied with power cable.
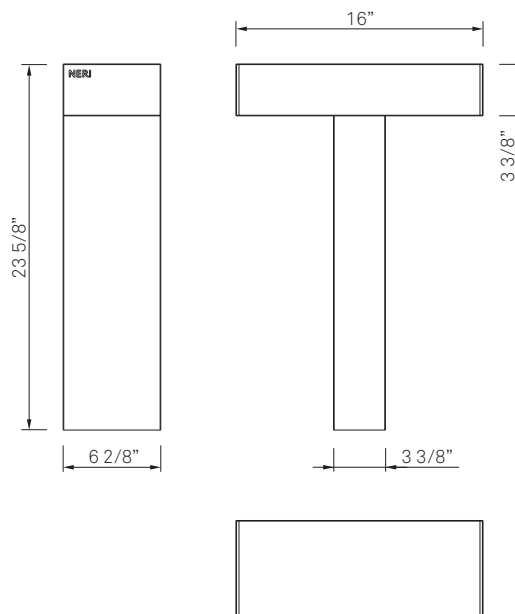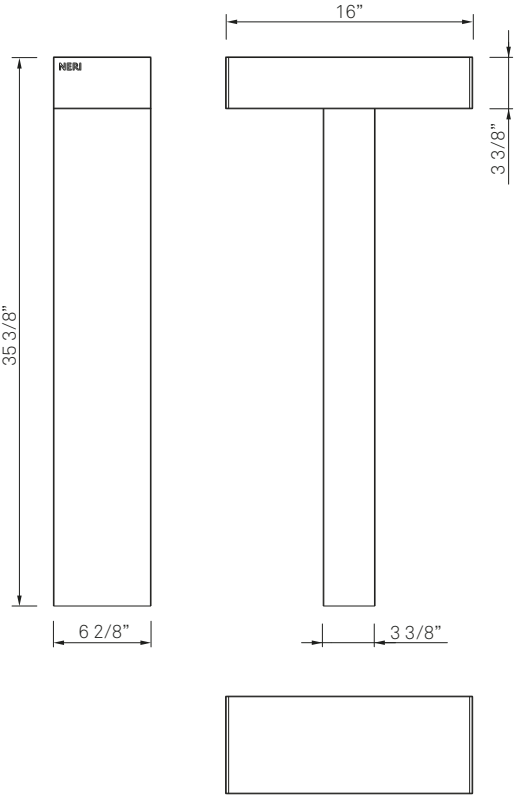- Standard surge protection 10kV/10kV.

### Painting
- Standard colors: Neri grey, pure white (RAL9010), jet black (RAL9005), moss green (RAL6005), white aluminum (RAL9006), grey aluminum (RAL9007).

### Operation and maintenance
- Periodic maintenance for the external cleaning of the structure and the screeens from dust and smog and tightening control to the support.

### Accessories (on request)
- Quick connector.
- PIR presence detector.
- Prismatic flat glass.

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## BOLLARD H 35 3/8" - DOUBLE LIGHT SOURCES

**DRAWINGS**

Compliance
- In compliance with UL Standard 1598, UL8750.

**Dimensions - Area - Weight**

| Height | Width | Lenght | Weight | EPA |
|---|---|---|---|---|
| 35 3/8" | 3 3/8" | 16" | 28.66 lb | 1.14 ft$^2$ |

Materials
- Extruded aluminum.
- Cast aluminum.
- Aluminum sheet.
- Steel sheet.
- Extra-clear transparent flat glass.
- Stainless and burnished steel screws.

Structure - Main components
- External frame in extruded aluminum.
- Integrated heat sink in aluminum.
- Anchors bolts supplied.
- Suitable for wet location.

Flange mounting
- Rectangular flange 150 x 77 mm (thickness 5 mm) for mounting with four anchors bolts.

Electrical data
- Voltage: 120-277V (universal).
- Rated power: from 5.0 W to 9.3 W.
- Frequency: 50/60Hz.
- Protection rating: IP66, IK08 (Transparent glass).
- Operating temp.: -31°F / +122°F.
- Electronic power supply with protection against short circuits, overheating and power surges with an estimated duration of 100,000 h.
- Supplied with power cable.
- Standard surge protection 10kV/10kV.

Painting
- Standard colors: Neri grey, pure white (RAL9010), jet black (RAL9005), moss green (RAL6005), white aluminum (RAL9006), grey aluminum (RAL9007).

Operation and maintenance
- Periodic maintenance for the external cleaning of the structure and the screeens from dust and smog and tightening control to the support.

Accessories (on request)
- Quick connector.
- PIR presence detector.
- Prismatic flat glass.

# NERI
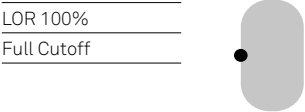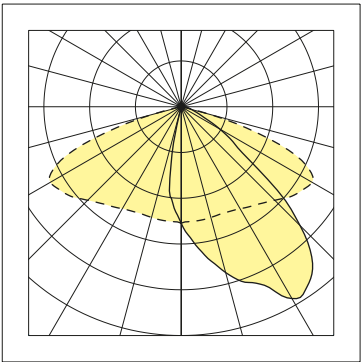
**STANDARD | TRANSPARENT GLASS**
Standard version is equipped with two lighting distribution and two lumen output choices. Light distributions available are asymmetric (Types: II, IV); lumen outputs range from 550lm to 1,000lm.

Optical features
- LED Type: Lumileds Luxeon 5050
  Source efficiency LED: 164 lm/W
  @ Tj=25°C, 800 mA, 3000K
  Source efficiency LED: 169 lm/W
  @ Tj=25°C, 800 mA, 4000K
- Lumen output: from 550 to 1,000 lm.
- Color temperature: 3,000K or 4,000K
  (2,200K, 2,700K and Amber on request).
- Chromatic Rendering Index: > 80
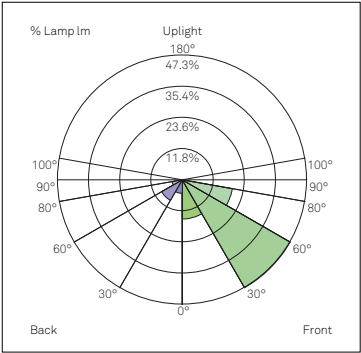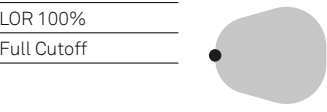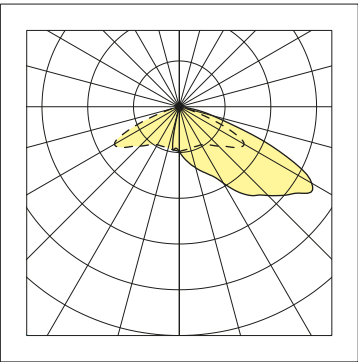- Estimated life: 100,000 hours
  (L90 - Tq25°C).

**DRIVER FUNCTION:**

**Description**

**0-10V + NCL**
(Analogic control + Neri Constant Lumen)

**ON/OFF + NCL**
(On / Off + Neri Constant Lumen)

Note: The double light sources configuration requires the same parameters for both light sources (optical configuration, luminous flux and driver function).

| 3,000K | | |
|---|---|---|
| lm tot | W tot | lm/W |
| 550 | 5.2 | 105 |
| 1,000 | 9.3 | 108 |

| 4,000K | | |
|---|---|---|
| lm tot | W tot | lm/W |
| 550 | 5.0 | 110 |
| 1,000 | 8.8 | 113 |

---

**Type II - D**
Distribution type: Asymmetric



LOR 100%

Full Cutoff



| LCS Zone | Angles | % Lamp | % Lum |
|---|---|---|---|
| FL | 0° - 30° | 14.9 | 14.9 |
| FM | 30° - 60° | 47.3 | 47.3 |
| FH | 60° - 80° | 19.3 | 19.3 |
| FVH | 80° - 90° | 0.5 | 0.5 |
| BL | 0° - 30° | 5.1 | 5.1 |
| BM | 30° - 60° | 9.0 | 9.0 |
| BH | 60° - 80° | 3.9 | 3.9 |
| BVH | 80° - 90° | 0.1 | 0.1 |
| UL | 90° - 100° | 0.0 | 0.0 |
| UH | 100° - 180° | 0.0 | 0.0 |
| Totals | | 100.0 | 100.0 |
| 1,000lm - BUG: B0 U0 G0 | | | |

**Type IV - A**
Distribution type: Forward throw



LOR 100%

Full Cutoff
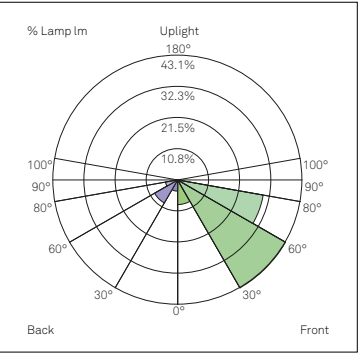


| LCS Zone | Angles | % Lamp | % Lum |
|---|---|---|---|
| FL | 0° - 30° | 8.5 | 8.5 |
| FM | 30° - 60° | 43.1 | 43.1 |
| FH | 60° - 80° | 30.1 | 30.1 |
| FVH | 80° - 90° | 0.9 | 0.9 |
| BL | 0° - 30° | 3.9 | 3.9 |
| BM | 30° - 60° | 9.2 | 9.2 |
| BH | 60° - 80° | 4.2 | 4.2 |
| BVH | 80° - 90° | 0.2 | 0.2 |
| UL | 90° - 100° | 0.0 | 0.0 |
| UH | 100° - 180° | 0.0 | 0.0 |
| Totals | | 100.0 | 100.0 |
| 1,000lm - BUG: B0 U0 G0 | | | |

# NERI

| Project location: | | Bollard type: | |
|---|---|---|---|
| Project name: | | | |
| Model code #: | Date | Rev.02 | 01/2024 |

## BOLLARD H 8' 2 2/4"

### Compliance
- In compliance with UL Standard 1598, UL8750.

cULus

### Dimensions - Area - Weight

| Height | Width | Lenght | Weight | EPA |
|---|---|---|---|---|
| 8' 2 2/4" | 3 3/8" | 9 5/8" | 45.19 lb | 2.90 ft$^2$ |

### Materials
- Extruded aluminum.
- Cast aluminum.
- Aluminum sheet.
- Steel sheet.
- Prismatic flat glass.
- Stainless and burnished steel screws.

### Structure - Main components
- External frame in extruded aluminum.
- Integrated heat sink in aluminum.
- Anchors bolts supplied.
- Suitable for wet location.

### Flange mounting
- Rectangular flange 150 x 77 mm (thickness 5 mm) for mounting with four anchors bolts.
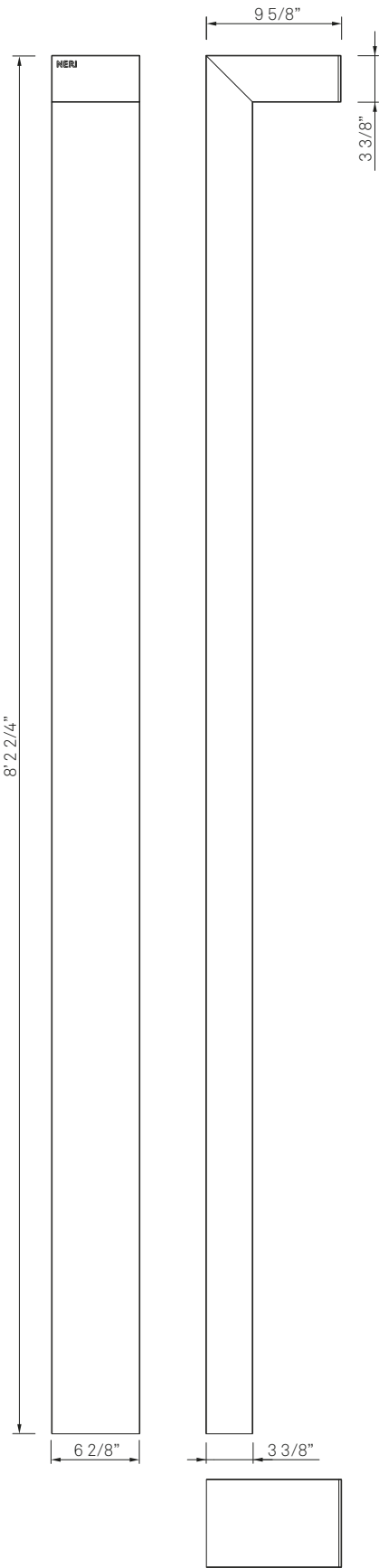
### Electrical data
- Voltage: 120-277V (universal).
- Rated power: from 5.0 W to 9.3 W.
- Frequency: 50/60Hz.
- Protection rating: IP66, IK06 (Prismatic glass).
- Operating temp.: -31°F / +122°F.
- Electronic power supply with protection against short circuits, overheating and power surges with an estimated duration of 100,000 h.
- Supplied with power cable.
- Standard surge protection 10kV/10kV.

### Painting
- Standard colors: Neri grey, pure white (RAL9010), jet black (RAL9005), moss green (RAL6005), white aluminum (RAL9006), grey aluminum (RAL9007).

### Operation and maintenance
- Periodic maintenance for the external cleaning of the structure and the screeens from dust and smog and tightening control to the support.

### Accessories (on request)
- Quick connector.
- PIR presence detector.
- Extra-clear transparent flat glass.
- Decorative LED module.

## DRAWINGS



9 5/8"

3 3/8"

8' 2 2/4"

NERI

6 2/8"

3 3/8"

# NERI

| Project location: | | Bollard type: | |
|---|---|---|---|
| Project name: | | | |
| Model code #: | Date | Rev.02 | 01/2024 |

## BOLLARD H 8' 2 2/4" – DOUBLE LIGHT SOURCES

**DRAWINGS**

### Compliance
- In compliance with UL Standard 1598, UL8750.

c(UL)us

### Dimensions – Area – Weight

| Height | Width | Lenght | Weight | EPA |
|---|---|---|---|---|
| 8' 2 2/4" | 3 3/8" | 16" | 48.50 lb | 3.08 ft$^2$ |

### Materials
- Extruded aluminum.
- Cast aluminum.
- Aluminum sheet.
- Steel sheet.
- Prismatic flat glass.
- Stainless and burnished steel screws.

### Structure - Main components
- External frame in extruded aluminum.
- Integrated heat sink in aluminum.
- Anchors bolts supplied.
- Suitable for wet location.

### Flange mounting
- Rectangular flange 150 x 77 mm (thickness 5 mm) for mounting with four anchors bolts.

### Electrical data
- Voltage: 120-277V (universal).
- Rated power: from 5.0 W to 9.3 W.
- Frequency: 50/60Hz.
- Protection rating: IP66, IK06 (Prismatic glass).
- Operating temp.: -31°F / +122°F.
- Electronic power supply with protection against short circuits, overheating and power surges with an estimated duration of 100,000 h.
- Supplied with power cable.
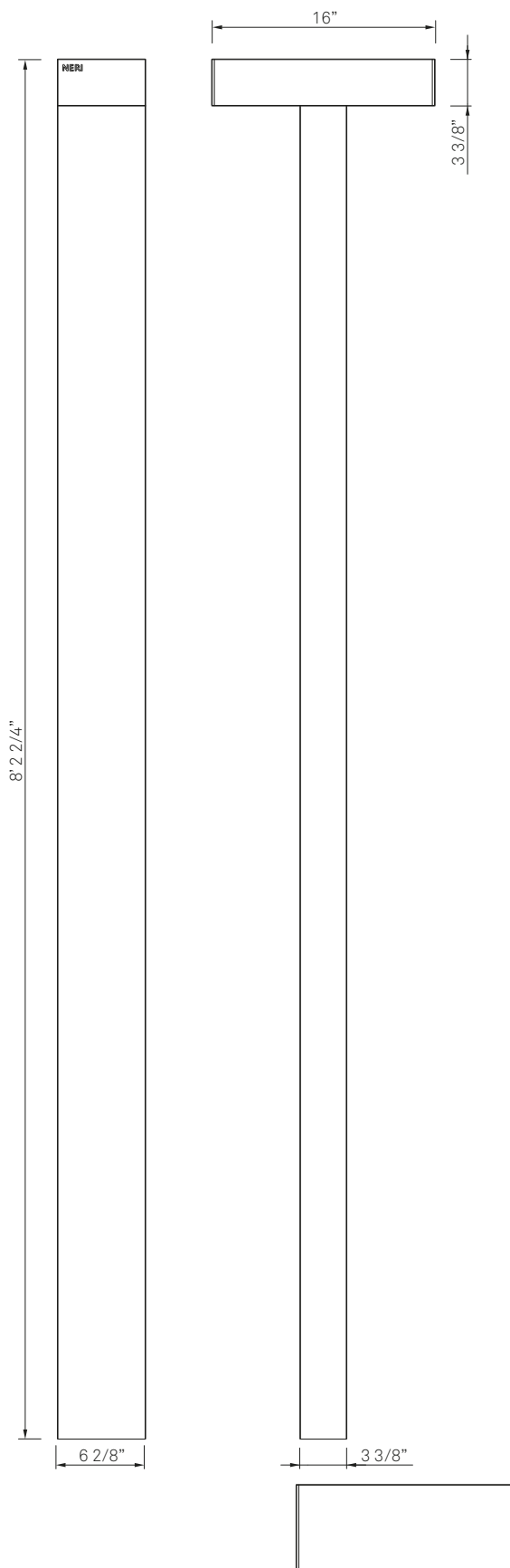- Standard surge protection 10kV/10kV.

### Painting
- Standard colors: Neri grey, pure white (RAL9010), jet black (RAL9005), moss green (RAL6005), white aluminum (RAL9006), grey aluminum (RAL9007).

### Operation and maintenance
- Periodic maintenance for the external cleaning of the structure and the screeens from dust and smog and tightening control to the support.
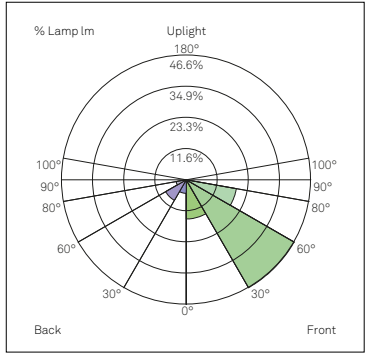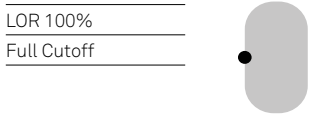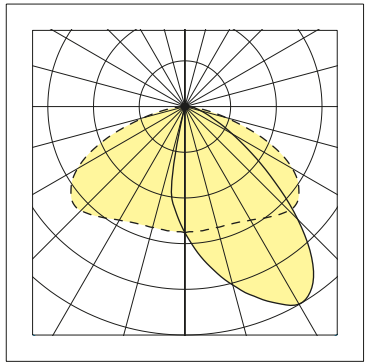
### Accessories (on request)
- Quick connector.
- PIR presence detector.
- Extra-clear transparent  flat glass.
- Decorative LED module.

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# NERI

## STANDARD | PRISMATIC GLASS

Standard version is equipped with two lighting distribution and two lumen output choices. Light distributions available are asymmetric (Types: II, IV); lumen outputs range from 1,500lm to 2,500lm.

Optical features
- LED Type: Lumileds Luxeon 5050
  Source efficiency LED: 164 lm/W
  @ Tj=25°C, 800 mA, 3000K
  Source efficiency LED: 169 lm/W
  @ Tj=25°C, 800 mA, 4000K
- Lumen output: from 1,500 to 2,500 lm.
- Color temperature: 3,000K or 4,000K
  (2,200K, 2,700K and Amber on request).
- Chromatic Rendering Index: > 80
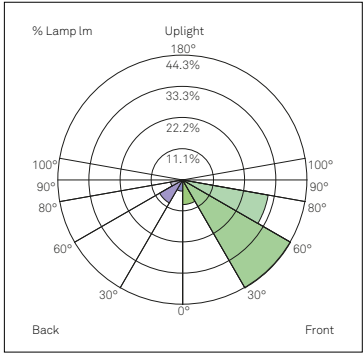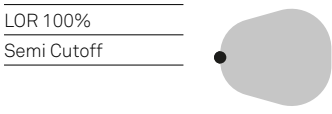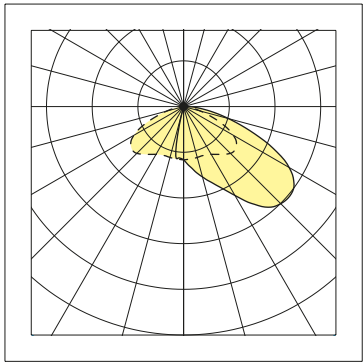- Estimated life: 100,000 hours
  (L90 - Tq25°C).

**DRIVER FUNCTION:**

**Description**

**0-10V + NCL**
(Analogic control + Neri Constant Lumen)

**ON/OFF + NCL**
(On / Off + Neri Constant Lumen)

Note: The double light sources configuration requires the same parameters for both light sources (optical configuration, luminous flux and driver function).
The maximum luminous flux allowed is 4,500lm.

### 3,000K

| lm tot | W tot | lm/W |
|---|---|---|
| 1,500 | 13.0 | 116 |
| 2,500 | 21.3 | 117 |

### 4,000K

| lm tot | W tot | lm/W |
|---|---|---|
| 1,500 | 12.4 | 121 |
| 2,500 | 20.2 | 124 |

---

### Type II - D
Distribution type: Asymmetric



LOR 100%

Full Cutoff





| LCS Zone | Angles | % Lamp | % Lum |
|---|---|---|---|
| FL | 0° - 30° | 16.3 | 16.3 |
| FM | 30° - 60° | 46.6 | 46.6 |
| FH | 60° - 80° | 16.4 | 16.4 |
| FVH | 80° - 90° | 1.3 | 1.3 |
| BL | 0° - 30° | 5.8 | 5.8 |
| BM | 30° - 60° | 9.8 | 9.8 |
| BH | 60° - 80° | 3.6 | 3.6 |
| BVH | 80° - 90° | 0.3 | 0.3 |
| UL | 90° - 100° | 0.0 | 0.0 |
| UH | 100° - 180° | 0.0 | 0.0 |
| Totals | | 100.0 | 100.0 |
| 1,000lm - BUG: B0 U0 G1 | | | |

### Type IV - A
Distribution type: Forward throw



LOR 100%

Semi Cutoff





| LCS Zone | Angles | % Lamp | % Lum |
|---|---|---|---|
| FL | 0° - 30° | 10.0 | 10.0 |
| FM | 30° - 60° | 44.3 | 44.3 |
| FH | 60° - 80° | 24.2 | 24.2 |
| FVH | 80° - 90° | 2.3 | 2.3 |
| BL | 0° - 30° | 4.7 | 4.7 |
| BM | 30° - 60° | 10.2 | 10.2 |
| BH | 60° - 80° | 3.9 | 3.9 |
| BVH | 80° - 90° | 0.3 | 0.3 |
| UL | 90° - 100° | 0.0 | 0.0 |
| UH | 100° - 180° | 0.0 | 0.0 |
| Totals | | 100.0 | 100.0 |
| 1,000lm - BUG: B0 U0 G1 | | | |

# NERI

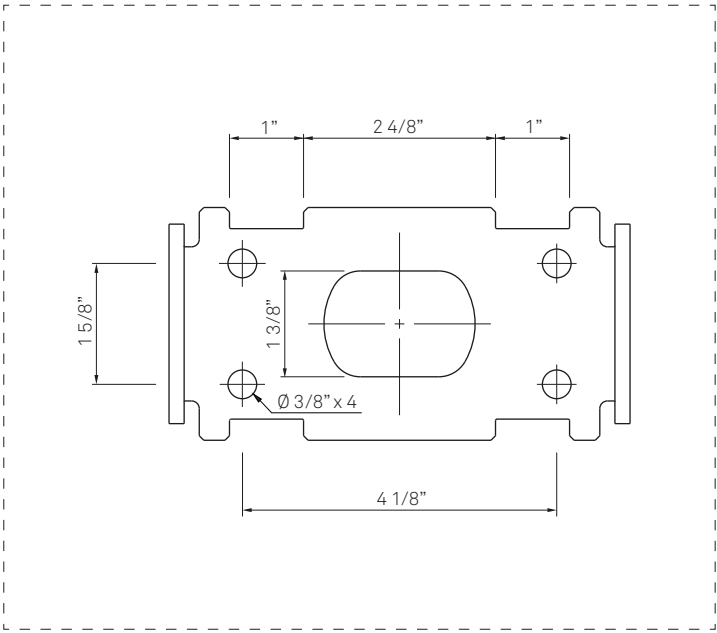## MOUNTING

The system is set-up for mounting with rectangular flange (anchors bolts supplied).

Mounting with flange



Cod. 9525.389.013

Flange detail



1"      2 4/8"      1"

1 5/8"

1 3/8"

Ø 3/8" x 4

4 1/8"
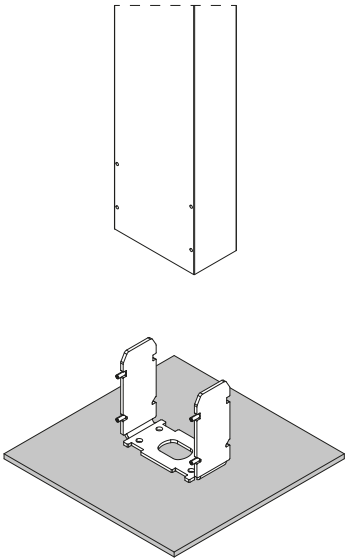
## DECORATIVE LED MODULE

The Pictor bollard system allows the installation of a decorative LED module*; the module is equipped with a customizable protection screen. The available dimensions are 3' 3 1/4" x 3 1/8" and 12 5/8" x 3 1/8".

Available CCT:
3,000K - 4,000K- RGB

Driver functions
ON-OFF, DMX

*Only one decorative LED module can be installed in each chosen configuration. The module can be positioned at a minimum height of 5' 3" on the front frame (Fig. 1) or on the rear frame (hand hole) (Fig. 2).

**Decorative LED module (h 12 5/8")**
Cod. OPPIC0000S000002 - 3,000K
Cod. OPPIC0000S000003 - 4,000K
Cod. OPPIC0000S000004 - RGB

**Decorative LED module (h 3' 3 1/4")**
Cod. OPPIC0000S000005 - 3,000K
Cod. OPPIC0000S000006 - 4,000K
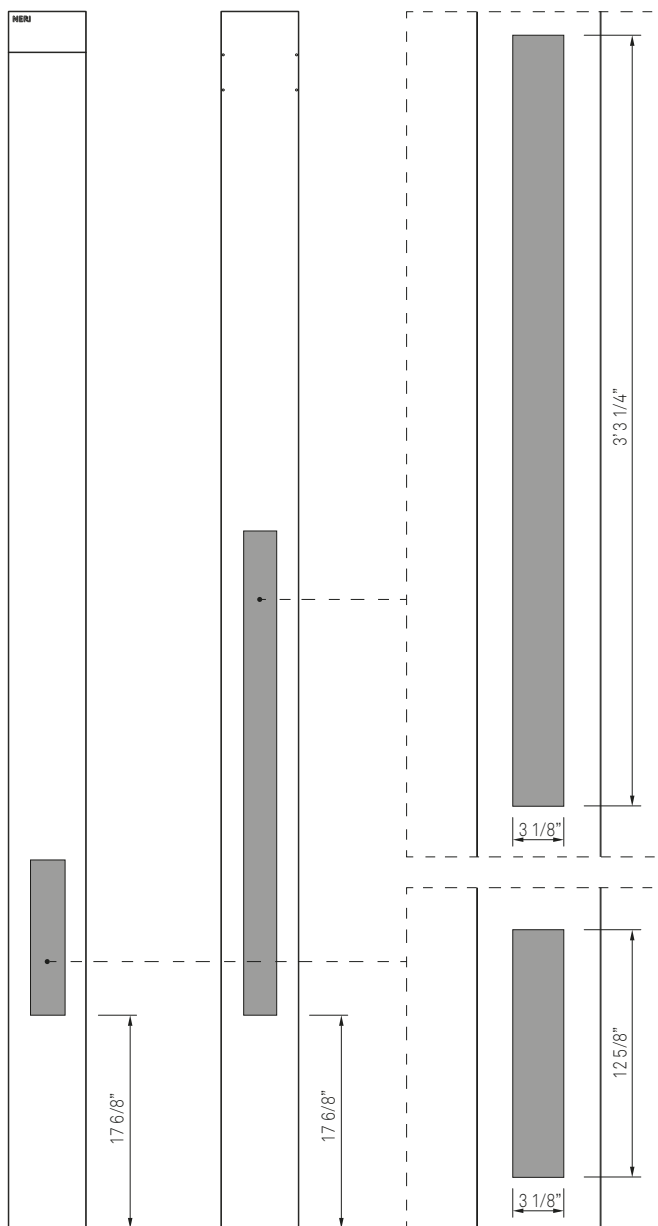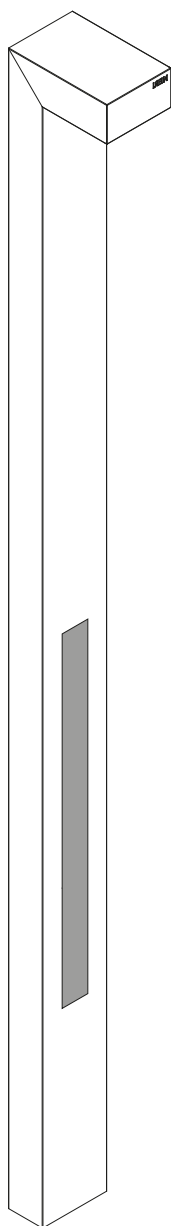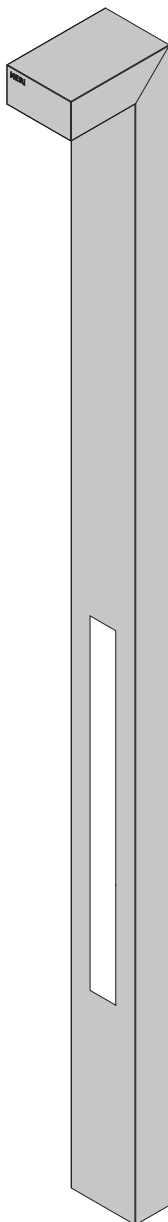Cod. OPPIC0000S000007 - RGB

Fig. 1

Fig. 2

# NERI

## PICTOR BOLLARD

The Pictor bollard system allows numerous configurations. The number of luminaires and accessories varies according to the main structure of the chosen post.

**PICTOR BOLLARD CONFIGURATION #** _____

Luminaire configuration number to be also written in the lamp post configuration page.

### ☐ PICTOR BOLLARD - POST

**Bollard height**

☐ 23 5/8"          ☐ 35 3/8"

☐ 8' 2 2/4"

### ☐ PICTOR BOLLARD - LUMINAIRES

**Luminaires number**

☐ 1 - Single light source

☐ 2 - Double light sources

### ☐ PICTOR BOLLARD - LUMINAIRE CONFIGURATION

| Optic system | CCT | Lumen output | Driver function | Aperture lens |
|---|---|---|---|---|
| ☐ Type II | ☐ 3,000K | ☐ 550 | ☐ 0-10V + NCL | ☐ Transparent flat glass |
| ☐ Type IV | ☐ 4,000K | ☐ 1,000 | ☐ ON/OFF + NCL | ☐ Prismatic flat glass |
| | ☐ 2,200K* | ☐ 1,500** | | |
| | ☐ 2,700K* | ☐ 2,500** | | |
| | ☐ Amber* | | | |

\* On request   ** Available only with bollard h 8' 2 2/4". For further informations check the light sources configuration page.

### ☐ PICTOR BOLLARD - DECORATIVE LED MODULE

**Dimensions and CCT***

☐ 12 5/8" x 3 1/8"          ☐ 3,000K

☐ 3' 3 1/4" x 3 1/8"        ☐ 4,000K

                                          ☐ RGB

*Only one decorative LED module can be installed in each chosen configuration. The module can be positioned at a minimum height of 17 6/8" on the front frame or on the rear frame (hand hole).

### ☐ PICTOR BOLLARD - ACCESSORIES

**Available accessories on request**

☐ PIR Presence detector

☐ Quick connector

### ☐ PICTOR BOLLARD - COLOR

**Paint choice**

☐ Neri grey                              ☐ Pure White (RAL9010)

☐ Jet Black (RAL9005)              ☐ Moss Green (RAL6005)

☐ Grey Aluminum (RAL9007)    ☐ White Aluminum (RAL9006)