

Project location:	
Project name:	
Model code #:	Date

Fixture type:	nerinorthamerica.com

DESCRIPTION:

Circular shaped light fixture for upright installation on head post or bracket, with support in hot galvanized steel and body in die cast and sheet aluminium. Tilting upper frame for acces to auxiliary and optic compartment. Electrical components on removable plate. Optic system asymmetric with refractive lens in polycarbonate extraclear (UV resistant), with also function screen. Light source with LED module (power led's), combined to a internal large heat sink in aluminium for optimal control of temperature and self regulating power rated for a operative life of over 80,000 hours (15 years). The Light 21, require low-maintenance due to Leds sources and IP66, and is ideally for illuminating urban streets, park, cycle paths or pedestrian walkways. The suggested height of installation from 11.5' to 16.5'.

LIGHT 22

LED Source - Comfort range - Contemporary

Voltage = 120-277, 50/60 Hz

EPA = 0.565 ft²

Weight = 25.35 lb (11.5 Kg)

Height (A) = 1' - 3 3/8" (690 mm)

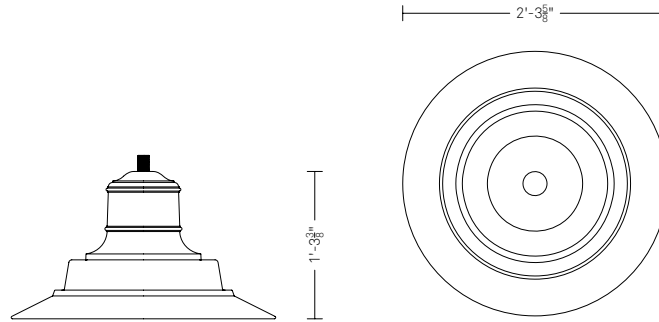
Diameter (Ø) = 2' - 3 5/8" (550 mm)



Compliance:
UL Standard 1598 CSA C22.2 no.250.0-8

MODEL:

code sample: PU223L021P202



Mounting	Series	Optic system	CCT	Lumen output	Driver function
SU = suspended	223L = series with flat screen	11 = type II Very Short 12 = type III Short	1 = 3,000K 3 = 4,000K	M2 = 6,000 lm M3 = 7,500 lm M4 = 9,000 lm M5 = 10,500 lm M6 = 12,000 lm	02 = 1-10V + NCL 06 = DALI + NCL 14 = 6 hours. aut. flux red. + NCL 71 = Manual dimming

SPECIFICATIONS:

Construction:

- Upper frame shaped and a visor in aluminum sheet.
- Lower frame ring in aluminum for the support of the Led module and screen .
- Suitable for wet location (IP 66).

Materials:

- Die-cast aluminium (ASTM B179-82)
- Sheet aluminium
- Hot galvanized steel
- Screen in acrylic frosted (shock resistance IK06)
- Brass and stainless steel screws.

Finish:

- Standard colour is dark grey NERI type.
- Information about paint steps used on this product in specific technical sheet.

Fastening:

- Suspended installation with threaded tube (G 3/4" -UNI 338;ISO 228/1).

Operation and maintenance:

- Follow the instructions for operation and maintenance.
- No maintenance is required, except a periodic cleaning of the screen from dust.

TECHNICAL DATA:

Electrical:

- Compliance: UL Standard 1598 - CSA C22,2 no.250.0.
- Voltage: 120-277V (Universal).
- Rated power: from 57W to 136W.
- Frequency: 50/60Hz.
- Protection rating:IP66
- Operating temp.: -22F° + 104°F (-30C° + 40°C).
- Electronic ballast with self-diagnostic function and monitoring for over temperatures.
- Estimated life: B10 at 80,000 hours.

Optical Features:

- Light source: power leds.
- Lumen output:from 6.000 to 12.000 lm
- Colour temperature: 3.000K or 4.000K
- Chromatic Rendering Index: CRI>70.
- Estimated life: 80.000 hours (L85 - Ta 25°C).
- Protection rating:IP66 (Optic).
- Heat sink in aluminium extruded for a optimal control of temperature with electronic sensor on LED plate for the control of over temperatures.
- Refractive lens in PC (UV resistant).
- IES classification: cat off.
- Shock resistance of screen:IK10

On demand features

- Painting:colour of RAL range.
- Information about paint steps used on this product in specific technical sheet.

CONFIGURATION TABLES:

Configuration tables of luminous fluxes.
The efficacy (lm/W) on table refers to the complete system.

3,000 K - Colour temperature			
Code	lm output	Watt	lm/W
1M1	6,000	61	95
1M2	7,500	79	92
1M3	9,000	100	87
1M4	10,500	124	82

4,000 K - Colour temperature			
Code	lm output	Watt	lm/W
3M2	6000	57	102
3M3	7500	73	100
3M4	9000	92	95
3M5	10500	113	90
3M6	12000	136	85

Configuration of driver functions

Code	Driver function
02	1-10V control + constant flux control (1-10V + NCL)
06	DALI control + constant flux control (DALI + NCL)
14	6 hours aut. flux reduction -30% + constant flux control (6H NVL + NCL)
71	Optional: Internal manual dimming control allowing up to 50% light reduction. Setup by qualified operator and with powerline disconnected.

Notes:

- NCL= (Neri Constant Lumen) control for maintenance is standard with all driver functions.

On request features:

- Painting with colours of RAL range.

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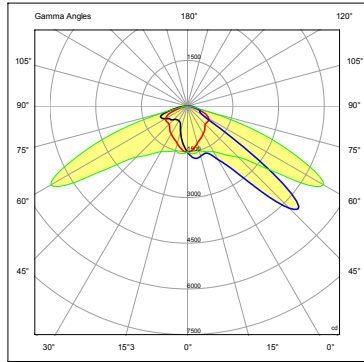
LIGHT 22

LED Source - Comfort range
Contemporary

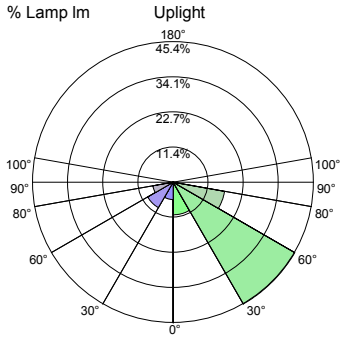
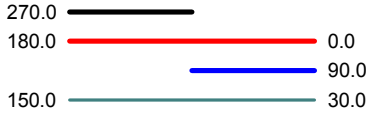
PHOTOMETRIC VALUE

LM-79 test and reports are performed in accordance with IESNA standards.

OPTIC NLG 11 - Type II Short



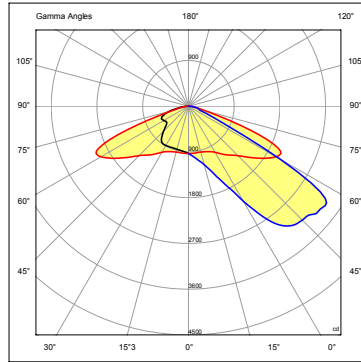
C Halfplanes



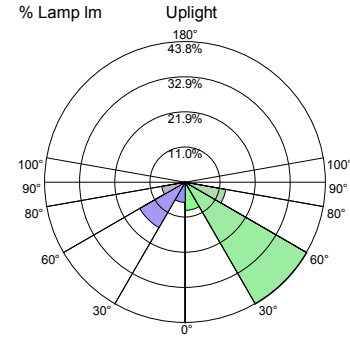
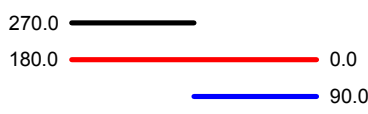
BackF ront

Luminaire Classification System (LCS)			
LCS Zone	Angles	% Lamp	% Lum
FL	0° - 30°	10.8 %	10.8 %
FM	30° - 60°	46.8 %	46.8 %
FH	60° - 80°	17.4 %	17.4 %
FVH	80° - 90°	1.3 %	1.3 %
BL	0° - 30°	5.8 %	5.8 %
BM	30° - 60°	9.8 %	9.8 %
BH	60° - 80°	6.8 %	6.8 %
BVH	80° - 90°	1.3 %	1.3 %
UL	90° - 100°	0.0 %	0.0 %
UH	100° - 180°	0.0 %	0.0 %
Totals		100.0 %	100.0 %
M2 - BUG: B1 U0 G1			
M3 - BUG: B2 U0 G2			
M4 - BUG: B2 U0 G2			
M5 - BUG: B2 U0 G2			
M6 - BUG: B2 U0 G2			

OPTIC NLG 12 - Type III Very Short



C Halfplanes



BackF ront

Luminaire Classification System (LCS)			
LCS Zone	Angles	% Lamp	% Lum
FL	0° - 30°	9.0 %	9.0 %
FM	30° - 60°	45.1 %	45.1 %
FH	60° - 80°	13.3 %	13.3 %
FVH	80° - 90°	0.9 %	0.9 %
BL	0° - 30°	6.5 %	6.5 %
BM	30° - 60°	16.8 %	16.8 %
BH	60° - 80°	7.6 %	7.6 %
BVH	80° - 90°	0.9 %	0.9 %
UL	90° - 100°	0.0 %	0.0 %
UH	100° - 180°	0.0 %	0.0 %
Totals		100.0 %	100.0 %
M2 - BUG: B2 U0 G1			
M3 - BUG: B2 U0 G2			
M4 - BUG: B2 U0 G2			
M5 - BUG: B2 U0 G2			
M6 - BUG: B2 U0 G2			