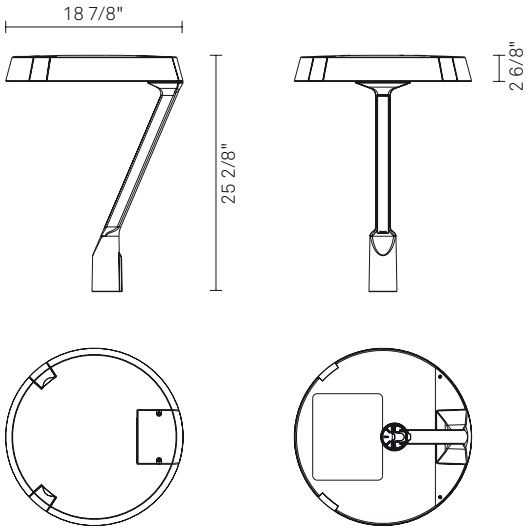
NERI

Project location:	Fixture type:
Project name:	
Model code #: Date	Rev. 05/2025

Polis Top

Source	LED
Voltage	120-277V
Frequency	50/60Hz
EPA	0.33ft²
Weight	20.94lb
Height	25 2/8"
Lenght	18 7/8"

Circular shaped lighting fixture for top post installation.
The Polis is ideally for illuminating urban streets, park, cycle paths or pedestrian walkways.



Compliance:
UL Standard 1598, UL8750

Mounting	Series	Optic system	CCT	Lumen output	Driver function	Screen
Post-top	LUPOL00	Type I	2,700K	2,500	0-10V + NCL	Trasparent glass
		Type II	3,000K	3,500	Manual dimming*	
		Type III	4,000K*	4,500		
		Type IV	Amber*	6,000		
		Type V		7,500		
				9,000		
				10,500		

SPECIFICATIONS:

Construction:
- Upper shell and lower skirt frame in die-cast aluminium.
- Internal reflector in PC.
- Shield in flat tempered glass with impact resistance IK09 (EN 62262).
- Integrated heat sink in die cast-aluminium.
- Gasket in EPDM between upper frame and screen.

Materials:
- Die-cast aluminium (UNI EN 1706).
- Steel sheet.
- Extra-clear transparent flat glass.
- Stainless steel screws.
- Polycarbonate (PC).

Finish:
- Powder coating.
- Standard colour: Neri Gray.

Mounting:
- Post top mounting on tubes Ø2 3/8", external diameter Ø3".

Operation and maintenance:
- Opening-closing without tools.
- Periodic maintenance for the external cleaning of the structure and the screens from dust and smog and tightening control to the support.

TECHNICAL DATA:

Electrical:
- Voltage: 120-277V (universal).
- Rated power: from 17.1 W to 75.5 W.
- Frequency: 50/60Hz.
- Protection rating: IP66, IK09.
- Operating temp.: -40°F / +122°F.
- Electronic power supply with protection against short circuits, overheating and power surges with an estimated duration of 100,000 h.
- Terminal block for wires with max. section of 0.038 in².
- Power cable supplied.
- Standard surge protection 10kV.

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 2,500 to 10,500lm.
- Color temperature: 2,700K or 3,000K - 4000K on request.
- Chromatic Rendering Index: > 70.
- Estimated life: 100,000 hours (L90 - Tq25°C).

DRIVER FUNCTION:

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

* On request

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STANDARD | TRASPARENT GLASS
Standard version is equipped with eight lighting distribution and seven lumen output choices. Light distributions available are symmetric and asymmetric (Types: I, II, III, IV, V); lumen outputs range from 2,500lm to 10,500lm.

* On demand

2700K

lm tot	W tot	lm/W
10500	78,7	133
9000	66,6	135
7500	57,1	131
6000	44,9	134
4500	34,0	132
3500	25,8	136
2500	17,7	141

3000K

lm tot	W tot	lm/W
10500	75,5	139
9000	63,9	141
7500	54,8	137
6000	43,1	139
4500	32,6	138
3500	23,8	147
2500	17,1	147

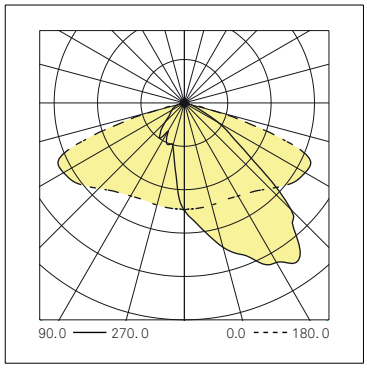
4000K*

lm tot	W tot	lm/W
10500	72,1	146
9000	61,1	147
7500	52,3	143
6000	41,2	146
4500	31,1	145
3500	22,8	153
2500	16,4	153

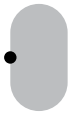
Amber*

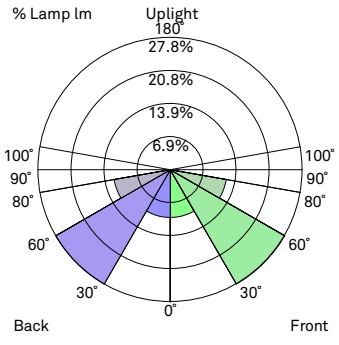
lm tot	W tot	lm/W
3,400	79	49

Type II -D
Distribution type: Asymmetric



LOR 100%
Cutoff

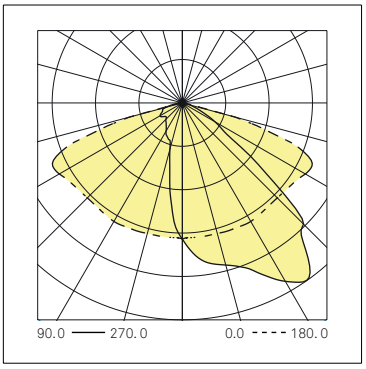




LCS Zone	Angles	% Lamp	% Lum
FL	0° - 30°	10.1	10.1
FM	30° - 60°	27.8	27.8
FH	60° - 80°	12.0	12.0
FVH	80° - 90°	0.2	0.2
BL	0° - 30°	10.1	10.1
BM	30° - 60°	27.8	27.8
BH	60° - 80°	12.0	12.0
BVH	80° - 90°	0.2	0.2
UL	90° - 100°	0.0	0.0
UH	100° - 180°	0.0	0.0
Totals		100.0	100.0

BUG: B3 U1 G3*

Type III - B
Distribution type: Asymmetric



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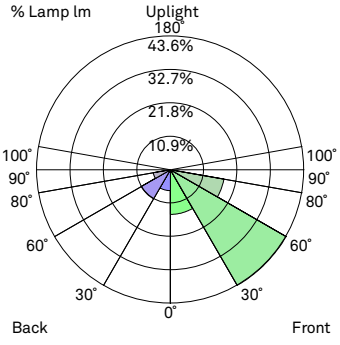
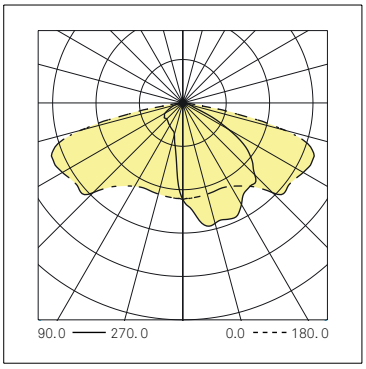


LCS Zone	Angles	% Lamp	% Lum
FL	0° - 30°	14.6	14.6
FM	30° - 60°	43.6	43.6
FH	60° - 80°	17.8	17.8
FVH	80° - 90°	0.2	0.2
BL	0° - 30°	6.8	6.8
BM	30° - 60°	11.0	11.0
BH	60° - 80°	5.7	5.7
BVH	80° - 90°	0.2	0.2
UL	90° - 100°	0.0	0.0
UH	100° - 180°	0.0	0.0
Totals		100.0	100.0

BUG: B2 U1 G2*

Type III - C
Distribution type: Asymmetric



LOR 96%
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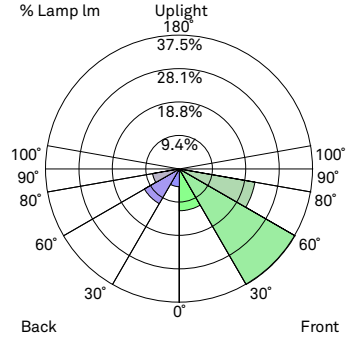
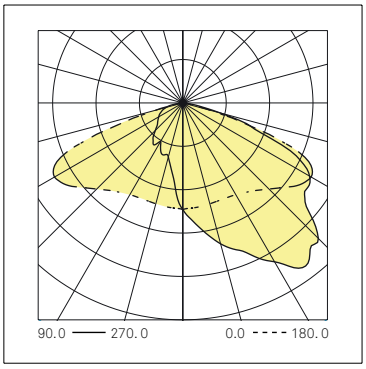


LCS Zone	Angles	% Lamp	% Lum
FL	0° - 30°	11.8	12.3
FM	30° - 60°	37.5	39.1
FH	60° - 80°	21.6	22.5
FVH	80° - 90°	0.9	0.9
BL	0° - 30°	5.0	5.2
BM	30° - 60°	11.3	11.8
BH	60° - 80°	7.6	7.9
BVH	80° - 90°	0.4	0.4
UL	90° - 100°	0.0	0.0
UH	100° - 180°	0.0	0.0
Totals		96.0	100.0

BUG: B3 U1 G3*

Type III - H
Distribution type: Asymmetric



LOR 98%
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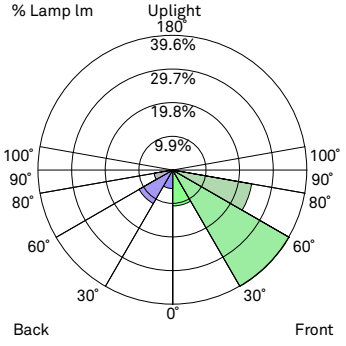

LCS Zone	Angles	% Lamp	% Lum
FL	0° - 30°	10.6	10.9
FM	30° - 60°	39.6	40.8
FH	60° - 80°	23.7	24.4
FVH	80° - 90°	0.4	0.4
BL	0° - 30°	5.5	5.6
BM	30° - 60°	11.4	11.8
BH	60° - 80°	5.6	5.7
BVH	80° - 90°	0.2	0.2
UL	90° - 100°	0.0	0.0
UH	100° - 180°	0.0	0.0
Totals		97.0	100.0

BUG: B2 U1 G2*

*This BUG classification is refers to max lumen output models. For a specific lumen output classification use supplied IES files.

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9000	63,9	141
7500	54,8	137
6000	43,1	139
4500	32,6	138
3500	23,8	147
2500	17,1	147

4000K*

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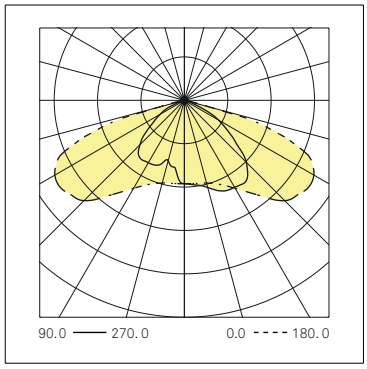
7500	52,3	143
6000	41,2	146
4500	31,1	145
3500	22,8	153
2500	16,4	153

Amber*

lm tot	W tot	lm/W
3,400	79	49

Type I - A
Distribution type: Asymmetric



LOR 100%
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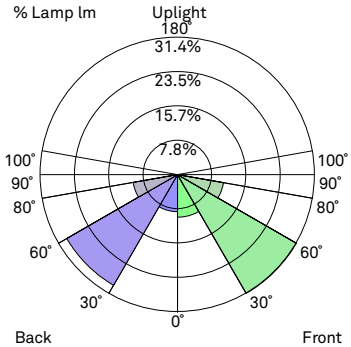
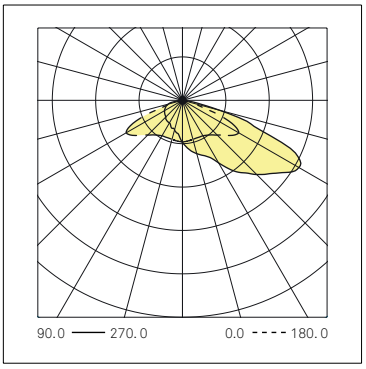


LCS Zone	Angles	% Lamp	% Lum
FL	0° - 30°	9.7	9.7
FM	30° - 60°	31.4	31.4
FH	60° - 80°	10.7	10.7
FVH	80° - 90°	0.1	0.1
BL	0° - 30°	8.5	8.5
BM	30° - 60°	29.2	29.2
BH	60° - 80°	10.3	10.3
BVH	80° - 90°	0.1	0.1
UL	90° - 100°	0.0	0.0
UH	100° - 180°	0.0	0.0
Totals		100.0	100.0

BUG: B3 U1 G3*

Type IV - A
Distribution type: Forward throw



LOR 95%
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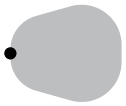
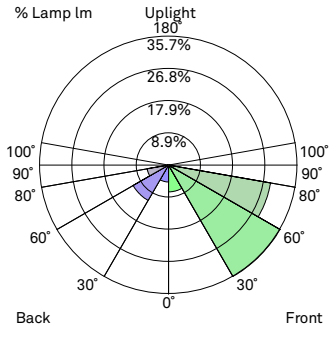
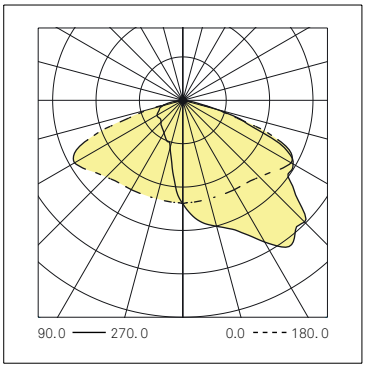




LCS Zone	Angles	% Lamp	% Lum
FL	0° - 30°	7.5	7.9
FM	30° - 60°	35.7	37.6
FH	60° - 80°	28.8	30.3
FVH	80° - 90°	0.6	0.7
BL	0° - 30°	4.7	5.0
BM	30° - 60°	11.3	11.9
BH	60° - 80°	6.0	6.3
BVH	80° - 90°	0.3	0.3
UL	90° - 100°	0.0	0.0
UH	100° - 180°	0.0	0.0
Totals		95.0	100.0

BUG: B2 U1 G2*

Type IV - C
Distribution type: Forward throw



LOR 97%
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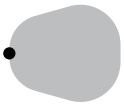
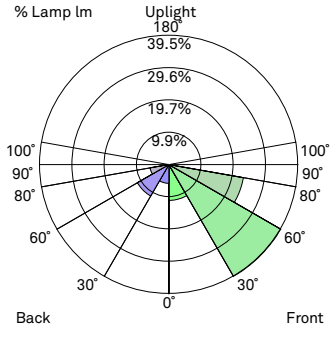
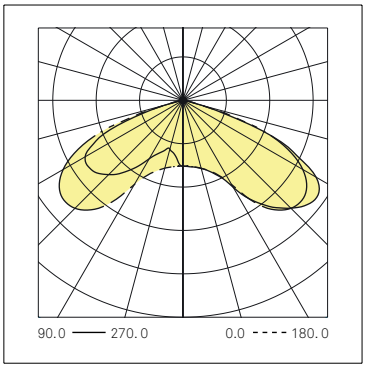




LCS Zone	Angles	% Lamp	% Lum
FL	0° - 30°	11.0	11.3
FM	30° - 60°	39.5	40.7
FH	60° - 80°	23.1	23.9
FVH	80° - 90°	0.4	0.5
BL	0° - 30°	5.8	5.9
BM	30° - 60°	11.1	11.5
BH	60° - 80°	5.8	6.0
BVH	80° - 90°	0.3	0.3
UL	90° - 100°	0.0	0.0
UH	100° - 180°	0.0	0.0
Totals		97.0	100.0

BUG: B2 U1 G2*

Type V - A
Distribution type: Rotosymmetric



LOR 97%
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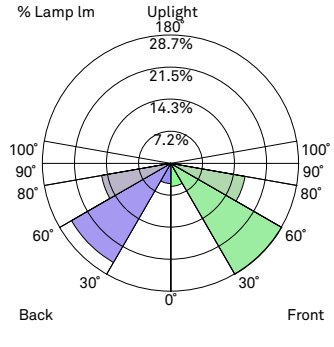

LCS Zone	Angles	% Lamp	% Lum
FL	0° - 30°	5.2	5.3
FM	30° - 60°	28.7	29.6
FH	60° - 80°	16.9	17.4
FVH	80° - 90°	0.2	0.2
BL	0° - 30°	4.5	4.7
BM	30° - 60°	25.6	26.4
BH	60° - 80°	15.7	16.2
BVH	80° - 90°	0.2	0.2
UL	90° - 100°	0.0	0.0
UH	100° - 180°	0.0	0.0
Totals		97.0	100.0

BUG: B3 U1 G3*

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