

DESCRIPTION

Product benefits

- LED Current < 450mA.
- Minimum IPEA index A7+.
- Automatic disconnector
- Standard surge protection for differential/common mode 10kV/10kV (CL I, CL II).
- Zhaga Book 18 connector and remote management
- Visual comfort.
- Disassemblable.
- Tool-less opening.
- IP66 internal kit.



Compliance

- In compliance with EN 60598-1; EN 60598-2-3; N 62031; EN 55015 EMC; EN 61547 EMC; EN 62471.

Mechanical information

Height	Width	Lenght	Weight	IP	IK	Area exposed to wind
850 mm	480 mm	480mm	14,0 Kg	43	09	0,275 m ²

Electrical characteristics

Voltage	Frequency	Cos ϕ	Insulation class	Operative Temp.
220-240V	50-60 Hz	> 0,9	CL II	-25°C / Ta*

- * Ta + 50°C | 1500lm - 4500lm, CCT 3000K / 4000K
Ta + 35°C | 1500lm - 6000lm, CCT 3000K / 4000K

- Classe I of insulation on request.

Connection

- Only suitable for post top mounting or bracket.
- Flange with Ø 28 mm hole on the lower frame.

Materials

- Die-cast aluminium(UNI EN 1706).
- Galvanised sheet steel.
- Cast brass.
- Polymethylmethacrylate frosted (PMMA).
- Stainless steel fasteners.
- Tempered glass

Structure - Main components

- Hexagonal tilting upper frame for access to the auxiliary and optical compartment, made of cast aluminium with six galvanised steel sheet infills and six decorative cast brass selvedges.
- Hexagonal bottom frame made of cast aluminium, with sextuple equipped with a flange with Ø 28 mm hole for fixing to the support.
- Internal cable passage along one upright.
- Easily removable galvanised steel cable holder plate.
- White polymethylmethacrylate reflector holder plate.
- Frosted side screens made of polymethylmethacrylate.
- Transparent tempered glass to protect the LEDs.

Electrical auxiliaries

- Electronic power supply with short-circuit, overtemperature and overvoltage protection with estimated life time B10 at 100,000 h.
- Automatic disconnection switch on opening.
- Terminal block for cables with max. 2.5 mm² cross-section.
- Standard surge protection for differential/common mode 10kV/10kV (CL I, CL II).

Operations - Maintenance

- Tool-less opening.
- Periodic maintenance for external cleaning of the structure and the screen from dust and smog and for checking the tightening of the product - refer to the product installation and maintenance manual.
- It is the responsibility of the installer to ensure correct installation and electrical connection in accordance with applicable regulations.

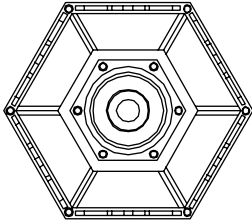
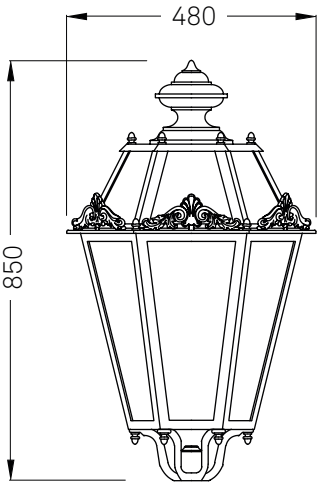
Painting

- Powder coating.
- Standard colour: Neri Gray

Accessories

- Zhaga connector
- Cable (no connector)

DRAWINGS



DESCRIPTION

Optic configuration - Transparent screen

Distribution type	Distribution type	LOR*	ULOR
Type I - A	Center Road	86,3%	13,7%
Type II - D	Asymmetric Road	86,3%	13,7%
Type III - B	Asymmetric Road	86,4%	13,6%
Type III - C	Asymmetric Road	86,4%	13,6%

- * optical efficiency of the device due to physical shielding.
- Modular (2 X 2) refractive lens in PMMA.
 - Maximum luminous intensity class $\gamma \geq 90^\circ$: $< 0.49 \text{ cd/klm}$.
 - Wide range of optical lighting distributions (on request).
 - Reflector in plastic material for luminous flux recovery and glare reduction.

Luminous Flux - 3000K

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
6000	62,9	95	24	2 x 418	56,7	106
4500	46,2	97	24	2 x 304	40,5	111
3500	34,2	102	24	2 x 232	30,5	115
2500	25,7	97	16	2 x 249	21,9	114
1500	15,0	100	16	2 x 145	12,5	120

Luminous Flux - 4000K

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
6000	60,0	100	24	2 x 398	53,9	111
4500	44,2	102	24	2 x 290	38,6	117
3500	32,8	107	24	2 x 221	29,0	121
2500	24,7	101	16	2 x 238	20,9	120
1500	14,4	104	16	2 x 139	12,0	125

- ** The energetic values in the table are referred to the LED + Power supply.
- CCT 2200K and 2700K on demand.
 - LED type: Lumileds Luxeon 5050
 - Source efficiency LED: 164 lm/W @ $T_j=25^\circ\text{C}$, 800 mA , 3000K
 - Source efficiency LED: 169 lm/W @ $T_j=25^\circ\text{C}$, 800 mA , 4000K
 - Life time specification for gradual light output degradation (EN 62722-2-1, LM80 data) $100,000\text{h}$ L90B10 ($T_q = 25^\circ\text{C}$)
 - Colour Rendering Index: ≥ 70 ; (≥ 80 on demand).
 - Maximum chromaticity variation equal to $\Delta u'v' \leq 0,003$
 - Photobiological risk: (IEC/TR 62778): RG1 Unlimited.

Driver functions

ON-OFF + NCL (On-Off + Neri Constant Lumen)

1-10V + NCL (Analogic control + Neri Constant Lumen)

DALI + NCL (Digital control + Neri Constant Lumen)

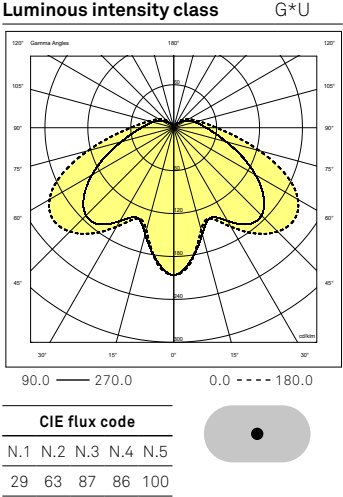
NVL6H + NCL (Autodimming -30% x 6h + Neri Constant Lumen)

AmpDim + NCL (Luminous flux regulator + Neri Constant Lumen)

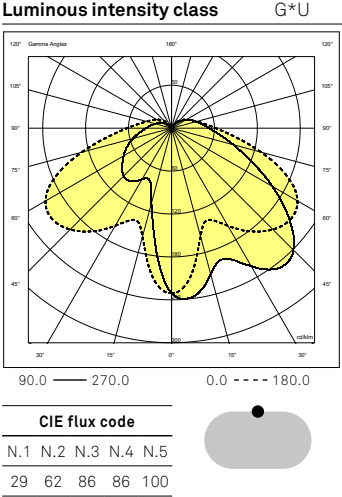
Zhaga connector + D4i

PHOTOMETRIC CURVES

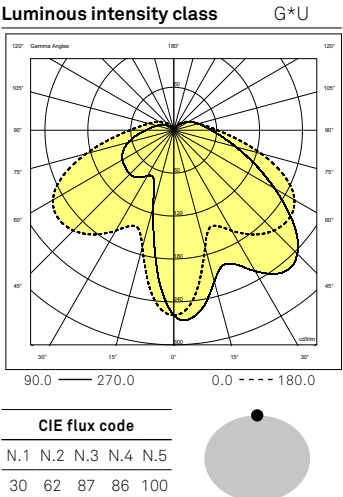
Type I - A



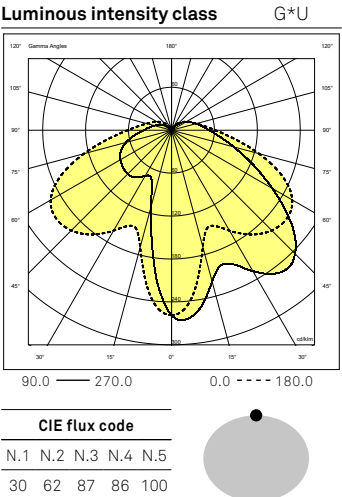
Type II - D



Type III - B



Type III - C



DESCRIPTION

Optic configuration - Transparent screen

Distribution type	Distribution type	LOR*	ULOR
Type III - H	Asymmetric Road	86,1%	13,9%
Type IV - A	Asymmetric Road	85,8%	14,2%
Type IV - C	Asymmetric Road	86,1%	13,9%
Type V - A	Rotosymmetric	86%	14%

- * optical efficiency of the device due to physical shielding.
- Modular (2 X 2) refractive lens in PMMA.
 - Maximum luminous intensity class $\gamma \geq 90^\circ$: $< 0.49 \text{ cd/klm}$.
 - Wide range of optical lighting distributions (on request).
 - Reflector in plastic material for luminous flux recovery and glare reduction.

Luminous Flux - 3000K

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
6000	62,9	95	24	2 x 418	56,7	106
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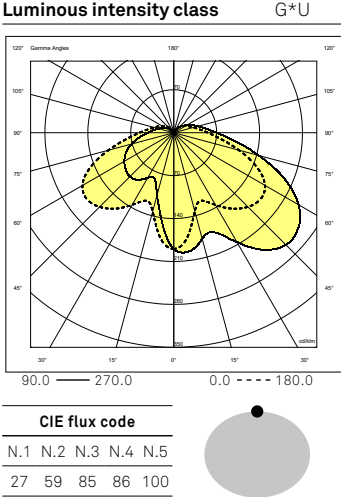
- ** The energetic values in the table are referred to the LED + Power supply.
- CCT 2200K and 2700K on demand.
 - LED type: Lumileds Luxeon 5050
 - Source efficiency LED: 164 lm/W @ $T_j=25^\circ\text{C}$, 800 mA , 3000K
 - Source efficiency LED: 169 lm/W @ $T_j=25^\circ\text{C}$, 800 mA , 4000K
 - Life time specification for gradual light output degradation (EN 62722-2-1, LM80 data) $100,000\text{h}$ L90B10 ($T_q = 25^\circ\text{C}$)
 - Colour Rendering Index: ≥ 70 ; (≥ 80 on demand).
 - Maximum chromaticity variation equal to $\Delta u'v' \leq 0,003$
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Driver functions

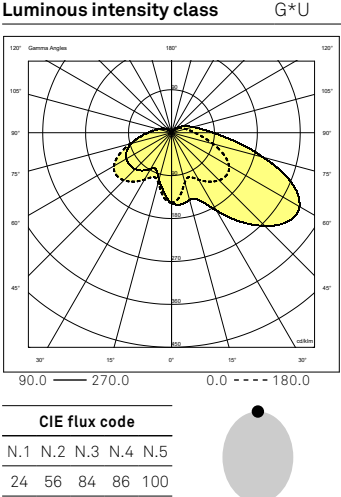
ON-OFF + NCL (On-Off + Neri Constant Lumen)
1-10V + NCL (Analogic control + Neri Constant Lumen)
DALI + NCL (Digital control + Neri Constant Lumen)
NVL6H + NCL (Autodimming -30% x 6h + Neri Constant Lumen)
AmpDim + NCL (Luminous flux regulator + Neri Constant Lumen)
Zhaga connector + D4i

PHOTOMETRIC CURVES

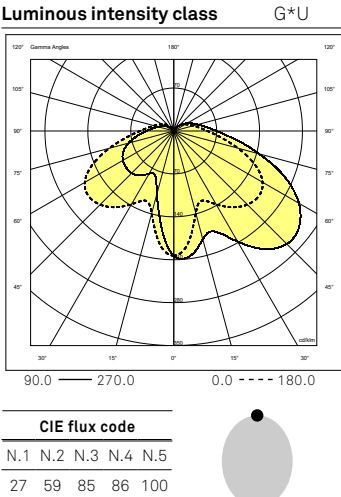
Type III - H



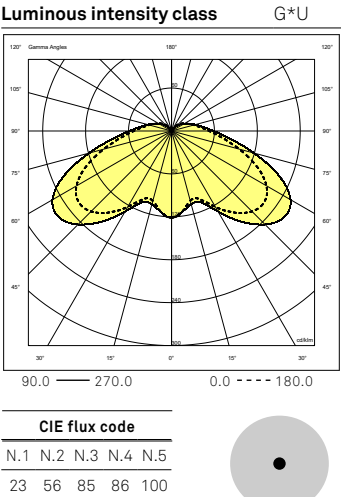
Type IV - A



Type IV - C



Type V - A



DESCRIPTION

Product benefits

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- Minimum IPEA index A7+.
- Automatic disconnector
- Standard surge protection for differential/common mode 10kV/10kV (CL I, CL II).
- Zhaga Book 18 connector and remote management
- Visual comfort.
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Compliance

- In compliance with EN 60598-1; EN 60598-2-3; N 62031; EN 55015 EMC; EN 61547 EMC; EN 62471.

Mechanical information

Height	Width	Lenght	Weight	IP	IK	Area exposed to wind
895 mm	480 mm	480mm	14,0 Kg	43	09	0,275 m ²

Electrical characteristics

Voltage	Frequency	Cos ϕ	Insulation class	Operative Temp.
220-240V	50-60 Hz	> 0,9	CL II	-25°C / Ta*

- * Ta + 50°C | 1500lm - 4500lm, CCT 3000K / 4000K
Ta + 35°C | 1500lm - 6000lm, CCT 3000K / 4000K

- Classe I of insulation on request.

Connection

- Threaded connection G 3/4" (ISO 228/1 BSP/G).
- Only suitable for suspended mounting.

Materials

- Die-cast aluminium(UNI EN 1706).
- Galvanised sheet steel.
- Cast brass.
- Polymethylmethacrylate frosted (PMMA).
- Stainless steel fasteners.
- Tempered glass

Structure - Main components

- Hexagonal tilting upper frame for access to the auxiliary and optical compartment, made of cast aluminium with six galvanised steel sheet infills and six decorative cast brass selvedges.
- Hexagonal bottom frame made of cast aluminium, with sextuple equipped with a flange with $\varnothing$ 28 mm hole for fixing to the support.
- Internal cable passage along one upright.
- Easily removable galvanised steel cable holder plate.
- White polymethylmethacrylate reflector holder plate.
- Frosted side screens made of polymethylmethacrylate.
- Transparent tempered glass to protect the LEDs.

Electrical auxiliaries

- Electronic power supply with short-circuit, overtemperature and overvoltage protection with estimated life time B10 at 100,000 h.
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Operations - Maintenance

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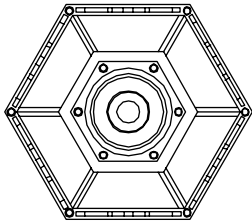
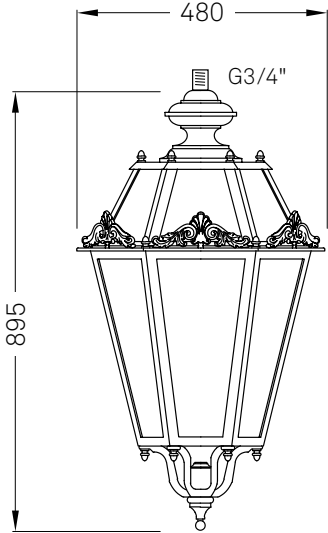
Painting

- Powder coating.
- Standard colour: Neri Gray

Accessories

- Zhaga connector
- Cable (no connector)

DRAWINGS



DESCRIPTION

Optic configuration - Transparent screen

Distribution type	Distribution type	LOR*	ULOR
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Luminous Flux - 3000K

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
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Luminous Flux - 4000K

System**		LED Module				
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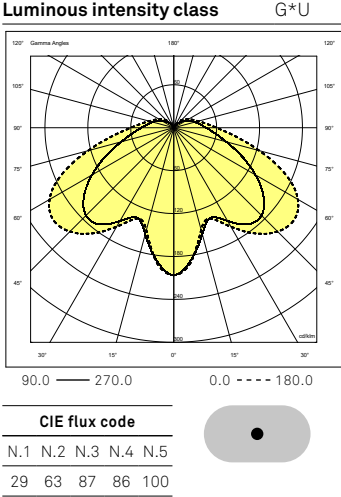
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 - Source efficiency LED: 164 lm/W @ $T_j=25^\circ\text{C}$, 800 mA , 3000K
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 - Life time specification for gradual light output degradation (EN 62722-2-1, LM80 data) $100,000\text{h}$ L90B10 ($T_q = 25^\circ\text{C}$)
 - Colour Rendering Index: ≥ 70 ; (≥ 80 on demand).
 - Maximum chromaticity variation equal to $\Delta u'v' \leq 0,003$
 - Photobiological risk: (IEC/TR 62778): RG1 Unlimited.

Driver functions

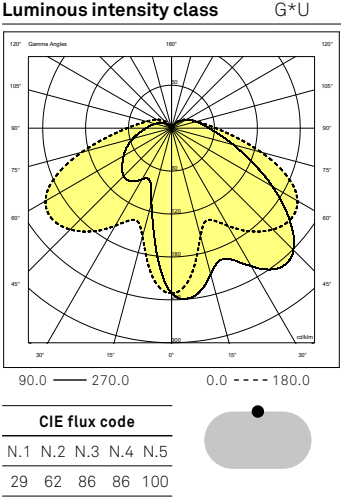
ON-OFF + NCL (On-Off + Neri Constant Lumen)
1-10V + NCL (Analogic control + Neri Constant Lumen)
DALI + NCL (Digital control + Neri Constant Lumen)
NVL6H + NCL (Autodimming -30% x 6h + Neri Constant Lumen)
AmpDim + NCL (Luminous flux regulator + Neri Constant Lumen)
Zhaga connector + D4i

PHOTOMETRIC CURVES

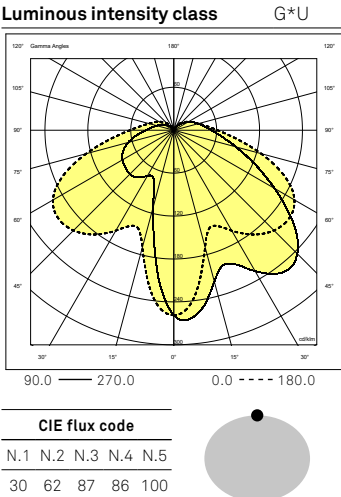
Type I - A



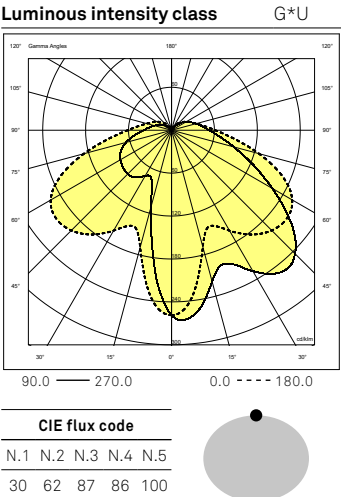
Type II - D



Type III - B



Type III - C



DESCRIPTION

Optic configuration - Transparent screen

Distribution type	Distribution type	LOR*	ULOR
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Type IV - C	Asymmetric Road	86,1%	13,9%
Type V - A	Rotosymmetric	86%	14%

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Luminous Flux - 3000K

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 - Source efficiency LED: 169 lm/W @ $T_j=25^\circ\text{C}$, 800 mA , 4000K
 - Life time specification for gradual light output degradation (EN 62722-2-1, LM80 data) $100,000\text{h}$ L90B10 ($T_q = 25^\circ\text{C}$)
 - Colour Rendering Index: ≥ 70 ; (≥ 80 on demand).
 - Maximum chromaticity variation equal to $\Delta u'v' \leq 0,003$
 - Photobiological risk: (IEC/TR 62778): RG1 Unlimited.

Driver functions

ON-OFF + NCL (On-Off + Neri Constant Lumen)

1-10V + NCL (Analogic control + Neri Constant Lumen)

DALI + NCL (Digital control + Neri Constant Lumen)

NVL6H + NCL (Autodimming -30% x 6h + Neri Constant Lumen)

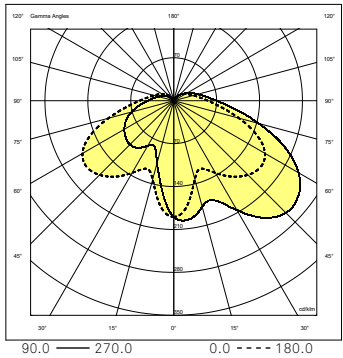
AmpDim + NCL (Luminous flux regulator + Neri Constant Lumen)

Zhaga connector + D4i

PHOTOMETRIC CURVES

Type III - H

Luminous intensity class G*U

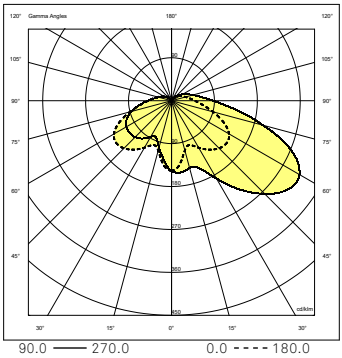


CIE flux code

N.1	N.2	N.3	N.4	N.5
27	59	85	86	100

Type IV - A

Luminous intensity class G*U

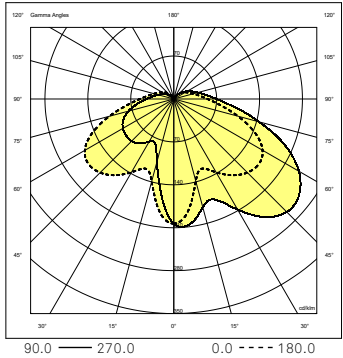


CIE flux code

N.1	N.2	N.3	N.4	N.5
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Type IV - C

Luminous intensity class G*U

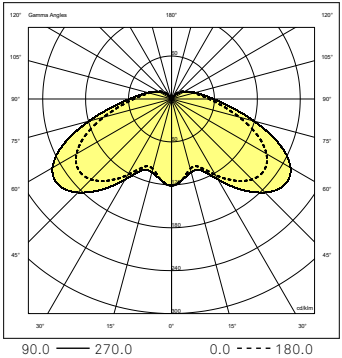


CIE flux code

N.1	N.2	N.3	N.4	N.5
27	59	85	86	100

Type V - A

Luminous intensity class G*U



CIE flux code

N.1	N.2	N.3	N.4	N.5
23	56	85	86	100