PUNTO VEGA

heper

PERFECT BEAM PROJECTORS; MEET PUNTO & VEGA PROJECTOR FAMILIES!

Projectors are vital elements for architectural outdoor lighting. A well-directed light source could make the difference in a project when it comes to accent lighting, such as highlighting an important object. For this purpose, we developed flexible projectors with well-defined beam angles using latest technology optics.

Even though LEDs came with highly advantageous features as light sources, they have their own design hardships. Since LEDs are directed light sources themselves, it is hard to direct the light at a certain degree beam angle. As a result, badly defined beam angles, non-homogenous light distribution with scattering, color inconsistencies could have emerged. That's why throughout the design process of Punto and Vega projector families, first design priority was always to be able to send the light exactly where and how it needs to be.

In addition to being composed of durable materials for tough outdoor conditions, for Punto and Vega projector series, an innovative optical technology called Hybrid is introduced. A lens and a reflector is combined to direct the light twice, controlling it exceptionally and getting rid of stray light. Combining high quality LEDs with Hybrid technology, well defined beam angles with color consistency is achieved.

Punto and Vega Hybrid projectors emerge with 4 different sizes and two beam angle options overall. These four sizes allow different lumen outputs whilst maintaining the same beam angles. It enables the same approach in the lighting design to be carried out all around the project, no matter how large or versatile it is.

The smallest size **Punto** projector's **Flexo** option allows even more flexibility with interchangeable lenses. Through these lenses up to 5 different beam angles are available from 10 degrees all the way up to 60. Additional lenses are also available serving different purposes such as color temperature shift and glare shield. This flexible structure allows designers to add last minute touches to their project on site.

01

TECHNOLOGY
HYBRID MODULE

HYBRID is a special designed optical system which combines the reflector with an additional lens which provides several advantages compared to the classical approach.

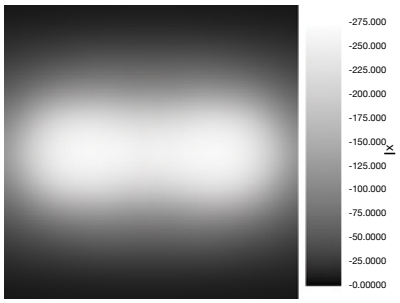
The system combines high efficiency with minimized luminance
in cut-off area. Comparing with the traditional lenses and reflectors, the optics is removable without harming the LEDs. In addition to that, the HYBRID is removable without any tool.

HYBRID
PERFECT BEAM ANGLE

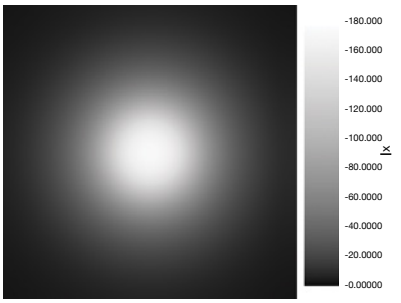
High performance LED chips with tight color consistency are used in Hybrid modules. With the combination of tight beam control chips and optimum PCB design, Hybrid module can minimise the scattering even further.

HYBRID has narrow and medium light distribution combining with ancillary lenses and micro-facetted reflector technology. The system is used in facade illumination, ambient lighting and accent lighting

0% scattering



0% scattering with secondary coverglass



5% scattering

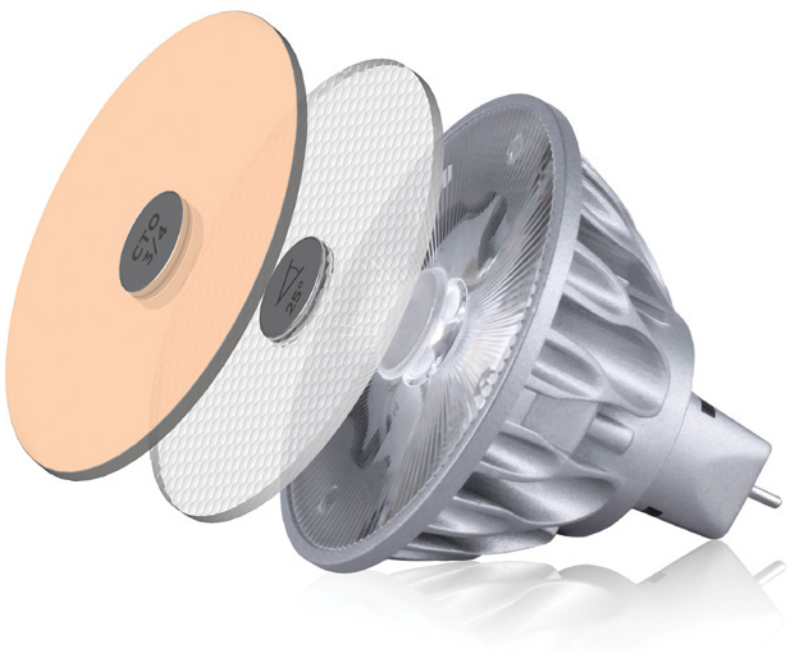
20% scattering

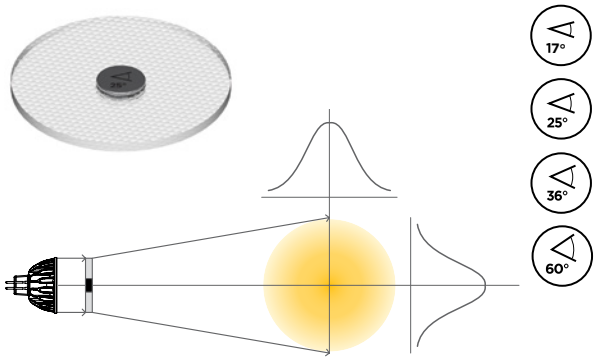
02

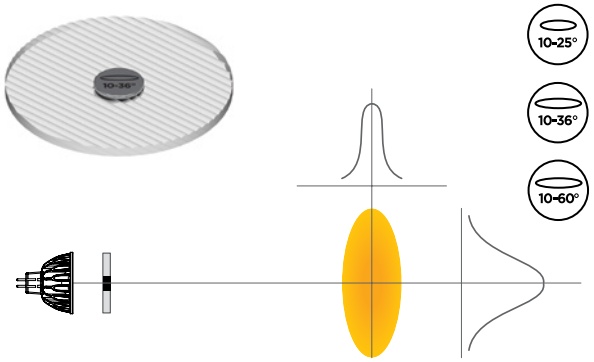
TECHNOLOGY
FLEXO MODULE

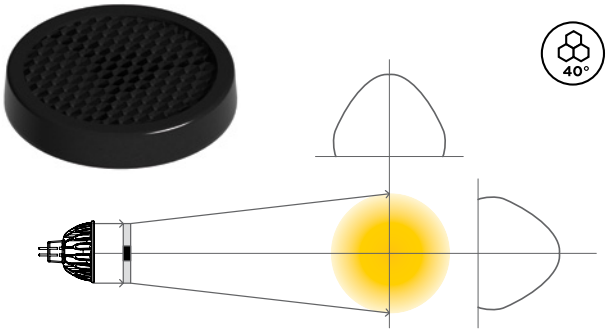
We always use the latest technology in order to keep up with the new developments. Flexo is a lamp/ accessory system that actually works as an integrated system. With our FLEXO products, it's just a matter of an additional snap-on lens in order to change the beam angle or color temperature of the luminaire. You can even change the spot or flood beam into rectangular or ellipse shape. All of this can be done while maintaining exceptionally high CRI values.

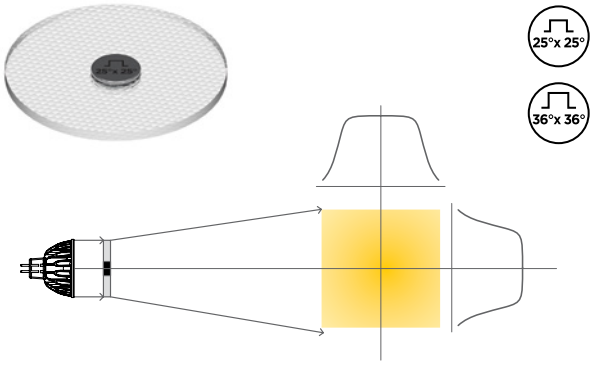
Additionally, to be able to give the end user a better experience with light, you can choose to use a Honeycomb accessory. No more glare!

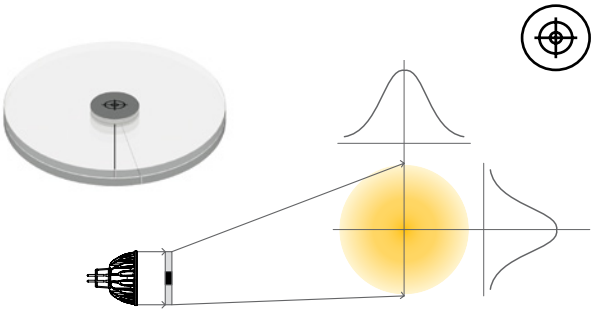



17°
25°
36°
60°


10-25°
10-36°
10-60°


40°


25°x 25°
36°x 36°



03

PUNTO
TECHNICAL SPECIFICATIONS

APPLICATION AREAS
- Facades
- Monuments
- Trees
- Columns

GENERAL HIGHLIGHTS
- Equipped with Heper's Hybrid Module
- Optimized beam angles for narrow and medium distribution
- Operating temperature: -30°C / +55°C
- Exceptional thermal characteristics
- Accessories for adaptable use
- In compliance with EN 60598
- CE Certified, ENEC and UL pending

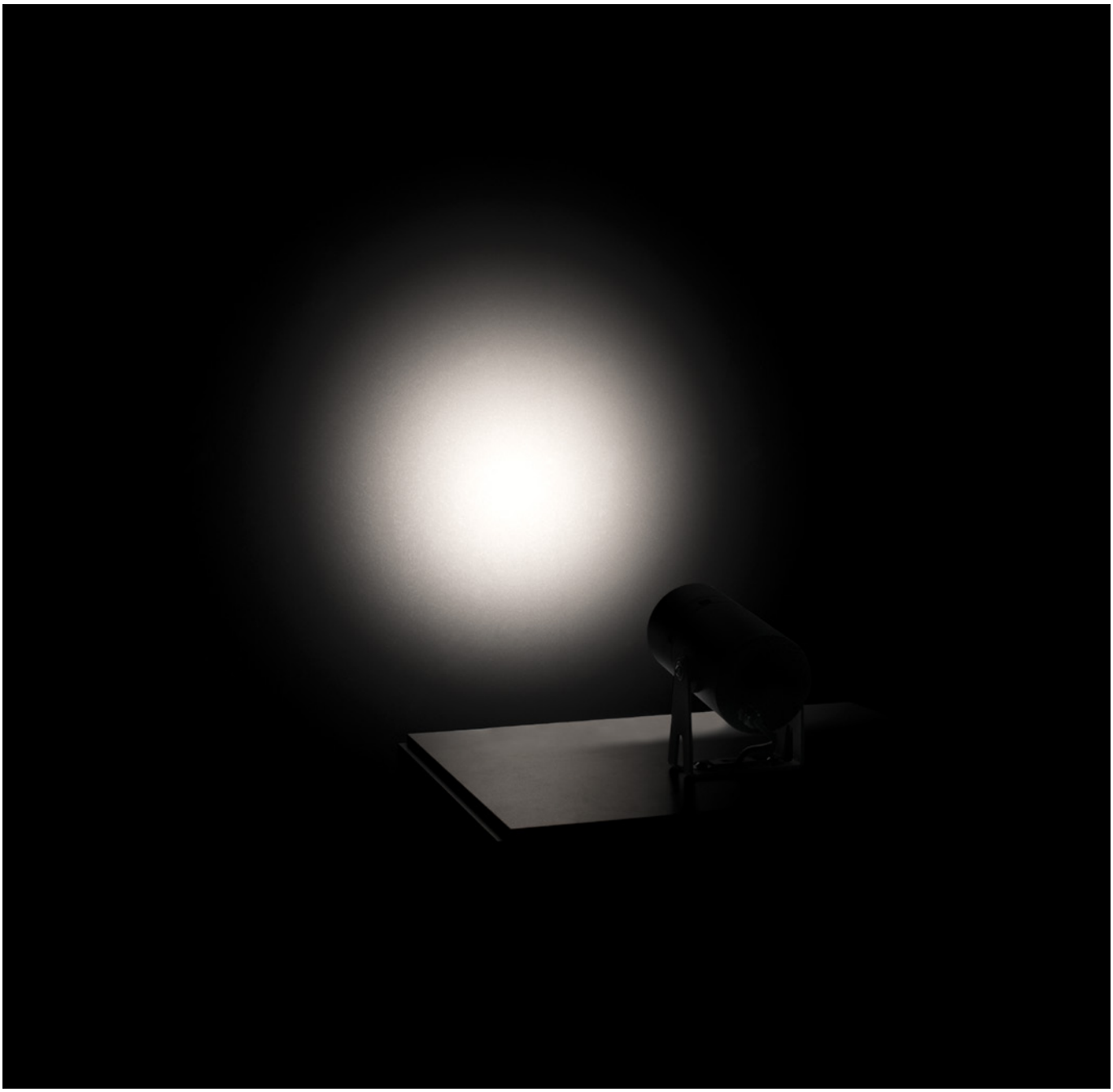
ELECTRICAL PROPERTIES
- Drive current: 700mA (different drive currents are available)
- Optimized PCB design for better heat management
- Energy Class: A+
- Insulation Class: CLASS I
- Input Voltage: 220-240V / 110-120V at 50/60Hz
- Control Type: On/Off, 1-10V, DALI
- Power usage: 7,5W - 58W

OPTICAL PROPERTIES
- Equipped with Heper's Hybrid Module or Flexo Module.
- Well-defined beam angles with reflector and lens combined.
- No scattering of light.
- Beam Angles : 7°C, 26°C (Hybrid), 10°C, 25°C, 36°C and 60°C (Flexo)
- High power, undomed LED chips
- MacAdam Ellipse 3
- Lumen output: 410lm - 6200lm (700mA)
- Color temperature: 3000K, 4000K
- CRI > 70(4000K), CRI > 80(3000K), CRI > 95(Flexo)
- Lumen depreciation: L90B50 > 40000h
- Efficacy: 107 lm/W (for 4000K @700mA)
- Photobiological safety: Risk group 0

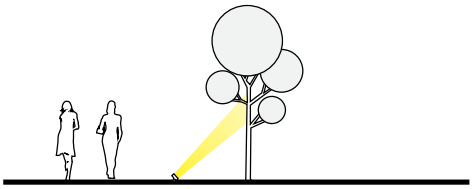
BODY HOUSING & FINISH
- Corrosion resistant aluminum housing
- Electrostatic powder coating
- HM1 - HM5 standard body colors with optional RAL codes
- Ingress protection: IP65
- Impact protection: IK08

EXTRAS
- Higher CRI LED chips
- Different drive currents
- Different color temperatures
- RGBW with DMX control
- Visor and spike accessory

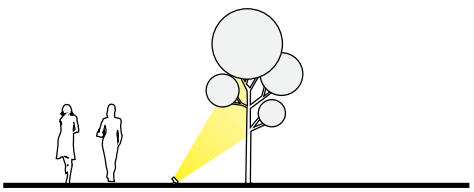
CE EN60598, IP65, IK08



PUNTO
PRODUCT SPECIFICATIONS

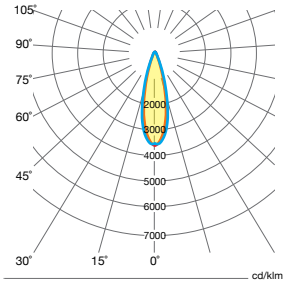


Punto 7°

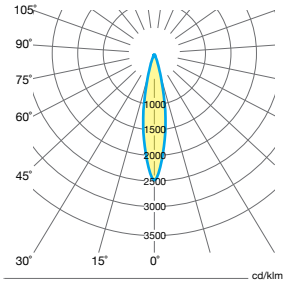


Punto 26°

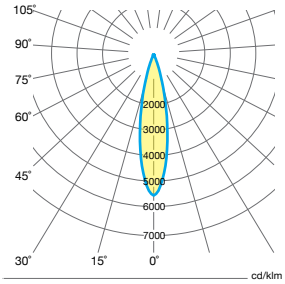
Punto S Visor



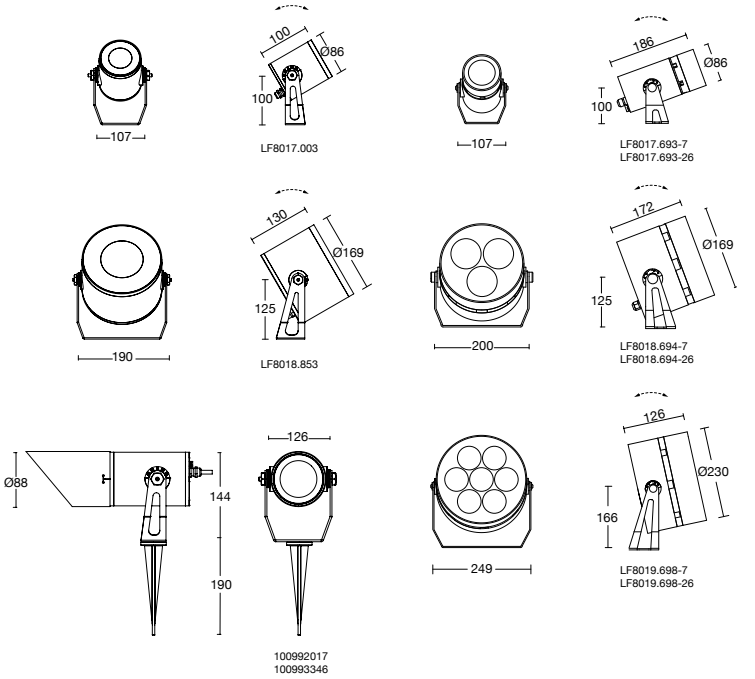
Punto



Punto F S

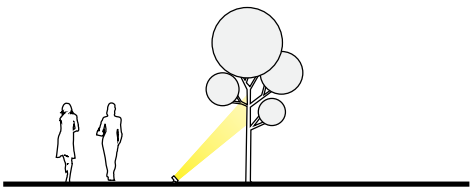


Punto F

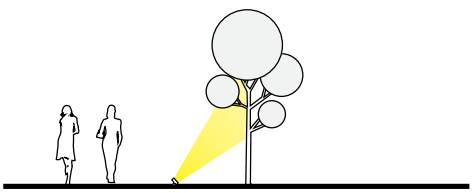


CODE	DESCRIPTION	POWER (700 mA)	LUMEN OUTPUT	CCT
LF8017.003	Punto Flexo S 10°	7,5W	410 lm - 460 lm	3000K / 4000K
LF8017.693-26	Punto Hybrid S 26°	9W	750 lm - 900 lm	3000K / 4000K
LF8017.693-7	Punto Hybrid S 7°	9W	750 lm - 900 lm	3000K / 4000K
LF8018.694-26	Punto Hybrid S 26°	26W	2300 lm - 2700 lm	3000K / 4000K
LF8018-694-7	Punto Hybrid 7°	26W	2300 lm - 2700 lm	3000K / 4000K
LF8018.853	Punto Flexo 9°	22W	1000 lm - 1050 lm	3000K / 4000K
LF8019.698-26	Punto Hybrid L 26°	58W	5400 lm - 6200 lm	3000K / 4000K
LF8019.698-7	Punto Hybrid L 7°	58W	5400 lm - 6200 lm	3000K / 4000K
100992017	Punto Spike			
100993346	Punto S Visor			

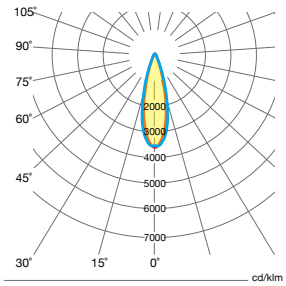
PUNTO
PRODUCT SPECIFICATIONS



Punto 7°



Punto 26°



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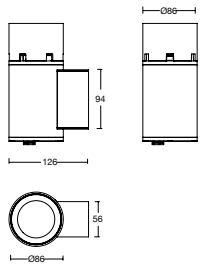
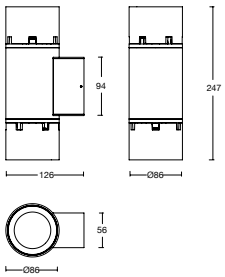
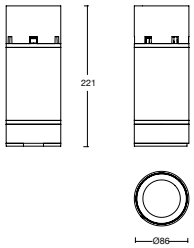


LW8017.693



LW7036.519



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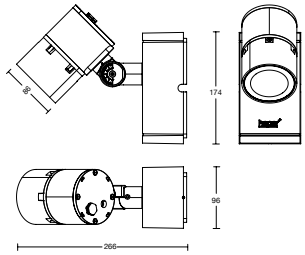


LF8030.693

CODE	DESCRIPTION	POWER (700 mA)	LUMEN OUTPUT	CCT
LW8017.693	Punto S Wall	9W	750 lm - 900 lm	3000K / 4000K
LW7036.519	Punto S Duo Wall	18W	1500 lm - 1800 lm	3000K / 4000K
LD8017.693	Punto S Downlight	9W	750 lm - 900 lm	3000K / 4000K
LF8030.693	Punto S Ex	9W	750 lm - 900 lm	3000K / 4000K

Optimum outlet
Optimum outlet
KAPALI OTOPARK

04

VEGA
TECHNICAL SPECIFICATIONS

APPLICATION AREAS
- Facades
- Monuments
- Trees
- Columns

GENERAL HIGHLIGHTS
- Equipped with Heper's Hybrid Module
- Optimized beam angles for narrow and medium distribution
- Operating temperature: -30˚C / +55˚C
- Exceptional thermal characteristics
- Accessories for adaptable use
- In compliance with EN 60598
- CE Certified, ENEC and UL pending

ELECTRICAL PROPERTIES
- Drive current: 700mA (different drive currents are available)
- Optimized PCB design for better heat management
- Energy Class: A+
- Insulation Class: CLASS I
- Input Voltage: 220-240V / 110-120V at 50/60Hz
- Control Type: On/Off, 1-10V, DALI
- Power usage: 9W - 35W

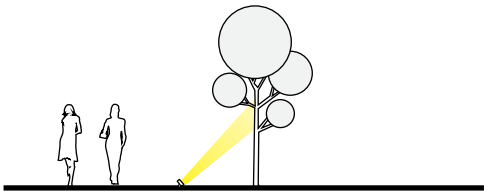
OPTICAL PROPERTIES
- Equipped with Heper's Hybrid Module
- Well defined beam angles with reflector and lens combined
- No scattering of light
- High power, undomed LED chips
- Beam Angles : 7˚C, 26˚C
- MacAdam Ellipse 3
- Lumen output: 750lm - 3400lm (700mA)
- Color temperature: 3000K, 4000K
- CRI > 70(4000K), CRI > 80(3000K)
- Lumen depreciation: L90B50 > 40000h
- Efficacy: 100 lm/W (for 4000K @700mA)
- Photobiological safety: Risk group 0

BODY HOUSING & FINISH
- Corrosion resistant aluminum housing
- Electrostatic powder coating
- HM1 - HM5 standard body colors with optional RAL codes
- Ingress protection: IP65
- Impact protection: IK08

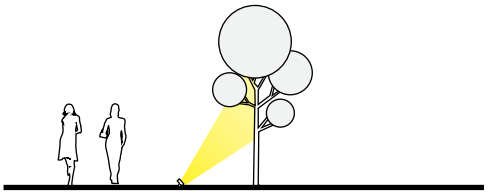
EXTRAS
- Higher CRI LED chips
- Different drive currents
- Different color temperatures
- RGBW with DMX control
- Visor and spike accessory

CE EN60598, IP65, IK08

VEGA
PRODUCT SPECIFICATIONS

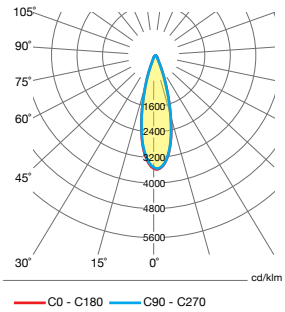


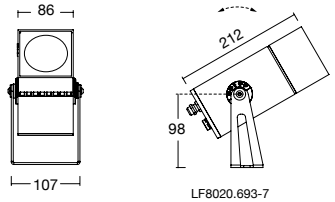
Vega 7°



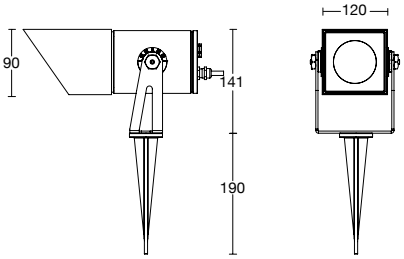
Vega 26°

Vega S Visor





LF8020.693-7
LF8020.693-26



100992017
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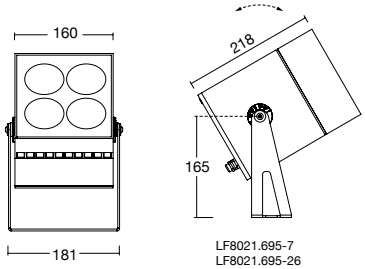
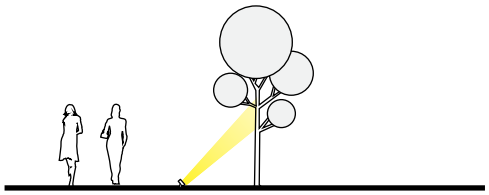


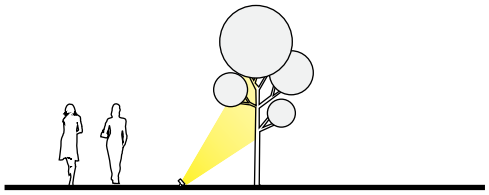
LF8021.695-7
LF8021.695-26

CODE	DESCRIPTION	POWER (700 mA)	LUMEN OUTPUT	CCT
LF8020.693-26	Vega Hybrid S 26°	9W	750 lm - 900 lm	3000K / 4000K
LF8020.693-7	Vega Hybrid S 7°	9W	750 lm - 900 lm	3000K / 4000K
LF8021-695-26	Vega Hybrid 26°	35W	3000 lm - 3400 lm	3000K / 4000K
LF8021-695-7	Vega Hybrid 7°	35W	3000 lm - 3400 lm	3000K / 4000K
100992017	Vega Spike			
100993347	Vega S Visor			

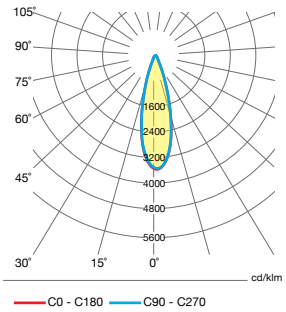
VEGA
PRODUCT SPECIFICATIONS

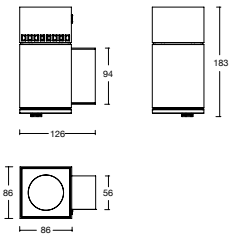


Vega 7°

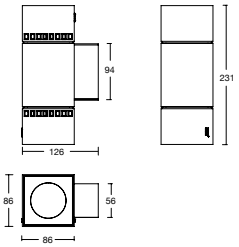


Vega 26°

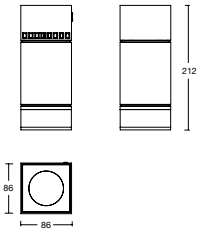




LW8020.693



LW7037.519



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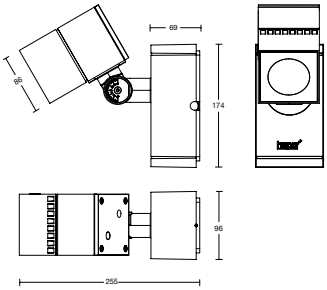

LF8031.693

CODE	DESCRIPTION	POWER (700 mA)	LUMEN OUTPUT	CCT
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LW7037.519	Vega S Duo Wall	18W	1500 lm - 1800 lm	3000K / 4000K
LD8020.693	Vega S Downlight	9W	750 lm - 900 lm	3000K / 4000K
LF8031.693	Vega S Ex	9W	750 lm - 900 lm	3000K / 4000K

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*Heper withholds the right to make modifications on
declared information without prior notice.

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