



Viabizzuno strada principale della frazione di bizzuno in provincia di ravenna dove tra la casa del popolo e la parrocchia, al n°17, sono nato il ventuno luglio millenovecentocinquantacinque. da qui nasce il nome della fabbrica di produzione fondata nel millenovecentonovantaquattro rappresentata da uno spazio bianco attraversato da due linee. una verticale, rigorosa, essenziale, equilibrata: la luce per la luce; ed una inclinata, irriverente nello spazio, ironica, fuori dagli schemi: la luce per la forma. distinte ma complementari si fondono in un unico nome: Viabizzuno.

marionanni

Viabizzuno is the name of the main road of the small village bizzuno located in the province of ravenna, where I was born on the twenty-first july nineteenfiftyfive at n°17, between the 'casa del popolo' and the local parish church. from here the name of the factory founded in nineteen ninety-four represented by a white space intersected by two lines. one vertical, well balanced, logical, essential: the light for the light. the other one dynamic, irreverent, ironic: the light for the form. separate and yet complementary they cast in the same name: Viabizzuno.

prodotto
product



schede tecniche
technical data sheet



curve fotometriche
photometric curves



modelli 3d per i tuoi render
3d models for your render





apparecchio di illuminazione da parete, tavolo e terra IP20.

modelli:

minima parete con propulsore dinamico n55 e lampadina classica, decorativa o tecnica. eventuali irregolarità del vetro sono garanzia di un prodotto unico, soffiato e realizzato interamente a mano da maestri vetrai. realizzato con uno stelo in alluminio estruso diametro Ø10mm curvato, orientabile in altezza tramite sistema a carrucola, con contrappeso in ottone. supporto a parete con potenziometro lineare per dimmerazione nel lato inferiore. cablato con sorgente elettronica 2700K o 3000K Ra98 14W 1580lm. alimentatore con controllo intelligente 120-277V 50-60Hz incluso.

minima tavolo con propulsore dinamico n55 e lampadina decorativa. realizzato con uno stelo in alluminio estruso diametro Ø10mm curvato, con base 210mm. cablato con sorgente elettronica 2700K o 3000K Ra98 9,7W 1240lm, dimmerabile con potenziometro lineare. alimentatore 100-240V 50-60Hz incluso, con set di spine eu/uk/usa - jp/ccc/aus intercambiabili. cavo di alimentazione 2000mm rivestito in tessuto nero incluso.

minima terra con propulsore dinamico n55 e lampadina classica o tecnica. realizzato con una base in alluminio estruso diametro Ø16mm su cui si innesta lo stelo in estruso di alluminio diametro Ø10mm curvato, orientabile sull'asse verticale di 180°.

cablato con sorgente elettronica 2700K o 3000K Ra98 9,7W 1240lm, dimmerabile con potenziometro lineare. alimentatore 100-240V 50-60Hz incluso, con set di spine eu/uk/usa - jp/ccc/aus intercambiabili.

cavo di alimentazione 2000mm rivestito in tessuto nero incluso.

accessori: paralume in seta bianco o blu per lampadina classica hm01 o lampadina tecnica spot55, frangiluce a nido d'ape, lente ellittica, vetro albarino e accessorio anti abbagliamento per lampadina tecnica spot82, trappola di luce anti abbagliamento nero solo per lampadina trasparente.

finiture: argento hacca e nero55.

personalizza la tua luce vai su www.Viabizzuno.com

IP20 rated wall, table or floor-standing light fitting for indoor use.

versions:

minima parete with propulsore dinamico n55 and classic, decorative or technical bulb. any irregularities in the glass are a guarantee of a unique product, blown and entirely hand crafted by master glassmakers. made of a diameter Ø10mm extruded aluminium bent rod that can be adjusted in height by means of a pulley system and a brass counterweight. wall mounted support with linear potentiometer for the lower part dimming. wired with 2700K or 3000K Ra98 14W 1580lm led source. 120-277V 50-60Hz electronic power supply with smart control included.

minima tavolo with propulsore dinamico n55 and decorative bulb. made of a diameter Ø10mm extruded aluminium bent rod, with 210mm base. wired with 2700K or 3000K Ra98 9.7W 1240lm led source, dimmable with linear potentiometer. 100-240V 50-60Hz power supply included with eu/uk/usa - jp/ccc/aus interchangeable plugs. 2000mm power supply cable covered in black fabric included.

minima terra with propulsore dinamico n55 and classic or technical bulb. made of an extruded aluminium base with diameter Ø16mm engaging the extruded aluminium bent rod having a diameter Ø10mm, adjustable by 180° on the vertical axis.

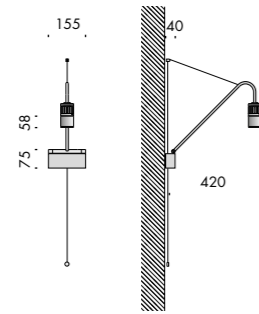
wired with 2700K or 3000K Ra98 9.7W 1240lm led source, dimmable with linear potentiometer. 100-240V 50-60Hz power supply included with eu/uk/usa - jp/ccc/aus interchangeable plugs. 2000mm power supply cable covered in black fabric included.

accessories: white or blue sink lampshade for hm01 classic bulb or spot55 technical bulb, honeycomb louvre, elliptical lens, albarino glass and anti-glare fitting for spot82 technical bulb, anti-glare black light trap only for transparent bulb.

finishes: argento hacca and nero55.

customize your light visit www.Viabizzuno.com





minima parete spot55x37 120-277V 50-60Hz

Via.590.5001 argento hacca 2700K 30° 0,6

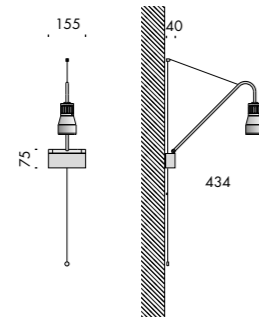
Via.590.5003 nero55 2700K 30° 0,6

Ra	R9	ies tm-30		sdc	mA	V _{f(min)}	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	500	27,9	1580	14,0	113
xm000	les19		Ta25 °C		vita media · average life		70000 h	L80 B10	

Via.590.5002 argento hacca 3000K 30° 0,6

Via.590.5004 nero55 3000K 30° 0,6

Ra	R9	ies tm-30		sdc	mA	V _{f(min)}	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	500	27,9	1580	14,0	113
xm001	les19		Ta25 °C		vita media · average life		70000 h	L80 B10	



minima parete spot82x79 120-277V 50-60Hz

Via.590.5005 argento hacca 2700K 23° 0,6

Via.590.5007 nero55 2700K 23° 0,6

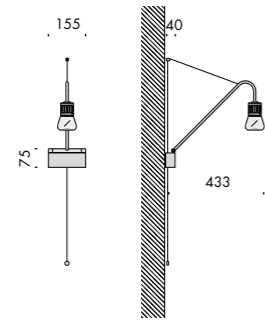
Ra	R9	ies tm-30		sdc	mA	V _{f(min)}	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	500	27,9	1580	14,0	113
xm000	les19		Ta25 °C		vita media · average life		70000 h	L80 B10	

Via.590.5006 argento hacca 3000K 23° 0,6

Via.590.5008 nero55 3000K 23° 0,6

Ra	R9	ies tm-30		sdc	mA	V _{f(min)}	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	500	27,9	1580	14,0	113
xm001	les19		Ta25 °C		vita media · average life		70000 h	L80 B10	





minima parete hm01 120-277V 50-60Hz

Via.590.5009 argento hacca bianco latte · milk white 2700K 0,7

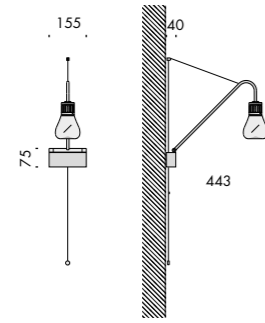
Via.590.5011 nero55 bianco latte · milk white 2700K 0,7

Ra	R9	ies tm-30		sdc	mA	V _{f(min)}	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	500	27,9	1580	14,0	113
xm000	les19	Ta25 °C		vita media · average life		70000 h		L80 B10	

Via.590.5010 argento hacca bianco latte · milk white 3000K 0,7

Via.590.5012 nero55 bianco latte · milk white 3000K 0,7

Ra	R9	ies tm-30		sdc	mA	V _{f(min)}	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	500	27,9	1580	14,0	113
xm001	les19	Ta25 °C		vita media · average life		70000 h		L80 B10	



minima parete hm02 120-277V 50-60Hz

Via.590.5013 argento hacca bianco latte · milk white 2700K 0,7

Via.590.5015 nero55 bianco latte · milk white 2700K 0,7

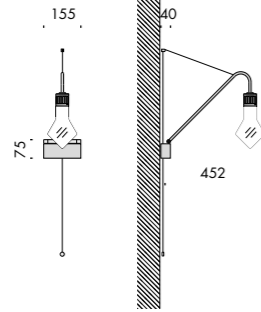
Ra	R9	ies tm-30		sdc	mA	V _{f(min)}	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	500	27,9	1580	14,0	113
xm000	les19	Ta25 °C		vita media · average life		70000 h		L80 B10	

Via.590.5014 argento hacca bianco latte · milk white 3000K 0,7

Via.590.5016 nero55 bianco latte · milk white 3000K 0,7

Ra	R9	ies tm-30		sdc	mA	V _{f(min)}	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	500	27,9	1580	14,0	113
xm001	les19	Ta25 °C		vita media · average life		70000 h		L80 B10	





minima parete pz03 120-277V 50-60Hz **Ai** IP20 PF **CE** **i**

Via.590.5017 argento hacca trasparente · transparent 2700K 0,9

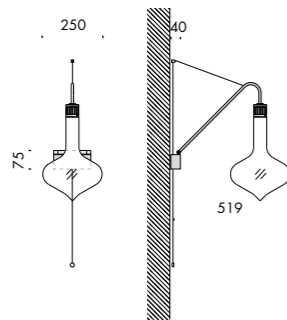
Via.590.5019 nero55 trasparente · transparent 2700K 0,9

Ra	R9	ies tm-30		sdc	mA	V _{f (min)}	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	500	27,9	1580	14,0	113
xm000	les19	Ta25 °C		vita media · average life		70000 h	L80 B10		

Via.590.5018 argento hacca trasparente · transparent 3000K 0,9

Via.590.5020 nero55 trasparente · transparent 3000K 0,9

Ra	R9	ies tm-30		sdc	mA	V _{f (min)}	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	500	27,9	1580	14,0	113
xm001	les19	Ta25 °C		vita media · average life		70000 h	L80 B10		



minima parete rdai01 120-277V 50-60Hz **Ai** IP20 PF **CE** **i**

Via.590.5021 argento hacca trasparente · transparent 2700K 1,8

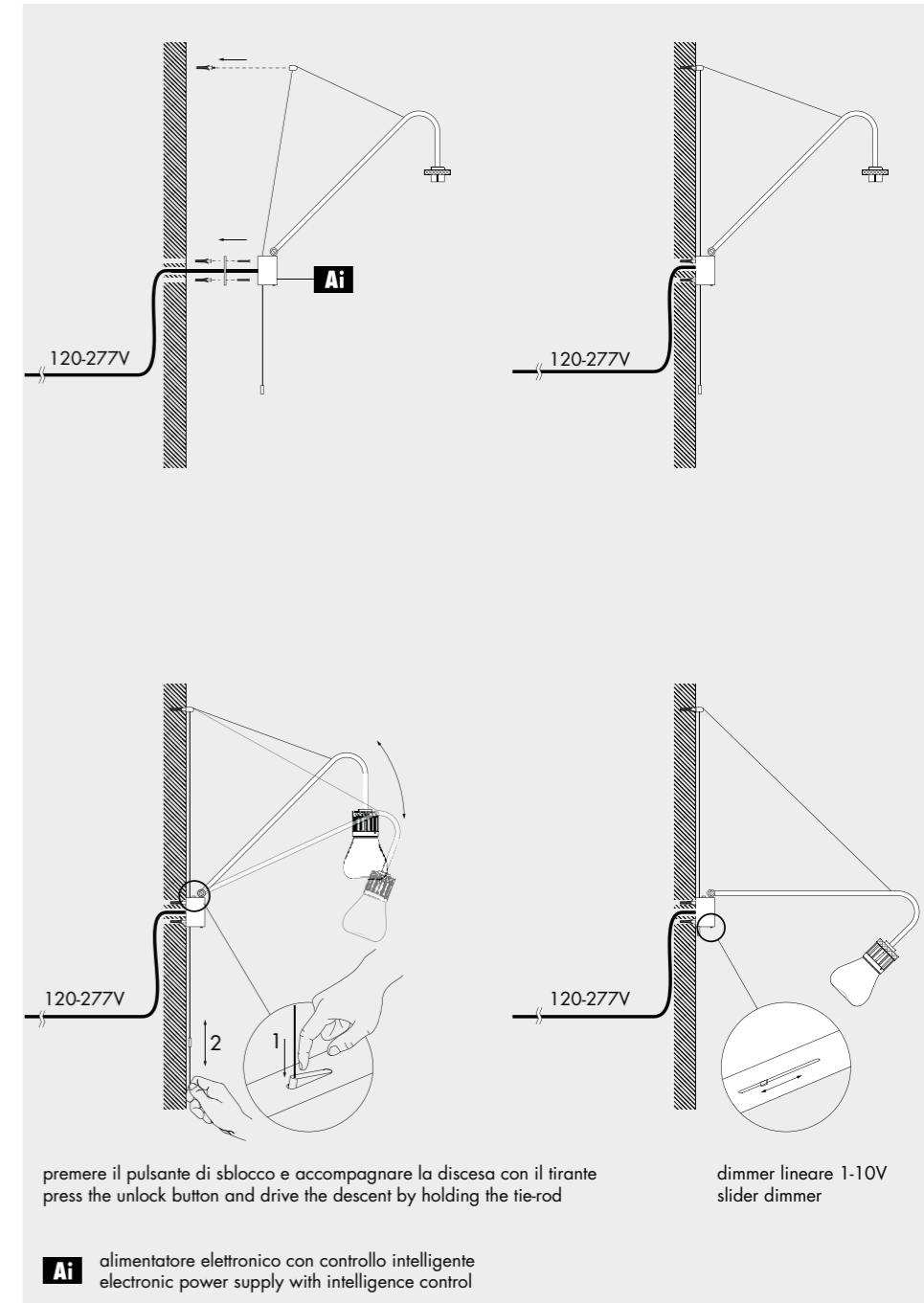
Via.590.5023 nero55 trasparente · transparent 2700K 1,8

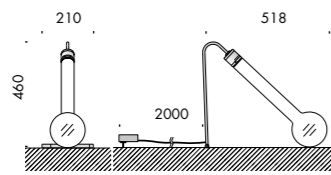
Ra	R9	ies tm-30		sdc	mA	V _{f (min)}	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	500	27,9	1580	14,0	113
xm000	les19	Ta25 °C		vita media · average life		70000 h	L80 B10		

Via.590.5022 argento hacca trasparente · transparent 3000K 1,8

Via.590.5024 nero55 trasparente · transparent 3000K 1,8

Ra	R9	ies tm-30		sdc	mA	V _{f (min)}	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	500	27,9	1580	14,0	113
xm001	les19	Ta25 °C		vita media · average life		70000 h	L80 B10		





minima tavolo mn02 100-240V 50-60Hz AS IP20 PF CE i

Via.590.2001 argento hacca trasparente · transparent 2700K 1,8

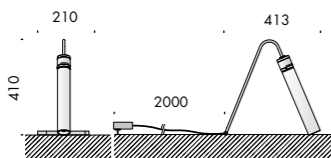
Via.590.2003 nero55 trasparente · transparent 2700K 1,8

Ra	R9	ies tm-30		sdc	mA	V _{f (min)}	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	350	27,6	1240	9,7	128
xm000	les19 ● Ta25 °C		vita media · average life		70000 h		L80 B10		

Via.590.2002 argento hacca trasparente · transparent 3000K 1,8

Via.590.2004 nero55 trasparente · transparent 3000K 1,8

Ra	R9	ies tm-30		sdc	mA	V _{f (min)}	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	350	27,6	1240	9,7	128
xm001	les19 ● Ta25 °C		vita media · average life		70000 h		L80 B10		



minima tavolo dc02 100-240V 50-60Hz AS IP20 PF CE i

Via.590.2005 argento hacca sabbato · sanded 2700K 1,1

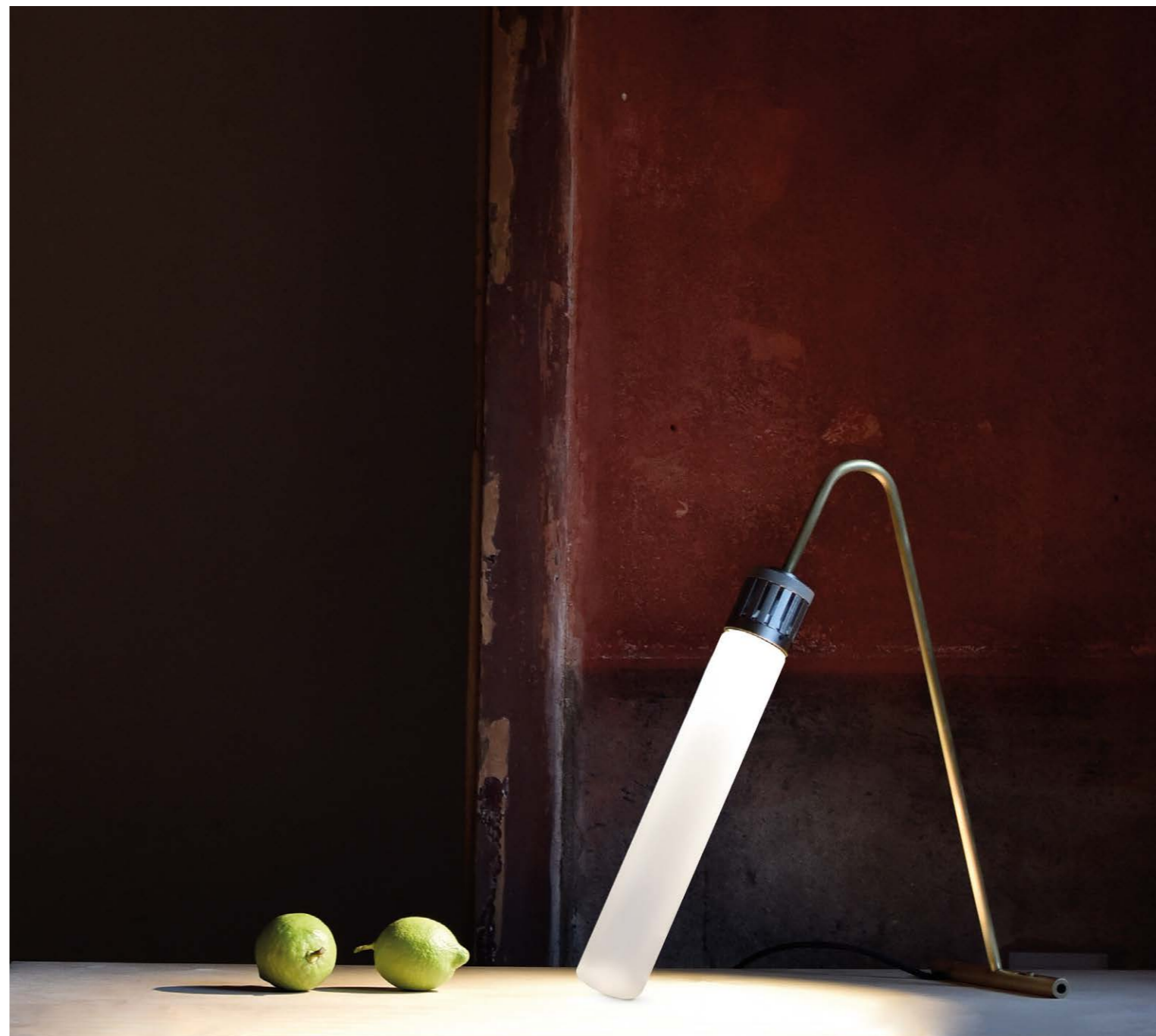
Via.590.2007 nero55 sabbato · sanded 2700K 1,1

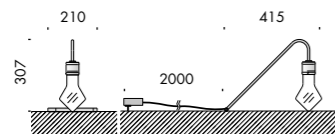
Ra	R9	ies tm-30		sdc	mA	V _{f (min)}	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	350	27,6	1240	9,7	128
xm000	les19 ● Ta25 °C		vita media · average life		70000 h		L80 B10		

Via.590.2006 argento hacca sabbato · sanded 3000K 1,1

Via.590.2008 nero55 sabbato · sanded 3000K 1,1

Ra	R9	ies tm-30		sdc	mA	V _{f (min)}	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	350	27,6	1240	9,7	128
xm001	les19 ● Ta25 °C		vita media · average life		70000 h		L80 B10		





minima tavolo pz03 100-240V 50-60Hz AS IP20 PF Δ \star CE i

Via.590.2009 argento hacca trasparente · transparent 2700K 1

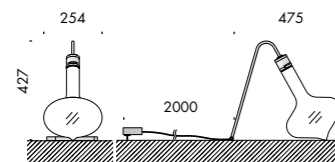
Via.590.2011 nero55 trasparente · transparent 2700K 1

Ra	R9	ies tm-30		sdc	mA	V _{f (min)}	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	350	27,6	1240	9,7	128
xm000	les19 \odot Ta25 °C		vita media · average life		70000 h		L80 B10		

Via.590.2010 argento hacca trasparente · transparent 3000K 1

Via.590.2012 nero55 trasparente · transparent 3000K 1

Ra	R9	ies tm-30		sdc	mA	V _{f (min)}	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	350	27,6	1240	9,7	128
xm001	les19 \odot Ta25 °C		vita media · average life		70000 h		L80 B10		



minima tavolo rdai01 100-240V 50-60Hz AS IP20 PF Δ CE i

Via.590.2013 argento hacca trasparente · transparent 2700K 1,9

Via.590.2015 nero55 trasparente · transparent 2700K 1,9

Ra	R9	ies tm-30		sdc	mA	V _{f (min)}	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	350	27,6	1240	9,7	128
xm000	les19 \odot Ta25 °C		vita media · average life		70000 h		L80 B10		

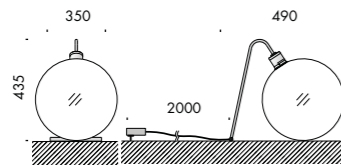
Via.590.2014 argento hacca trasparente · transparent 3000K 1,9

Via.590.2016 nero55 trasparente · transparent 3000K 1,9

Ra	R9	ies tm-30		sdc	mA	V _{f (min)}	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	350	27,6	1240	9,7	128
xm001	les19 \odot Ta25 °C		vita media · average life		70000 h		L80 B10		



Vb9.580.160
 solo per lampadina classica
 trasparente o lampadina
 decorativa trasparente
 only for transparent classic bulb
 or transparent decorative bulb



minima tavolo oma03 100-240V 50-60Hz AS IP20 PF CE i

Via.590.2017 argento hacca trasparente · transparent 2700K 2

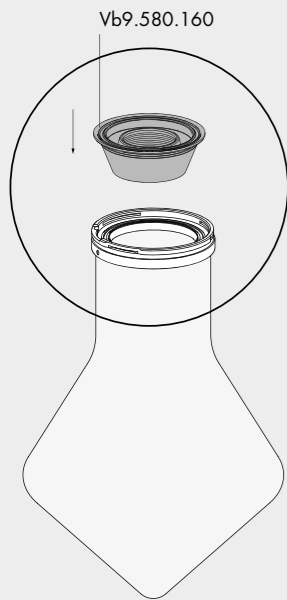
Via.590.2019 nero55 trasparente · transparent 2700K 2

Ra	R9	ies tm-30		sdc	mA	V _f (min)	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	350	27,6	1240	9,7	128
xm000	les19	Ta25 °C		vita media · average life		70000 h	L80 B10		

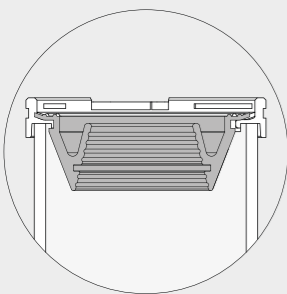
Via.590.2018 argento hacca trasparente · transparent 3000K 2

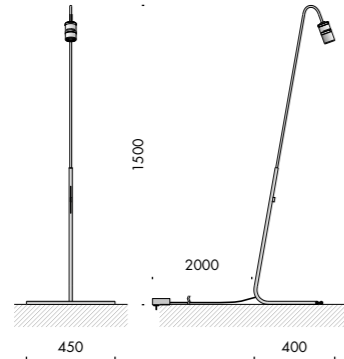
Via.590.2020 nero55 trasparente · transparent 3000K 2

Ra	R9	ies tm-30		sdc	mA	V _f (min)	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	350	27,6	1240	9,7	128
xm001	les19	Ta25 °C		vita media · average life		70000 h	L80 B10		



Vb9.580.160





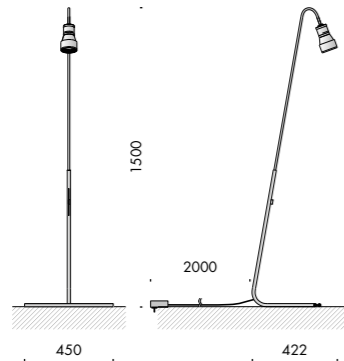
minima terra spot55x37 100-240V 50-60Hz AS IP20 PF CE i

Via.590.4001	argento hacca	2700K	30°	3,3
Via.590.4003	nero55	2700K	30°	3,3

Ra	R9	ies tm-30		sdc	mA	V _{f (min)}	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	350	27,6	1240	9,7	128
xm000	les19	●	Ta25 °C	vita media · average life		70000 h	L80	B10	

Via.590.4002	argento hacca	3000K	30°	3,3
Via.590.4004	nero55	3000K	30°	3,3

Ra	R9	ies tm-30		sdc	mA	V _{f (min)}	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	350	27,6	1240	9,7	128
xm001	les19	●	Ta25 °C	vita media · average life		70000 h	L80	B10	



minima terra spot82x79 100-240V 50-60Hz AS IP20 PF CE i

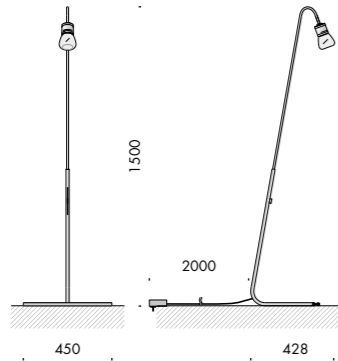
Via.590.4005	argento hacca	2700K	23°	3,3
Via.590.4007	nero55	2700K	23°	3,3

Ra	R9	ies tm-30		sdc	mA	V _{f (min)}	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	350	27,6	1240	9,7	128
xm000	les19	●	Ta25 °C	vita media · average life		70000 h	L80	B10	

Via.590.4006	argento hacca	3000K	23°	3,3
Via.590.4008	nero55	3000K	23°	3,3

Ra	R9	ies tm-30		sdc	mA	V _{f (min)}	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	350	27,6	1240	9,7	128
xm001	les19	●	Ta25 °C	vita media · average life		70000 h	L80	B10	





minima terra hm01 100-240V 50-60Hz AS IP20 PF CE i

Via.590.4009 argento hacca bianco latte · milk white 2700K 3,3

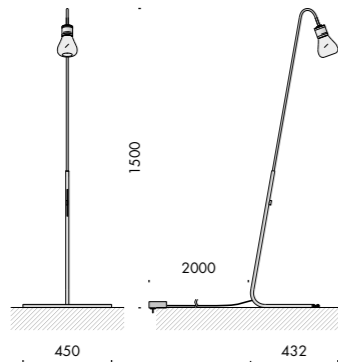
Via.590.4011 nero55 bianco latte · milk white 2700K 3,3

Ra	R9	ies tm-30		sdc	mA	V _{f (min)}	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	350	27,6	1240	9,7	128
xm000	les19	Ta25 °C		vita media · average life		70000 h	L80	B10	

Via.590.4010 argento hacca bianco latte · milk white 3000K 3,3

Via.590.4012 nero55 bianco latte · milk white 3000K 3,3

Ra	R9	ies tm-30		sdc	mA	V _{f (min)}	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	350	27,6	1240	9,7	128
xm001	les19	Ta25 °C		vita media · average life		70000 h	L80	B10	



minima terra hm02 100-240V 50-60Hz AS IP20 PF CE i

Via.590.4013 argento hacca bianco latte · milk white 2700K 3,3

Via.590.4015 nero55 bianco latte · milk white 2700K 3,3

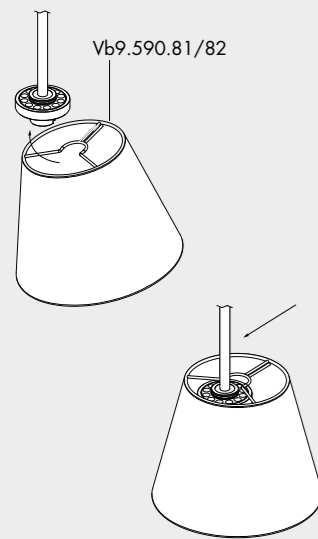
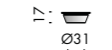
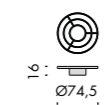
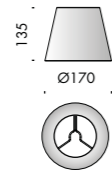
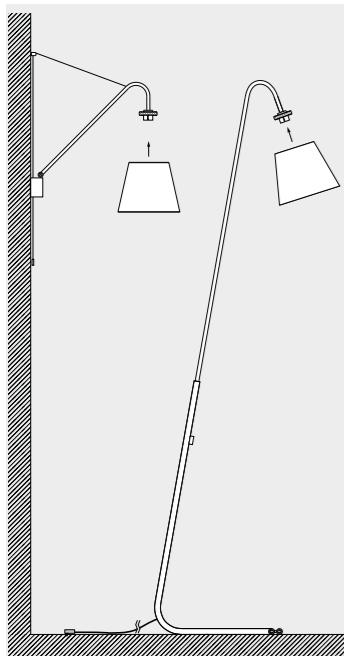
Ra	R9	ies tm-30		sdc	mA	V _{f (min)}	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	350	27,6	1240	9,7	128
xm000	les19	Ta25 °C		vita media · average life		70000 h	L80	B10	

Via.590.4014 argento hacca bianco latte · milk white 3000K 3,3

Via.590.4016 nero55 bianco latte · milk white 3000K 3,3

Ra	R9	ies tm-30		sdc	mA	V _{f (min)}	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	350	27,6	1240	9,7	128
xm001	les19	Ta25 °C		vita media · average life		70000 h	L80	B10	





solo per · only for spot 55 / hm01

paralumi. lampshades. ★ CE

Vb9.590.81 seta bianco · white silk 0,2

Vb9.590.82 seta blu · blue silk 0,2

accessori spot82. accessories. ★ CE

Vb9.580.86 fragiluce nido d'ape · honeycomb louvre 0,01

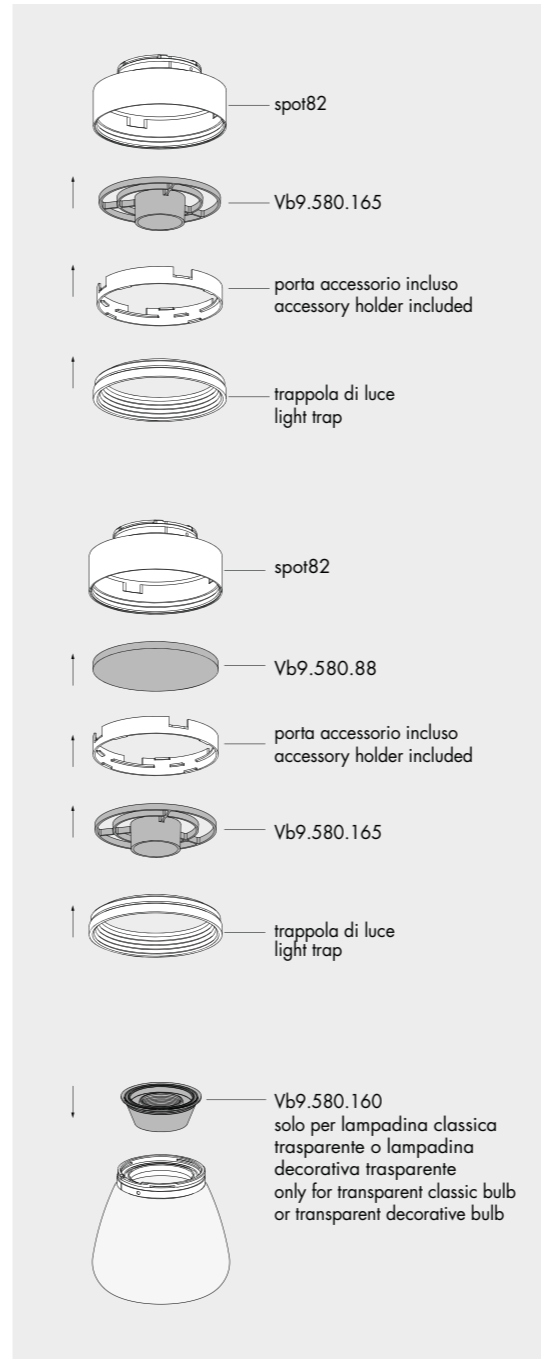
Vb9.580.87 lente ellittica · elliptical lens 0,05

Vb9.580.88 vetro albarino · albarino glass 0,05

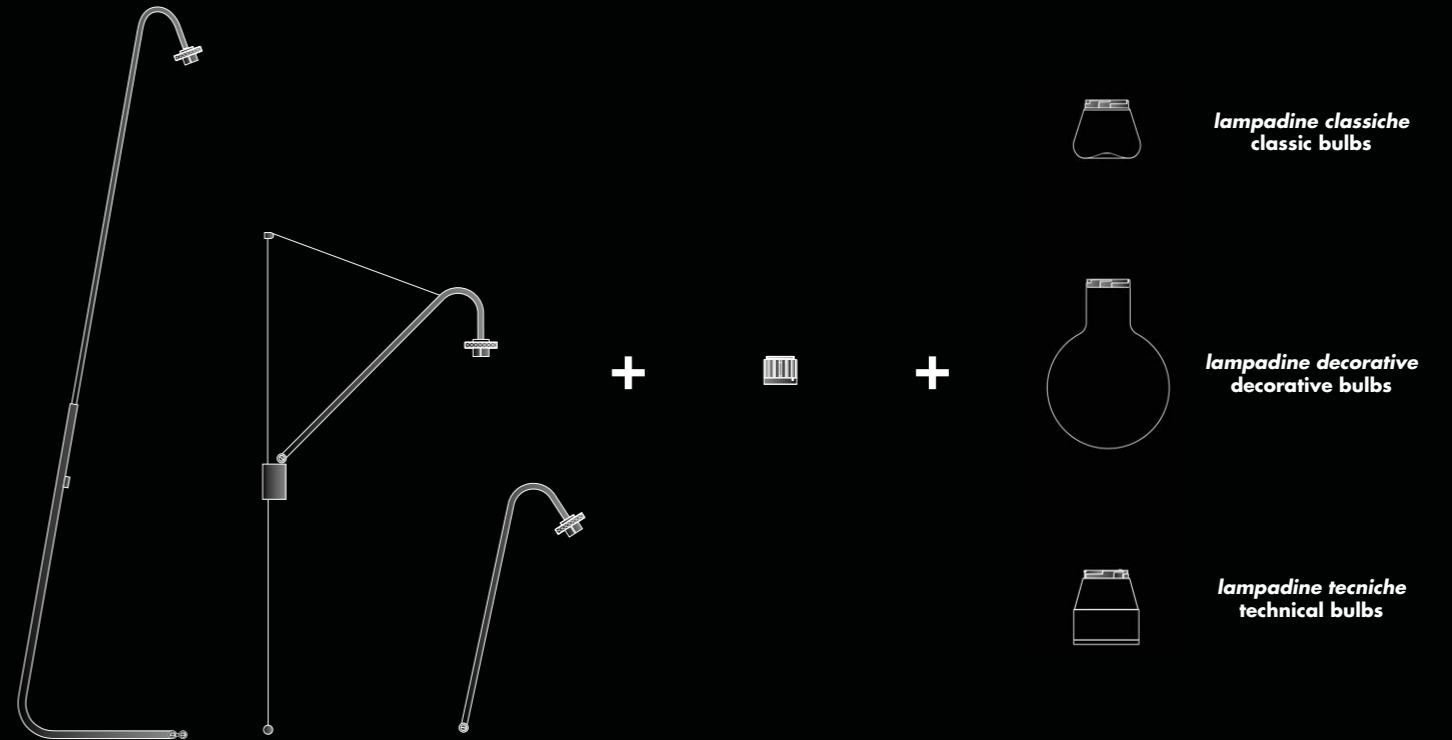
Vb9.580.165 anti abbagliamento · anti-glare 0,03

accessori per lampadina trasparente. accessories for transparent bulb ★ CE

Vb9.580.160 trappola di luce antiabbagliamento nero anti-glare black light trap 0,1



*personalizza la tua luce
vai su Viabizzuno.com*



customize your light visit [Viabizzuno.com](https://www.viabizzuno.com)

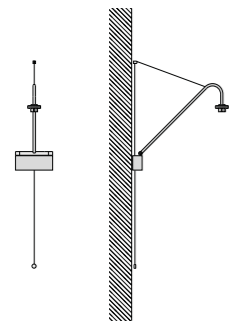
1. scegli l'interfaccia
choose the interface

2. scegli il propulsore dinamico n55
choose the propulsore dinamico n55

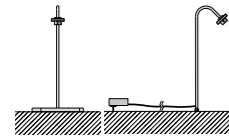
3. scegli la tua lampadina classica, decorativa e tecnica
choose your classic, decorative and technical bulb

minima

minima parete 📍



minima tavolo 📍



minima terra 📍



propulsore dinamico n55

55/350e 📍📍
 les19 ●
 350mA
 1240 lm
 9,7W
 128 lm/W

55/500 📍📍
 les19 ●
 500mA
 1580 lm
 14W
 113 lm/W

55/500 📍📍
 les9 ●
 500mA
 800 lm
 13,6W
 59 lm/W

les19 ●
 500mA
 1580 lm
 14W
 113 lm/W

les9 ●
 700mA
 1110 lm
 19,5W
 57 lm/W

les19 ●
 1050mA
 3000lm
 30,5W
 98 lm/W

55/350 📍📍
 les19 ●
 350mA
 1240 lm
 9,7W
 128 lm/W

55/500 📍📍
 les19 ●
 500mA
 1580 lm
 14W
 113 lm/W

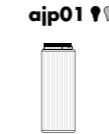
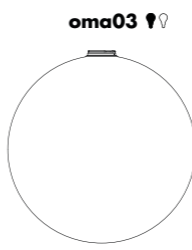
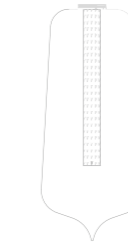
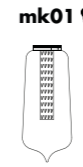
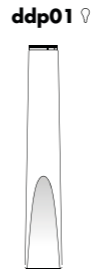
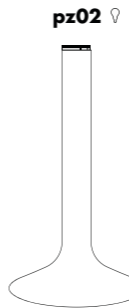
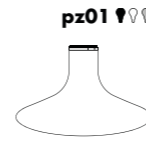
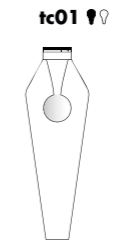
55/500 📍📍
 les9 ●
 500mA
 800 lm
 13,6W
 59 lm/W

les19 ●
 700mA
 2140 lm
 19,9W
 108 lm/W

les9 ●
 700mA
 1110 lm
 19,5W
 57 lm/W

les19 ●
 1050mA
 3000lm
 30,5W
 98 lm/W

lampadina classica
classic bulb



lampadina decorativa
decorative bulb

lampadina tecnica
technical bulb



les19 ●
 les9 ●

87°
 18° 23° 36°

30° 38°
 36° 47°



les19 ●
 les9 ●

31° 42°
 13° 19° 23° 35°

23° 37° 46°

spot100 📍



les19 ●
 les9 ●

16° 25° 40° 54°
 10° 22°

lensoptica amP150 📍



les19 ●
 les9 ●

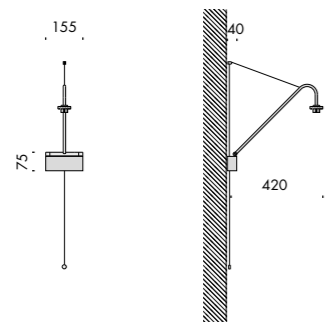
22° 51°
 13°

lensoptica amP180 📍



les19 ●
 les9 ●

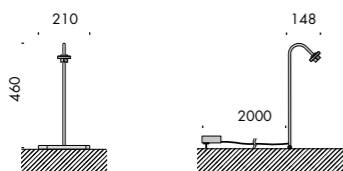
15° 41° 53° 20°x55°
 10°



minima parete		120-277V 50-60Hz	AI	⊕ IP20	CE i
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Vb5.590.sp.h argento hacca 0,4

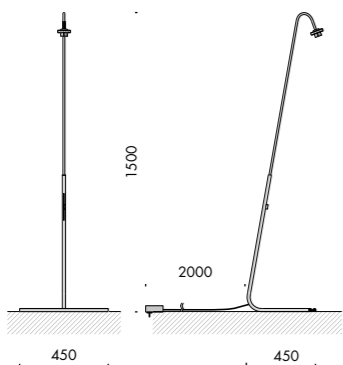
Vb5.590.sp.n nero55 0,4



minima tavolo		100-240V 50-60Hz	AS	⊕ IP20	CE i
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Vb2.590.st.h argento hacca 1,5

Vb2.590.st.n nero55 1,5

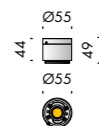








minima terra		100-240V 50-60Hz	AS	⊕ IP20	CE i
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Vb4.590.st.h argento hacca 3

Vb4.590.st.n nero55 3





propulsore dinamico 55/350e   IP20    

Vb9.580.150.27	argento hacca	2700K	les19 ●	0,2
Vb9.580.151.27	nero55	2700K	les19 ●	0,2

Ra	R9	ies tm-30		sdcm	mA	V _{f (min)}	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	350	27,6	1240	9,7	128
xm000	les19 ●	Ta25 °C		vita media · average life		70000 h		L80 B10	







Vb9.580.150.30	argento hacca	3000K	les19 ●	0,2
Vb9.580.151.30	nero55	3000K	les19 ●	0,2

Ra	R9	ies tm-30		sdcm	mA	V _{f (min)}	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	350	27,6	1240	9,7	128
xm001	les19 ●	Ta25 °C		vita media · average life		70000 h		L80 B10	

Vb9.580.150.30v	argento hacca	3000VbK	les19 ●	0,2
Vb9.580.151.30v	nero55	3000VbK	les19 ●	0,2

Ra	R9	ies tm-30		sdcm	mA	V _{f (min)}	lm	W	lm/W
98	98	Rf 93	Rg 106	step 1	350	27,6	1240	9,7	128
xm007	les19 ●	Ta25 °C		vita media · average life		70000 h		L80 B10	



propulsore dinamico 55/350   IP20    

Vb9.580.50.27	argento hacca	2700K	les19 ●	0,2
Vb9.580.51.27	nero55	2700K	les19 ●	0,2

Ra	R9	ies tm-30		sdcm	mA	V _{f (min)}	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	350	27,6	1240	9,7	128
xm000	les19 ●	Ta25 °C		vita media · average life		70000 h		L80 B10	

Vb9.580.50.30	argento hacca	3000K	les19 ●	0,2
Vb9.580.51.30	nero55	3000K	les19 ●	0,2

Ra	R9	ies tm-30		sdcm	mA	V _{f (min)}	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	350	27,6	1240	9,7	128
xm001	les19 ●	Ta25 °C		vita media · average life		70000 h		L80 B10	

Vb9.580.50.30v	argento hacca	3000VbK	les19 ●	0,2
Vb9.580.51.30v	nero55	3000VbK	les19 ●	0,2

Ra	R9	ies tm-30		sdcm	mA	V _{f (min)}	lm	W	lm/W
98	98	Rf 93	Rg 106	step 1	350	27,6	1240	9,7	128
xm007	les19 ●	Ta25 °C		vita media · average life		70000 h		L80 B10	



propulsore dinamico 55/500

- Vb9.580.62.27** argento hacca 2700K les19 ● 0,2
- Vb9.580.63.27** nero55 2700K les19 ● 0,2

Ra	R9	ies tm-30		sdc	mA	V _{f (min)}	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	500	27,9	1580	14,0	113
xe000	les19 ●	Ta25 °C		vita media · average life		70000 h		L80 B10	

- Vb9.580.62.30** argento hacca 3000K les19 ● 0,2
- Vb9.580.63.30** nero55 3000K les19 ● 0,2

Ra	R9	ies tm-30		sdc	mA	V _{f (min)}	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	500	27,9	1580	14,0	113
xe001	les19 ●	Ta25 °C		vita media · average life		70000 h		L80 B10	

- Vb9.580.62.30v** argento hacca 3000VbK les19 ● 0,2
- Vb9.580.63.30v** nero55 3000VbK les19 ● 0,2

Ra	R9	ies tm-30		sdc	mA	V _{f (min)}	lm	W	lm/W
98	98	Rf 93	Rg 106	step 1	500	27,9	1580	14,0	113
xe007	les19 ●	Ta25 °C		vita media · average life		70000 h		L80 B10	



propulsore dinamico 55/500

- Vb9.580.101.27** argento hacca 2700K les9 ● 0,2
- Vb9.580.102.27** nero55 2700K les9 ● 0,2

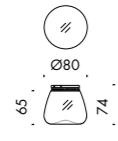
Ra	R9	ies tm-30		sdc	mA	V _{f (min)}	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	500	27,1	800	13,6	59
xe000	les9 ●	Ta25 °C		vita media · average life		70000 h		L80 B10	

- Vb9.580.101.30** argento hacca 3000K les9 ● 0,2
- Vb9.580.102.30** nero55 3000K les9 ● 0,2

Ra	R9	ies tm-30		sdc	mA	V _{f (min)}	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	500	27,1	800	13,6	59
xe001	les9 ●	Ta25 °C		vita media · average life		70000 h		L80 B10	

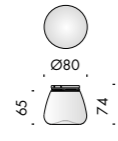
- Vb9.580.101.30v** argento hacca 3000VbK les9 ● 0,2
- Vb9.580.102.30v** nero55 3000VbK les9 ● 0,2

Ra	R9	ies tm-30		sdc	mA	V _{f (min)}	lm	W	lm/W
98	98	Rf 93	Rg 106	step 1	500	27,1	800	13,6	59
xe007	les9 ●	Ta25 °C		vita media · average life		70000 h		L80 B10	

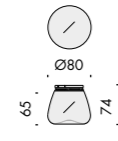


mario nanni ★ CE ⓘ

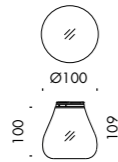
Vb9.580.01.t hm01 trasparente · transparent 0,05



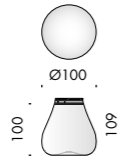
Vb9.580.01.s hm01 sabbiata · sanded 0,05



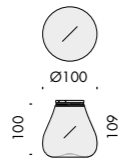
Vb9.580.01.b hm01 bianco latte · milk white 0,05



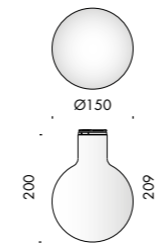
Vb9.580.02.t hm02 trasparente · transparent 0,1



Vb9.580.02.s hm02 sabbiata · sanded 0,1

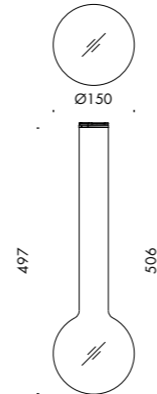


Vb9.580.02.b hm02 bianco latte · milk white 0,1

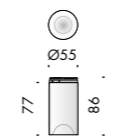


mario nanni ★ CE ⓘ

Vb9.580.03.s mn01 sabbiato · sanded 0,3



Vb9.580.04.t mn02 trasparente · transparent 0,5

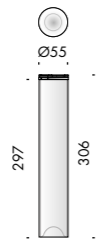


david chipperfield ★ CE ⓘ

Vb9.580.05.s dc01 sabbiato · sanded 0,1

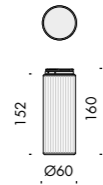






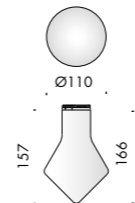
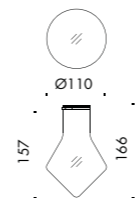
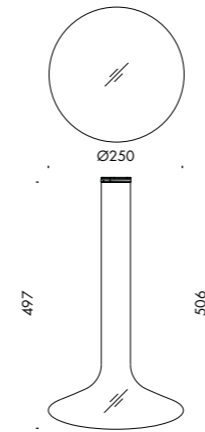
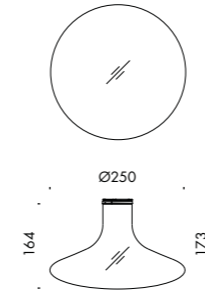
david chipperfield ☆ CE ⓘ

Vb9.580.06.s dc02 sabbiato · sanded 0,3



al-jawad pike ☆ CE ⓘ

Vb9.580.18.tr aip01 trasparente, rigato · transparent, striped 0,2



peter zumthor ☆ CE ⓘ

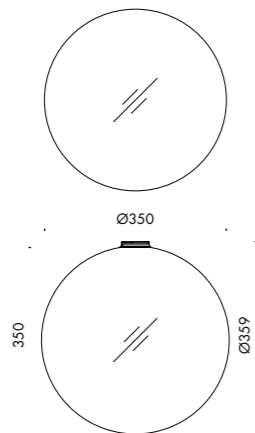
Vb9.580.08.t pz01 trasparente · transparent 0,3

Vb9.580.10.t pz02 trasparente · transparent 0,6

Vb9.580.11.t pz03 trasparente · transparent 0,2

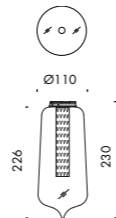
Vb9.580.11.s pz03 sabbiato · sanded 0,2





oma ★ CE ⓘ

Vb9.580.15.t oma03 trasparente · transparent 1,4



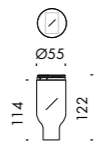
marcio kogan ★ CE ⓘ

Vb9.580.111.t mk01 trasparente · transparent 0,4



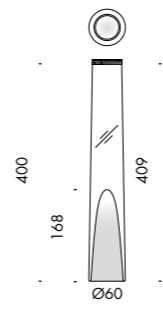
domenico de palo ★ CE ⓘ

Vb9.580.114.t ddp01 trasparente,sabbiato · transparent, sanded 0,5



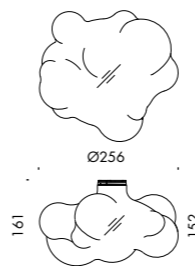
kengo kuma ★ CE ⓘ

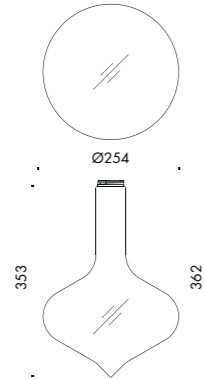
Vb9.580.07.c kk01 cristallo · crystal 0,3



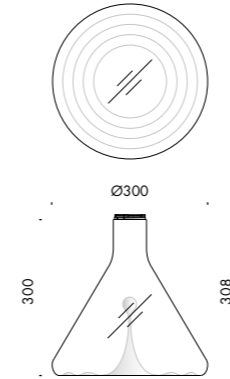
winy maas ★ CE ⓘ

Vb9.580.09.t wm01 trasparente · transparent 0,6

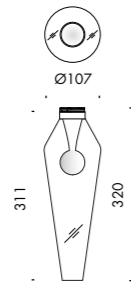




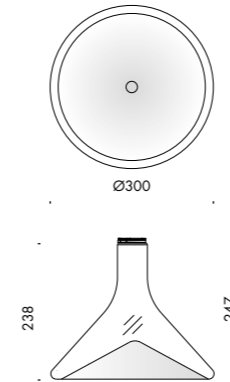
rdai ★ CE ⓘ
Vb9.580.12.t rdai01 trasparente · transparent 0,6



max lam ★ CE ⓘ
Vb9.580.13.t ml01 trasparente · transparent 1,4



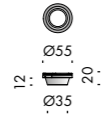
tzach cohen ★ CE ⓘ
Vb9.580.180.ts tc01 trasparente, sabbato · transparent, sanded 0,4



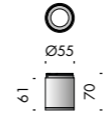
gio tirotto ★ CE ⓘ
Vb9.580.17.t gt01 trasparente, sabbato · transparent, sanded 1



accessori per lampadina trasparente. transparent bulb accessories. ★ CE ⓘ
Vb9.580.160 trappola di luce antiabbagliamento nero
 anti-glare black light trap 0,03



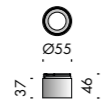
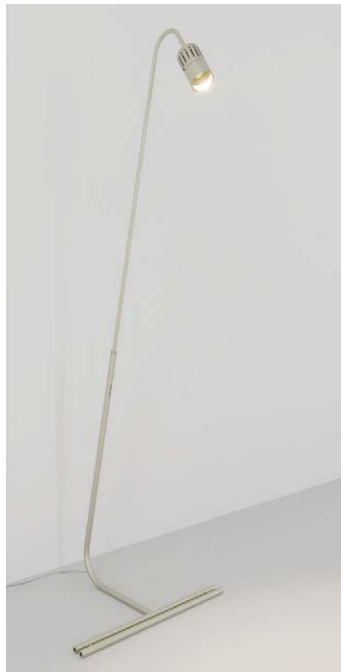
spot35		★	€	i
Vb9.580.21	argento hacca	87° les19	0,1	
Vb9.580.22	nero55	87° les19	0,1	



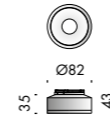
spot55x61		★	€	i
Vb9.580.25	argento hacca	36° les19	0,2	
Vb9.580.26	nero55	36° les19	0,2	
Vb9.580.27	argento hacca	47° les19	0,2	
Vb9.580.28	nero55	47° les19	0,2	



accessori spot55. accessories.		★	€	i
Vb9.580.91	frangiluce nido d'ape · honeycomb louvre		0,01	
Vb9.580.92	lente ellittica · elliptical lens		0,04	

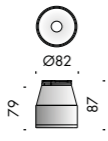
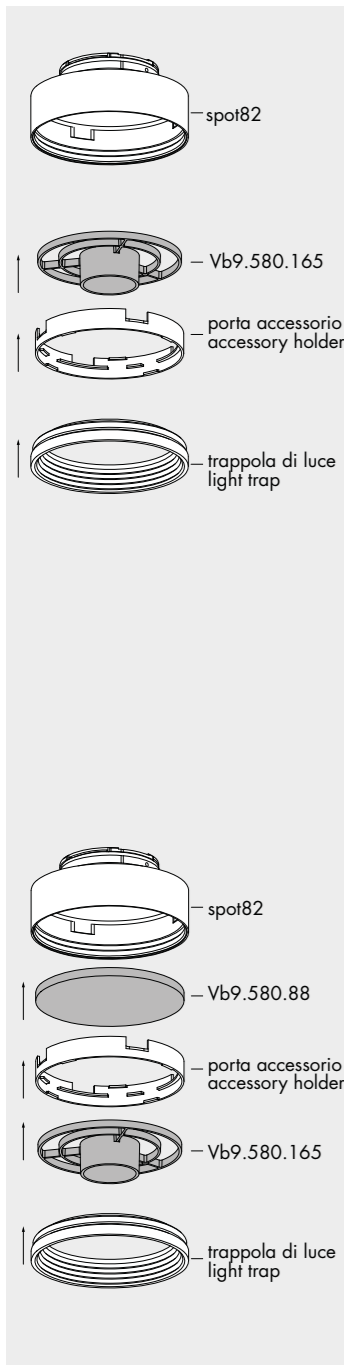


spot55x37		★	€	i
Vb9.580.121	argento hacca	18° les9	0,1	
Vb9.580.122	nero55	18° les9	0,1	
Vb9.580.123	argento hacca	23° les9 ● 30° les19 ●	0,1	
Vb9.580.124	nero55	23° les9 ● 30° les19 ●	0,1	
Vb9.580.125	argento hacca	36° les9 ● 38° les19 ●	0,1	
Vb9.580.126	nero55	36° les9 ● 38° les19 ●	0,1	



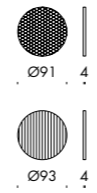
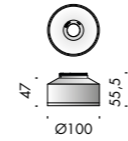
spot82x35		★	€	i
Vb9.580.131	argento hacca	13° les9 ●	0,1	
Vb9.580.132	nero55	13° les9 ●	0,1	
Vb9.580.133	argento hacca	19° les9 ●	0,1	
Vb9.580.134	nero55	19° les9 ●	0,1	
Vb9.580.135	argento hacca	23° les9 ● 31° les19 ●	0,1	
Vb9.580.136	nero55	23° les9 ● 31° les19 ●	0,1	
Vb9.580.139	argento hacca	35° les9 ● 42° les19 ●	0,1	
Vb9.580.140	nero55	35° les9 ● 42° les19 ●	0,1	





spot82x79		★	€	ⓘ
Vb9.580.31	argento hacca	23° les19	0,2	
Vb9.580.32	nero55	23° les19	0,2	
Vb9.580.33	argento hacca	37° les19	0,2	
Vb9.580.34	nero55	37° les19	0,2	
Vb9.580.35	argento hacca	46° les19	0,2	
Vb9.580.36	nero55	46° les19	0,2	

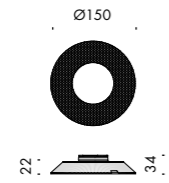
accessori spot82. accessories.		★	€	ⓘ
Vb9.580.86	frangiluce nido d'ape · honeycomb louvre		0,01	
Vb9.580.87	lente ellittica · elliptical lens		0,05	
Vb9.580.88	vetro albarino · albarino glass		0,05	
Vb9.580.165	anti abbagliamento · anti-glare		0,03	



spot100		★	€	ⓘ
Vb9.580.37	argento hacca	10° les9	16° les19	0,1
Vb9.580.38	nero55	10° les9	16° les19	0,1
Vb9.580.39	argento hacca	22° les9	25° les19	0,1
Vb9.580.40	nero55	22° les9	25° les19	0,1
Vb9.580.41	argento hacca		40° les19	0,1
Vb9.580.42	nero55		40° les19	0,1
Vb9.580.43	argento hacca		54° les19	0,1
Vb9.580.44	nero55		54° les19	0,1

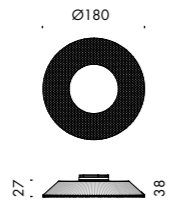
accessori spot100. accessories.		★	€	ⓘ
Vb9.580.93	frangiluce nido d'ape · honeycomb louvre		0,01	
Vb9.580.94	lente ellittica · elliptical lens		0,05	





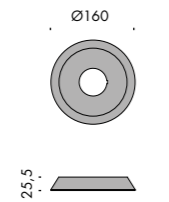
lensoptica amP150 ★ CE i

- Vb9.518.91** fascio stretto · narrow beam 13° les9 ● 0,3
22° les19 ●
- Vb9.518.92** fascio largo · wide beam 51° les19 ● 0,3



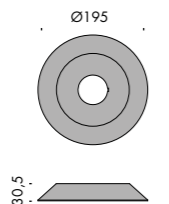
lensoptica amP180 ★ CE i

- Vb9.518.81** fascio stretto · narrow beam 10° les9 ● 0,6
15° les19 ●
- Vb9.518.82** fascio medio · medium beam 41° les19 ● 0,6
- Vb9.518.83** fascio largo · wide beam 53° les19 ● 0,6
- Vb9.518.84** fascio ellittico · elliptical beam 20°x55° les19 ● 0,6



riflettore in metallo 150 ★ CE i

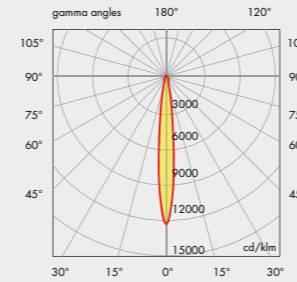
- Vb9.518.95.n** nero55 0,1
- Vb9.518.95.h** argento hacca 0,1



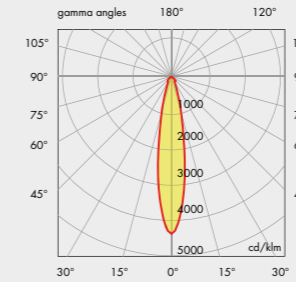
riflettore in metallo 180 ★ CE i

- Vb9.518.96.n** nero55 0,1
- Vb9.518.96.h** argento hacca 0,1

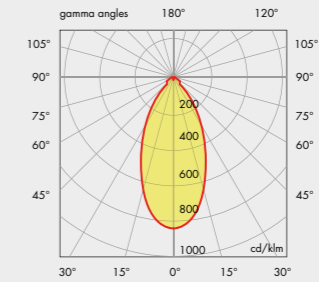
lensoptica amP150 13° les9 ●
fascio stretto · narrow beam



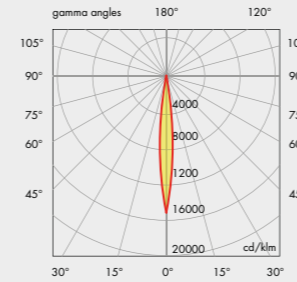
lensoptica amP150 22° les19 ●
fascio stretto · narrow beam



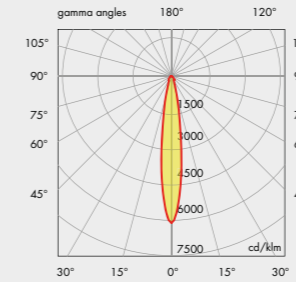
lensoptica amP150 51° les19 ●
fascio largo · wide beam



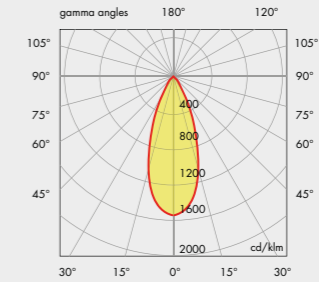
lensoptica amP180 10° les9 ●
fascio stretto · narrow beam



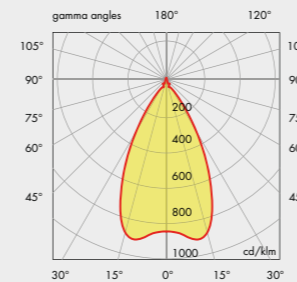
lensoptica amP180 15° les19 ●
fascio stretto · narrow beam



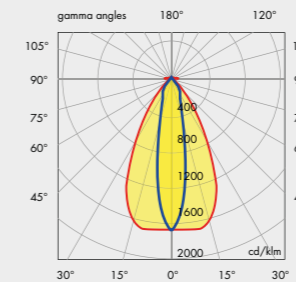
lensoptica amP180 41° les19 ●
fascio medio · medium beam



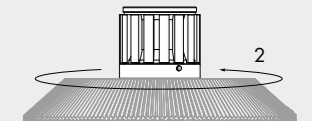
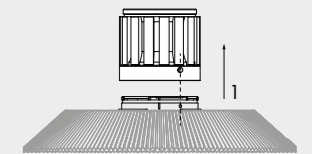
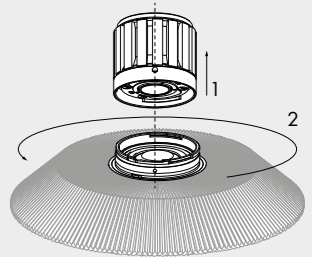
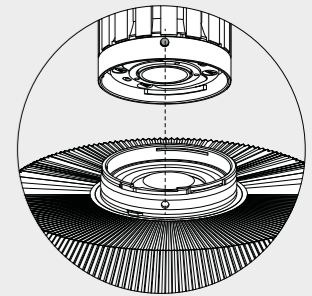
lensoptica amP180 53° les19 ●
fascio largo · wide beam



lensoptica amP180 20°x55° les19 ●
fascio ellittico · elliptical beam



lensoptica amP
installazione · mounting





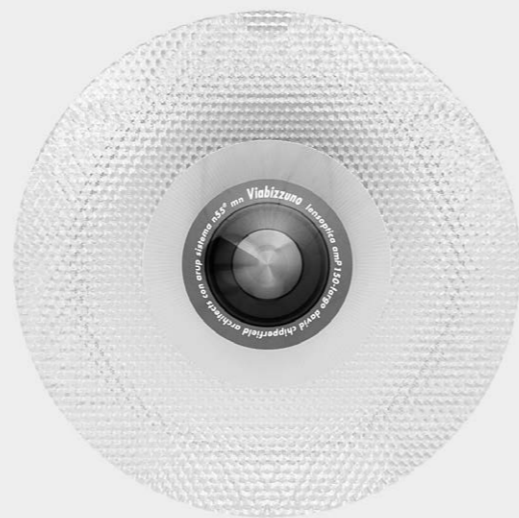
lensoptica amP150
fascio stretto · narrow beam



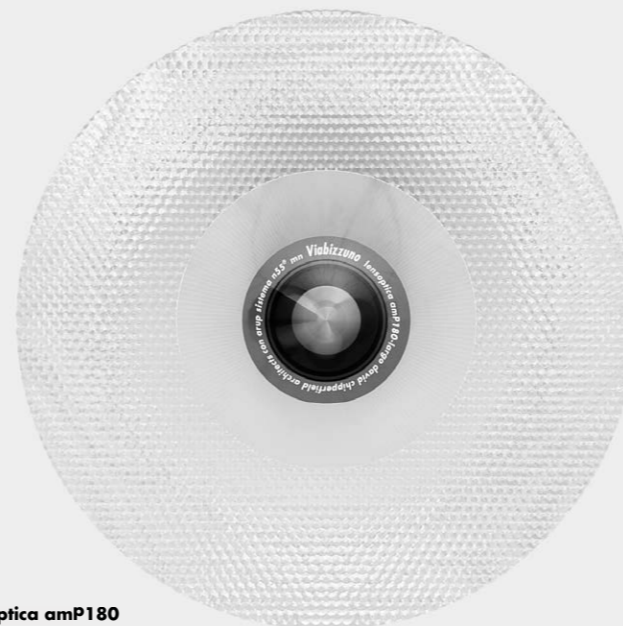
lensoptica amP180
fascio stretto · narrow beam



lensoptica amP180
fascio medio · medium beam



lensoptica amP150
fascio largo · wide beam



lensoptica amP180
fascio largo · wide beam



lensoptica amP180
fascio ellittico · elliptical beam

lensoptica amP è il risultato di una ricerca sviluppata da Viabizzuno su progetto david chipperfield architects con lo studio internazionale di ingegneria arup per fornire alle sorgenti luminose elettroniche un'ottica ad alta efficienza in grado di avere sia una luce concentrata che diffusa. L'alta efficienza viene ottenuta utilizzando un materiale ad altissima trasparenza, il polimetilmetacrilato, per mezzo di prismi catadiottrici progettati per riflettere e trasmettere la luce minimizzando le perdite per assorbimento: tali elementi riflettono verso il basso il 90% del flusso luminoso incidente e ne trasmettono il 10% garantendo così una percentuale di emissione indiretta, non ottenibile con il riflettore in metallo.

la matrice di microlenti regola in modo preciso l'ampiezza angolare del fascio luminoso. l'ampia superficie emittente garantisce un alto comfort visivo e UGR<19.

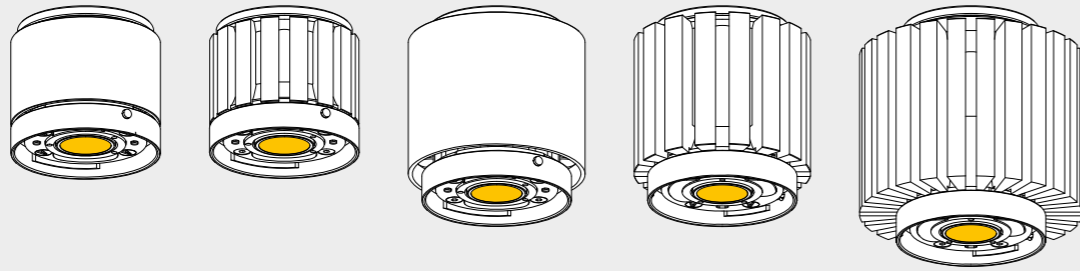
lensoptica amP is the result of a long research and development process made by Viabizzuno on a david chipperfield architects with arup, international engineering studio, design to provide electronic light sources with a high efficiency optics that can have either a focused and a diffuse light.

high efficiency is achieved thanks to a very high transparent material, i.e. polymethyl methacrylate, by means of catadioptric prisms specifically designed to reflect and transmit light reducing losses due to absorption: these elements, reflect 90% of the incident light flow downwards and transmit 10% of it, assuring this way a percentage of indirect emission which could not be reached with metal reflector.

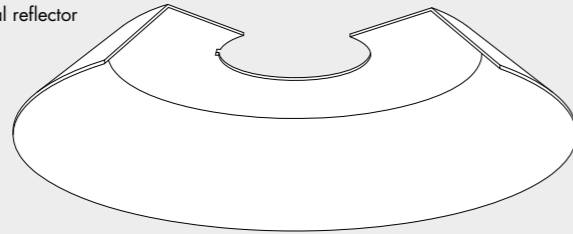
the microlens array precisely regulates the angular amplitude of the light beam.

the large emitter surface limits luminance, ensuring high visual comfort and UGR<19.

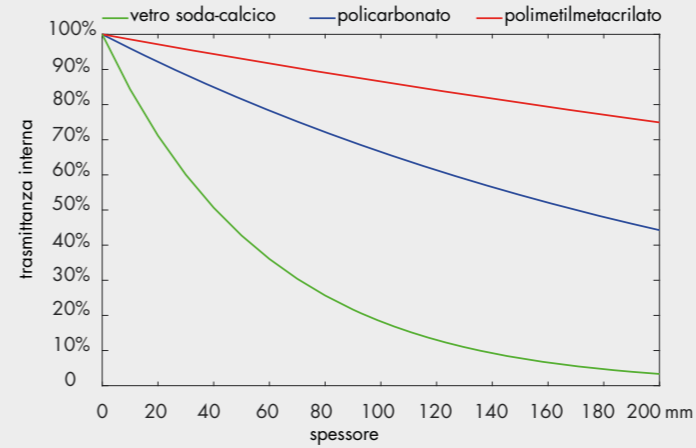
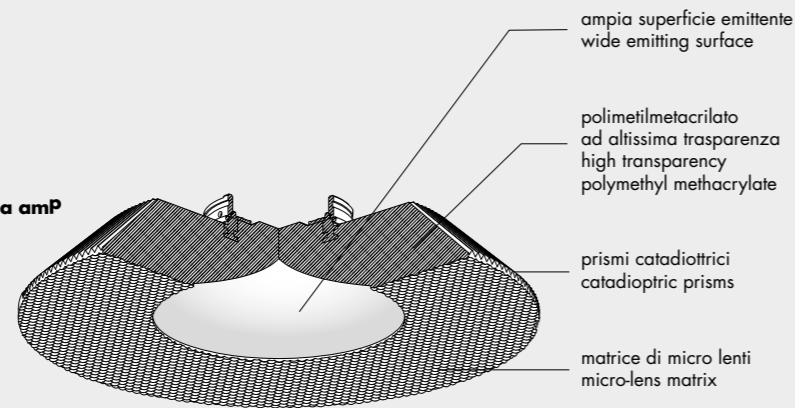
propulsore dinamico n55



riflettore in metallo · metal reflector



lensoptica amP

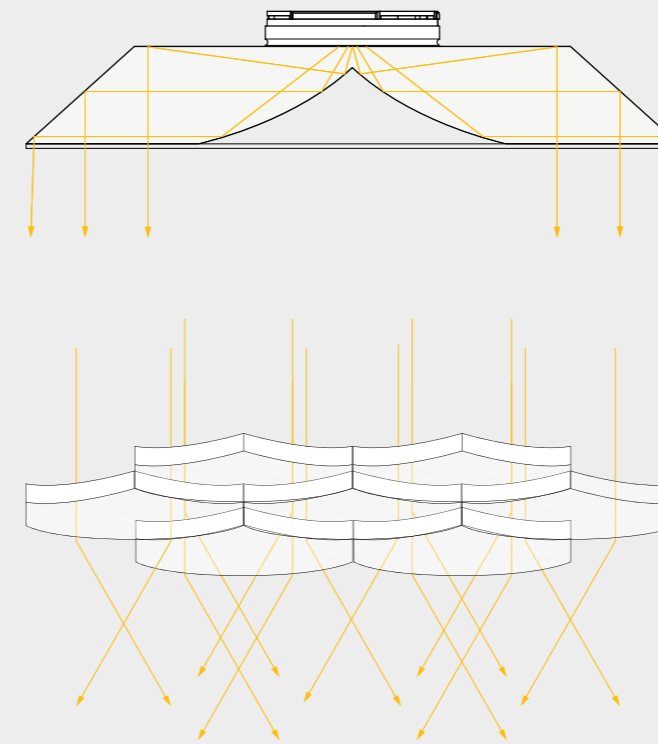


la trasmittanza interna (T) di un materiale trasparente è determinata dallo spessore (x) e dal coefficiente d'assorbimento del materiale stesso (α) secondo la legge di lambert-beer $T_{(x)} = e^{-αx}$
 the internal transmittance of a transparent material (T) is determined by the thickness (x) and by the absorbing coefficient of the material itself (α) due to lambert-beer law $T_{(x)} = e^{-αx}$

materiale	coefficiente d'assorbimento α
vetro soda calcico	0,017 mm ⁻¹
policarbonato	0,004 mm ⁻¹
polimetilmetacrilato	0,0014 mm ⁻¹

lensoptica amP è allo stesso tempo una lente e un riflettore, perché i raggi di luce subiscono rifrazione e riflessione totale interna. per questa caratteristica tecnica riesce a coniugare alta efficienza e accurato controllo direzionale della luce.

lensoptica amP is both a lens and a reflector at the same time, because the rays of light undergo refraction and total internal reflection. for this technical characteristic it combines high efficiency and accurate directional control of light.



la superficie emittente di **lensoptica amP** è dotata di una matrice di microlenti. ogni microlente riceve un fascio collimato e in funzione della curvatura ne allarga l'apertura angolare in modo controllato. la sovrapposizione dei contributi delle singole microlenti produce una distribuzione d'illuminazione uniforme.

le **lensoptica amP** si suddividono in quattro categorie di apertura angolare del fascio: stretto, medio, largo ed ellittico. il valore esatto dell'angolo dipende dal diametro della sorgente.

lensoptica amP emitter surface is equipped with a microlens array. each microlens receives a collimated beam and according to its curvature it enlarges the angular opening in a controlled way. the overlap of the emissions of each microlens creates a uniform distribution of illumination.

lensoptica amP are divided into four categories based on the angular opening of the beam: narrow, medium, wide and elliptical. the exact value of the angle depends on the source diameter.



lettura delle tabelle tecniche how to read technical tables

xxxxxxxxxxxxxxxx										230V 50-60Hz		A	⊕	IP66	⚡	UL	CE	🔒
a	b	c	d	e	f	g	g	h	i									

xxxxxxxxxxxxxxxx										230V 50-60Hz		A	⊕	IP66	⚡	UL	CE	🔒	
Vbx.xxx.xx	nero55	3000K		35W						1,5									
l	m	n		o						i									

componenti. components. IK10 CE 🔒

accessori. accessories. IK10 CE 🔒

1	2	3	4	5	6	7	8	9										
Ra	R9	ies tm-30		sdcM	mA	V _{f (min)}	lm	W	lm/W									
98	98	Rf 96	Rg 103	step 1	350	27,6	1240	9,7	128									
500	27,9	1580	14,0	113														
xm000	les19	☀️	Ta25 °C	vita media · average life	70000 h	L80	B10											
10	11						12	13										

bandella tecnica. posizioni standard simbologie.
data plate. standard arrangement of symbols.

a	nome apparecchio di illuminazione · light fitting name
b	tensione di alimentazione · supply rating (Volt)
c	frequenza di alimentazione · supply frequency (Hertz)
d	alimentatore incluso o escluso · power supply included or not included
e	classe di isolamento · insulation class
f	grado di protezione · protection degree
g	marchio di certificazione · safety and quality standards certification
h	conforme alle direttive europee produced in compliance with EC directives
i	peso netto · net weight (kg)
l	codice · code
m	finitura · finish
n	temperatura colore sorgente elettronica colour temperature led source (Kelvin)
o	potenza della sorgente · source power (Watt)

componenti. identifica tutti gli elementi indispensabili per la corretta funzionalità e installazione dell'apparecchio di illuminazione.
components. includes all items that are essential to the correct operation and installation of the light fitting.

accessori. si riferisce alle ulteriori parti installabili sull'apparecchio.
accessories. refers to items that can be added to the light fitting.

1	indice di resa cromatica · colour rendering index
2	indice di resa del rosso · red colour rendering index
3	Rf indice di fedeltà colore · colour fidelity index Rg indice di saturazione colore · color gamut index
4	step di macadam · macadam step
5	corrente di alimentazione · power supply current
6	tensione di alimentazione · power supply voltage
7	flusso luminoso · light flux
8	potenza della sorgente · source power
9	efficienza della sorgente · source efficiency
10	codice sorgente elettronica Viabizzuno · Viabizzuno led source code
11	superficie emittente · light emitting surface (mm)
12	% flusso residuo a fine vita · end life % flux
13	% consentita sotto limite · allowed % under limit

gradi di protezione protection degrees

IPOX	non protetto no protection
IP1X	contro corpi estranei >50 mm protection against solid objects
IP2X	contro corpi estranei >12 mm protection against solid objects
IP3X	contro corpi estranei >2,5 mm protection against solid objects
IP4X	contro corpi estranei >1 mm protection against solid objects
IP5X	protezione da polvere dust-protected
IP6X	stagno alla polvere dust-proof

IPX0	non protetto no protection
IPX1	protetto contro la caduta verticale di gocce d'acqua protected against water drops falling vertically
IPX2	protetto contro la caduta di gocce con inclinazione max 15° protected against water drops max inclination 15°
IPX3	protetto contro la caduta di gocce con inclinazione max 60° protected against water drops max inclination 60°
IPX4	protetto contro spruzzi d'acqua protected against sprinkling water
IPX5	protetto contro getti d'acqua protected against water jets
IPX6	protetto contro inondazioni protected against flooding
IPX7	per breve immersione protected against brief immersions
IPX8	per immersione prolungata protected against long immersion

IK01	nessuna protezione no protection
IK01	protetto contro l'energia d'urto 0,15J protected against collision energy
IK02	protetto contro l'energia d'urto 0,2J protected against collision energy
IK03	protetto contro l'energia d'urto 0,35J protected against collision energy
IK04	protetto contro l'energia d'urto 0,5J protected against collision energy
IK05	protetto contro l'energia d'urto 0,7J protected against collision energy
IK06	protetto contro l'energia d'urto 1J protected against collision energy
IK07	protetto contro l'energia d'urto 2J protected against collision energy
IK08	protetto contro l'energia d'urto 5J protected against collision energy
IK09	protetto contro l'energia d'urto 10J protected against collision energy
IK10	protetto contro l'energia d'urto 20J protected against collision energy

legenda simboli symbols key

	<i>tavolo</i> · table
	<i>terra</i> · floor standing
	<i>soffitto</i> · ceiling
	<i>parete</i> · wall
	<i>sospensione</i> · suspension
	<i>binario</i> · track
	<i>incasso</i> · recessed
	<i>scomparsa totale</i> · fully concealed
	<i>segnaletica+emergenza</i> · signalling system+emergency
	<i>portatili autoalimentati a batteria</i> · portable self-powered with battery
	<i>sistemi</i> · systems
	<i>palo</i> · pole
	<i>paletto</i> · bollard
	<i>seduta</i> · sitting
	<i>disponibile su</i> · available on <i>Viabizzuno applight</i> <i>www.Viabizzuno.com</i> <i>Viabizzuno online</i>
	<i>classe I. solo isolamento fondamentale, le parti conduttrici accessibili sono collegate ad un conduttore di terra. messa a terra tassativa</i> class I. only basic insulation, accessible conductors are earthed. earthing compulsory
	<i>classe II. all'isolamento principale è aggiunto un secondo isolamento oppure ai due isolamenti è sostituito un isolamento rinforzato. messa a terra esclusa</i> class II. basic insulation plus second insulation or both are replaced by reinforced insulation. earthing excluded
	<i>classe III. alimentazione effettuata con bassissima tensione di sicurezza; sono escluse tensioni superiori a 50V-50Hz. messa a terra non prevista.</i> class III. very low safety supply tension; not to be used over 50V-50Hz. earthing excluded.
	<i>prodotto conforme alle direttive europee</i> · produced in compliance with ec directives
	<i>marchio di certificazione europea. certifica che il prodotto è conforme alle norme europee sulla sicurezza</i> component approved for north american market and suitable to be used and approved as part of a more complex system
	<i>componente certificato per il mercato nord americano idoneo ad essere utilizzato e valutato come parte di in un sistema più complesso</i> component approved for north american market and suitable to be used and approved as part of a more complex system
	<i>apparecchio di illuminazione approvato da kema</i> · kema approved light fitting
	<i>prodotto conforme agli standard presenti nel regno unito che regolamentano la sicurezza e la qualità dell'acqua</i> · product complies with uk standards set out by water regulations
	<i>apparecchio di illuminazione certificato secondo le normative vigenti in polonia che regolamentano i dispositivi di sicurezza antincendio</i> certified light fitting according to the regulations about devices for fire safety in force in poland
	<i>prodotto idoneo per essere commercializzato nel mercato cinese</i> · product suitable for the china market
	<i>prodotto finito idoneo per essere commercializzato nel mercato nord americano</i> · listed product suitable for the north american market
	<i>apparecchio di illuminazione certificato per il mercato cinese</i> light fitting certified for china market

	<i>vetro opalino</i> · opal glass
	<i>vetro sabbiato</i> · sanded glass
	<i>vetro nero fumè</i> · black smoke glass
	<i>vetro trasparente</i> · transparent glass
	<i>vetro bianco latte</i> · white milk glass
	<i>cristallo</i> · crystal
	<i>policarbonato opalino</i> · opal polycarbonate diffuser
	<i>carrabile</i> · drive over
	<i>alimentatore incluso</i> · power supply included
	<i>alimentatore escluso</i> · power supply not included
	<i>alimentatore remoto incluso</i> · remote power supply included
	<i>alimentatore elettronico con controllo intelligente incluso</i> · electronic power supply with smart control included
	<i>alimentatore elettronico con controllo intelligente incluso, da installare remoto</i> · electronic power supply with smart control included, to be installed remotely
	<i>alimentatore a spina incluso</i> · plug power supply included
	<i>trasformatore incluso</i> · transformer included
	<i>trasformatore escluso</i> · transformer not included
	<i>kit di cablaggio</i> · wiring kit
	<i>kit di cablaggio escluso</i> · wiring kit not included
	<i>lampadina con sorgente elettronica led, ad incandescenza, alogena o fluorescente inclusa.</i> bulb with led electronic source, incandescent, halogen or fluorescent included.
	<i>lampadina con sorgente elettronica led, ad incandescenza, alogena o fluorescente esclusa.</i> bulb with led electronic source, incandescent, halogen or fluorescent not included.
	<i>propulsore dinamico n55 incluso</i> · included
	<i>possibilità di combinazione tra interfaccia n55, propulsore dinamico n55 e lampadina n55</i> · possible combination between n55 interface, propulsore dinamico n55 and n55 bulb
	<i>attenzione: sorgente luminosa led. non guardare mai direttamente a occhio nudo</i> · attention: led light source. never look straight without eye protection
	<i>flicker free compatibile con fotocamere digitali</i> · flicker free digital camera friendly
l.d.	<i>luce diretta</i> · direct light
l.i.	<i>luce indiretta</i> · indirect light
.d1	<i>dimmerazione 1-10V</i> · 1-10V dimmable
.d2	<i>dimmerazione dali</i> · dimmable dali
.SA	<i>kit luce + emergenza sempre accese. attenzione: non è possibile installare nelle cassaforme laterizio</i> light kit + permanently lit emergency lamp. please note: cannot be installed in brickwork housing
.SE	<i>solo emergenza sempre accesa. attenzione: non è possibile installare nelle cassaforme laterizio</i> permanently lit emergency lamp only. please note: cannot be installed in brickwork housing
	<i>peso netto</i> · net weight (kg)