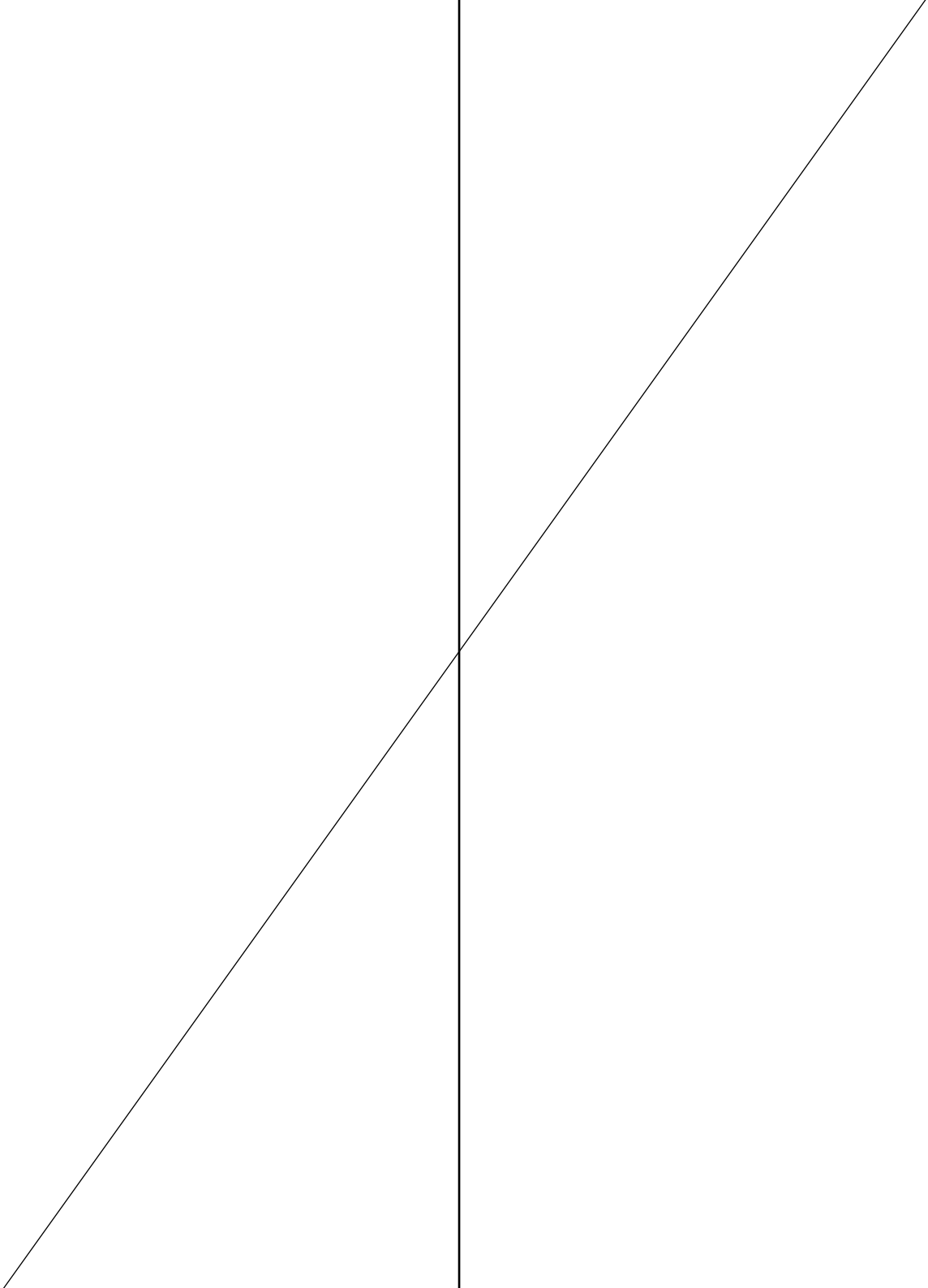




Viabizzuno *progettiamo la luce*

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.

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 21 07 1955 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. mario nanni

*i progetti rendono gli oggetti eterni,
le mode li corrompono, gli imbecilli li copiano
e li vendono agli ignoranti e ai deficienti.
noi progettiamo e lavoriamo per aiutare la luce
ad emozionarvi.*

*i frutti delle nostre idee e dei nostri progetti
sono protetti da brevetti
e/o modelli registrati
e/o da diritto d'autore.*

design makes objects timeless,
fashion corrupts them,
fools copy them and sell them to
ignorants and idiots.
we do projects and work to help light to bring
you true emotion.
the results of our ideas and our projects
are protected by patents
and/or registered models
and/or copyright.

al fine di offrire ai nostri clienti la massima qualità della luce utilizzando le più avanzate tecnologie, forti del nostro sapere artigiano costruito in Italia, aggiorniamo costantemente i nostri apparecchi di illuminazione.

Viabizzuno si riserva il diritto di apportare ai propri modelli, senza nessun preavviso, qualsiasi modifica ritenesse opportuna. per dimensioni e codici fanno fede i nostri strumenti di lavoro www.Viabizzuno.com, [Viacommerce@](mailto:Viacommerce@Viabizzunoapplight.com), [Viabizzunoapplight](http://Viabizzunoapplight.com) e [Viabizzunoonline](http://Viabizzunoonline.com). la progettazione degli apparecchi di illuminazione e dei relativi componenti è eseguita utilizzando i millimetri come unità di misura. le dimensioni espresse in pollici sono indicative e frutto di conversioni soggette a tolleranze.

in order to provide to our customers the maximum quality of light using the most advanced technologies, being strong of our artisan knowledge made in Italy, we constantly update our lighting fixtures.

Viabizzuno reserves the right to make any modification, considered worthwhile, to its own models, without any notification. for valid dimensions and codes please consult our working tools www.Viabizzuno.com, [Viacommerce@](mailto:Viacommerce@Viabizzunoapplight.com), [Viabizzunoapplight](http://Viabizzunoapplight.com) and [Viabizzunoonline](http://Viabizzunoonline.com). when designing lighting fixtures and related components, the unit of measure used is the millimetre. dimensions expressed in inches are indicative and are the result of conversions subject to tolerances.

lettura delle tabelle tecniche how to read technical tables

xxxxxxxxxxxxxx				120V 50-60Hz	A	wet	UL	UL	US	i
						damp	UL			
						dry	UL			
							pending			
a	b	c	d	e	f	f	g			

xxxxxxxxxxxxxx				120V 50-60Hz	A	wet	UL	UL	US	i
Vbx.xxx.xx				nero55	3000K	35W	20°	0,8kg	1.8lb	
h	i	l	m	n	g					

componenti. components.

accessori. accessories.

1	2	3	4	5	6	7	8	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	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	classificazione ambiente di installazione · installation location rating
f	marchio di certificazione · safety and quality standards certification
g	peso netto · net weight (kg/lb)
h	codice · code
i	finiture · colours and finishes
l	temperatura colore sorgente elettronica colour temperature led source (Kelvin)
m	potenza della sorgente · source power (Watt)
n	gradi fascio luminoso · light beam degrees

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

legenda simboli symbols legenda

	prodotto in conformità con le direttive nord americane sui soffioni doccia · produced in compliance with showerheads northamerican directives
	componente certificato per il mercato nord americano idoneo ad essere utilizzato e valutato come parte di in un sistema più complesso component approved for north american market and suitable to be used and approved as part of a more complex system
	prodotto finito idoneo per essere commercializzato nel mercato nord americano · listed product suitable for the north american market
	prodotto finito idoneo per essere commercializzato nel mercato nord americano · listed product suitable for the north american market
	apparecchio di illuminazione in corso di certificazione per essere commercializzato nel mercato nord americano light fitting undergoing certification to be marketed in the north american market
wet	prodotto classificato per uso esterno · product classified for outdoor use
damp	prodotto classificato per uso interno in ambienti umidi (bagno, sauna, ecc..) · product classified for indoor use in damp environments (bathrooms, saunas, etc.)
dry	prodotto classificato per uso interno in ambienti asciutti · product classified for indoor use in dry environments
type ic	apparecchio di illuminazione ad incasso progettato per funzionare a contatto con materiale isolante. recessed luminaire designed to work in contact with thermal insulation.
type non-ic	apparecchio di illuminazione ad incasso progettato per funzionare in intercapedini che abbiano una certa distanza da materiali isolanti. recessed luminaire designed to work in cavities that have a minimum dimensions and spacings to thermal insulation.
title24	prodotto conforme allo standard title24 · product compliant with title24 standard
	vetro opalino · opal glass
	vetro sabbiato · sanded glass
	vetro nero fumè · black smoke glass
	vetro trasparente · transparent glass
	vetro bianco latte · white milk glass
	cristallo · crystal
	policarbonato opalino · opal polycarbonate diffuser
	carrabile · drive over
a	fascio asimmetrico · asyetric beam
e	fascio ellittico · elliptical beam
w	wallwasher



alimentatore incluso · power supply included



alimentatore escluso · power supply not included



alimentatore remoto incluso · remote power supply included



alimentatore elettronico con controllo intelligente incluso · electronic power supply with smart control included



alimentatore elettronico con controllo intelligente incluso, da installare remoto · electronic power supply with smart control included, to be installed remotely



alimentatore a spina incluso · plug power supply included



trasformatore incluso · transformer included



kit di cablaggio incluso · wiring kit not included



kit di cablaggio escluso · wiring kit not included



lampadina con sorgente elettronica led, ad incandescenza, alogena o fluorescente inclusa.
bulb with led electronic source, incandescent, halogen or fluorescent included.



lampadina con sorgente elettronica led, ad incandescenza, alogena o fluorescente esclusa.
bulb with led electronic source, incandescent, halogen or fluorescent not included.



propulsore dinamico n55 incluso · included



attenzione: sorgente luminosa led. non guardare mai direttamente a occhio nudo · attention: led light source. never look straight without eye protection



peso netto · net weight (kg)



possibilità di combinazione tra interfaccia n55, propulsore dinamico n55 e lampadina n55 · possible combination between n55 interface, propulsore dinamico n55 and n55 bulb



luce diretta · direct light



luce indiretta · indirect light



disponibile su · available on Viabizzuno applight www.Viabizzuno.com Viabizzuno online



apparecchio di illuminazione da terra per interni, realizzato in alluminio ossidato e zama verniciata a polvere. composto da una base 200x200mm/7.9x7.9" in cui sono innestate due aste diametro Ø13mm/0.5" h.1000mm/39.4" o h.1800mm/70.9".

modelli:

n55 terra con diffusore decorativo hm02,

n55 terra con diffusore decorativo dc02,

n55 terra con diffusore decorativo kk01,

n55 terra con diffusore decorativo pz03,

n55 terra con diffusore decorativo pz01 e pz03,

n55 terra con diffusore decorativo wm01 e diffusore tecnico spot82x79,

n55 terra con diffusore decorativo pz01 e diffusore tecnico spot82x79,

n55 terra con diffusore decorativo hm02 e diffusore tecnico spot55x61.

cablati con propulsore dinamico n55 55/350 les19 9,7W 350mA 1240lm, e 55/500 les19 14W 500mA 1580lm Ra98 1 step macadam.

l'apposito attacco n55 permette di intercambiare tre tipi di diffusori: classico, decorativo e tecnico. eventuali irregolarità del vetro sono garanzia di un prodotto unico, soffiato e realizzato interamente a mano da maestri vetrai.

base predisposta per alloggiare due aste 48Vdc cablate con alimentatore 120V, asta cablata con converter 48V a controllo intelligente che fornisce automaticamente la corrente adeguata al tipo di propulsore.

ruotando l'asta sulla base è possibile spegnere e accendere con quattro intensità di luce differenti: luce massima (100%), luce d'ambiente (60%), luce di riposo (25%), off (0%).

finiture: argento hacca, nero55. diffusore trasparente, satinato, bianco latte.

personalizza la tua luce vai su www.Viabizzuno.com

dry location rated table light fitting for indoor use, made of oxidised aluminium and powder coated zamak alloy. consisting of a 200x200mm/7.9x7.9" base where two diameter Ø13mm/0.5" h.1000mm/39.4" or h.1800mm/70.9" rods are inserted.

versions:

n55 terra with hm02 classic diffuser,

n55 terra with dc02 decorative diffuser,

n55 terra with kk01 decorative diffuser,

n55 terra with pz03 decorative diffuser,

n55 terra with pz01 e pz03 decorative diffuser,

n55 terra with wm01 decorative bulb and spot82x79 technical diffuser,

n55 terra with pz01 decorative bulb and spot82x79 technical diffuser,

n55 terra with hm02 classic bulb and spot55x61 technical diffuser.

wired with propulsore dinamico n55 55/350 les19 9.7W 350mA 1240lm,

and 55/500 les19 14W 500mA 1580lm Ra98 1 step macadam.

the specific n55 joint allows to change three types of light diffuser: classic, decorative and technical. any irregularities in the glass are a guarantee of an unique product, blown and entirely hand crafted by master glassmakers.

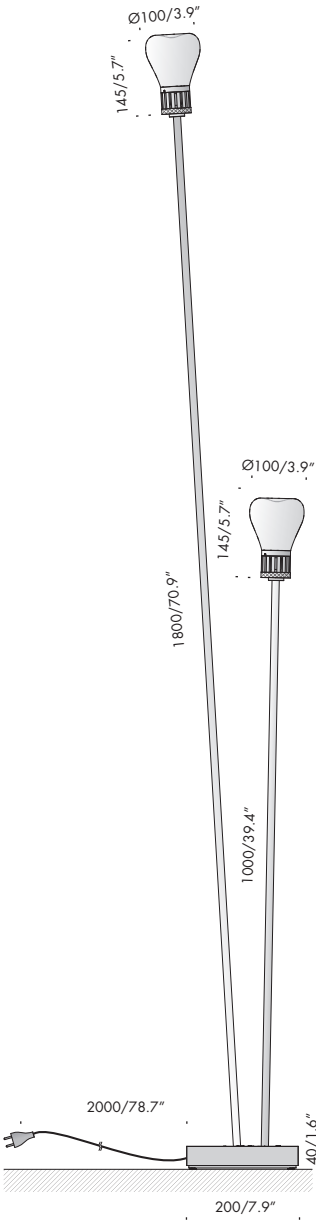
the base is designed to accommodate two rods (48Vdc) and it is wired with 120V power supply, rod wired with 48V converter with intelligent control which automatically provides the suitable current according to the type of propeller.

by turning the rod on its base four different light intensities can be achieved: maximum light (100%), ambient light (60%) and restful light (25%), off (0%).

finishes: argento hacca, nero55; transparent, satin and milk white glass.

customize your light visit www.Viabizzuno.com





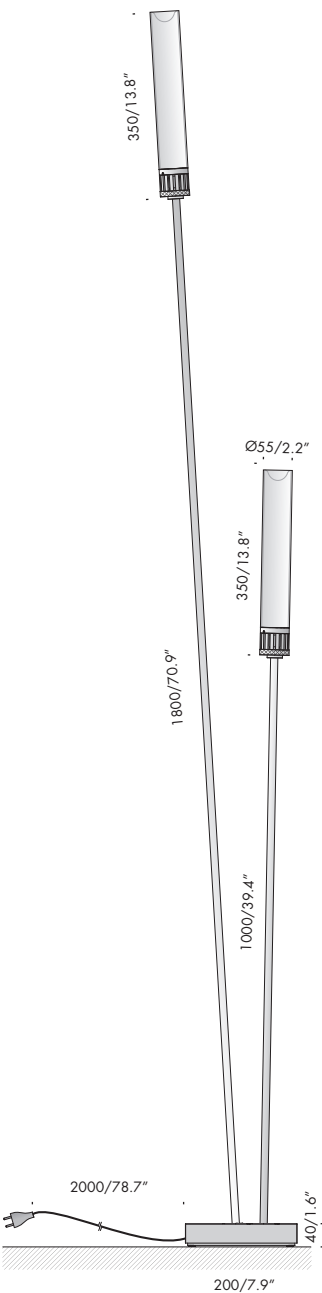
n55 terra hm02		120V 50-60Hz	A	pr	title24	dry	△	df	pr	CE	i
Via.552.0600.u	argento hacca	sabbiato sanded	2700K	les19	●	n55	10kg	22lb			
Via.552.0602.u	nero55	sabbiato sanded	2700K	les19	●	n55	10kg	22lb			

h.1800

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

h.1000

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



n55 terra dc02	120V 50-60Hz	A	Pr	title24	dry		df	Pr		
----------------	--------------	---	----	---------	-----	--	----	----	--	--

Via.552.0604.u	argento hacca	sabbiato sanded	2700K	les19		n55	10kg 22lb
Via.552.0606.u	nero55	sabbiato sanded	2700K	les19		n55	10kg 22lb

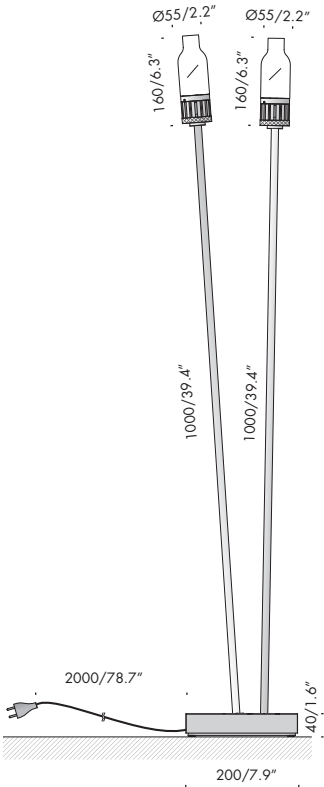


h.1800

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

h.1000

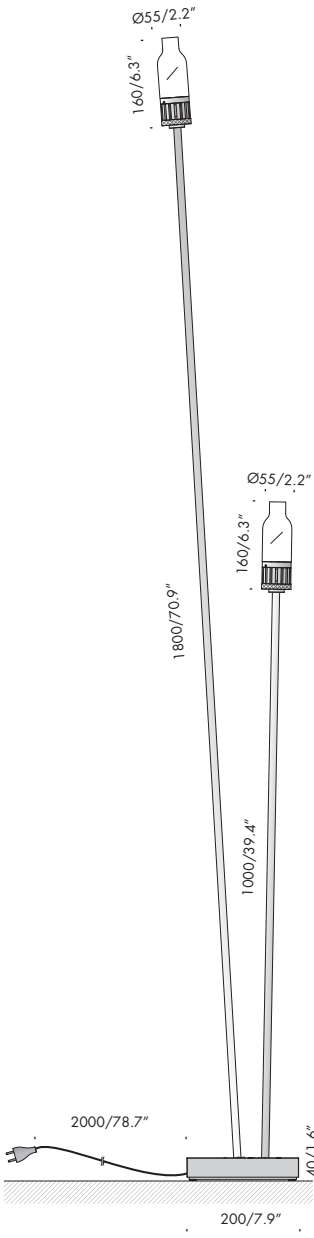
Ra	R9	ies tm-30		sdc	mA	V _{f (min)}	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	350	27,6	1240	9,7	128
xm000	les19	Ta25 °C		vita media · average life			70000 h	L80	B10



n55 terra kk01		120V 50-60Hz	A	PR	title24	dry	△	df	PR	Ⓢ	i
Via.552.0608.u	argento hacca	cristallo crystal	2700K	les19	●	n55	10kg 22lb				
Via.552.0612.u	nero55	cristallo crystal	2700K	les19	●	n55	10kg 22lb				

h.1000								
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	





n55 terra kk01		120V 50-60Hz	A	pr	title24	dry	△	df	pr	CE	i
Via.552.0610.u	argento hacca	cristallo	2700K	les19	●	n55	10kg	22lb			
Via.552.0614.u	nero55	cristallo	2700K	les19	●	n55	10kg	22lb			

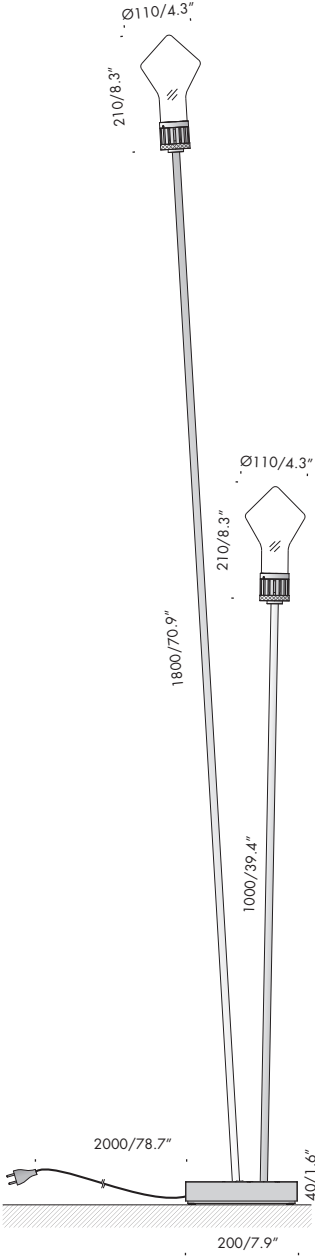
h.1800

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

h.1000

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





n55 terra pz03	120V 50-60Hz	A	pr	title24	dry	△	df	pr	Ⓢ	i
----------------	--------------	---	----	---------	-----	---	----	----	---	---

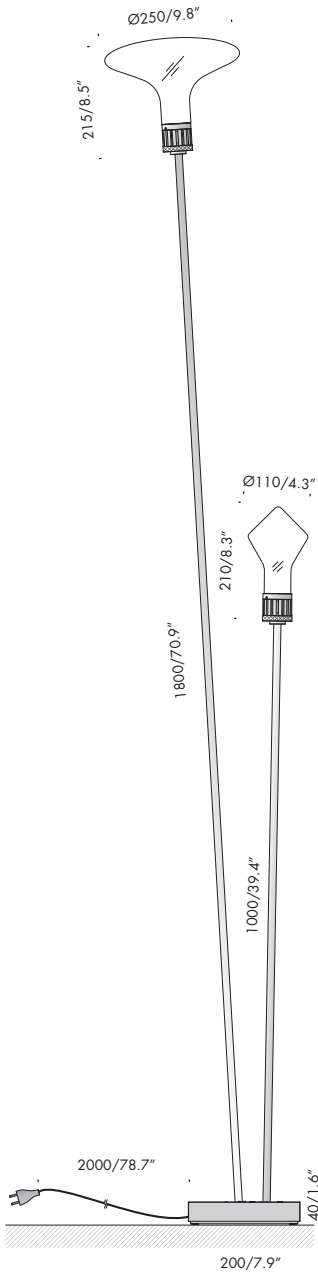
Via.552.0616.u	argento hacca	trasparente transparent	2700K	les19	●	n55	10kg 22lb
Via.552.0618.u	nero55	trasparente transparent	2700K	les19	●	n55	10kg 22lb

h.1800

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

h.1000

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



n55 terra pz01 pz03 120V 50-60Hz A pr title24 dry df pr

Via.552.0620.u argento hacca trasparente 2700K les19 n55 11kg 24.2lb
Via.552.0622.u nero55 trasparente 2700K les19 n55 11kg 24.2lb

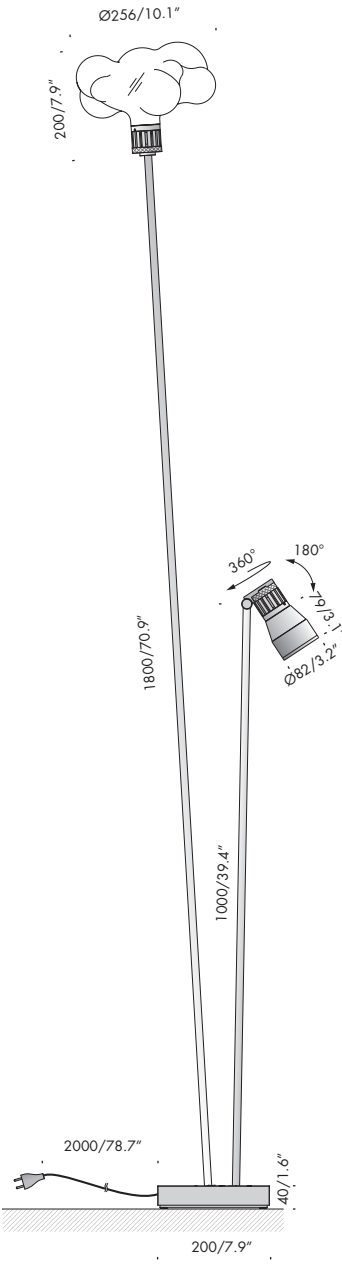
h.1800

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

h.1000

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





n55 terra wm01 spot82x79	120V 50-60Hz	A	title24	dry		df	pr		
--------------------------	--------------	---	---------	-----	--	----	----	--	--

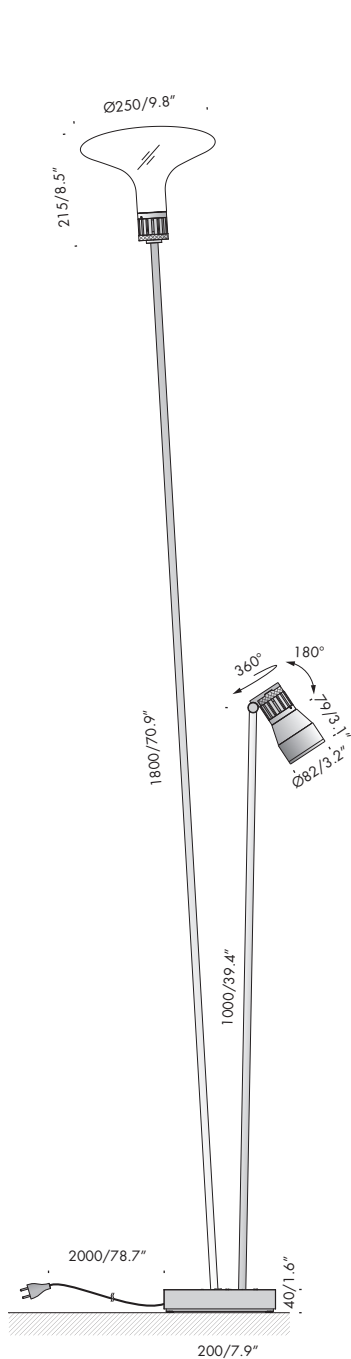
Via.552.0625.u	argento hacca	trasparente transparent	2700K les19	●	n55	11kg 24.2lb
Via.552.0627.u	nero55	trasparente transparent	2700K les19	●	n55	11kg 24.2lb

h.1800

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		

h.1000 37°

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		



n55 terra pz01 spot82x79	120V 50-60Hz	A	title24	dry	△	df	pr	Ⓢ	i
--------------------------	--------------	---	---------	-----	---	----	----	---	---

Via.552.0629.u	argento hacca	trasparente	2700K les19	●	n55	11kg	24.2lb
Via.552.0631.u	nero55	trasparente	2700K les19	●	n55	11kg	24.2lb

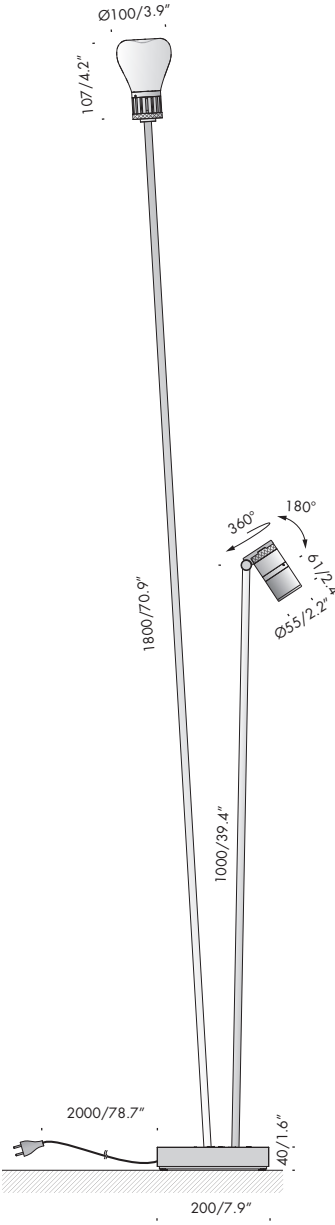
h.1800

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

h.1000 37°

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





n55 terra hm02 spot55x61	120V 50-60Hz	A	title24	dry		df	pr		i
--------------------------	--------------	---	---------	-----	--	----	----	--	---

Via.552.0633.u	argento hacca	sabbiato sanded	2700K les19	n55	10kg 22lb
Via.552.0635.u	nero55	sabbiato sanded	2700K les19	n55	10kg 22lb

h.1800

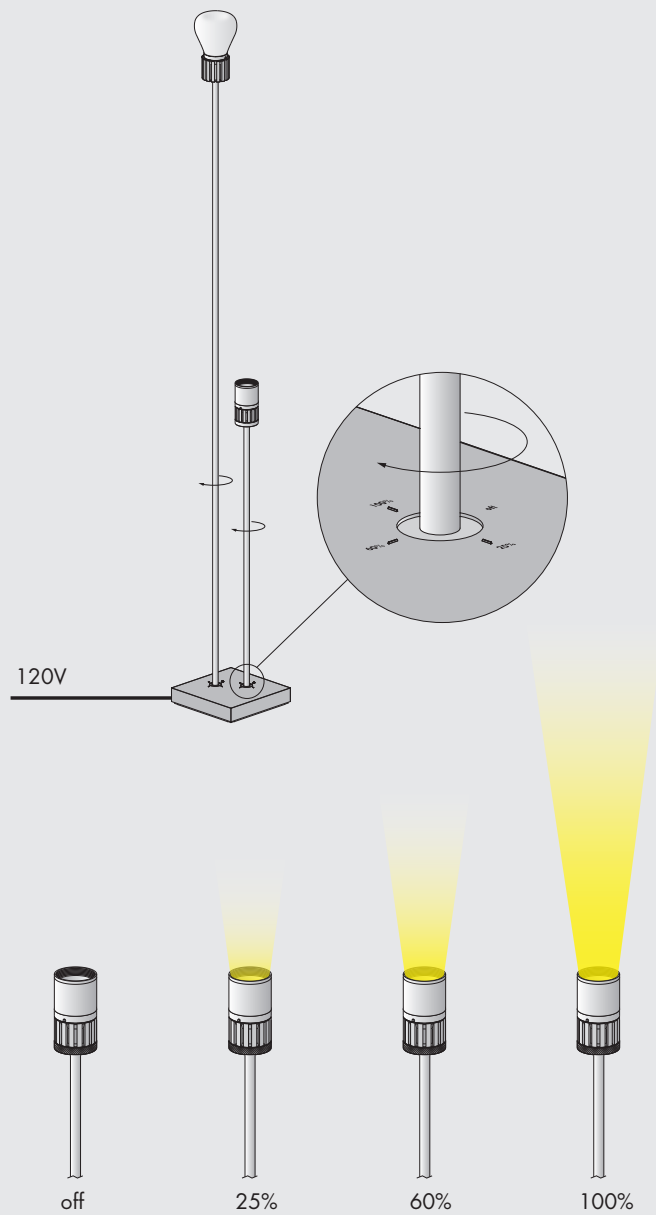
Ra	R9	ies tm-30		sdc	mA	V _{f (min)}	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	500	27,9	1580	14,0	113
xm000	les19	Ta25 °C		vita media · average life			70000 h	L80	B10

h.1000 36°

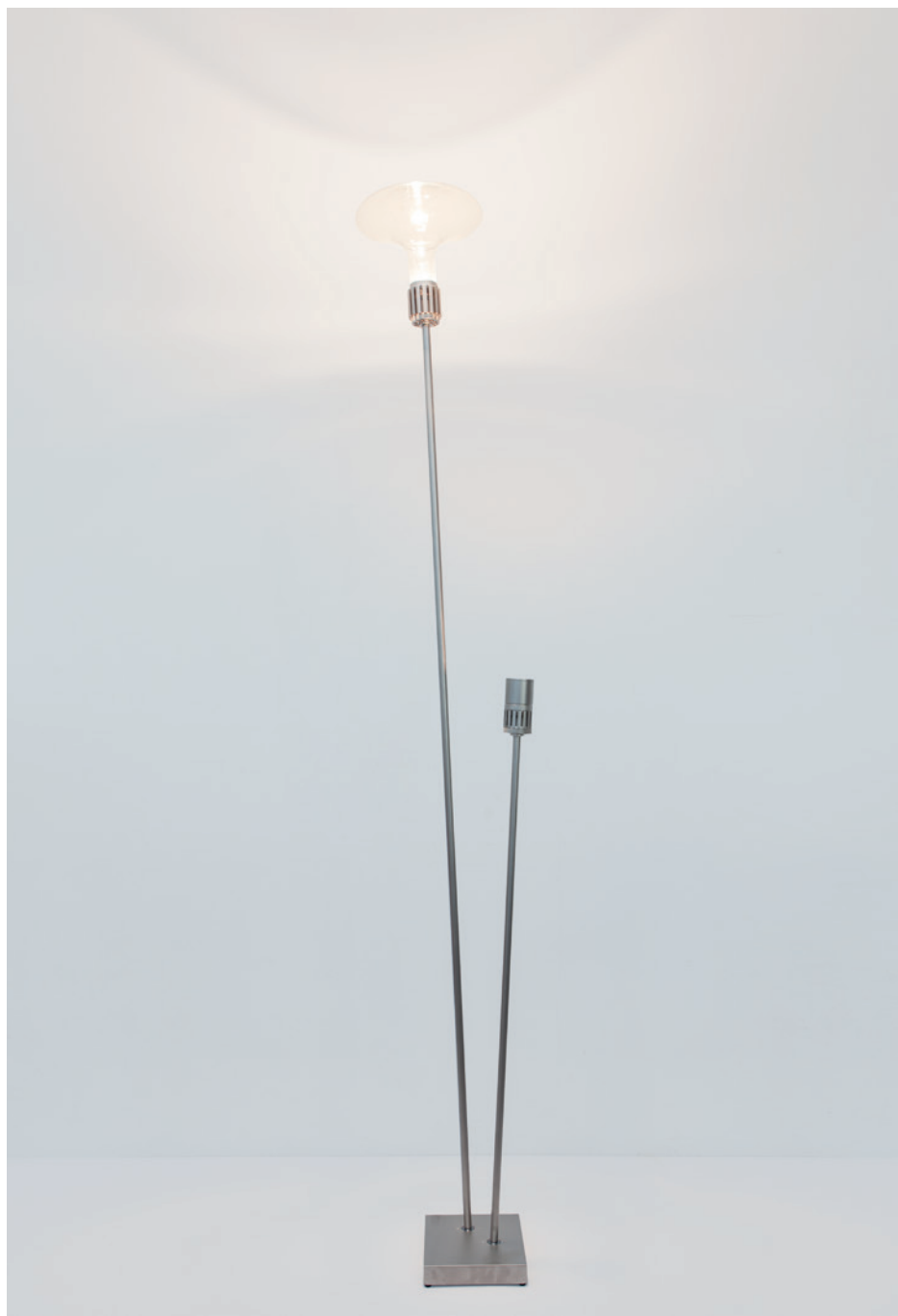
Ra	R9	ies tm-30		sdc	mA	V _{f (min)}	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	350	27,6	1240	9,7	128
xm000	les19	Ta25 °C		vita media · average life			70000 h	L80	B10



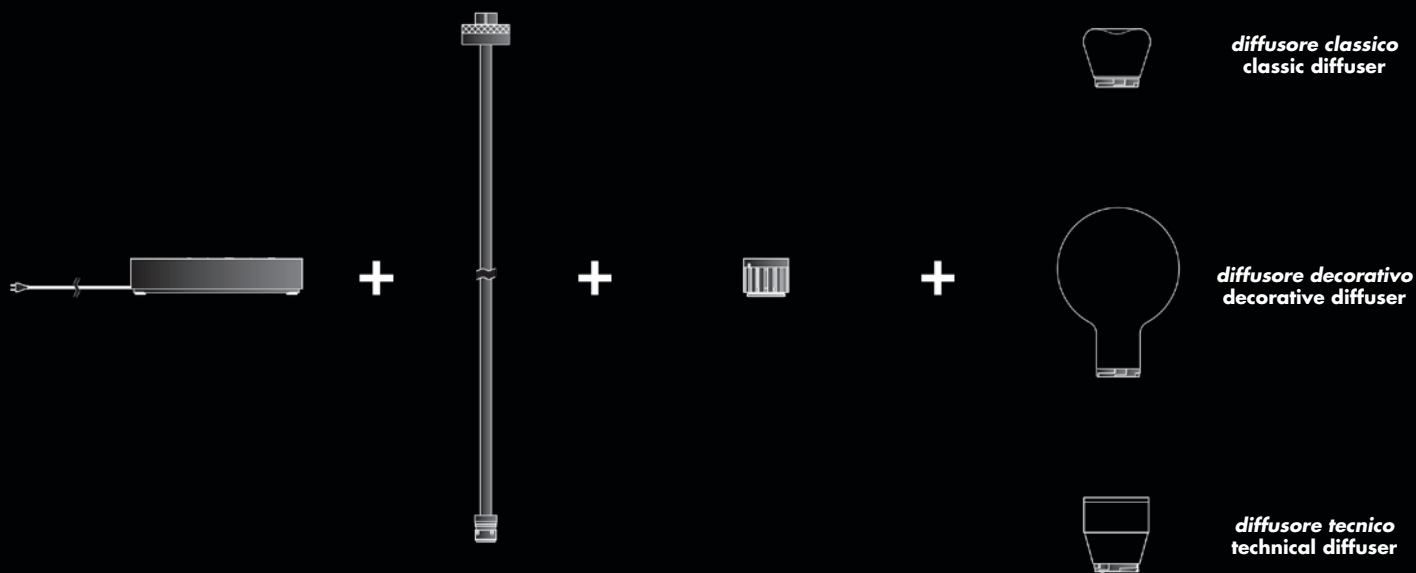
funzionamento dimmerazione · operation dimming n5 terra







personalizza la tua luce
vai su Viabizzuno.com

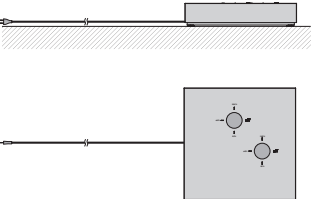
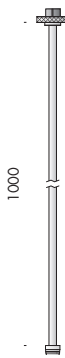
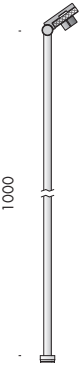
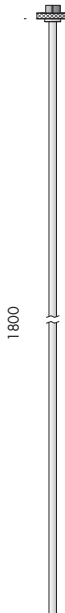


1. scegli l'interfaccia
choose the interface

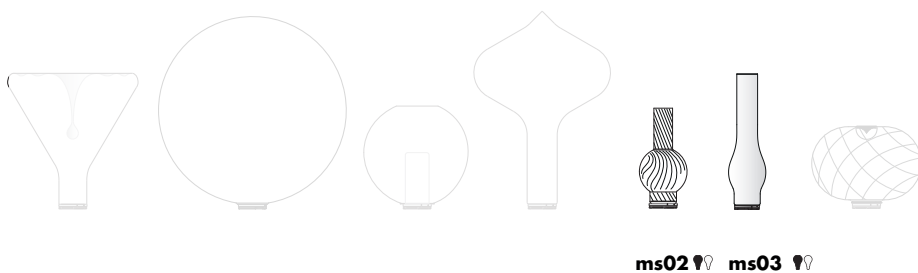
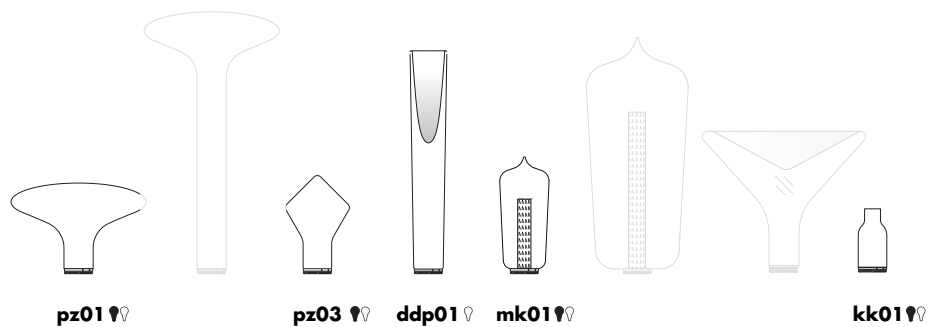
2. scegli l'asta
choose the rod

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

3. scegli il tuo diffusore classico, decorativo e tecnico
choose your classic, decorative and technical diffuser

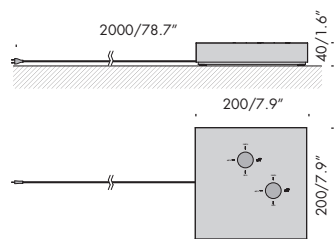
n55 terra	aste rods	propulsore dinamico n55	diffusore classico classic diffuser
n55 terra base alimentatore a spina plug-in power supply 	asta 1000  asta 1000 orientabile  asta 1800 	55/350e les19 350mA 1240lm 9,7W 128lm/W   55/350 les19 350mA 1240lm 9,7W 128lm/W   55/500 les19 500mA 1580lm 14W 113lm/W   55/500 les9 500mA 800lm 13,6W 59lm/W   65/500e les19 500mA 1580lm 14W 113lm/W   65/700 les19 700mA 2140lm 19,9W 108lm/W   65/700 les9 700mA 1110lm 19,5W 57lm/W   82/1050 les19 1050mA 3000lm 30,5W 98lm/W  	hm01  hm02 

diffusore decorativo
decorative diffuser

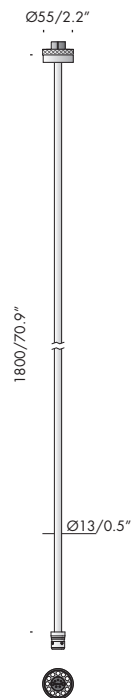


diffusore tecnico
technical diffuser

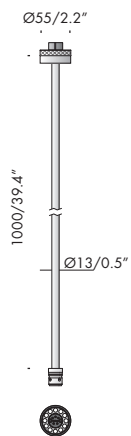
spot35  		spot55x37  		spot55x61  	
					
87°		30° 38°		36° 47°	
		18° 23° 36°			
spot82x35  			spot82x79  		
					
31° 42°			23° 37° 46°		
13° 19° 23° 35°					
spot100  					
					
16° 25° 40° 54°					
10° 22°					
lensoptica amP150  					
					
22° 51°					
13°					
lensoptica amP180  					
					
15° 41° 53° 20°x55°					
10°					



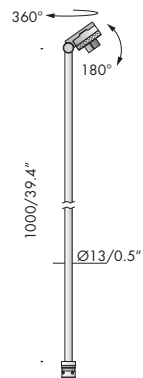
n55 terra base			120V 50-60Hz	A	title24	dry		i
Vb4.580.01.u	argento hacca	2x48Vdc						5kg 11lb
Vb4.580.02.u	nero55	2x48Vdc						5kg 11lb



asta 1800			48Vdc	A	P	S	title24	dry		i
Vb4.580.03	argento hacca	350÷1050mA					n55		0,6kg 1.3lb	
Vb4.580.04	nero55	350÷1050mA					n55		0,6kg 1.3lb	



asta 1000		48Vdc				title24	dry		
Vb4.580.07	argento hacca	350÷1050mA					n55	0,4kg 0.9lb	
Vb4.580.08	nero55	350÷1050mA					n55	0,4kg 0.9lb	



asta 1000 orientabile		48Vdc				title24	dry		
Vb4.580.11	argento hacca	350÷1050mA					n55	0,5kg 1.1lb	
Vb4.580.12	nero55	350÷1050mA					n55	0,5kg 1.1lb	



propulsore dinamico n55 55/350e				IP20				
Vb9.580.150.27	argento hacca	2700K	les19		n55	0,2		
Vb9.580.151.27	nero55	2700K	les19		n55	0,2		

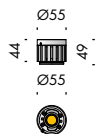
Ra	R9	ies tm-30		sdc	mA	V _{f (min)}	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	350	27,6	1240	9,7	128
xm000	les19	Ta25 °C		vita media · average life			70000 h	L80	B10

Vb9.580.150.30	argento hacca	3000K	les19		n55	0,2		
Vb9.580.151.30	nero55	3000K	les19		n55	0,2		

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

Vb9.580.150.30v	argento hacca	3000VbK	les19		n55	0,2		
Vb9.580.151.30v	nero55	3000VbK	les19		n55	0,2		

Ra	R9	ies tm-30		sdc	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 n55 55/350 **IP20**

- Vb9.580.50.27** argento hacca 2700K les19  n55 0,2
- Vb9.580.51.27** nero55 2700K les19  n55 0,2

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	

- Vb9.580.50.30** argento hacca 3000K les19  n55 0,2
- Vb9.580.51.30** nero55 3000K les19  n55 0,2

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	

- Vb9.580.50.30v** argento hacca 3000VbK les19  n55 0,2
- Vb9.580.51.30v** nero55 3000VbK les19  n55 0,2

Ra	R9	ies tm-30		sdc	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 n55 55/500

IP20

Vb9.580.62.27 argento hacca 2700K les19 n55 0,2

Vb9.580.63.27 nero55 2700K les19 n55 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
xm000	les19	Ta25 °C		vita media · average life			70000 h	L80	B10

Vb9.580.62.30 argento hacca 3000K les19 n55 0,2

Vb9.580.63.30 nero55 3000K les19 n55 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
xm001	les19	Ta25 °C		vita media · average life			70000 h	L80	B10

Vb9.580.62.30v argento hacca 3000VbK les19 n55 0,2

Vb9.580.63.30v nero55 3000VbK les19 n55 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
xm007	les19	Ta25 °C		vita media · average life			70000 h	L80	B10



Vb9.580.101.27 argento hacca 2700K les9 ● n55 0,2

Vb9.580.102.27 nero55 2700K les9 ● n55 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 ● n55 0,2

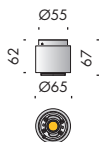
Vb9.580.102.30 nero55 3000K les9 ● n55 0,2

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 ● n55 0,2

Vb9.580.102.30v nero55 3000VbK les9 ● n55 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



propulsore dinamico n55 65/500e




IP20






Vb9.580.154.27

argento hacca

2700K

les19 

n55

0,3

Vb9.580.155.27

nero55

2700K

les19 

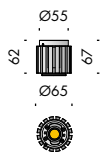
n55

0,3

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	

Vb9.580.154.30		argento hacca		3000K		les19 		n55		0,3	
Vb9.580.155.30		nero55		3000K		les19 		n55		0,3	
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			

Vb9.580.154.30v		argento hacca		3000VbK		les19 		n55		0,3	
Vb9.580.155.30v		nero55		3000VbK		les19 		n55		0,3	
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		
xm007	les19 		Ta25 °C		vita media · average life		70000 h	L80 B10			



propulsore dinamico n55 65/700



IP20



Vb9.580.54.27 argento hacca 2700K les19 ● n55 0,3

Vb9.580.55.27 nero55 2700K les19 ● n55 0,3

Ra	R9	ies tm-30		sdc	mA	V _{f (min)}	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	700	28,4	2140	19,9	108
xm000	les19 ●	Ta25 °C		vita media · average life			70000 h	L80	B10

Vb9.580.54.30 argento hacca 3000K les19 ● n55 0,3

Vb9.580.55.30 nero55 3000K les19 ● n55 0,3

Ra	R9	ies tm-30		sdc	mA	V _{f (min)}	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	700	28,4	2140	19,9	108
xm001	les19 ●	Ta25 °C		vita media · average life			70000 h	L80	B10

Vb9.580.54.30v argento hacca 3000VbK les19 ● n55 0,3

Vb9.580.55.30v nero55 3000VbK les19 ● n55 0,3

Ra	R9	ies tm-30		sdc	mA	V _{f (min)}	lm	W	lm/W
98	98	Rf 93	Rg 106	step 1	700	28,4	2140	19,9	108
xm007	les19 ●	Ta25 °C		vita media · average life			70000 h	L80	B10



propulsore dinamico 65/700

Vb9.580.106.27	argento hacca	2700K	les9 ●	n55	0,3kg 0.7lb
Vb9.580.107.27	nero55	2700K	les9 ●	n55	0,3kg 0.7lb

Ra	R9	ies tm-30		sdc	mA	V _{f (min)}	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	700	27,9	1110	19,5	57
xe000	les9 ●	Ta25 °C		vita media · average life			70000 h	L80	B10

Vb9.580.106.30	argento hacca	3000K	les9 ●	n55	0,3kg 0.7lb
Vb9.580.107.30	nero55	3000K	les9 ●	n55	0,3kg 0.7lb

Ra	R9	ies tm-30		sdc	mA	V _{f (min)}	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	700	27,9	1110	19,5	57
xe001	les9 ●	Ta25 °C		vita media · average life			70000 h	L80	B10

Vb9.580.106.30v	argento hacca	3000Vb K	les9 ●	n55	0,3kg 0.7lb
Vb9.580.107.30v	nero55	3000Vb K	les9 ●	n55	0,3kg 0.7lb

Ra	R9	ies tm-30		sdc	mA	V _{f (min)}	lm	W	lm/W
98	98	Rf 93	Rg 106	step 1	700	27,9	1110	19,5	57
xe007	les9 ●	Ta25 °C		vita media · average life			70000 h	L80	B10



propulsore dinamico 82/1050



Vb9.580.58.27	argento hacca	2700K	les19 ●	n55	0,5kg 1.1lb
Vb9.580.59.27	nero55	2700K	les19 ●	n55	0,5kg 1.1lb

Ra	R9	ies tm-30		sdc	mA	V _{f (min)}	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	1050	29,0	3000	30,5	98
xm000	les19 ●	Ta25 °C		vita media · average life			70000 h	L80	B10

Vb9.580.58.30	argento hacca	3000K	les19 ●	n55	0,5kg 1.1lb
Vb9.580.59.30	nero55	3000K	les19 ●	n55	0,5kg 1.1lb

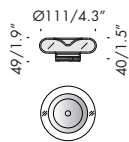
Ra	R9	ies tm-30		sdc	mA	V _{f (min)}	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	1050	29,0	3000	30,5	98
xm001	les19 ●	Ta25 °C		vita media · average life			70000 h	L80	B10

Vb9.580.58.30v	argento hacca	3000VbK	les19 ●	n55	0,5kg 1.1lb
Vb9.580.59.30v	nero55	3000VbK	les19 ●	n55	0,5kg 1.1lb

Ra	R9	ies tm-30		sdc	mA	V _{f (min)}	lm	W	lm/W
98	98	Rf 93	Rg 106	step 1	1050	29,0	3000	30,5	98
xm007	les19 ●	Ta25 °C		vita media · average life			70000 h	L80	B10

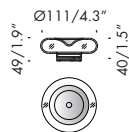


marionanni		 	
Vb9.580.01.t	hm01 trasparente · transparent	n55	0,5kg 1.1lb
Vb9.580.01.s	hm01 sabbiata · sanded	n55	0,5kg 1.1lb
Vb9.580.01.b	hm01 bianco latte · milk white	n55	0,5kg 1.1lb
Vb9.580.02.t	hm02 trasparente · transparent	n55	0,1kg 0.2lb
Vb9.580.02.s	hm02 sabbiata · sanded	n55	0,1kg 0.2lb
Vb9.580.02.b	hm02 bianco latte · milk white	n55	0,1kg 0.2lb
Vb9.580.03.s	mn01 sabbiato · sanded	n55	0,3kg 0.7lb



Vb9.580.173.b mn06 tabacchiera
bianco satinato · white frosted

n55 0,1kg
0.2lb



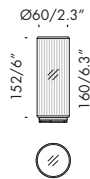
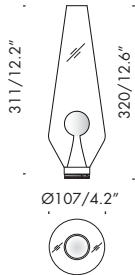
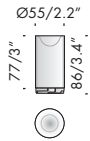
Vb9.580.173.cr mn06 tabacchiera
trasparente cromata · transparent chromed

n55 0,1kg
0.2lb



Vb9.580.178 mn07 trasparente sabbato · transparent sanded

n55 0,1kg
0.2lb



David Chipperfield



Vb9.580.05.s dc01 sabbiato · sanded n55 0,1kg
0.2lb

Vb9.580.06.s dc02 sabbiato · sanded n55 0,3kg
0.7lb

Tzach Cohen

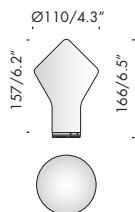
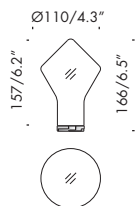
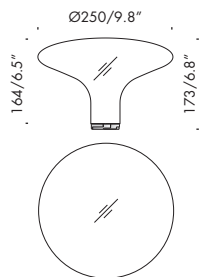


Vb9.580.180.ts tc01 trasparente, sabbiato
transparent, sanded n55 0,4kg
0.8lb

Al-Jawad Pike



Vb9.580.18.tr aip01 trasparente, rigato
transparent, striped n55 0,2kg
0.4lb



peter zumthor



Vb9.580.08.t

pz01 trasparente · transparent

n55 0,3kg
0.7lb

Vb9.580.11.t

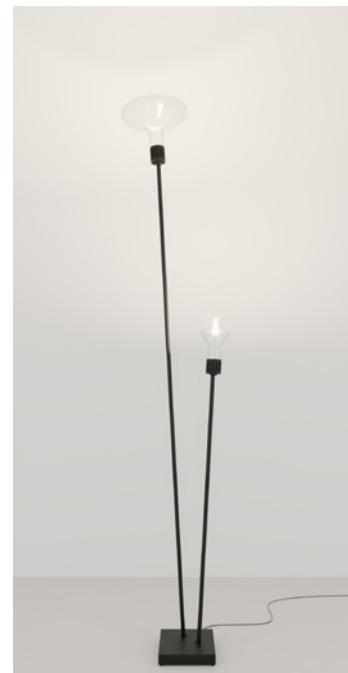
pz03 trasparente · transparent

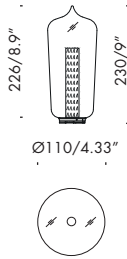
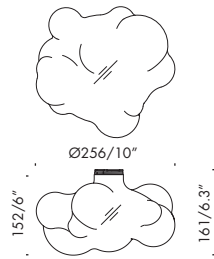
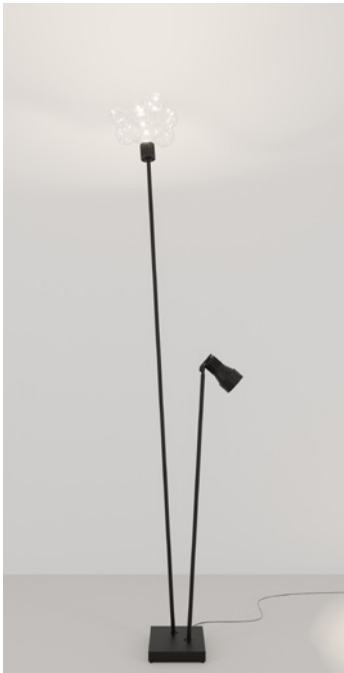
n55 0,2kg
0.4lb

Vb9.580.11.s

pz03 sabbiato · sanded

n55 0,2kg
0.4lb





winy maas



Vb9.580.09.t

wm01 trasparente · transparent

n55 0,6kg
1.3lb

marcio kogan

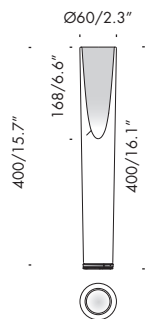


Vb9.580.111.t

mk01 trasparente · transparent

n55 0,4kg
0.8lb

kengo kuma		 	
Vb9.580.07.c	kk01 cristallo · crystal	n55	0,3kg 0.7lb



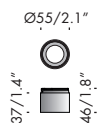
domenico de palo		 	
Vb9.580.114.t	ddp01 trasparente, sabbiato transparent, sanded	n55	0,4kg 0.8lb



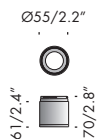


Ø55/2.1"
Ø35/1.3"
12/0.4"
20/0.7"

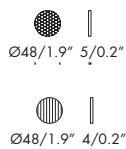
spot35		 			
Vb9.580.21	argento hacca	87° les19 	n55	0,1kg 0.2lb	
Vb9.580.22	nero55	87° les19 	n55	0,1kg 0.2lb	



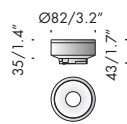
spot55x37						
Vb9.580.121	argento hacca	18° les9 ●		n55	0,1kg 0.2lb	
Vb9.580.122	nero55	18° les9 ●		n55	0,1kg 0.2lb	
Vb9.580.123	argento hacca	23° les9 ●	30° les19 ●	n55	0,1kg 0.2lb	
Vb9.580.124	nero55	23° les9 ●	30° les19 ●	n55	0,1kg 0.2lb	
Vb9.580.125	argento hacca	36° les9 ●	38° les19 ●	n55	0,1kg 0.2lb	
Vb9.580.126	nero55	36° les9 ●	38° les19 ●	n55	0,1kg 0.2lb	



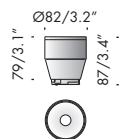
spot55x61						
Vb9.580.25	argento hacca	36° les19 ●		n55	0,2kg 0.4lb	
Vb9.580.26	nero55	36° les19 ●		n55	0,2kg 0.4lb	
Vb9.580.27	argento hacca	47° les19 ●		n55	0,2kg 0.4lb	
Vb9.580.28	nero55	47° les19 ●		n55	0,2kg 0.4lb	



accessori spot55. accessories.				
Vb9.580.91	frangiluce nido d'ape · honeycomb louvre		0,01kg 0.02lb	
Vb9.580.92	lente ellittica · elliptical lens		0,04kg 0.09lb	

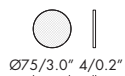
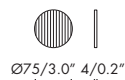
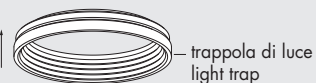
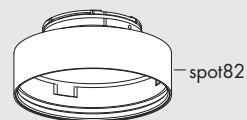


spot82x35						
Vb9.580.131	argento hacca	13° les9		n55	0,1kg	0.2lb
Vb9.580.132	nero55	13° les9		n55	0,1kg	0.2lb
Vb9.580.133	argento hacca	19° les9		n55	0,1kg	0.2lb
Vb9.580.134	nero55	19° les9		n55	0,1kg	0.2lb
Vb9.580.135	argento hacca	23° les9	31° les19	n55	0,1kg	0.2lb
Vb9.580.136	nero55	23° les9	31° les19	n55	0,1kg	0.2lb
Vb9.580.139	argento hacca	35° les9	42° les19	n55	0,1kg	0.2lb
Vb9.580.140	nero55	35° les9	42° les19	n55	0,1kg	0.2lb



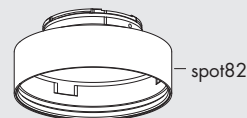
spot82x79

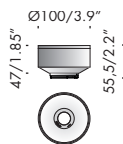
Vb9.580.31	argento hacca	23° les19	n55	0,2kg 0.4lb
Vb9.580.32	nero55	23° les19	n55	0,2kg 0.4lb
Vb9.580.33	argento hacca	37° les19	n55	0,2kg 0.4lb
Vb9.580.34	nero55	37° les19	n55	0,2kg 0.4lb
Vb9.580.35	argento hacca	46° les19	n55	0,2kg 0.4lb
Vb9.580.36	nero55	46° les19	n55	0,2kg 0.4lb



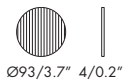
accessori spot82. accessories.

Vb9.580.86	frangiluce nido d'ape · honeycomb louvre	0,01kg 0.02lb
Vb9.580.87	lente ellittica · elliptical lens	0,05kg 0.11lb
Vb9.580.88	vetro albarino · albarino glass	0,05kg 0.11lb
Vb9.580.165	anti abbagliamento · anti-glare	0,03kg 0.07lb



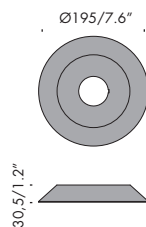
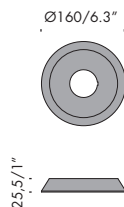
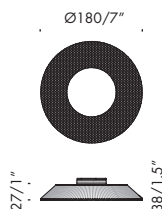
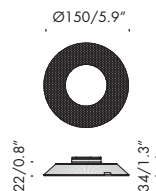


spot100					 	
Vb9.580.37	argento hacca	10° les9 ●	16° les19 ●	n55	0,1kg	0.2lb
Vb9.580.38	nero55	10° les9 ●	16° les19 ●	n55	0,1kg	0.2lb
Vb9.580.39	argento hacca	22° les9 ●	25° les19 ●	n55	0,1kg	0.2lb
Vb9.580.40	nero55	22° les9 ●	25° les19 ●	n55	0,1kg	0.2lb
Vb9.580.41	argento hacca		40° les19 ●	n55	0,1kg	0.2lb
Vb9.580.42	nero55		40° les19 ●	n55	0,1kg	0.2lb
Vb9.580.43	argento hacca		54° les19 ●	n55	0,1kg	0.2lb
Vb9.580.44	nero55		54° les19 ●	n55	0,1kg	0.2lb



accessori spot100. accessories.			 	
Vb9.580.93	frangiluce nido d'ape · honeycomb louvre		0,1kg	0.2lb
Vb9.580.94	lente ellittica · elliptical lens		0,05kg	0.11lb





lensoptica ampP150

Vb9.518.91	fascio stretto narrow beam	13° 22°	les9 ● les19 ●	n55	0,3kg 0.7lb
Vb9.518.92	fascio largo wide beam	51°	les19 ●	n55	0,3kg 0.7lb

lensoptica ampP180

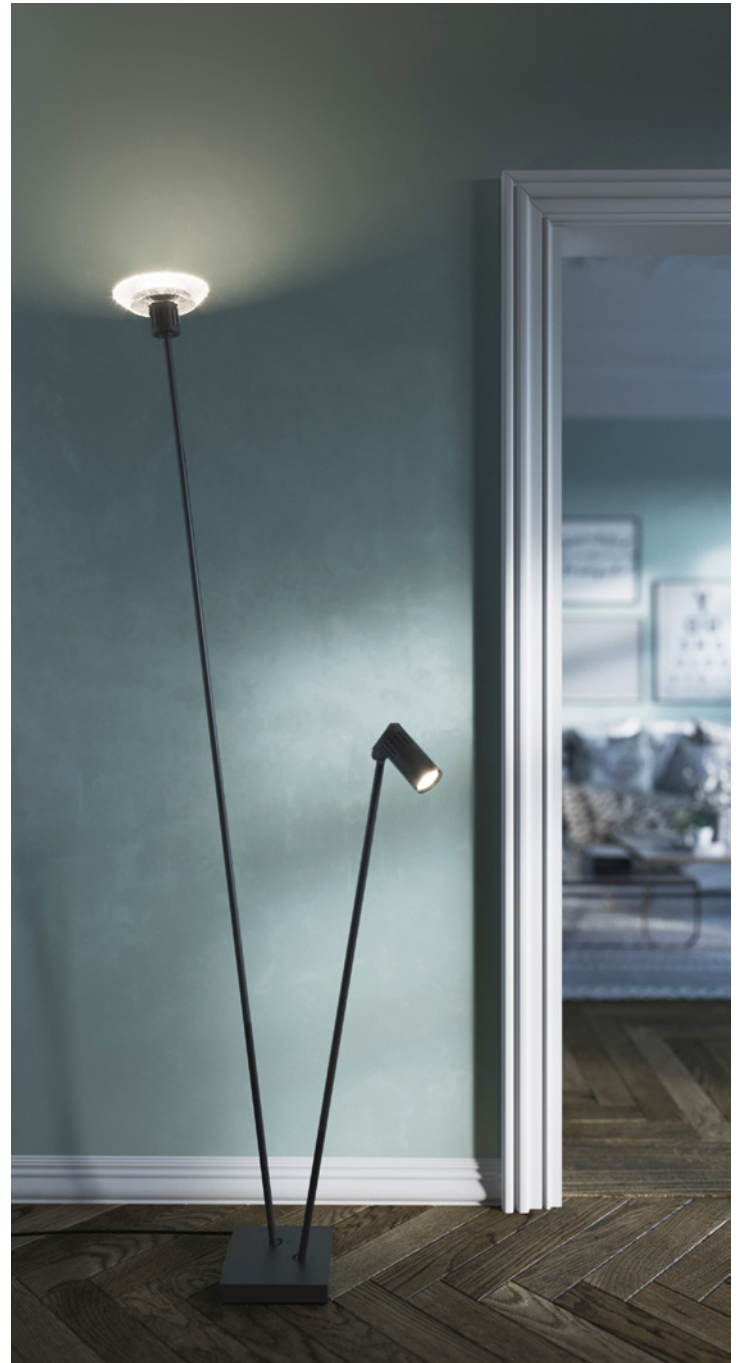
Vb9.518.81	fascio stretto narrow beam	10° 15°	les9 ● les19 ●	n55	0,6kg 1.3lb
Vb9.518.82	fascio medio medium beam	41°	les19 ●	n55	0,6kg 1.3lb
Vb9.518.83	fascio largo wide beam	53°	les19 ●	n55	0,6kg 1.3lb
Vb9.518.84	fascio ellittico elliptical beam	20°x55°	les19 ●	n55	0,6kg 1.3lb

riflettore in metallo 150

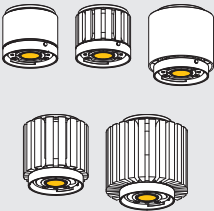
Vb9.518.95.n	nero55	0,1kg 0.2lb
Vb9.518.95.h	argento hacca	0,1kg 0.2lb

riflettore in metallo 180

Vb9.518.96.n	nero55	0,1kg 0.2lb
Vb9.518.96.h	argento hacca	0,1kg 0.2lb



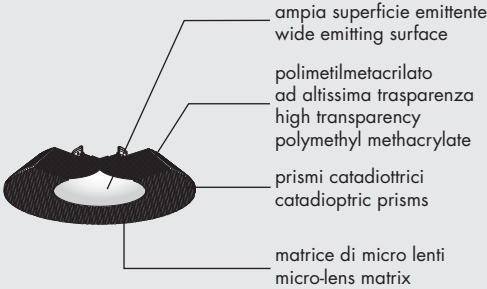
propulsore dinamico n55



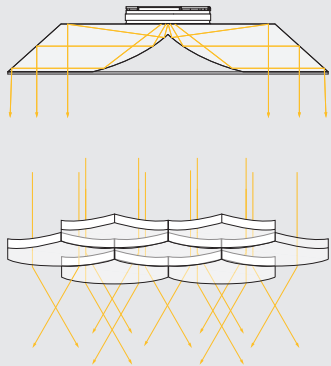
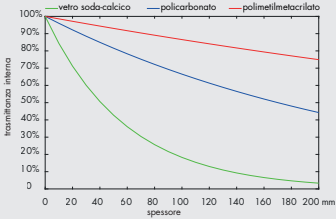
riflettore in metallo · metal reflector



lensoptica amP



materiale	coefficiente d'assorbimento α
vetro soda calcico	$0,017 \text{ mm}^{-1}$
polycarbonato	$0,004 \text{ mm}^{-1}$
polimetilmetacrilato	$0,0014 \text{ mm}^{-1}$



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 $T_{(x)} = e^{-\alpha x}$
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 $T_{(x)} = e^{-\alpha x}$

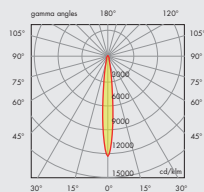
lensoptica amP è allo stesso tempo una lente e un riflettore, perché i raggi di luce subiscono rifrazione e riflessione totale interna. per questa caratteristica tecnica riesce a coniugare alta efficienza e accurato controllo direzionale della luce.
lensoptica amP is both a lens and a reflector at the same time, because the rays of light undergo refraction and total internal reflection. for this technical charactrestic 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'illuminamento 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.

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 $UGR < 19$.

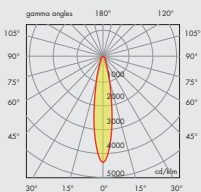
lensoptica amP150
13° les9

fascio stretto · narrow beam



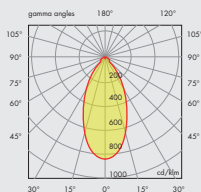
lensoptica amP150 22°
les19

fascio stretto · narrow beam



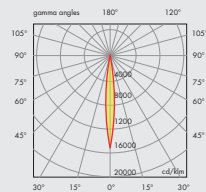
lensoptica amP150 51°
les19

fascio largo · wide beam



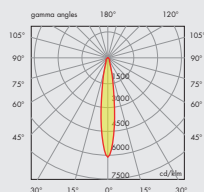
lensoptica amP180 10°
les9

fascio stretto · narrow beam



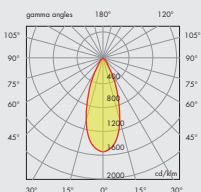
lensoptica amP180 15°
les19

fascio stretto · narrow beam



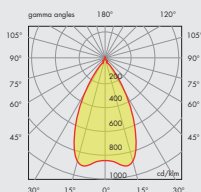
lensoptica amP180 41°
les19

fascio medio · medium beam



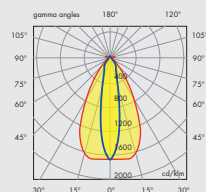
lensoptica amP180 53°
les19

fascio largo · wide beam



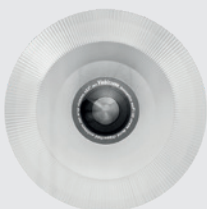
lensoptica amP180 20°x55°
les19

fascio ellittico · elliptical beam



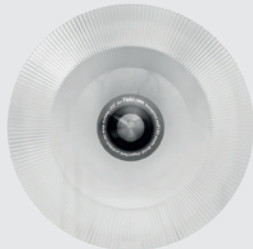
lensoptica amP150

fascio stretto · narrow beam



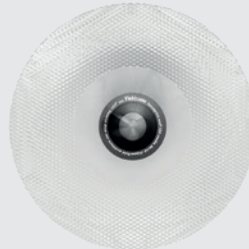
lensoptica amP180

fascio stretto · narrow beam



lensoptica amP180

fascio medio · medium beam



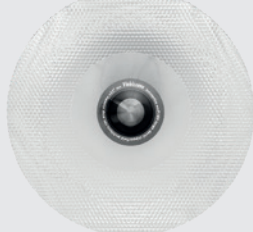
lensoptica amP150

fascio largo · wide beam



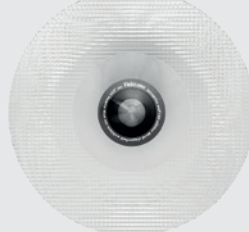
lensoptica amP180

fascio largo · wide beam



lensoptica amP180

fascio ellittico · elliptical beam



lensoptica amP
installazione · mounting

