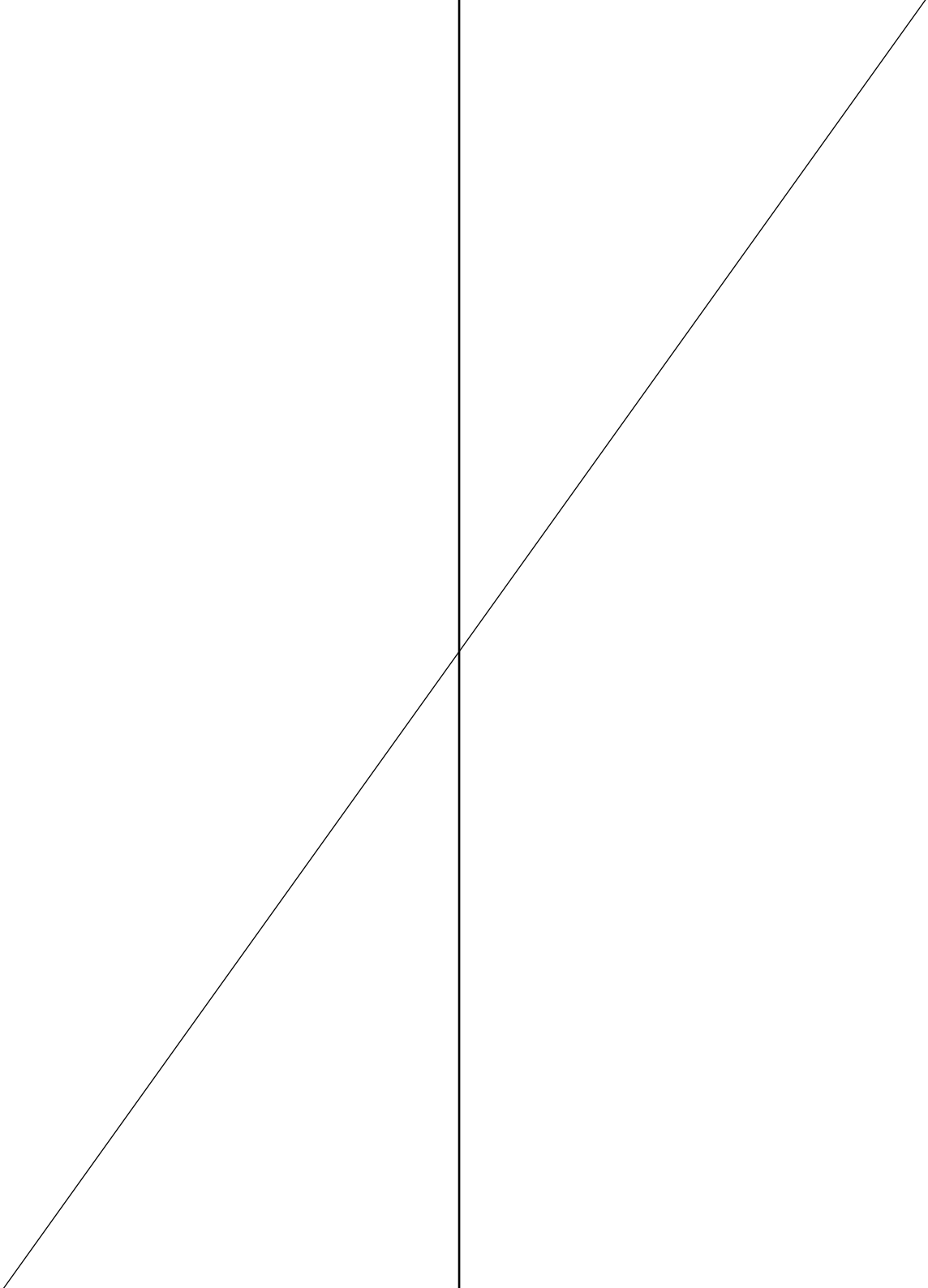




Viabizzuno *progettiamo la luce*

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

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

xxxxxxxxxxxxx				120V 50-60Hz	A	wet	IPX	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



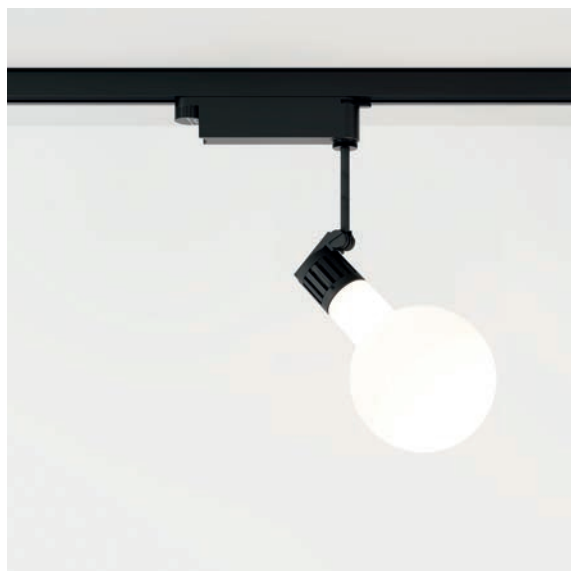
luce indiretta · indirect light



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



brevettato · patented



apparecchio di illuminazione a binario per interni, realizzato in alluminio ossidato. modelli:

n55 binario orientabile 52x198mm/2x7.8" con tige h.100mm/3.9".

da abbinare ai seguenti propulsori dinamici n55:

55/350e les19 fino a 9,7W 350mA 1240lm,

55/350 les19 fino a 9,7W 350mA 1240lm,

55/500 les19 fino a 14W 500mA 1580lm,

55/500 les9 fino a 13,6W 500mA 800lm,

65/500e les19 fino a 14W 500mA 1580lm,

65/700 les19 fino a 19,9W 700mA 2140lm,

65/700 les9 fino a 19,5W 700mA 1110lm,

82/1050 les19 fino a 30,5W 1050mA 3000lm.

tutti i propulsori sono Ra98 1 step macadam con sorgente elettronica 2700K, 3000K o 3000Vb K (progettato per il settore alta moda).

l'apposito attacco n55 permette di intercambiare tre tipi di lampadina: classica, decorativa e tecnica. eventuali irregolarità del vetro sono garanzia di un prodotto unico, soffiato e realizzato interamente a mano da maestri vetrai.

adattatore a binario disponibile con alimentatore 120V a controllo intelligente che regola automaticamente la corrente al tipo di propulsore

finiture: argento hacca con adattatore a binario nero; nero55 con adattatore a binario nero; my bianco con adattatore a binario bianco.

lampadine classiche e decorative con vetro trasparente, sabbiato e bianco latte.

personalizza la tua luce vai su www.Viabizzuno.com

dry location rated track light fitting for interior use, made of oxidised aluminium. versions:

n55 binario adjustable version, 52x198mm/2x7.8" with h.100mm/3.9"

which can be paired with the following propulsori dinamici n55:

55/350e les19 up to 9.7W 350mA 1240lm,

55/350 les19 up to 9.7W 350mA 1240lm,

55/500 les19 up to 14W 500mA 1580lm,

55/500 les9 up to 13.6W 500mA 800lm,

65/500e les19 up to 14W 500mA 1580lm,

65/700 les19 up to 19.9W 700mA 2140lm,

65/700 les9 up to 19.5W 700mA 1110lm,

82/1050 les19 up to 30.5W 1050mA 3000lm.

all propellers are Ra98 1 step macadam with 2700K, 3000K or 3000Vb K (designed for high fashion industry) led source.

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

track adapter available with 120V power supply with smart control which automatically provides the suitable current according to the type of propeller.

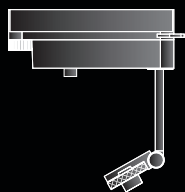
finishes: argento hacca with white or black track adapter; nero55 with black track adapter; my bianco with white track adapter.

classic and decorative bulbs with transparent, sanded and milk white glass.

customize your light visit www.Viabizzuno.com



personalizza la tua luce
vai su Viabizzuno.com



+



+



diffusore decorativo
decorative diffuser

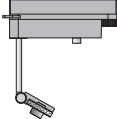


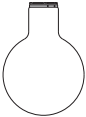
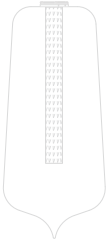
diffusore tecnico
technical diffuser

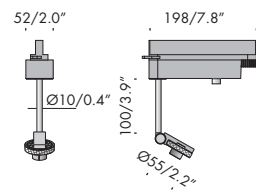
1. scegli l'interfaccia
choose the interface

2. 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

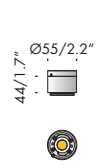
n55 binario	propulsore dinamico n55		diffusore classico classic diffuser
n55 binario interfaccia orientabile alimentatore integrato integrated power supply 	55/350e les19  350mA 1240lm 9,7W 128lm/W 	55/350 les19  350mA 1240lm 9,7W 128lm/W 	
		55/500 les19  500mA 1580lm 14W 113lm/W 	
		55/500 les9  500mA 800lm 13,6W 59lm/W 	hm01 
	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 	hm02 
		82/1050 les19  1050mA 3000lm 30,5W 98lm/W 	

diffusore decorativo decorative diffuser										diffusore tecnico technical diffuser			
mn01  mn06  mn07  dc01     										spot35  spot55x37  spot55x61 			
										les19  les9 			
										87° 30° 38° 36° 47°			
										18° 23° 36°			
										spot82x35  spot82x79 			
										les19  les9 			
										31° 42° 13° 19° 23° 35°			
pz03   kk01     										spot100 			
										les19  les9 			
										16° 25° 40° 54° 10° 22°			
      										lensoptica amp150 			
										les19  les9 			
										22° 51° 13°			
  aip01   										lensoptica amp180 			
										les19  les9 			
										15° 41° 53° 20°x55° 10°			



n55 binario interfaccia orientabile 100			120V 50-60Hz				title24	dry		
Vb7.580.02.u	argento hacca	adattatore nero black adapter	n55	0,5kg 1.1lb						
Vb7.580.03.u	nero55	adattatore nero black adapter	n55	0,5kg 1.1lb						
Vb7.580.04.u	my bianco	adattatore bianco white adapter	n55	0,5kg 1.1lb						





propulsore dinamico 55/350e

Vb9.580.150.27	argento hacca	2700K	les19 	n55	0,2kg 0.4lb
Vb9.580.151.27	nero55	2700K	les19 	n55	0,2kg 0.4lb
Vb9.580.152.27	my bianco	2700K	les19 	n55	0,2kg 0.4lb

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	

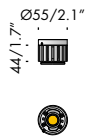
Vb9.580.150.30	argento hacca	3000K	les19 	n55	0,2kg 0.4lb
Vb9.580.151.30	nero55	3000K	les19 	n55	0,2kg 0.4lb
Vb9.580.152.30	my bianco	3000K	les19 	n55	0,2kg 0.4lb

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	0,2kg 0.4lb
Vb9.580.151.30v	nero55	3000VbK	les19 	n55	0,2kg 0.4lb
Vb9.580.152.30v	my bianco	3000VbK	les19 	n55	0,2kg 0.4lb

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 55/350

Vb9.580.50.27	argento hacca	2700K	les19 	n55	0,2kg 0.4lb
Vb9.580.51.27	nero55	2700K	les19 	n55	0,2kg 0.4lb
Vb9.580.52.27	my bianco	2700K	les19 	n55	0,2kg 0.4lb

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	0,2kg 0.4lb
Vb9.580.51.30	nero55	3000K	les19 	n55	0,2kg 0.4lb
Vb9.580.52.30	my bianco	3000K	les19 	n55	0,2kg 0.4lb

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	0,2kg 0.4lb
Vb9.580.51.30v	nero55	3000VbK	les19 	n55	0,2kg 0.4lb
Vb9.580.52.30v	my bianco	3000VbK	les19 	n55	0,2kg 0.4lb

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 55/500

Vb9.580.62.27	argento hacca	2700K	les19 	n55	0,2kg 0.4lb
Vb9.580.63.27	nero55	2700K	les19 	n55	0,2kg 0.4lb
Vb9.580.64.27	my bianco	2700K	les19 	n55	0,2kg 0.4lb

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	0,2kg 0.4lb
Vb9.580.63.30	nero55	3000K	les19 	n55	0,2kg 0.4lb
Vb9.580.64.30	my bianco	3000K	les19 	n55	0,2kg 0.4lb

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	0,2kg 0.4lb
Vb9.580.63.30v	nero55	3000VbK	les19 	n55	0,2kg 0.4lb
Vb9.580.64.30v	my bianco	3000VbK	les19 	n55	0,2kg 0.4lb

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 55/500

Vb9.580.101.27	argento hacca	2700K	les9 ●	n55	0,2kg 0.4lb
Vb9.580.102.27	nero55	2700K	les9 ●	n55	0,2kg 0.4lb
Vb9.580.103.27	my bianco	2700K	les9 ●	n55	0,2kg 0.4lb

Ra	R9	ies tm-30		sdcm	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	0,2kg 0.4lb
Vb9.580.102.30	nero55	3000K	les9 ●	n55	0,2kg 0.4lb
Vb9.580.103.30	my bianco	3000K	les9 ●	n55	0,2kg 0.4lb

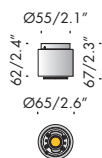
Ra	R9	ies tm-30		sdcm	mA	V _{f (min)}	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	500	27,1	800	13,6	59
xe001	les9 ●	Ta25 °C		vita media · average life		70000 h	L80	B10	

Vb9.580.101.30v	argento hacca	3000Vb K	les9 ●	n55	0,2kg 0.4lb
Vb9.580.102.30v	nero55	3000Vb K	les9 ●	n55	0,2kg 0.4lb
Vb9.580.103.30v	my bianco	3000Vb K	les9 ●	n55	0,2kg 0.4lb

Ra	R9	ies tm-30		sdcm	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	



LORENZO IL MAGNIFICO e GIULIANO DEI MEDICI



propulsore dinamico 65/500e

Vb9.580.154.27	argento hacca	2700K	les19 	n55	0,3kg 0.7lb
Vb9.580.155.27	nero55	2700K	les19 	n55	0,3kg 0.7lb
Vb9.580.156.27	my bianco	2700K	les19 	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	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	0,3kg 0.7lb
Vb9.580.155.30	nero55	3000K	les19 	n55	0,3kg 0.7lb
Vb9.580.156.30	my bianco	3000K	les19 	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	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	3000Vb K	les19 	n55	0,3kg 0.7lb
Vb9.580.155.30v	nero55	3000Vb K	les19 	n55	0,3kg 0.7lb
Vb9.580.156.30v	my bianco	3000Vb K	les19 	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	500	27,9	1580	14,0	113
xm007	les19 	Ta25 °C		vita media · average life			70000 h	L80 B10	





propulsore dinamico 65/700					
Vb9.580.54.27	argento hacca	2700K	les19	n55	0,3kg 0.7lb
Vb9.580.55.27	nero55	2700K	les19	n55	0,3kg 0.7lb
Vb9.580.56.27	my bianco	2700K	les19	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	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	0,3kg 0.7lb
Vb9.580.55.30	nero55	3000K	les19	n55	0,3kg 0.7lb
Vb9.580.56.30	my bianco	3000K	les19	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	28,4	2140	19,9	108
xm001	les19	Ta25 °C		vita media · average life			70000 h	L80	B10

Vb9.580.54.30v	argento hacca	3000Vb K	les19	n55	0,3kg 0.7lb
Vb9.580.55.30v	nero55	3000Vb K	les19	n55	0,3kg 0.7lb
Vb9.580.56.30v	my bianco	3000Vb K	les19	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	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
Vb9.580.108.27	my bianco	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	

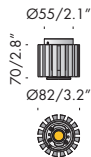
Vb9.580.106.30	argento hacca	3000K	les9	n55	0,3kg 0.7lb
Vb9.580.107.30	nero55	3000K	les9	n55	0,3kg 0.7lb
Vb9.580.108.30	my bianco	3000K	les9	n55	0,3kg 0.7lb

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
Vb9.580.108.30v	my bianco	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
Vb9.580.60.27	my bianco	2700K	les19 	n55	0,5kg 1.1lb

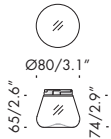
Ra	R9	ies tm-30		sdc	mA	V _{f (min)}	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	1050	29,0	3000	30,5	98
xm000	les19	Ta25 °C		vita media · average life			70000 h	L80	B10

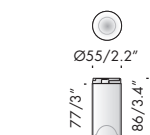
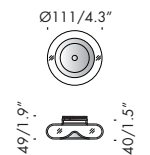
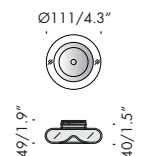
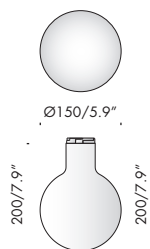
Vb9.580.58.30	argento hacca	3000K	les19	n55	0,5kg 1.1lb
Vb9.580.59.30	nero55	3000K	les19	n55	0,5kg 1.1lb
Vb9.580.60.30	my bianco	3000K	les19	n55	0,5kg 1.1lb

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	3000Vb K	les19	n55	0,5kg 1.1lb
Vb9.580.59.30v	nero55	3000Vb K	les19	n55	0,5kg 1.1lb
Vb9.580.60.30v	my bianco	3000Vb K	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



marionanni

Vb9.580.03.s mn01 sabbiato · sanded n55 0,3kg
0.7lb

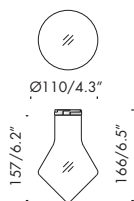
Vb9.580.173.b mn06 tabacchiera
bianco satinato · white frosted n55 0,1kg
0.2lb

Vb9.580.173.cr mn06 tabacchiera
trasparente cromata · transparent chromed n55 0,1kg
0.2lb

Vb9.580.178 mn07 trasparente sabbiato · transparent sanded n55 0,1kg
0.2lb

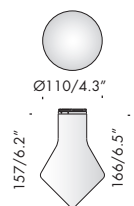
david chipperfield

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

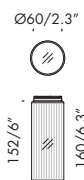


peter zumthor

Vb9.580.11.t pz03 trasparente · transparent n55 0,2kg
0.4lb



Vb9.580.11.s pz03 sabbiato · sanded n55 0,2kg
0.4lb



al-jawad pike

Vb9.580.18.tr ajp01 trasparente, rigato · transparent, striped n55 0,2kg
0.4lb



kengo kuma

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

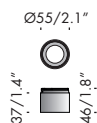


accessori per lampadina trasparente. transparent bulb accessories.

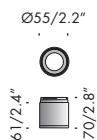
Vb9.580.160 trappola di luce antiabbagliamento nero
anti-glare black light trap 0,03kg
0.07lb



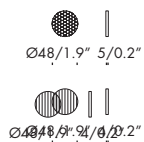
spot35		 			
Vb9.580.21	argento hacca	87° les19 	n55	0,1kg 0.2lb	
Vb9.580.22	nero55	87° les19 	n55	0,1kg 0.2lb	
Vb9.580.22.b	my bianco	87° les19 	n55	0,1kg 0.2lb	



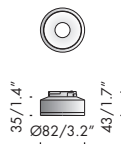
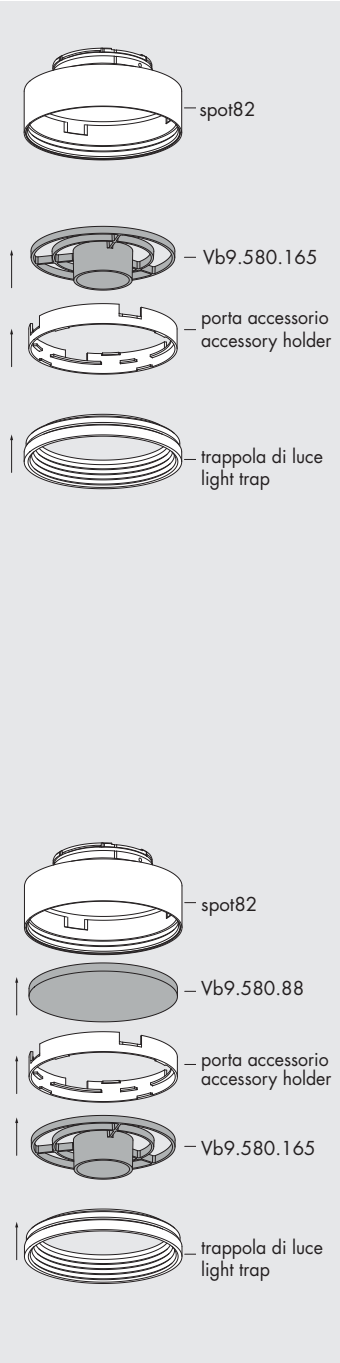
spot55x37						
Vb9.580.121	argento hacca	18° les9 ●		n55	0,1kg 0.2lb	
Vb9.580.122	nero55	18° les9 ●		n55	0,1kg 0.2lb	
Vb9.580.122.b	my bianco	18° les9 ●		n55	0,1kg 0.2lb	
Vb9.580.123	argento hacca	23° les9 ●	30° les19 ●	n55	0,1kg 0.2lb	
Vb9.580.124	nero55	23° les9 ●	30° les19 ●	n55	0,1kg 0.2lb	
Vb9.580.124.b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



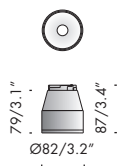
spot55x61						
Vb9.580.25	argento hacca	36° les19 ●		n55	0,2kg 0.4lb	
Vb9.580.26	nero55	36° les19 ●		n55	0,2kg 0.4lb	
Vb9.580.26.b	my bianco	36° les19 ●		n55	0,2kg 0.4lb	
Vb9.580.27	argento hacca	47° les19 ●		n55	0,2kg 0.4lb	
Vb9.580.28	nero55	47° les19 ●		n55	0,2kg 0.4lb	
Vb9.580.28.b	my bianco	47°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



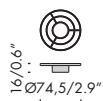
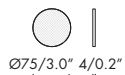
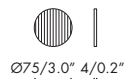
accessori. accessories.						
Vb9.580.91	frangiluce nido d'ape · honeycomb louvre				0,1kg 0.2lb	
Vb9.580.92	lente ellittica · elliptical lens				0,04kg 0.09lb	



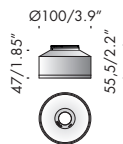
spot82x35			Ⓔ	Ⓐ
Vb9.580.131	argento hacca	13° les9 ●	n55	0,1kg 0.2lb
Vb9.580.132	nero55	13° les9 ●	n55	0,1kg 0.2lb
Vb9.580.137	my bianco	13° les9 ●	n55	0,1kg 0.2lb
Vb9.580.133	argento hacca	19° les9 ●	n55	0,1kg 0.2lb
Vb9.580.134	nero55	19° les9 ●	n55	0,1kg 0.2lb
Vb9.580.138	my bianco	19° les9 ●	n55	0,1kg 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
Vb9.580.141	my bianco	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
Vb9.580.142	my bianco	35° les9 ● 42° les19 ●	n55	0,1kg 0.2lb



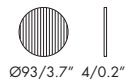
spot82x79					
Vb9.580.31	argento hacca	23° les19	●	n55	0,2kg 0.4lb
Vb9.580.32	nero55	23° les19	●	n55	0,2kg 0.4lb
Vb9.580.32.b	my bianco	23° les19	●	n55	0,2kg 0.4lb
Vb9.580.33	argento hacca	37° les19	●	n55	0,2kg 0.4lb
Vb9.580.34	nero55	37° les19	●	n55	0,2kg 0.4lb
Vb9.580.34.b	my bianco	37° les19	●	n55	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
Vb9.580.36.b	my bianco	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



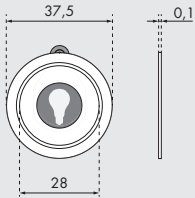
spot100						
Vb9.580.37	argento hacca	10° les9 ●	16° les19 ●	n55	0,1kg	0.2lb
Vb9.580.38	nero55	10° les9 ●	16° les19 ●	n55	0,1kg	0.2lb
Vb9.580.38.b	my bianco	10° les9 ●	16° les19 ●	n55	0,1kg	0.2lb
Vb9.580.39	argento hacca	22° les9 ●	25° les19 ●	n55	0,1kg	0.2lb
Vb9.580.40	nero55	22° les9 ●	25° les19 ●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



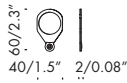
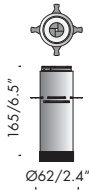
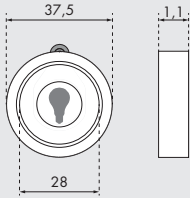
accessori spot100. accessories.				
Vb9.580.93	frangiluce nido d'ape · honeycomb louvre			0,1kg 0.2lb
Vb9.580.94	lente ellittica · elliptical lens			0,05kg 0.11lb



dimensioni gobos in acciaio
steel gobos size



dimensioni gobos in vetro
glass gobos size



n55 spot sagomatore



Vb9.580.120

sagomatore · profile spot

les19 ●

n55

0,7kg
1.5lb

accessori. accessories.



Vb9.580.118

gruppo per alloggiamento gobo in vetro
housing for glass gobos

0,01kg
0.02lb

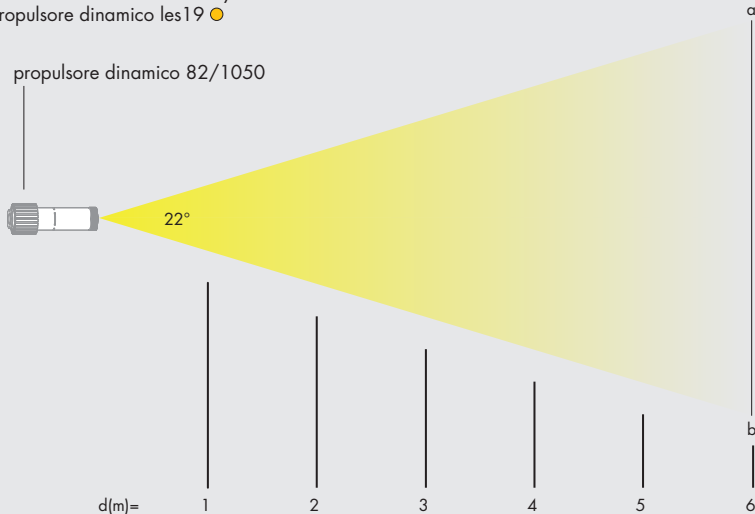
Vb9.580.119

gruppo per alloggiamento gobo in acciaio
housing for steel gobos

0,1kg
0.2lb

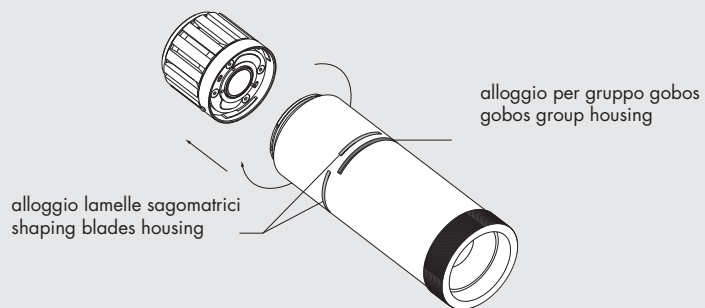
utilizzabile solo con · use only with
propulsore dinamico les19 ●

propulsore dinamico 82/1050

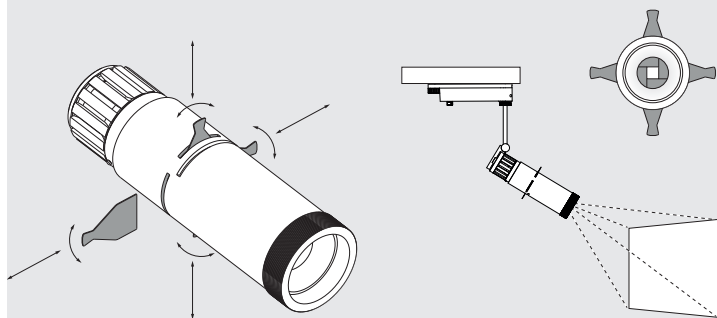


d (m)	ab (m)	e _{max} (lx)	e _{med} (lx)
1	0,38	2761	2273
2	0,76	690	568
3	1,14	307	253
4	1,51	173	142
5	1,89	110	91
6	2,27	77	63

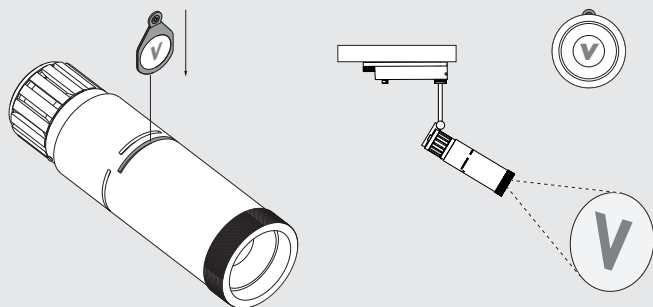
montaggio su propulsore dinamico n55
propeller mounting



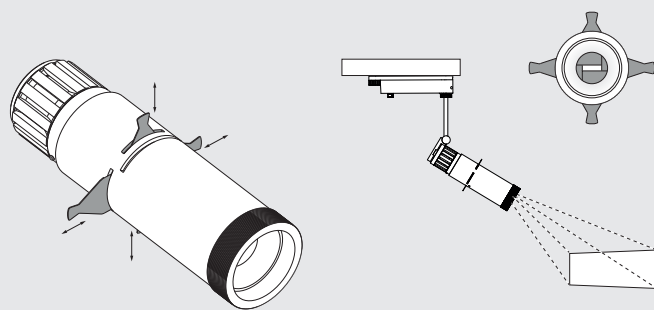
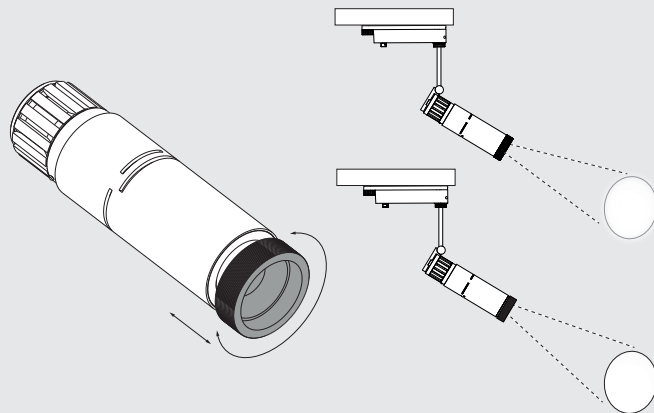
uso delle lamelle sagomatrici · use of shaping blades



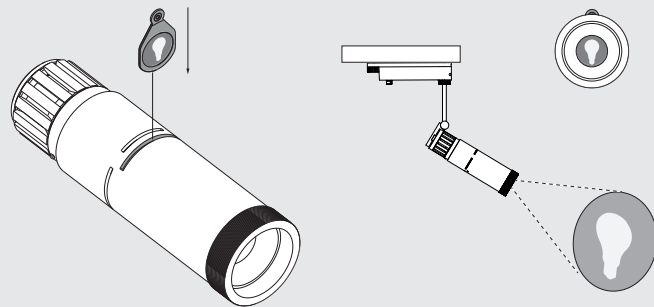
gobo in vetro non incluso
glass gobos not included

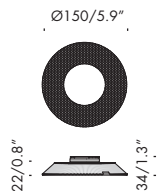


messa a fuoco · focus

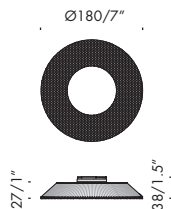


gobo in acciaio non incluso
steel gobos not included

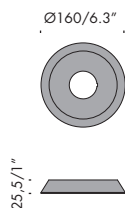




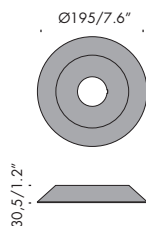
lensoptica amP150					
Vb9.518.91	fascio stretto · narrow beam	13°	les9 ●	0,3kg	
		22°	les19 ●	0.7lb	
Vb9.518.92	fascio largo · wide beam	51°	les19 ●	0,3kg 0.7lb	



lensoptica amP180					
Vb9.518.81	fascio stretto · narrow beam	10°	les9 ●	0,6kg	
		15°	les19 ●	1.3lb	
Vb9.518.82	fascio medio · medium beam	41°	les19 ●	0,6kg 1.3lb	
Vb9.518.83	fascio largo · wide beam	53°	les19 ●	0,6kg 1.3lb	
Vb9.518.84	fascio ellittico · elliptical beam	20°x55°	les19 ●	0,6kg 1.3lb	



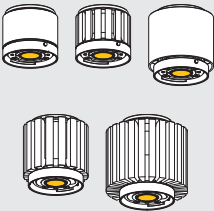
riflettore in metallo 150			
Vb9.518.95.n	nero55	0,1kg 0.2lb	
Vb9.518.95.mb	my bianco	0,1kg 0.2lb	
Vb9.518.95.h	argento hacca	0,1kg 0.2lb	



riflettore in metallo 180			
Vb9.518.96.n	nero55	0,1kg 0.2lb	
Vb9.518.96.mb	my bianco	0,1kg 0.2lb	
Vb9.518.96.h	argento hacca	0,1kg 0.2lb	



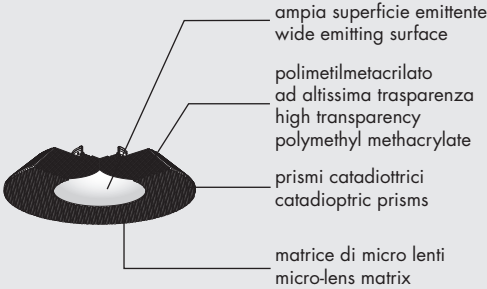
propulsore dinamico n55



riflettore in metallo - metal reflector

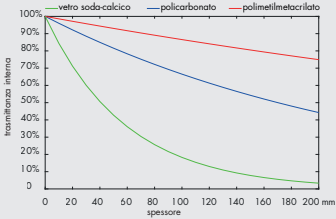


lensoptica amP



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.

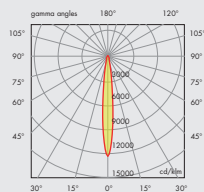
high efficiency is achieved thanks to a very high transparent material, i.e. polymethyl methacrylate, by means of catadioptric prisms specifically designed to reflect and transmit light reducing losses due to absorption: these elements, reflect 90% of the incident light flow downwards and transmit 10% 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 $UGR < 19$.

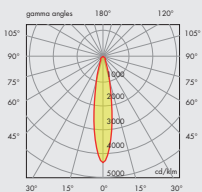
lensoptica amP150
13° les9

fascio stretto · narrow beam



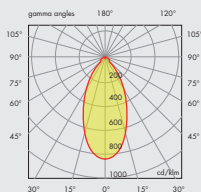
lensoptica amP150 22°
les19

fascio stretto · narrow beam



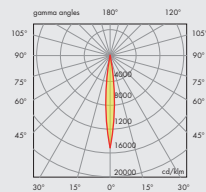
lensoptica amP150 51°
les19

fascio largo · wide beam



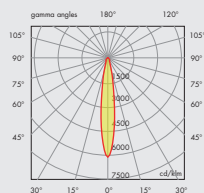
lensoptica amP180 10°
les9

fascio stretto · narrow beam



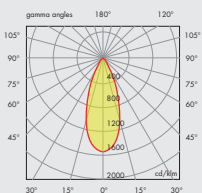
lensoptica amP180 15°
les19

fascio stretto · narrow beam



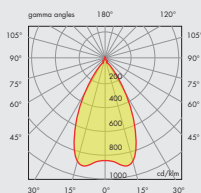
lensoptica amP180 41°
les19

fascio medio · medium beam



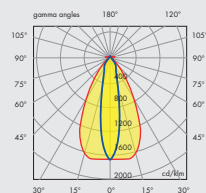
lensoptica amP180 53°
les19

fascio largo · wide beam



lensoptica amP180 20°x55°
les19

fascio ellittico · elliptical beam



lensoptica amP150

fascio stretto · narrow beam



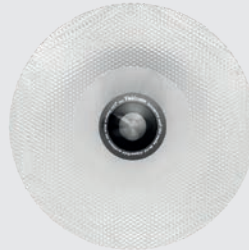
lensoptica amP180

fascio stretto · narrow beam



lensoptica amP180

fascio medio · medium beam



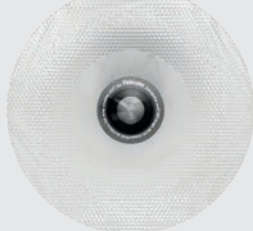
lensoptica amP150

fascio largo · wide beam



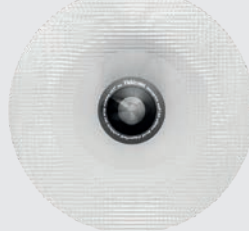
lensoptica amP180

fascio largo · wide beam



lensoptica amP180

fascio ellittico · elliptical beam



lensoptica amP
installazione · mounting

