

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 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. marionanni

*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), Viabizzunoapplight e Viabizzunoonline.

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), Viabizzunoapplight and Viabizzunoonline.

lettura delle tabelle tecniche how to read technical tables

xxxxxxxxxxxxxxxx									
230V 50-60Hz									
a	b	c	d	e	f	g	g	h	i

xxxxxxxxxxxxxxxx									
230V 50-60Hz									
Vbx.xxx.xx	nero55	3000K		35W		1,5			
l	m	n		o		i			

componenti. components.					IK10														
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accessori. accessories.										IK10									
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1	2	3	4	5	6	7	8	9	10	
Ra	R9	ies tm/30		sdcm		Vf	lm/m	W/m	lm/W	
95	90	Rf 90	Rg 98	step 2		24	1200	13	92	F
V0000	5,9 	Ta25 °C		vita media · average life		50000 h		L80 B10		
11	12									

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	classe di efficienza energetica · efficiency class
11	codice sorgente elettronica Viabizzuno · Viabizzuno led source code
12	superficie emittente · light emitting surface (mm)
13	% flusso residuo a fine vita · end life % flux
14	% consentita sotto limite · allowed % under limit

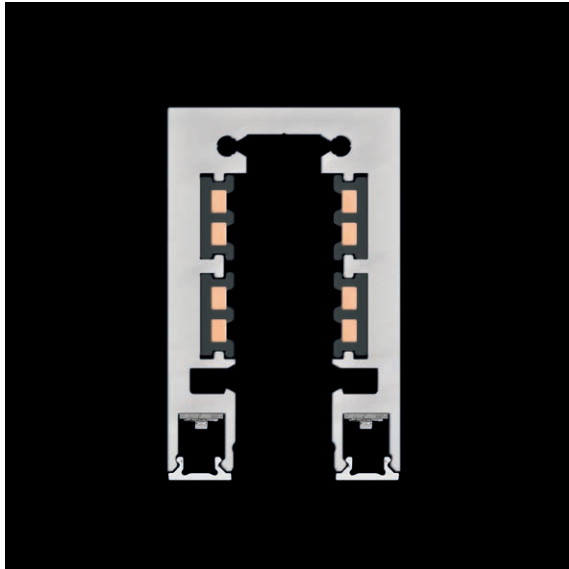
gradi di protezione protection degrees

IP0X	non protetto no protection	IPX0	non protetto no protection	IK01	nessuna protezione no protection
IP1X	contro corpi estranei >50 mm protection against solid objects	IPX1	protetto contro la caduta verticale di gocce d'acqua protected against water drops falling vertically	IK01	protetto contro l'energia d'urto 0,15J protected against collision energy
IP2X	contro corpi estranei >12 mm protection against solid objects	IPX2	protetto contro la caduta di gocce con inclinazione max 15° protected against water drops max inclination 15°	IK02	protetto contro l'energia d'urto 0,2J protected against collision energy
IP3X	contro corpi estranei >2,5 mm protection against solid objects	IPX3	protetto contro la caduta di gocce con inclinazione max 60° protected against water drops max inclination 60°	IK03	protetto contro l'energia d'urto 0,35J protected against collision energy
IP4X	contro corpi estranei >1 mm protection against solid objects	IPX4	protetto contro spruzzi d'acqua protected against sprinkling water	IK04	protetto contro l'energia d'urto 0,5J protected against collision energy
IP5X	protezione da polvere dust-protected	IPX5	protetto contro getti d'acqua protected against water jets	IK05	protetto contro l'energia d'urto 0,7J protected against collision energy
IP6X	stagno alla polvere dust-proof	IPX6	protetto contro inondazioni protected against flooding	IK06	protetto contro l'energia d'urto 1J protected against collision energy
		IPX7	per breve immersione protected against brief immersions	IK07	protetto contro l'energia d'urto 2J protected against collision energy
		IPX8	per immersione prolungata protected against long immersion	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

ta	tavolo · table
tr	terra · floor standing
s	soffitto · ceiling
p	parete · wall
sp	sospensione · suspension
bin	binario · track
in	incasso · recessed
st	scomparsa totale · fully concealed
s+e	segnaletica+emergenza · signalling system+emergency
bat	portatili autoalimentati a batteria · portable self-powered with battery
sis	sistemi · systems
pa	palo · pole
pt	paletto · bollard
sd	seduta · sitting
V	disponibile su · available on Viabizzuno applight www.Viabizzuno.com Viabizzuno online
	classe I. solo isolamento fondamentale, le parti conduttrici accessibili sono collegate ad un conduttore di terra. messa a terra tassativa class I. only basic insulation, accessible conductors are earthed. earthing compulsory
	classe II. all'isolamento principale è aggiunto un secondo isolamento oppure ai due isolamenti è sostituito un isolamento rinforzato. messa a terra esclusa class II. basic insulation plus second insulation or both are replaced by reinforced insulation. earthing excluded
	classe III. alimentazione effettuata con bassissima tensione di sicurezza; sono escluse tensioni superiori a 50V-50Hz. messa a terra non prevista. class III. very low safety supply tension; not to be used over 50V-50Hz. earthing excluded.
CE	prodotto conforme alle direttive europee · produced in compliance with ec directives
	marchio di certificazione europea. certifica che il prodotto è conforme alle norme europee sulla sicurezza component approved for north american market and suitable to be used and approved as part of a more complex system
cULus	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
KEMA KEUR	apparecchio di illuminazione approvato da kema · kema approved light fitting
WRAS	prodotto conforme agli standard presenti nel regno unito che regolamentano la sicurezza e la qualità dell'acqua · product complies with uk standards set out by water regulations
	apparecchio di illuminazione certificato secondo le normative vigenti in polonia che regolamentano i dispositivi di sicurezza antincendio certified light fitting according to the regulations about devices for fire safety in force in poland
★	prodotto idoneo per essere commercializzato nel mercato cinese · product suitable for the china market
	prodotto finito idoneo per essere commercializzato nel mercato nord americano · listed product suitable for the north american market
UK CA	prodotto conforme alla legislazione vigente nel regno unito · produced in compliance with UK legislation
	apparecchio di illuminazione certificato per il mercato cinese 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>crystallo</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>propulsore dinamico n55 escluso</i> · not included
	<i>diffusore incluso</i> · diffuser included
	<i>diffusore escluso</i> · diffuser not 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
	<i>l.d.</i> <i>luce diretta</i> · direct light
	<i>l.i.</i> <i>luce indiretta</i> · indirect light
	<i>.d1</i> <i>dimmerazione 1-10V</i> · 1-10V dimmable
	<i>.d2</i> <i>dimmerazione dali</i> · dimmable dali
	<i>.SA</i> <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
	<i>.SE</i> <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>i</i> <i>peso netto</i> · net weight (kg)



brevettato · patented



sistema a binario per interni IP20.

realizzato con profilo di alluminio estruso ossidato 30x48mm fino a 3000mm. possibilità di installazione a soffitto e scomparsa totale tramite apposita cassaforma. otto conduttori di rame di sezione 3mm² formano quattro linee di accensione fino a 5 ampere.

predisposto per alloggiare adattatori indirizzabili punto punto tramite sistema casambi per interfaccia sistema n55 in versione orientabile e sospensione.

modelli:

A1 sistema senza sorgente elettronica,

A1 sistema con sorgente elettronica completo di estruso in polycarbonato satinato, A10 sistema senza sorgente elettronica,

A11 sistema senza sorgente elettronica,

A11 sistema con sorgente elettronica completo di estruso in polycarbonato satinato. cablato con sorgente elettronica lineare 2700K o 3000K 2x13W/m fino a 1250lm/m con regolatori di corrente integrati per luce diffusa. propulsori dinamici n55 abbinabili: 55/350e les19

9,7W 350mA 1240lm,

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

55/500 les19 14W 500mA 1580lm,

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

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

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

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

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

i propulsori dinamici n55 hanno sorgente elettronica 2700K, 3000K o 3000Vb K (progettato per il settore alta moda) Ra98 1 step macadam. l'apposito attacco n55 permette di intercambiare tre tipi di diffusori: classico, decorativo e tecnico. alimentatore a tensione costante 48Vdc escluso, da installare remoto.

accessori: adattatore di alimentazione fornito con cavo 8x1mm² 3000mm, giunti lineari, giunti angolari, kit di sospensione.

finiture: argento hacca e nero55.

A sistema è gestibile da device mobile tramite app Viascenario, il sistema di controllo wireless d'illuminazione Viabizzuno.

IP20-rated track system for indoor use.

made with 30x48mm oxidized extruded aluminum profile up to 3000mm.

possibility of ceiling installation and total recessed through special housing.

eight copper conductors of 3mm² cross section form four ignition lines up to 5 amperes. set

to accommodate point-to-point addressable adapters via casambi system for n55 system interfaces in adjustable and suspension versions.

versions:

A1 sistema without electronic source,

A1 sistema with electronic source complete with satin polycarbonate extrusion.

A10 sistema without electronic source,

A11 sistema without electronic source,

A11 sistema with electronic source complete with satin-finished polycarbonate extrusion.

wired with 2700K or 3000K 2x13W/m linear electronic source up to 1250lm/m with built-in dimmer switches for diffused light. dynamic propellers n55 matchable:

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

55/350 les19 9.7W 350mA 1240lm,

55/500 les19 14W 500mA 1580lm,

55/500 les9 13.6W 500mA 800lm,

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

65/700 les19 19.9W 700mA 2140lm,

65/700 les9 19.5W 700mA 1110lm,

82/1050 les19 30.5W 1050mA 3000lm.

n55 dynamic propellers have electronic source 2700K, 3000K or 3000Vb K

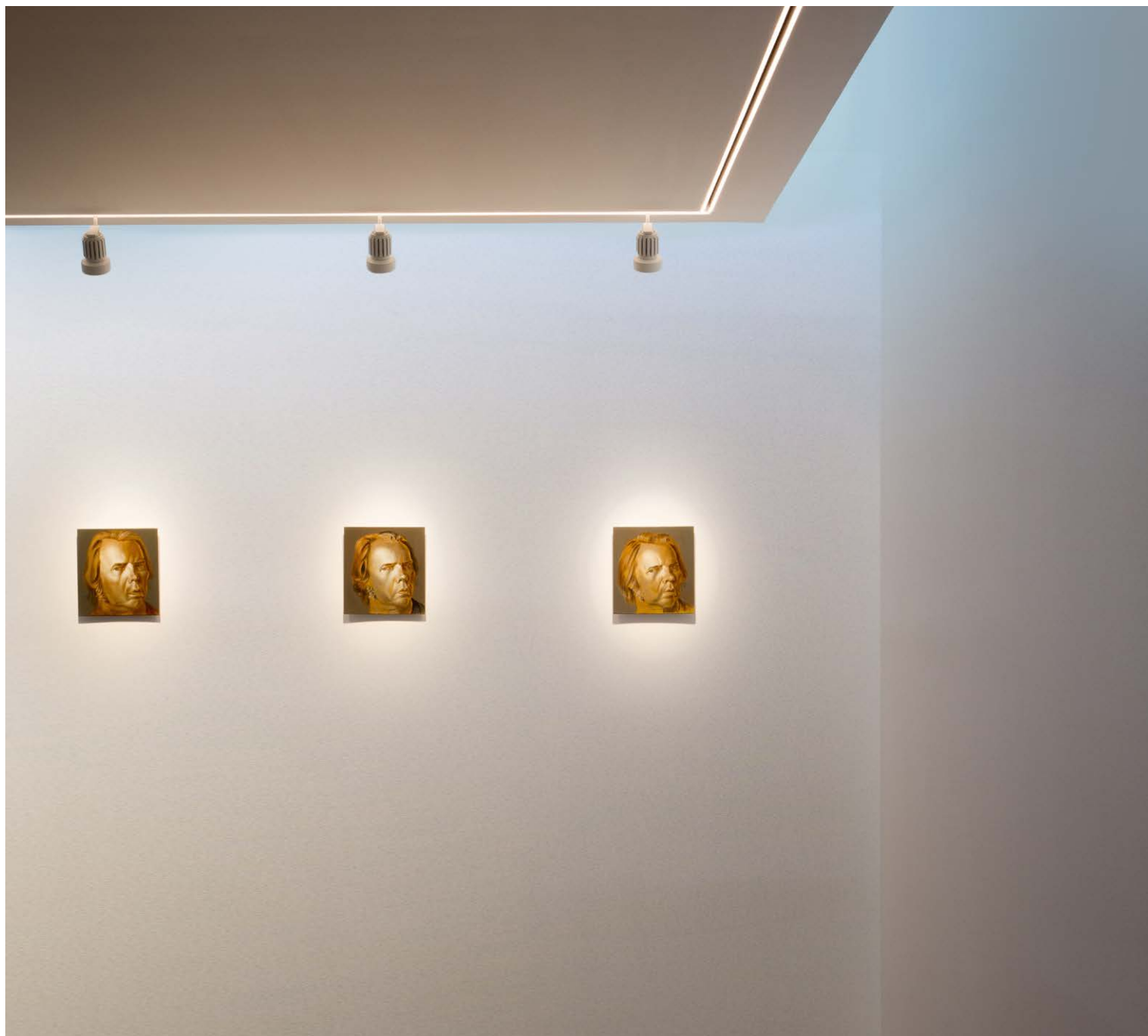
(designed for haute couture) Ra98 1 step macadam. special n55 connection allows

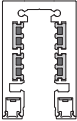
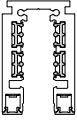
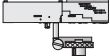
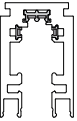
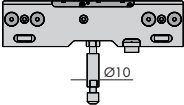
interchange between three types of diffusers: classic, decorative and technical. constant voltage power supply 48Vdc excluded, to be installed remote.

accessories: power adapter supplied with 8x1mm² 3000mm cable, linear joints, corner joints, suspension kit.

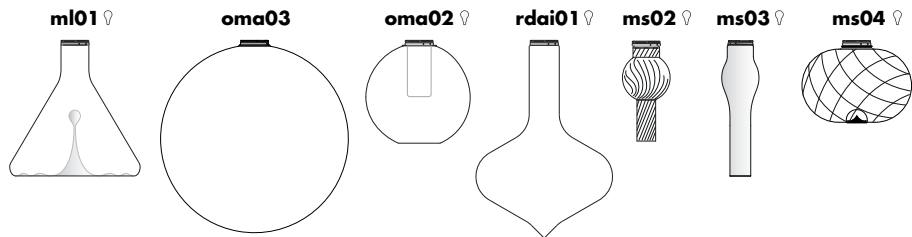
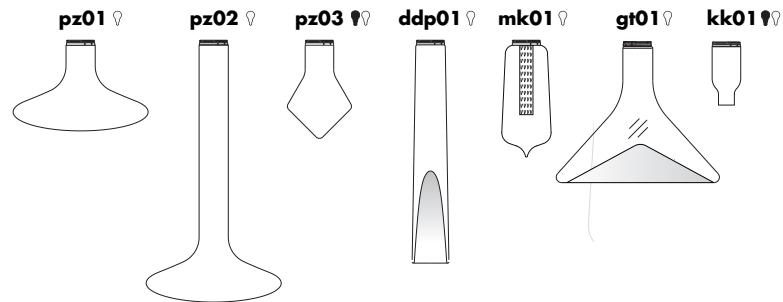
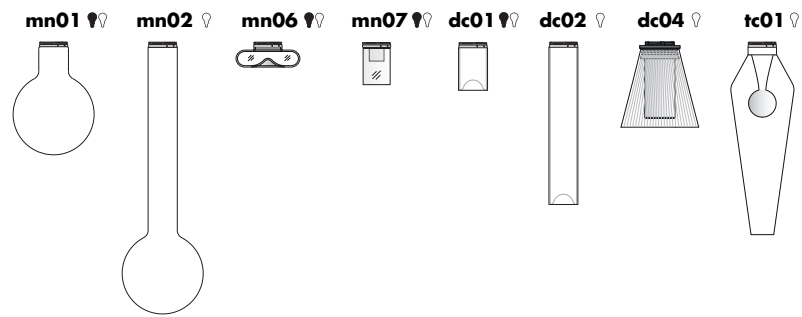
finishes: argento hacca and nero55.

A sistema is manageable from mobile device via Viascenario app, the Viabizzuno wireless lighting control system.

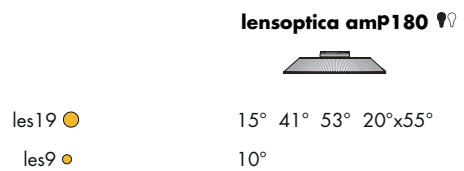
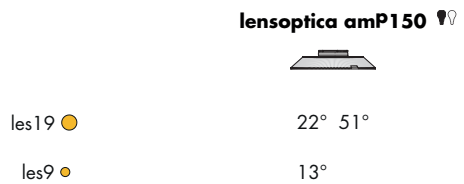
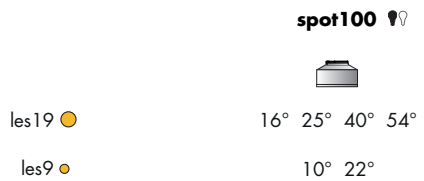
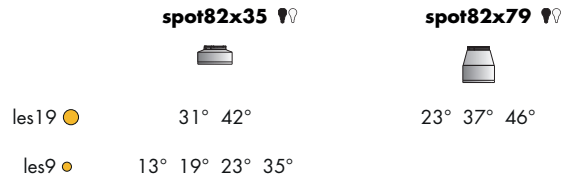
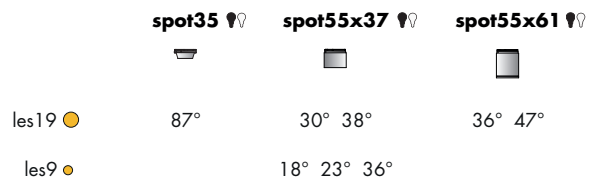


A sistema	n55 sistema	propulsore dinamico n55		diffusore classico classic diffusor
A1  A11 	n55 A1/A11 interfaccia orientabile 30 	55/350e  les19 350mA 1240 lm 9,7W 128 lm/W	55/350  les19 350mA 1240 lm 9,7W 128 lm/W	hm01 
	n55 A1/A11 interfaccia orientabile 100 	55/500  les9 500mA 800 lm 13,6W 59 lm/W	55/500  les19 500mA 1580 lm 14W 113 lm/W	
	n55 A1/A11 interfaccia sospensione 	65/500e  les19 500mA 1580 lm 14W 113 lm/W	65/700  les9 700mA 1110 lm 19,5W 57 lm/W	
		65/700  les19 700mA 2140 lm 19,9W 108 lm/W	82/1050  les19 1050mA 3000lm 30,5W 98 lm/W	hm02 
A10 		carrello meccanico  aggancio meccanico 		

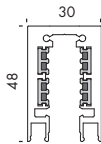
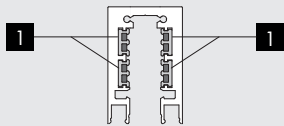
diffusore decorativo
decorative diffuser



diffusore tecnico
technical diffuser

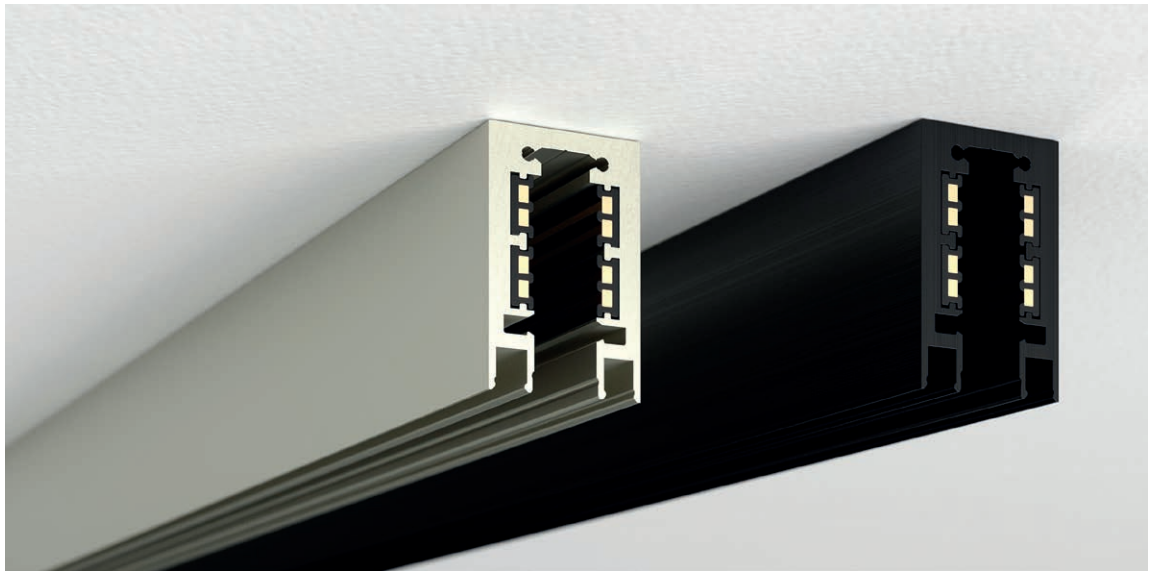


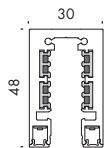
A1



A1	48Vdc		 IP20		CE	
Vb6.613.05	nero55			3000mm		4,5
Vb6.613.06	argento hacca			3000mm		4,5
Vb6.613.11	nero55			2000mm		3
Vb6.613.12	argento hacca			2000mm		3
Vb6.613.15	nero55			1000mm		1,5
Vb6.613.16	argento hacca			1000mm		1,5

 alimentazione 48Vdc
power supply



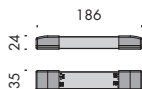
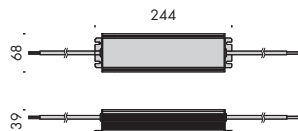
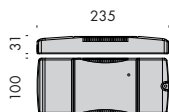
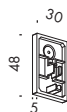
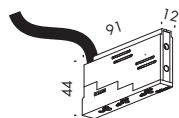


A1 con luce lineare		48Vdc			★			
Vb6.613.05.27	nero55	2700K	2x39W	3000mm	4,5			
Vb6.613.06.27	argento hacca	2700K	2x39W	3000mm	4,5			
Vb6.613.11.27	nero55	2700K	2x26W	2000mm	3			
Vb6.613.12.27	argento hacca	2700K	2x26W	2000mm	3			
Vb6.613.15.27	nero55	2700K	2x13W	1000mm	1,5			
Vb6.613.16.27	argento hacca	2700K	2x13W	1000mm	1,5			

Ra	R9	ies tm/30		sdc	Vf	lm/m	W/m	lm/W
95	90	Rf 90	Rg 98	step 2	48	1200	13	92
V0010	5,9	Ta25 °C		vita media · average life		50000 h	L80	B10

Vb6.613.05.30	nero55	3000K	2x39W	3000mm	4,5			
Vb6.613.06.30	argento hacca	3000K	2x39W	3000mm	4,5			
Vb6.613.11.30	nero55	3000K	2x26W	2000mm	3			
Vb6.613.12.30	argento hacca	3000K	2x26W	2000mm	3			
Vb6.613.15.30	nero55	3000K	2x13W	1000mm	1,5			
Vb6.613.16.30	argento hacca	3000K	2x13W	1000mm	1,5			

Ra	R9	ies tm-30		sdc	Vf	lm/m	W/m	lm/W
95	90	Rf 93	Rg 102	step 2	48	1250	13	96
V0011	5,9	Ta25 °C		vita media · average life		50000 h	L80	B10



componenti. components.	48Vdc					
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Vb6.613.40 adattatore di alimentazione nero con 8 contatti
black feeding head with 8 contacts 0,5

Vb6.613.43 terminale nero per adattatore di alimentazione
black terminal for power supply 0,1

alimentatori spot. power supplies.	240V 50-60Hz/48V				
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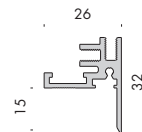
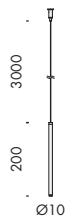
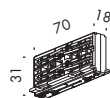
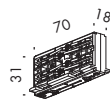
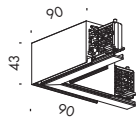
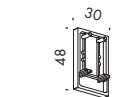
t4.057 on/off 75W 0,15

t4.058 on/off 150W 0,15

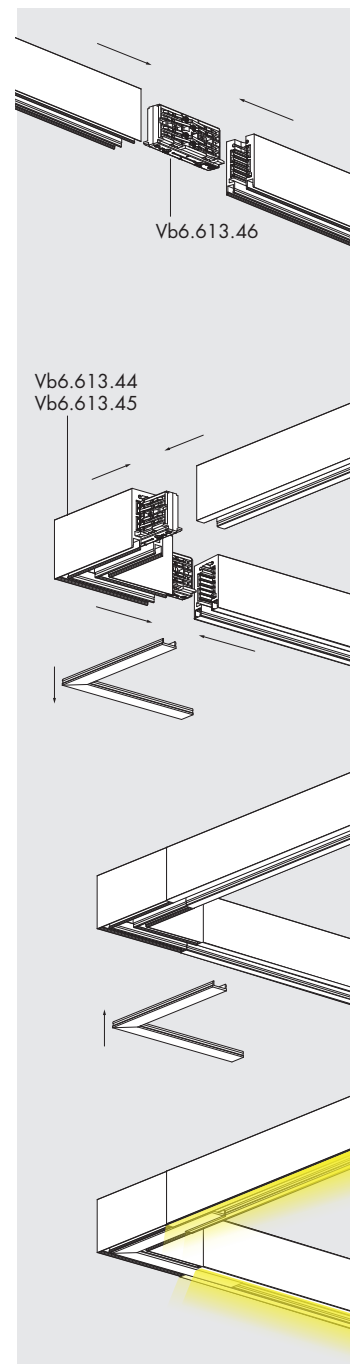
accessori linee di luce. accessories.					
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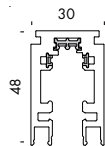
t4.053 alimentatore on/off 240V/48Vdc · power supply 240W 0,1

t4.213.f converter dali 48Vdc/48Vdc 240W 1,1



accessori. accessories.		48Vdc	★	UK	CE	!
Vb6.613.42	terminale cieco nero · black blind terminal	0,1				
Vb6.613.44	giunto angolare 90° collegamento meccanico angular joint 90° mechanical joint	nero55 0,5				
Vb6.613.45	giunto angolare 90° collegamento meccanico angular joint 90° mechanical joint	argento hacca 0,5				
Vb6.613.46	giunto lineare elettrificato linear electrified joint	nero · black 0,2				
Vb6.613.47	giunto lineare meccanico linear mechanical joint	nero · black 0,2				
Vb6.613.48	sospensione kit · suspension kit	argento hacca 0,2				
Vb6.613.49	sospensione kit · suspension kit	nero55 0,2				
accessori per scomparsa totale. fully concealed accessories.			★	UK	CE	!
Vb6.587.01	alluminio naturale · natural aluminium 3000mm	2 pz · pcs 3				
Vb6.587.02	alluminio naturale · natural aluminium 3000mm	10 pz · pcs 15				
Vb6.587.03	alluminio naturale · natural aluminium 3000mm	100 pz · pcs 150				
Vb9.613.04	piastra di fissaggio · fixing plate	2 pz · pcs 0,5				
Vb9.613.04.s	piastra di fissaggio · fixing plate	10 pz · pcs 1				
Vb9.613.04.p	piastra di fissaggio · fixing plate	100 pz · pcs 11				
Vb9.613.05	testata di chiusura · end caps	2 pz · pcs 0,5				

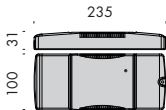




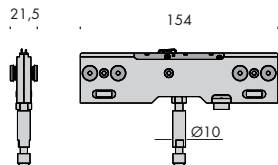
A10	48Vdc		 IP20	 CE	
Vb6.613.201	nero55	max 50kg lineare	3000mm	4,5	
Vb6.613.202	argento hacca	max 50kg lineare	3000mm	4,5	



A10 aggancio meccanico	 CE	
Vb9.613.251	max 50kg	1



alimentatori spot. power supplies.	240V 50-60Hz/48V			CE	
t4.057	on/off	75W	0,15		
t4.058	on/off	150W	0,15		



A10 carrello meccanico		★	UK	CE	i
Vb9.613.253	max 30kg				1

A10 carrello elettrificato		48Vdc	★	UK	CE	i
Vb9.613.252	carrello elettrificato · electrified carriage	max 30kg				1

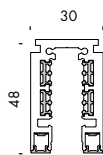
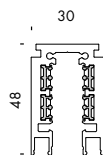
tappo di chiusura. closing cap		★	UK	CE	i
Vb9.613.261	1 pz · pc				1

A10 testata di alimentazione		48Vdc	★	UK	CE	i
Vb9.613.262						0,5

A10 giunto lineare		48Vdc	★	UK	CE	i
Vb9.613.271						0,2

A10/ A11 kit supporto plafone		★	UK	CE	i
Vb9.613.275	nero55	1 pz · pcs			0,2
Vb9.613.276	argento hacca	1 pz · pcs			0,2

A10/A11 kit sospensione		★	UK	CE	i
Vb9.613.277	nero55	1 pz · pcs			0,2
Vb9.613.278	argento hacca	1 pz · pcs			0,2



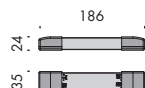
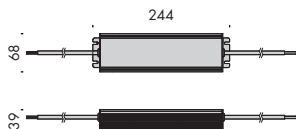
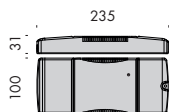
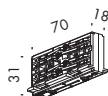
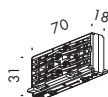
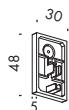
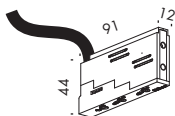
A11		48Vdc			IP20		CE	
VB6.613.301	nero55				3000mm			4,5
VB6.613.302	argento hacca				3000mm			4,5

A11 con luce lineare		48Vdc				UK	CE	
VB6.613.331.27	nero55		2700K	2x39W	3000mm			4,5
VB6.613.332.27	argento hacca		2700K	2x39W	3000mm			4,5
VB6.613.321.27	nero55		2700K	2x26W	2000mm			3
VB6.613.322.27	argento hacca		2700K	2x26W	2000mm			3
VB6.613.311.27	nero55		2700K	2x13W	1000mm			1,5
VB6.613.312.27	argento hacca		2700K	2x13W	1000mm			1,5

Ra	R9	ies tm/30		sdc	Vf	lm/m	W/m	lm/W
95	90	Rf 90	Rg 98	step 2	48	1200	13	92
V0010	5,9		Ta25 °C	vita media · average life		50000 h	L80	B10

VB6.613.331.30	nero55		3000K	2x39W	3000mm			4,5
VB6.613.332.30	argento hacca		3000K	2x39W	3000mm			4,5
VB6.613.321.30	nero55		3000K	2x26W	2000mm			3
VB6.613.322.30	argento hacca		3000K	2x26W	2000mm			3
VB6.613.311.30	nero55		3000K	2x13W	1000mm			1,5
VB6.613.312.30	argento hacca		3000K	2x13W	1000mm			1,5

Ra	R9	ies tm-30		sdc	Vf	lm/m	W/m	lm/W
95	90	Rf 93	Rg 102	step 2	48	1250	13	96
V0011	5,9		Ta25 °C	vita media · average life		50000 h	L80	B10



componenti. components.	48Vdc		☆	UK CE	CE	
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Vb6.613.40	adattatore di alimentazione nero con 8 contatti black feeding head with 8 contacts	0,5
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Vb6.613.43	terminale nero per adattatore di alimentazione black terminal for power supply	0,1
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accessori. accessories.	48Vdc	☆	UK CE	CE	
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Vb6.613.42	terminale cieco nero · black blind terminal	0,1
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Vb6.613.46	giunto lineare elettrificato linear electrified joint	nero · black 0,2
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Vb6.613.47	giunto lineare meccanico linear mechanical joint	nero · black 0,2
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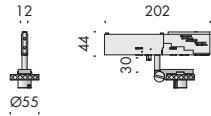
alimentatori spot. power supplies.	240V 50-60Hz/48V		UK CE	CE	
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t4.057	on/off	75W	0,15
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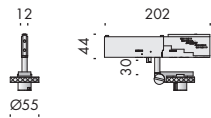
t4.058	on/off	150W	0,15
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t4.053	alimentatore on/off 240V/48Vdc · power supply	240W	0,1
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t4.213.f	converter dali 48Vdc/48Vdc	240W	1,1
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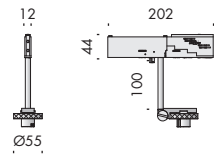


n55 A1/A11 interfaccia orientabile 30 on/off		48Vdc				UK	CE	i
Vb6.613.50	350/500/700/1050mA	nero55	on/off	n55	0,3			
Vb6.613.51	350/500/700/1050mA	argento hacca	on/off	n55	0,3			

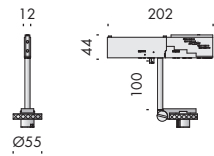


n55 A1/A11 interfaccia orientabile 30 casambi		48Vdc				UK	CE	i
Vb6.613.55.d4	350/500/700/1050mA	nero55	casambi	n55	0,4			
Vb6.613.56.d4	350/500/700/1050mA	argento hacca	casambi	n55	0,4			

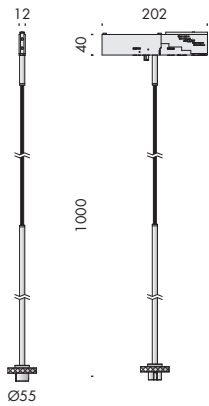




n55 A1/A11 interfaccia orientabile 100 on/off			48Vdc						
Vb6.613.52	350/500/700/1050mA	nero55	on/off	n55	0,4				
Vb6.613.54	350/500/700/1050mA	argento hacca	on/off	n55	0,4				

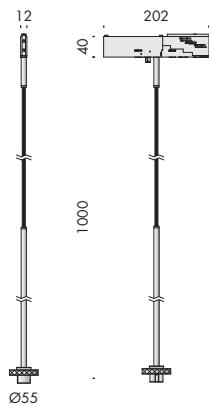


n55 A1/A11 interfaccia orientabile 100 casambi			48Vdc						
Vb6.613.57.d4	350/500/700/1050mA	nero55	casambi	n55	0,4				
Vb6.613.58.d4	350/500/700/1050mA	argento hacca	casambi	n55	0,4				



n55 A1/A11 interfaccia sospensione on/off **48Vdc**

Vb6.613.170	350/500/700/1050mA	nero55	on/off	n55	0,4
Vb6.613.171	350/500/700/1050mA	argento hacca	on/off	n55	0,4

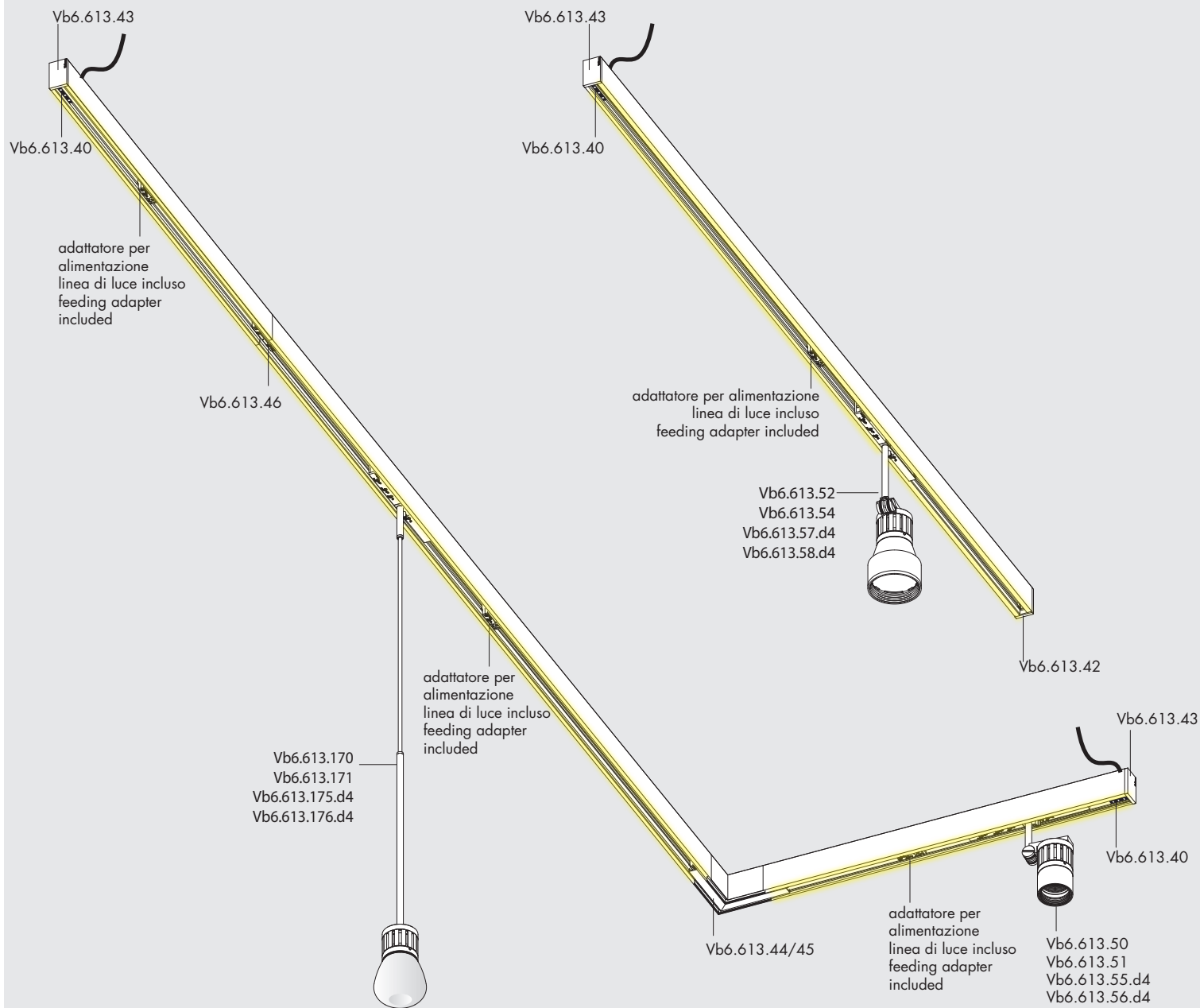


n55 A1/A11 interfaccia sospensione casambi **48Vdc**

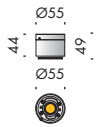
Vb6.613.175.d4	350/500/700/1050mA	nero55	casambi	n55	0,4
Vb6.613.176.d4	350/500/700/1050mA	argento hacca	casambi	n55	0,4



luce continua max 12m · continue light







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
Vb9.580.152.27	my bianco	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
Vb9.580.152.30	my bianco	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
Vb9.580.152.30v	my bianco	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
Vb9.580.52.27	my bianco	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
Vb9.580.52.30	my bianco	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
Vb9.580.52.30v	my bianco	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
Vb9.580.64.27	my bianco	2700K	les19 	n55	0,2

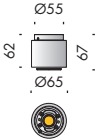
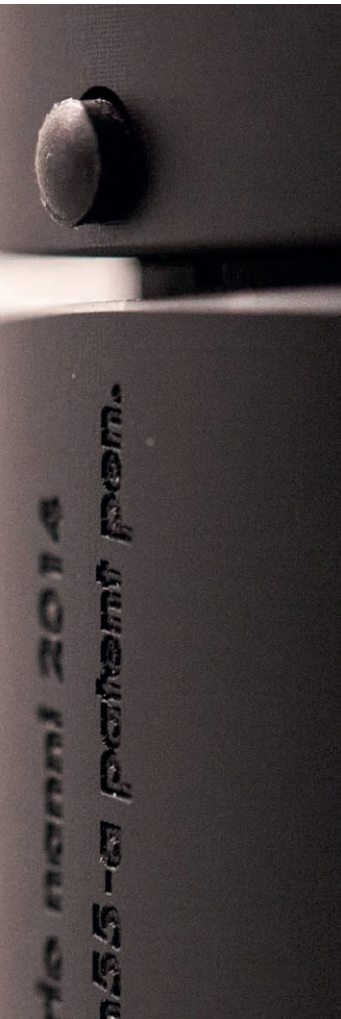
Ra	R9	ies tm-30		sdcn	mA	V _{f (min)}	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	500	27,9	1580	14,0	113
xm000	les19 	Ta25 °C		vita media · average life			70000 h	L80 B10	

Vb9.580.62.30	argento hacca	3000K	les19 	n55	0,2
Vb9.580.63.30	nero55	3000K	les19 	n55	0,2
Vb9.580.64.30	my bianco	3000K	les19 	n55	0,2

Ra	R9	ies tm-30		sdcn	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
Vb9.580.64.30v	my bianco	3000VbK	les19 	n55	0,2

Ra	R9	ies tm-30		sdcn	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 65/500e **IP20**

Vb9.580.154.27	argento hacca	2700K	les19 	n55	0,3
Vb9.580.155.27	nero55	2700K	les19 	n55	0,3
Vb9.580.156.27	my bianco	2700K	les19 	n55	0,3

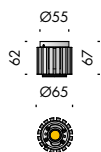
Ra	R9	ies tm-30		sdc	mA	V _{f (min)}	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	500	27,9	1580	14,0	113
xm000	les19 	Ta25 °C		vita media · average life			70000 h	L80 B10	

Vb9.580.154.30	argento hacca	3000K	les19 	n55	0,3
Vb9.580.155.30	nero55	3000K	les19 	n55	0,3
Vb9.580.156.30	my bianco	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
Vb9.580.156.30v	my bianco	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
Vb9.580.56.27	my bianco	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	

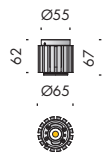
Vb9.580.54.30	argento hacca	3000K	les19  n55 0,3
Vb9.580.55.30	nero55	3000K	les19  n55 0,3
Vb9.580.56.30	my bianco	3000K	les19  n55 0,3

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
Vb9.580.56.30v	my bianco	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 n55 65/700 **IP20**

Vb9.580.106.27	argento hacca	2700K	les9 	n55 0,3
Vb9.580.107.27	nero55	2700K	les9 	n55 0,3
Vb9.580.108.27	my bianco	2700K	les9 	n55 0,3

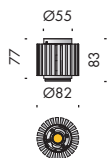
Ra	R9	ies tm-30		sdc	mA	V _{f (min)}	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	700	27,9	1110	19,5	57
xe000	les9 	Ta25 °C		vita media · average life			70000 h	L80 B10	

Vb9.580.106.30	argento hacca	3000K	les9 	n55 0,3
Vb9.580.107.30	nero55	3000K	les9 	n55 0,3
Vb9.580.108.30	my bianco	3000K	les9 	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	27,9	1110	19,5	57
xe001	les9 	Ta25 °C		vita media · average life			70000 h	L80 B10	

Vb9.580.106.30v	argento hacca	3000VbK	les9 	n55 0,3
Vb9.580.107.30v	nero55	3000VbK	les9 	n55 0,3
Vb9.580.108.30v	my bianco	3000VbK	les9 	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	27,9	1110	19,5	57
xe007	les9 	Ta25 °C		vita media · average life			70000 h	L80 B10	



propulsore dinamico n55 82/1050 **IP20**

Vb9.580.58.27	argento hacca	2700K	les19 	n55	0,5
Vb9.580.59.27	nero55	2700K	les19 	n55	0,5
Vb9.580.60.27	my bianco	2700K	les19 	n55	0,5

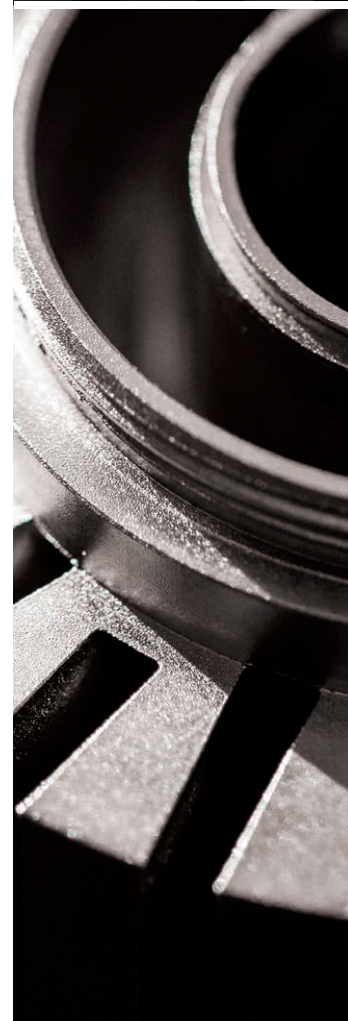
Ra	R9	ies tm-30		sdc	mA	V _{f (min)}	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	1050	29,0	3000	30,5	98
xm000	les19 	Ta25 °C		vita media · average life			70000 h	L80 B10	

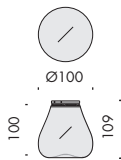
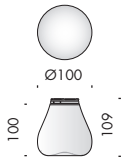
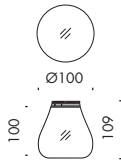
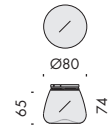
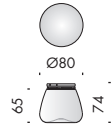
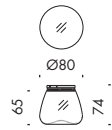
Vb9.580.58.30	argento hacca	3000K	les19 	n55	0,5
Vb9.580.59.30	nero55	3000K	les19 	n55	0,5
Vb9.580.60.30	my bianco	3000K	les19 	n55	0,5

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	0,5
Vb9.580.59.30v	nero55	3000VbK	les19 	n55	0,5
Vb9.580.60.30v	my bianco	3000VbK	les19 	n55	0,5

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	





Vb9.580.01.t	hm01 trasparente · transparent	n55	0,05
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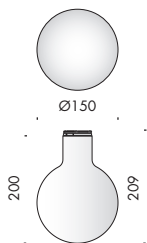
Vb9.580.01.s	hm01 sabbia · sanded	n55	0,05
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Vb9.580.01.b	hm01 bianco latte · milk white	n55	0,05
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Vb9.580.02.t	hm02 trasparente · transparent	n55	0,1
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Vb9.580.02.s	hm02 sabbia · sanded	n55	0,1
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Vb9.580.02.b	hm02 bianco latte · milk white	n55	0,1
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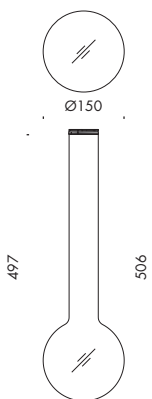


marionanni



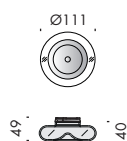
Vb9.580.03.s mn01 sabbato · sanded

n55 0,3



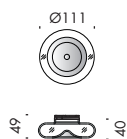
Vb9.580.04.t mn02 trasparente · transparent

n55 0,5



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

n55 0,1



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

n55 0,1



Vb9.580.178 mn07 trasparente sabbato · transparent sanded n55 0,1

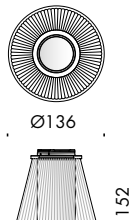




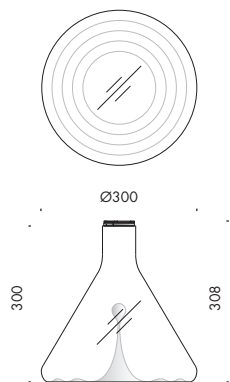
david chipperfield		★	UK	CE	📄
Vb9.580.05.s	dc01 sabbiato · sanded	n55	0,1		



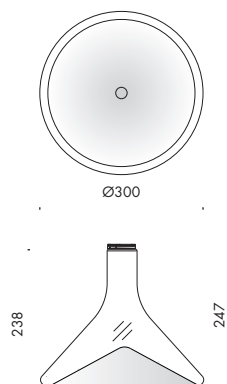
Vb9.580.06.s	dc02 sabbiato · sanded	n55	0,3		
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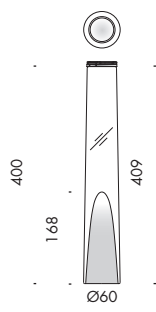
Vb9.580.20.tr	dc04 trasparente, rigato e sabbiato transparent, striped and sanded	n55	0,3		
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max lam ★ UK CE i
Vb9.580.13.t ml01 trasparente · transparent n55 1,4

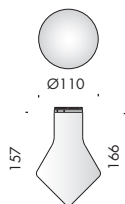
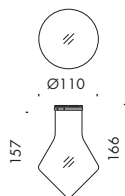
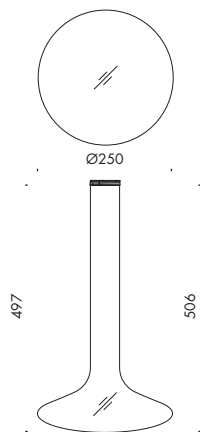
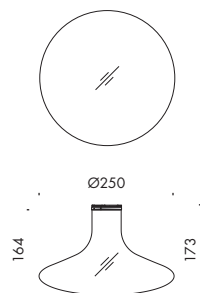


gio tirotto ★ UK CE i
Vb9.580.17.t gt01 trasparente, sabbaiato · transparent, sanded n55 1



domenico de palo ★ UK CE i
Vb9.580.114.t ddp01 trasparente, sabbaiato · transparent, sanded n55 0,5





peter zumthor



Vb9.580.08.t pz01 trasparente · transparent n55 0,3

Vb9.580.10.t pz02 trasparente · transparent n55 0,6

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

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

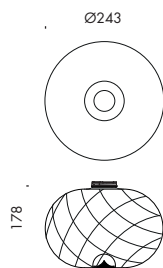




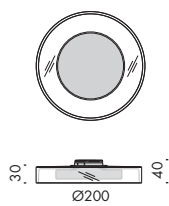
Vb9.580.175.t ms02 trasparente · transparent n55 0,2



Vb9.580.176.t ms03 trasparente · transparent n55 0,2



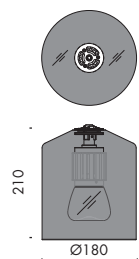
Vb9.580.177.t ms04 trasparente · transparent n55 0,5



neri&hu



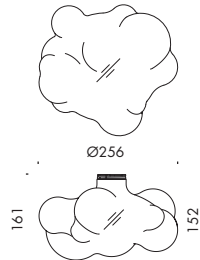
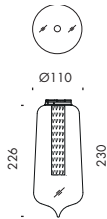
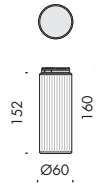
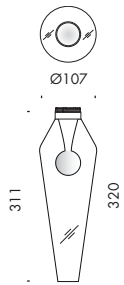
Vb9.580.116.ts nh01 trasparente, sabbiato · transparent, sanded n55 0,9



luigi lanzi



Vb9.580.170 ll01 nero fumè · black smoke n55 1,6



tzach cohen



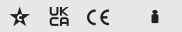
Vb9.580.180.ts tc01 trasparente, sabbiato · transparent, sanded n55 0,4

al-jawad pike



Vb9.580.18.tr aip01 trasparente, rigato · transparent, striped n55 0,2

marcio kogan

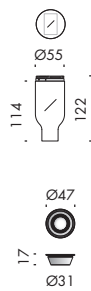
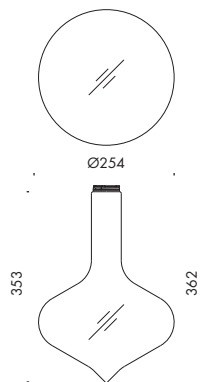


Vb9.580.111.t mk01 trasparente · transparent n55 0,4

winy maas



Vb9.580.09.t wm01 trasparente · transparent n55 0,6



rdai

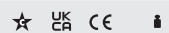


Vb9.580.12.t rdai01 trasparente · transparent

n55 0,6



kengo kuma



Vb9.580.07.c kk01 cristallo · crystal

n55 0,3

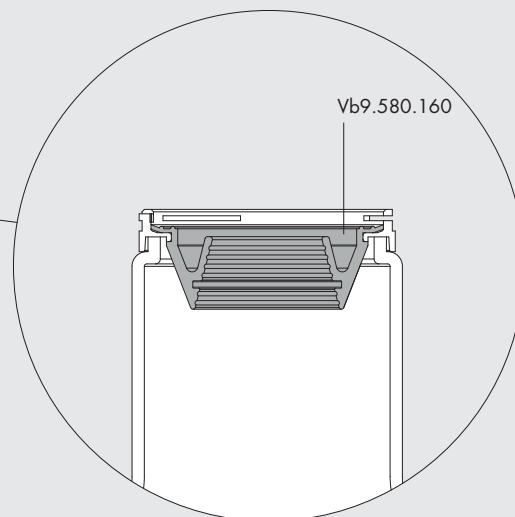
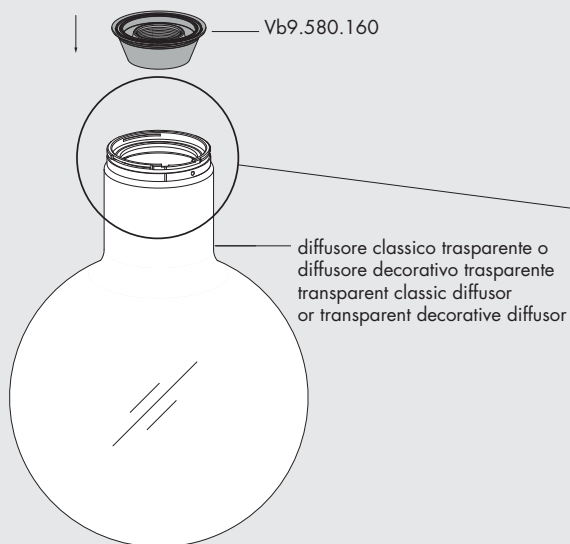


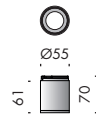
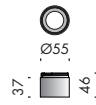
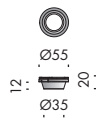
accessori per diffusore trasparente. transparent diffuser accessories.



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

0,03



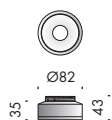


spot35			★	UK	CE	i
Vb9.580.21	argento hacca	87° les19	●	n55	0,1	
Vb9.580.22	nero55	87° les19	●	n55	0,1	
Vb9.580.22.b	my bianco	87° les19	●	n55	0,1	

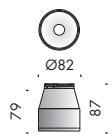
spot55x37				★	UK	CE	i
Vb9.580.121	argento hacca	18° les9 ●			n55	0,1	
Vb9.580.122	nero55	18° les9 ●			n55	0,1	
Vb9.580.122.b	my bianco	18° les9 ●			n55	0,1	
Vb9.580.123	argento hacca	23° les9 ●	30° les19 ●		n55	0,1	
Vb9.580.124	nero55	23° les9 ●	30° les19 ●		n55	0,1	
Vb9.580.124.b	my bianco	23° les9 ●	30° les19 ●		n55	0,1	
Vb9.580.125	argento hacca	36° les9 ●	38° les19 ●		n55	0,1	
Vb9.580.126	nero55	36° les9 ●	38° les19 ●		n55	0,1	
Vb9.580.126.b	my bianco	36° les9 ●	38° les19 ●		n55	0,1	

spot55x61			★	UK	CE	i
Vb9.580.25	argento hacca	36° les19	●	n55	0,2	
Vb9.580.26	nero55	36° les19	●	n55	0,2	
Vb9.580.26.b	my bianco	36° les19	●	n55	0,2	
Vb9.580.27	argento hacca	47° les19	●	n55	0,2	
Vb9.580.28	nero55	47° les19	●	n55	0,2	
Vb9.580.28.b	my bianco	47° les19	●	n55	0,2	

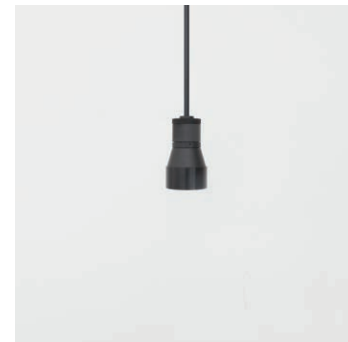
accessori. accessories.			★	UK	CE	i
Vb9.580.91	frangiluce nido d'ape · honeycomb louvre					0,01
Vb9.580.92	lente ellittica · elliptical lens					0,04



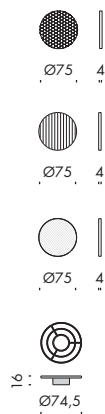
spot82x35			★	UK CE	CE	i
Vb9.580.131	argento hacca	13° les9 ●			n55	0,1
Vb9.580.132	nero55	13° les9 ●			n55	0,1
Vb9.580.137	my bianco	13° les9 ●			n55	0,1
Vb9.580.133	argento hacca	19° les9 ●			n55	0,1
Vb9.580.134	nero55	19° les9 ●			n55	0,1
Vb9.580.138	my bianco	19° les9 ●			n55	0,1
Vb9.580.135	argento hacca	23° les9 ● 31° les19 ●			n55	0,1
Vb9.580.136	nero55	23° les9 ● 31° les19 ●			n55	0,1
Vb9.580.141	my bianco	23° les9 ● 31° les19 ●			n55	0,1
Vb9.580.139	argento hacca	35° les9 ● 42° les19 ●			n55	0,1
Vb9.580.140	nero55	35° les9 ● 42° les19 ●			n55	0,1
Vb9.580.142	my bianco	35° les9 ● 42° les19 ●			n55	0,1



spot82x79			★	UK CE	CE	i
Vb9.580.31	argento hacca	23° les19 ●			n55	0,2
Vb9.580.32	nero55	23° les19 ●			n55	0,2
Vb9.580.32.b	my bianco	23° les19 ●			n55	0,2
Vb9.580.33	argento hacca	37° les19 ●			n55	0,2
Vb9.580.34	nero55	37° les19 ●			n55	0,2
Vb9.580.34.b	my bianco	37° les19 ●			n55	0,2
Vb9.580.35	argento hacca	46° les19 ●			n55	0,2
Vb9.580.36	nero55	46° les19 ●			n55	0,2
Vb9.580.36.b	my bianco	46° les19 ●			n55	0,2



accessori spot82. accessories.

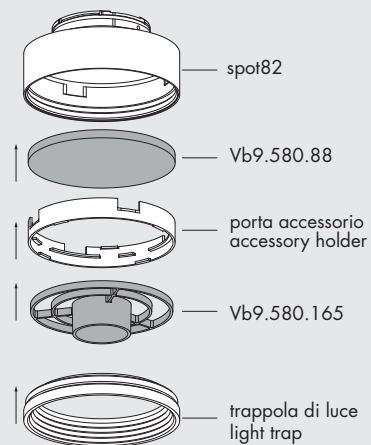
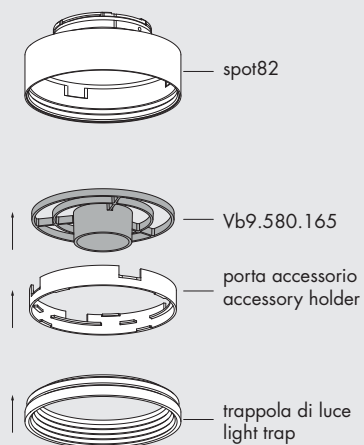


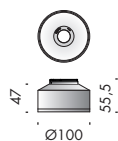
Vb9.580.86 frangiluce nido d'ape · honeycomb louvre 0,01

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

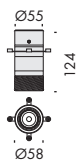




spot100			★	UK CA	CE	i
Vb9.580.37	argento hacca	10° les9 ● 16° les19 ●	n55	0,1		
Vb9.580.38	nero55	10° les9 ● 16° les19 ●	n55	0,1		
Vb9.580.38.b	my bianco	10° les9 ● 16° les19 ●	n55	0,1		
Vb9.580.39	argento hacca	22° les9 ● 25° les19 ●	n55	0,1		
Vb9.580.40	nero55	22° les9 ● 25° les19 ●	n55	0,1		
Vb9.580.40.b	my bianco	22° les9 ● 25° les19 ●	n55	0,1		
Vb9.580.41	argento hacca	40° les19 ●	n55	0,1		
Vb9.580.42	nero55	40° les19 ●	n55	0,1		
Vb9.580.42.b	my bianco	40° les19 ●	n55	0,1		
Vb9.580.43	argento hacca	54° les19 ●	n55	0,1		
Vb9.580.44	nero55	54° les19 ●	n55	0,1		
Vb9.580.44.b	my bianco	54° les19 ●	n55	0,1		



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



n55 spot sagomatore fisso

★

VB9.580.127 sagomatore · profile spot les 9 n55 0,7



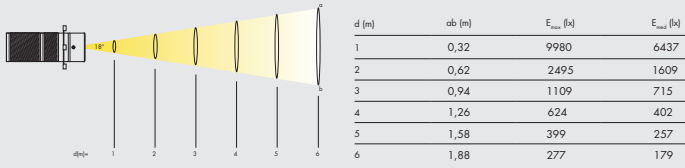
n55 spot sagomatore zoom

★

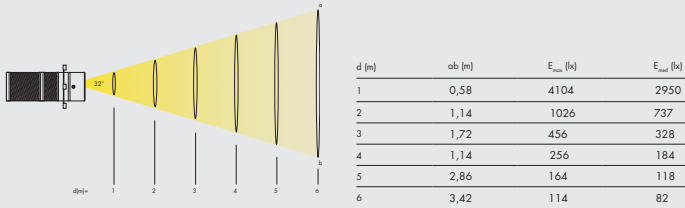
VB9.580.128 sagomatore · profile spot les 9 n55 0,7

propulsore dinamico 700mA

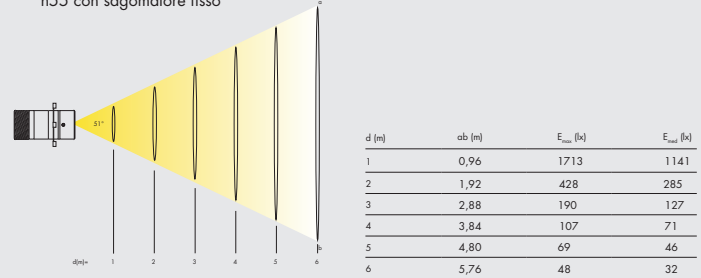
n55 con sagomatore zoom (min. apertura)



n55 con sagomatore zoom (max. apertura)

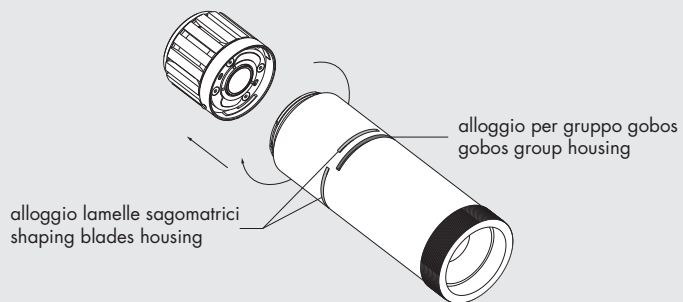


n55 con sagomatore fisso

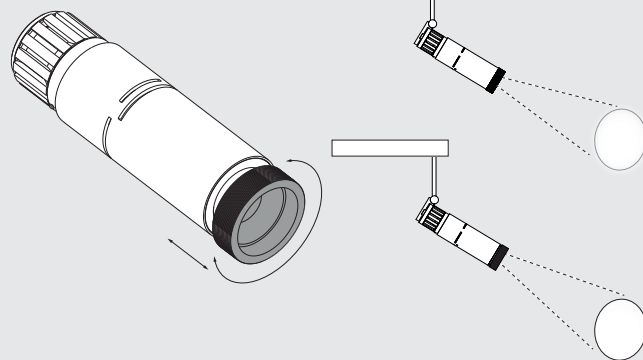




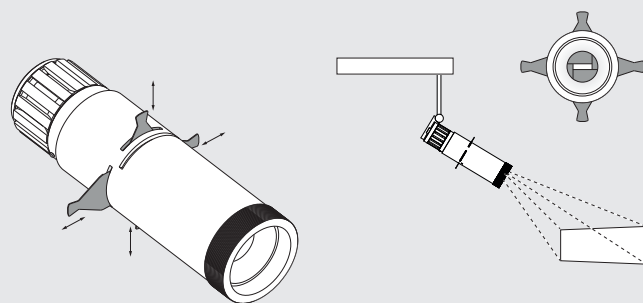
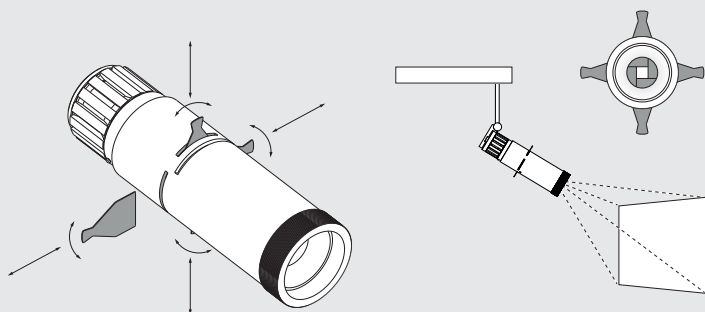
montaggio su propulsore dinamico n55
propeller mounting



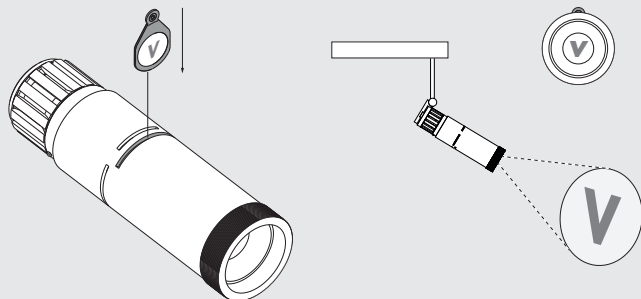
messa a fuoco · focus



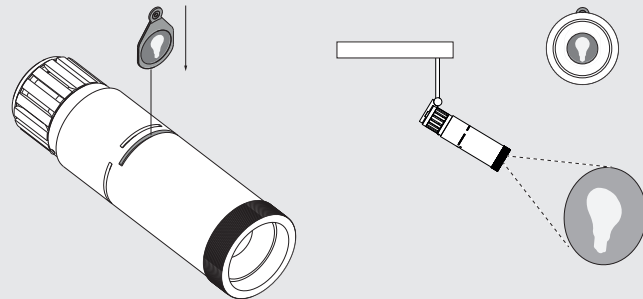
uso delle lamelle sagomatrici · use of shaping blades



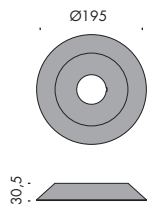
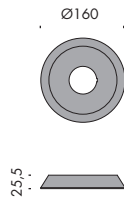
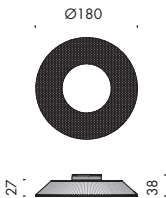
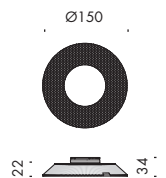
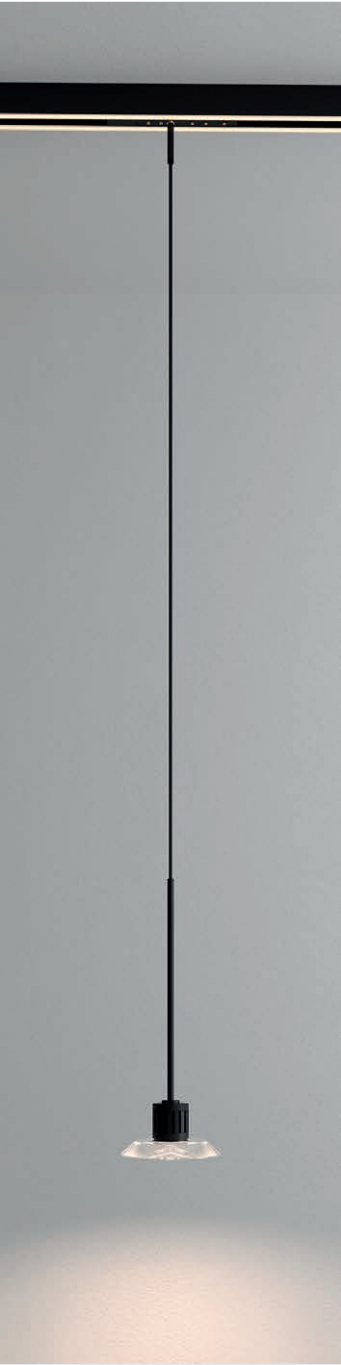
gobo in vetro non incluso
glass gobos not included



gobo in acciaio non incluso
steel gobos not included







lensoptica amP150		★	UK	CE	i
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Vb9.518.91	fascio stretto narrow beam	13°	les9 ●	n55	0,3
		22°	les19 ●		
Vb9.518.92	fascio largo wide beam	51°	les19 ●	n55	0,3

lensoptica amP180		★	UK	CE	i
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Vb9.518.81	fascio stretto narrow beam	10°	les9 ●	n55	0,6
		15°	les19 ●		
Vb9.518.82	fascio medio medium beam	41°	les19 ●	n55	0,6
Vb9.518.83	fascio largo wide beam	53°	les19 ●	n55	0,6
Vb9.518.84	fascio ellittico elliptical beam	20°x55°	les19 ●	n55	0,6

riflettore in metallo 150		★	UK	CE	i
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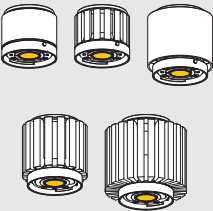
Vb9.518.95.n	nero55				0,1
Vb9.518.95.mb	my bianco				0,1
Vb9.518.95.h	argento hacca				0,1

riflettore in metallo 180		★	UK	CE	i
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Vb9.518.96.n	nero55				0,1
Vb9.518.96.mb	my bianco				0,1
Vb9.518.96.h	argento hacca				0,1



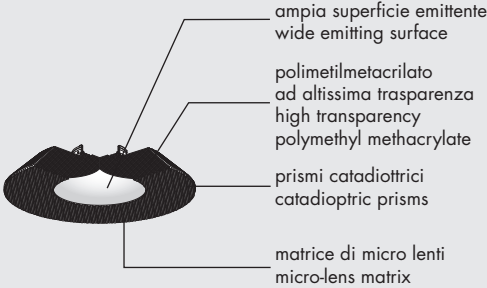
propulsore dinamico n55



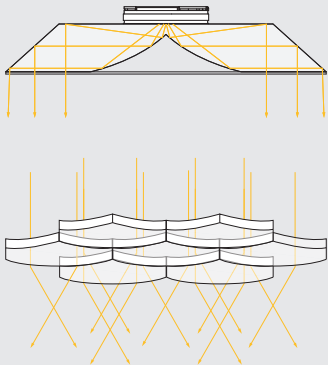
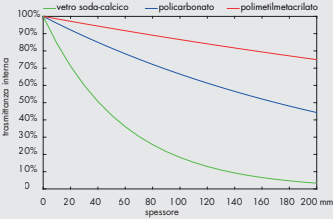
riflettore in metallo - metal reflector



lensoptica amP



materiale	coefficiente d'assorbimento α
vetro soda calcico	0,017 mm ⁻¹
polycarbonato	0,004 mm ⁻¹
polimetilmetacrilato	0,0014 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 $T_{(x)} = e^{-\alpha x}$

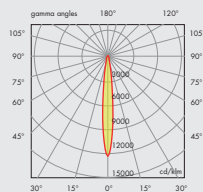
lensoptica amP è allo stesso tempo una lente e un riflettore, perché i raggi di luce subiscono rifrazione e riflessione totale interna. per questa caratteristica tecnica riesce a coniugare alta efficienza e accurato controllo direzionale della luce.
lensoptica amP is both a lens and a reflector at the 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 $UGR < 19$.

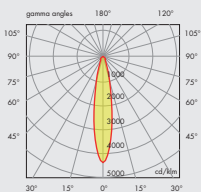
lensoptica amP150
13° les9

fascio stretto · narrow beam



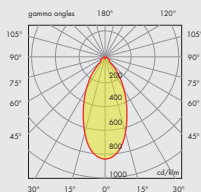
lensoptica amP150 22°
les19

fascio stretto · narrow beam



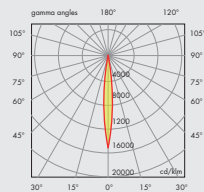
lensoptica amP150 51°
les19

fascio largo · wide beam



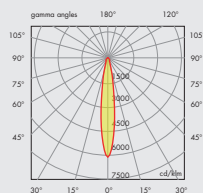
lensoptica amP180 10°
les9

fascio stretto · narrow beam



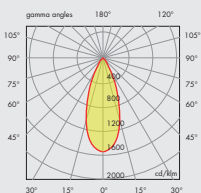
lensoptica amP180 15°
les19

fascio stretto · narrow beam



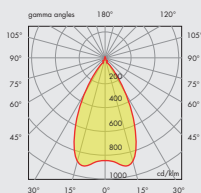
lensoptica amP180 41°
les19

fascio medio · medium beam



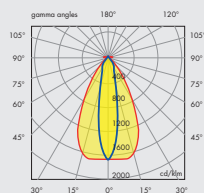
lensoptica amP180 53°
les19

fascio largo · wide beam



lensoptica amP180 20°x55°
les19

fascio ellittico · elliptical beam



lensoptica amP150

fascio stretto · narrow beam



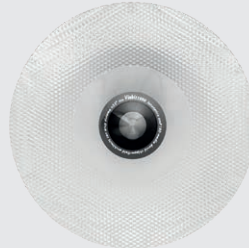
lensoptica amP180

fascio stretto · narrow beam



lensoptica amP180

fascio medio · medium beam



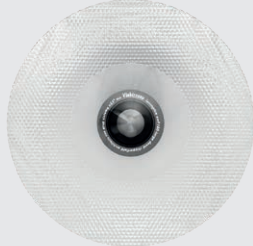
lensoptica amP150

fascio largo · wide beam



lensoptica amP180

fascio largo · wide beam



lensoptica amP180

fascio ellittico · elliptical beam



lensoptica amP
installazione · mounting

