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 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

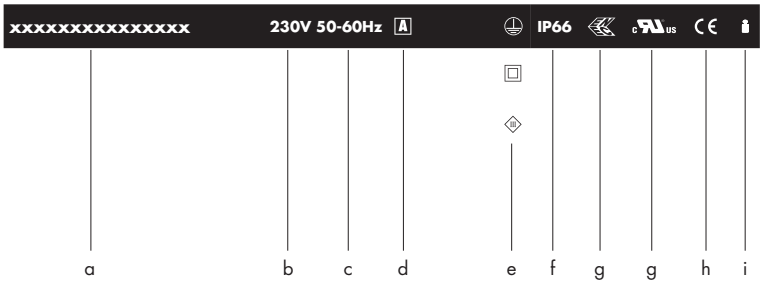
i progetti rendono gli oggetti eterni,
le mode li corrompono, gli imbecilli li copiano
e li vendono agli ignoranti e ai deficienti.
noi progettiamo e lavoriamo per aiutare la luce
ad emozionarvi.
i frutti delle nostre idee e dei nostri progetti
sono protetti da brevetti
e/o modelli registrati
e/o da diritto d'autore.

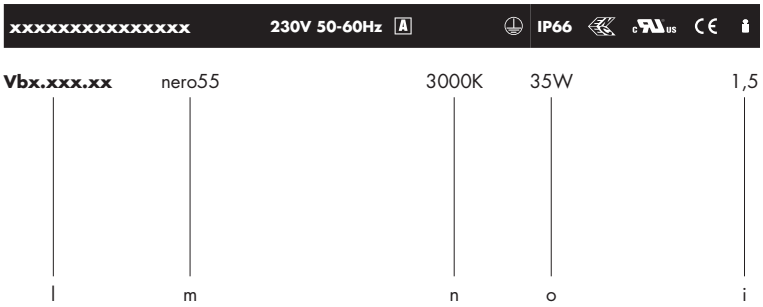
design makes objects timeless,
fashion corrupts them,
fools copy them and sell them to
ignorants and idiots.
we do projects and work to help light to bring
you true emotion.
the results of our ideas and our projects
are protected by patents
and/or registered models
and/or copyright.

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®, 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®, Viabizzunoapplight and Viabizzunoonline.

lettura delle tabelle tecniche how to read technical tables



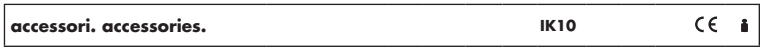


bandella tecnica. posizioni standard simbologie.
data plate. standard arrangement of symbols.

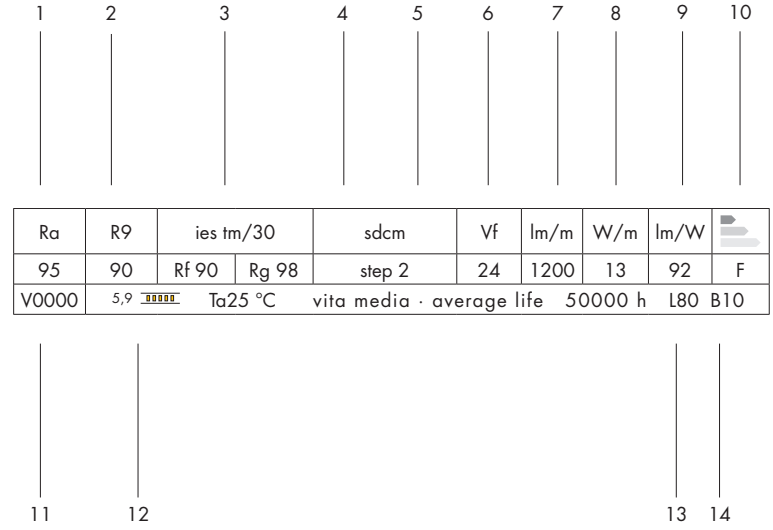
a	*nome apparecchio di illuminazione* · light fitting name
b	*tensione di alimentazione* · supply rating (Volt)
c	*frequenza di alimentazione* · supply frequency (Hertz)
d	*alimentatore incluso o escluso* · power supply included or not included
e	*classe di isolamento* · insulation class
f	*grado di 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 emmitting 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

IP1X *contro corpi estranei >50 mm*
protection against solid objects

IP2X *contro corpi estranei >12 mm*
protection against solid objects

IP3X *contro corpi estranei >2,5 mm*
protection against solid objects

IP4X *contro corpi estranei >1 mm*
protection against solid objects

IP5X *protezione da polvere*
dust-protected

IP6X *stagno alla polvere*
dust-proof

IPX0 *non protetto*
no protection

IPX1 *protetto contro la caduta verticale di gocce d'acqua*
protected against water drops falling vertically

IPX2 *protetto contro la caduta di gocce con inclinazione max 15°*
protected against water drops max inclination 15°

IPX3 *protetto contro la caduta di gocce con inclinazione max 60°*
protected against water drops max inclination 60°

IPX4 *protetto contro spruzzi d'acqua*
protected against sprinkling water

IPX5 *protetto contro getti d'acqua*
protected against water jets

IPX6 *protetto contro inondazioni*
rotected against flooding

IPX7 *per breve immersione*
protected against brief immersions

IPX8 *per immersione prolungata*
protected against long immersion

IK01 *nessuna protezione*
no protection

IK01 *protetto contro l'energia d'urto 0,15J*
protected against collision energy

IK02 *protetto contro l'energia d'urto 0,2J*
protected against collision energy

IK03 *protetto contro l'energia d'urto 0,35J*
protected against collision energy

IK04 *protetto contro l'energia d'urto 0,5J*
protected against collision energy

IK05 *protetto contro l'energia d'urto 0,7J*
protected against collision energy

IK06 *protetto contro l'energia d'urto 1J*
protected against collision energy

IK07 *protetto contro l'energia d'urto 2J*
protected against collision energy

IK08 *protetto contro l'energia d'urto 5J*
protected against collision energy

IK09 *protetto contro l'energia d'urto 10J*
protected against collision energy

IK10 *protetto contro l'energia d'urto 20J*
protected against collision energy

legenda simboli symbols key

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

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.

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

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

apparecchio di illuminazione approvato da kema · kema approved light fitting

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

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

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 *alimentatore incluso* · power supply included

A *alimentatore escluso* · power supply not included

AR *alimentatore remoto incluso* · remote power supply included

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

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

AS *alimentatore a spina incluso* · plug power supply included

T *trasformatore incluso* · transformer included

T *trasformatore escluso* · transformer not included

K *kit di cablaggio* · wiring kit

K *kit di cablaggio escluso* · wiring kit not included

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

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

pr *propulsore dinamico n55 incluso* · included

pr *propulsore dinamico n55 escluso* · not included

df *diffusore incluso* · diffuser included

df *diffusore escluso* · diffuser not included

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

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

ff *flicker free compatibile con fotocamere digitali* · flicker free digital camera friendly

l.d. *luce diretta* · direct light

l.i. *luce indiretta* · indirect light

.d1 *dimmerazione 1-10V* · 1-10V dimmable

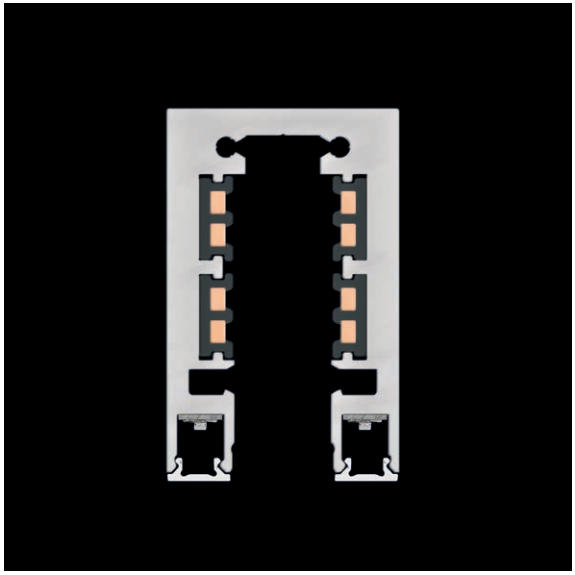
.d2 *dimmerazione dali* · dimmable dali

.SA *kit luce + emergenza sempre accese. attenzione: non è possibile installare nelle cassaforme laterizio*
light kit + permanently lit emergency lamp. please note: cannot be installed in brickwork housing

.SE *solo emergenza sempre accesa. attenzione: non è possibile installare nelle cassaforme laterizio*
permanently lit emergency lamp only. please note: cannot be installed in brickwork housing

peso netto · net weight (kg)

A sistema marionanni

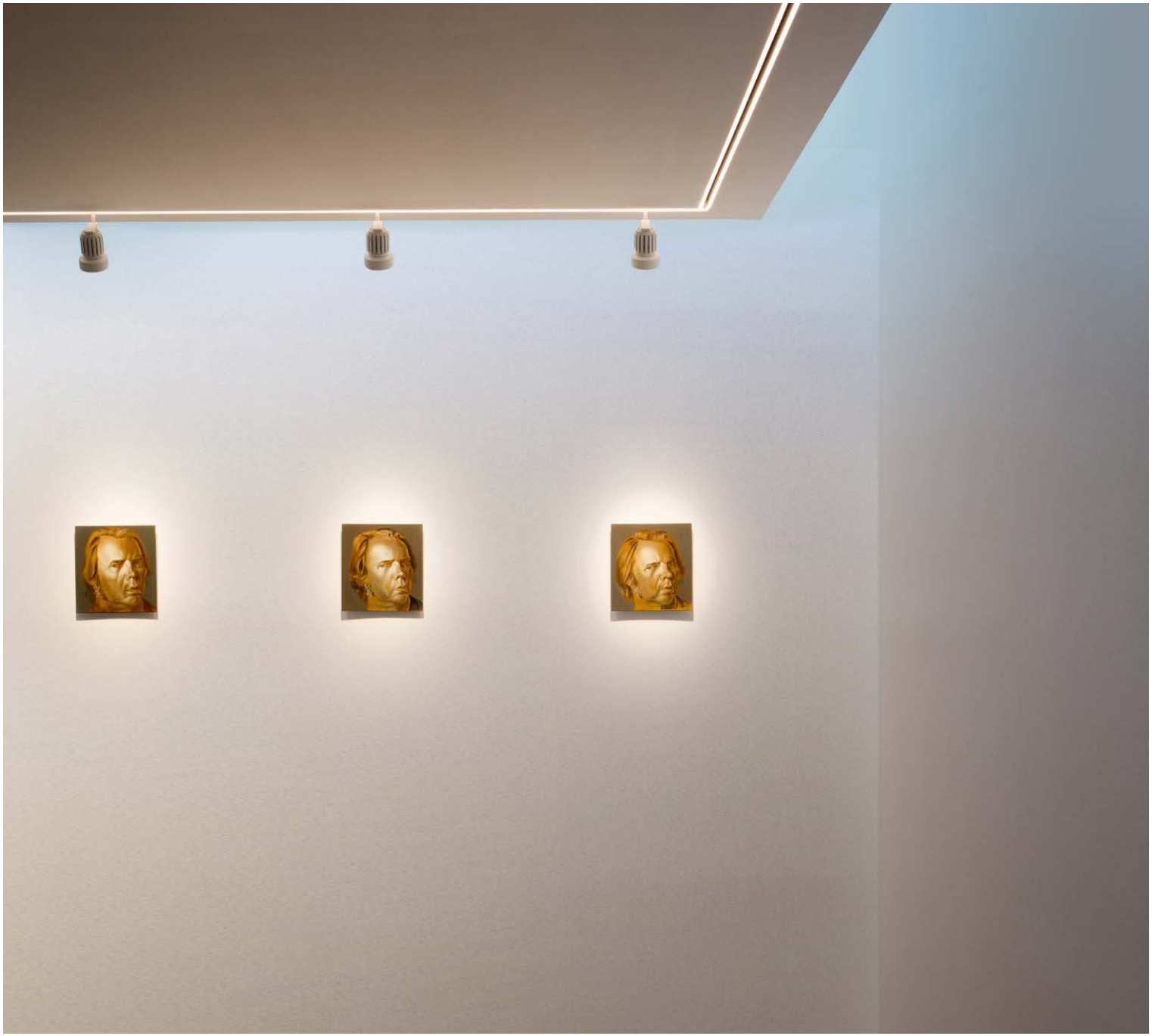


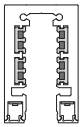
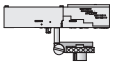
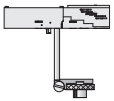
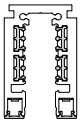
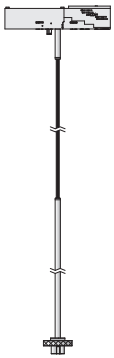
brevettato · patented

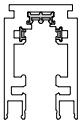


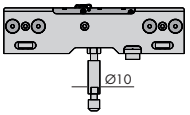
sistema a binario per interni IP20.
realizzato con profilo di alluminio estruso ossidato 30x48mm fino a 3000mm. possibilità di installazione a soffitto e scomparsa totale tramite apposita cassaforma. otto conduttori di rame di sezione 3mm² formano quattro linee di accensione fino a 5 ampere.
predisposto per alloggiare adattatori indirizzabili punto punto tramite sistema casambi per interfacce sistema n55 in versione orientabile e sospensione.
modelli:
A1 sistema senza sorgente elettronica,
A1 sistema con sorgente elettronica completo di estruso in policarbonato satinato, A10 sistema senza sorgente elettronica,
A11 sistema senza sorgente elettronica,
A11 sistema con sorgente elettronica completo di estruso in policarbonato 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.

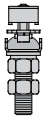
IP20-rated track system for indoor use.
made with 30x48mm oxidized extruded aluminum profile up to 3000mm.
possibility of ceiling installation and total recessed through special housing.
eight copper conductors of 3mm² cross section form four ignition lines up to 5 amperes. set to accommodate point-to-point 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.



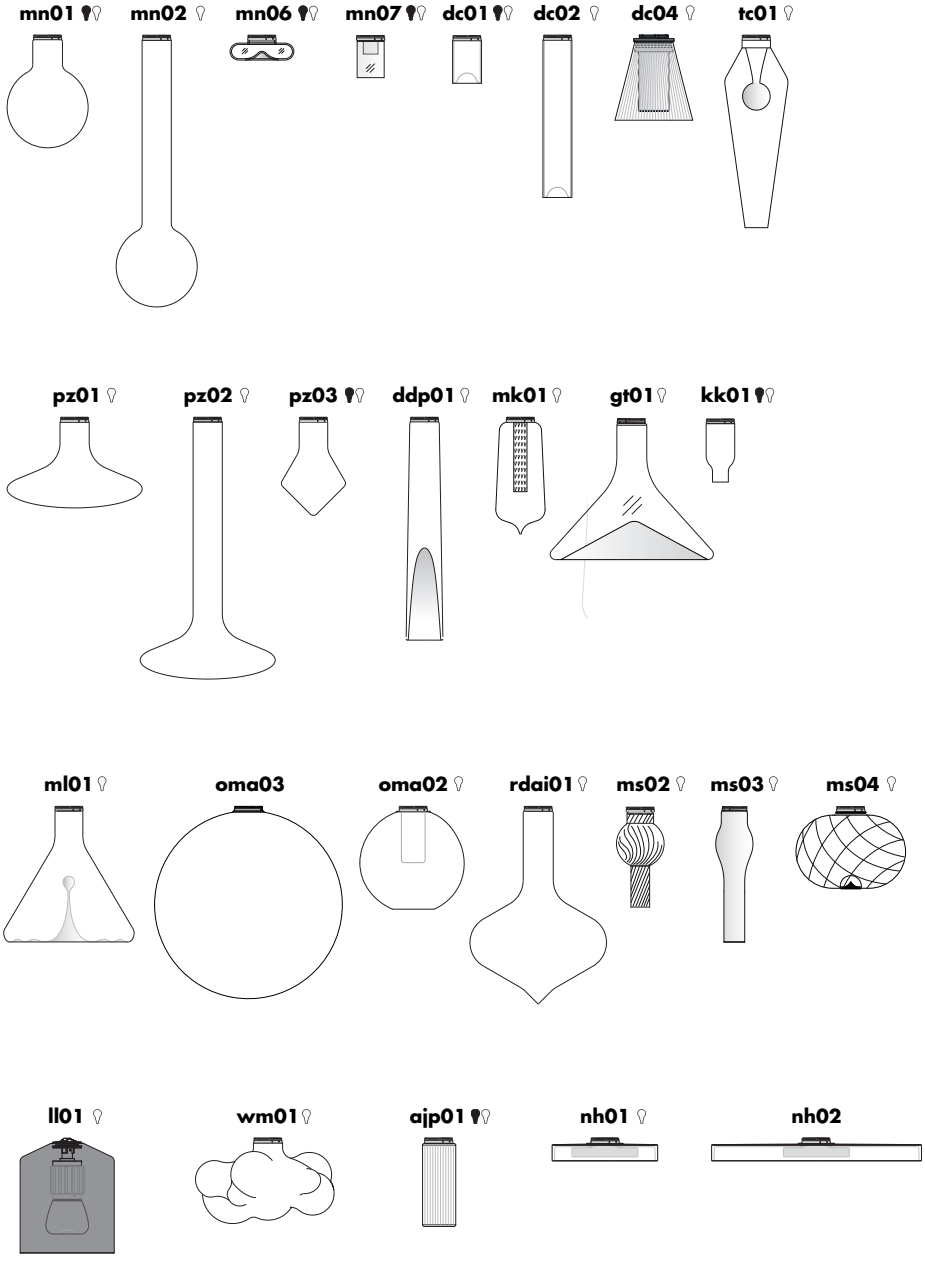
A sistema	n55 sistema	propulsore dinamico n55		diffusore classico classic diffusor
A1 	**n55 A1/A11** **interfaccia orientabile 30** 	**55/350e** les19 350mA 1240 lm 9,7W 128 lm/W	**55/350** les19 350mA 1240 lm 9,7W 128 lm/W	
	n55 A1/A11 **interfaccia orientabile 100** 	**55/500** les9 500mA 800 lm 13,6W 59 lm/W	**55/500** les19 500mA 1580 lm 14W 113 lm/W	**hm01** 
A11 		**65/500e** les19 500mA 1580 lm 14W 113 lm/W	**65/700** les9 700mA 1110 lm 19,5W 57 lm/W	
	n55 A1/A11 **interfaccia sospensione** 	**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 diffusor



diffusore tecnico
technical diffusor

	spot35	spot55x37	spot55x61
les19	87°	30° 38°	36° 47°
les9		18° 23° 36°	

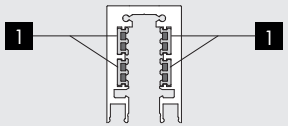
	spot82x35	spot82x79
les19	31° 42°	23° 37° 46°
les9	13° 19° 23° 35°	

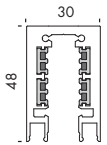
	spot100
les19	16° 25° 40° 54°
les9	10° 22°

	lensoptica amP150
les19	22° 51°
les9	13°

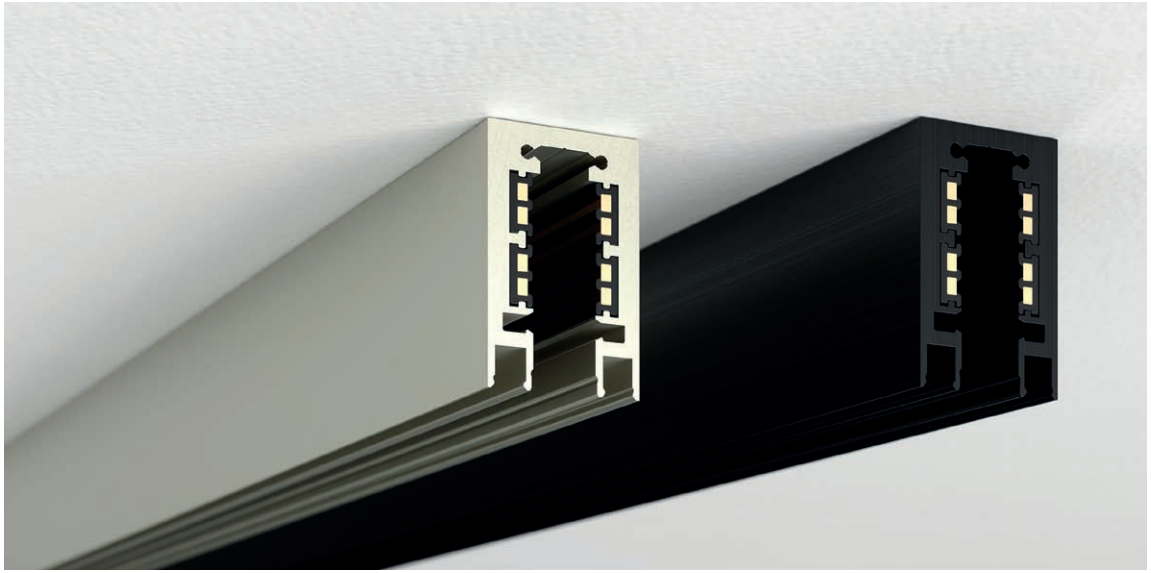
	lensoptica amP180
les19	15° 41° 53° 20°x55°
les9	10°

A1

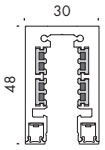




A1		48Vdc	IP20		
Vb6.613.05	nero55			3000mm	4,5
Vb6.613.06	argento hacca			3000mm	4,5
Vb6.613.11	nero55			2000mm	3
Vb6.613.12	argento hacca			2000mm	3
Vb6.613.15	nero55			1000mm	1,5
Vb6.613.16	argento hacca			1000mm	1,5



1 alimentazione 48Vdc
power supply

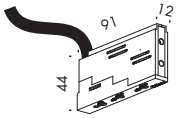


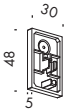
A1 con luce lineare		**48Vdc**		**IP20**		
Vb6.613.05.27	nero55	2700K	2x39W	3000mm	4,5	
Vb6.613.06.27	argento hacca	2700K	2x39W	3000mm	4,5	
Vb6.613.11.27	nero55	2700K	2x26W	2000mm	3	
Vb6.613.12.27	argento hacca	2700K	2x26W	2000mm	3	
Vb6.613.15.27	nero55	2700K	2x13W	1000mm	1,5	
Vb6.613.16.27	argento hacca	2700K	2x13W	1000mm	1,5	

Ra	R9	ies tm/30		sdcm	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

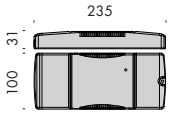
Ra	R9	ies tm-30		sdcm	Vf	lm/m	W/m	lm/W
95	90	Rf 93	Rg 102	step 2	48	1250	13	96
V0011	5,9	Ta25 °C		vita media · average life		50000 h	L80	B10





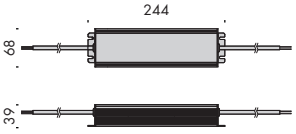
componenti. components. **48Vdc**

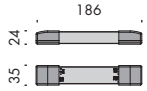
Vb6.613.40	adattatore di alimentazione nero con 8 contatti black feeding head with 8 contacts	0,5
Vb6.613.43	terminale nero per adattatore di alimentazione black terminal for power supply	0,1



alimentatori spot. power supplies. 240V 50-60Hz/48V

t4.057	on/off	75W	0,15
t4.058	on/off	150W	0,15



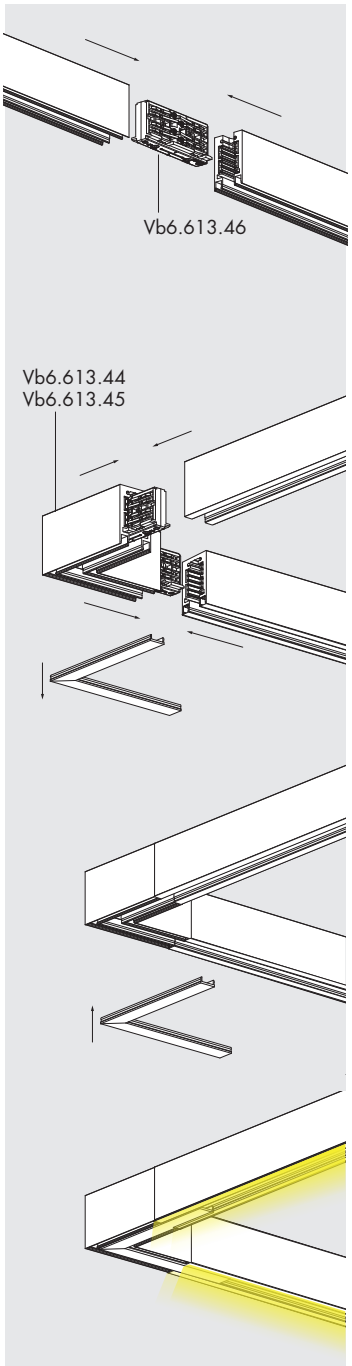


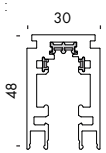
accessori linee di luce. accessories.

t4.053	alimentatore on/off 240V/48Vdc · power supply	240W	0,1
t4.213.f	converter dali 48Vdc/48Vdc	240W	1,1

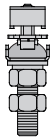
accessori. accessories.		48Vdc	☆	UK CA	CE	
Vb6.613.42	terminale cieco nero · black blind terminal					0,1
Vb6.613.44	giunto angolare 90° collegamento meccanico angular joint 90° mechanical joint				nero55	0,5
Vb6.613.45	giunto angolare 90° collegamento meccanico angular joint 90° mechanical joint				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 CA	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

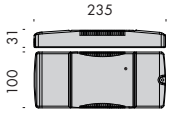




A10		48Vdc		IP20			
Vb6.613.201	nero55		max 50kg lineare		3000mm		4,5
Vb6.613.202	argento hacca		max 50kg lineare		3000mm		4,5

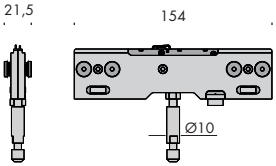


A10 aggancio meccanico			
Vb9.613.251		max 50kg	1



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

A10 carrello meccanico			
Vb9.613.253		max 30kg	1



A10 carrello elettrificato		**48Vdc**	
Vb9.613.252	carrello elettrificato · electrified carriage	max 30kg	1

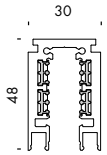
tappo di chiusura. closing cap		
Vb9.613.261	1pz · pc	1

A10 testata di alimentazione		**48Vdc**
Vb9.613.262		0,5

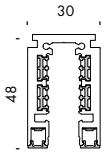
A10 giunto lineare		**48Vdc**
Vb9.613.271		0,2

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

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



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

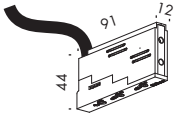


A11 con luce lineare	48Vdc		IP20		
VB6.613.331.27	nero55	2700K	2x39W	3000mm	4,5
VB6.613.332.27	argento hacca	2700K	2x39W	3000mm	4,5
VB6.613.321.27	nero55	2700K	2x26W	2000mm	3
VB6.613.322.27	argento hacca	2700K	2x26W	2000mm	3
VB6.613.311.27	nero55	2700K	2x13W	1000mm	1,5
VB6.613.312.27	argento hacca	2700K	2x13W	1000mm	1,5

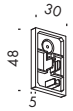
Ra	R9	ies tm/30		sdcm	Vf	lm/m	W/m	lm/W
95	90	Rf 90	Rg 98	step 2	48	1200	13	92
V0010	5,9	Ta25 °C		vita media · average life		50000 h	L80 B10	

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		sdcm	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	



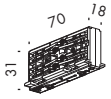
componenti. components.	48Vdc					
Vb6.613.40	adattatore di alimentazione nero con 8 contatti black feeding head with 8 contacts					0,5



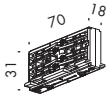
Vb6.613.43	terminale nero per adattatore di alimentazione black terminal for power supply					0,1

accessori. accessories.	48Vdc				
Vb6.613.42	terminale cieco nero · black blind terminal				0,1



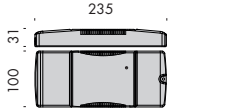


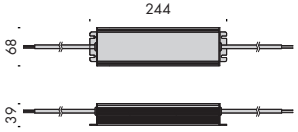
Vb6.613.46	giunto lineare elettrificato linear electrified joint	nero · black	0,2



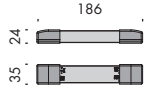
Vb6.613.47	giunto lineare meccanico linear mechanical joint	nero · black	0,2

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



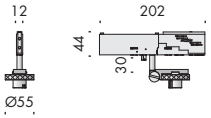


t4.053	alimentatore on/off 240V/48Vdc · power supply	240W	0,1

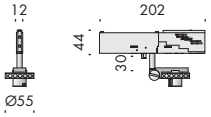


t4.213.f	converter dali 48Vdc/48Vdc	240W	1,1





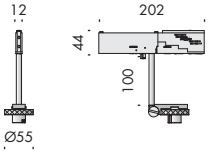
n55 A1/A11 interfaccia orientabile 30 on/off					48Vdc
Vb6.613.50	350/500/700/1050mA	nero55	on/off	n55	0,3
Vb6.613.51	350/500/700/1050mA	argento hacca	on/off	n55	0,3



n55 A1/A11 interfaccia orientabile 30 casambi					48Vdc
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

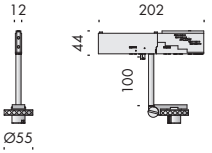




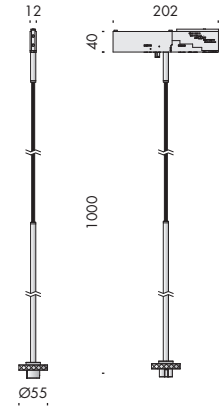


n55 A1/A11 interfaccia orientabile 100 on/off					48Vdc
Vb6.613.52	350/500/700/1050mA	nero55	on/off	n55	0,4
Vb6.613.54	350/500/700/1050mA	argento hacca	on/off	n55	0,4

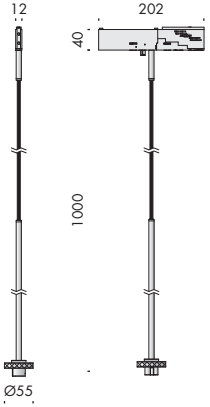




n55 A1/A11 interfaccia orientabile 100 casambi					48Vdc
Vb6.613.57.d4	350/500/700/1050mA	nero55	casambi	n55	0,4
Vb6.613.58.d4	350/500/700/1050mA	argento hacca	casambi	n55	0,4

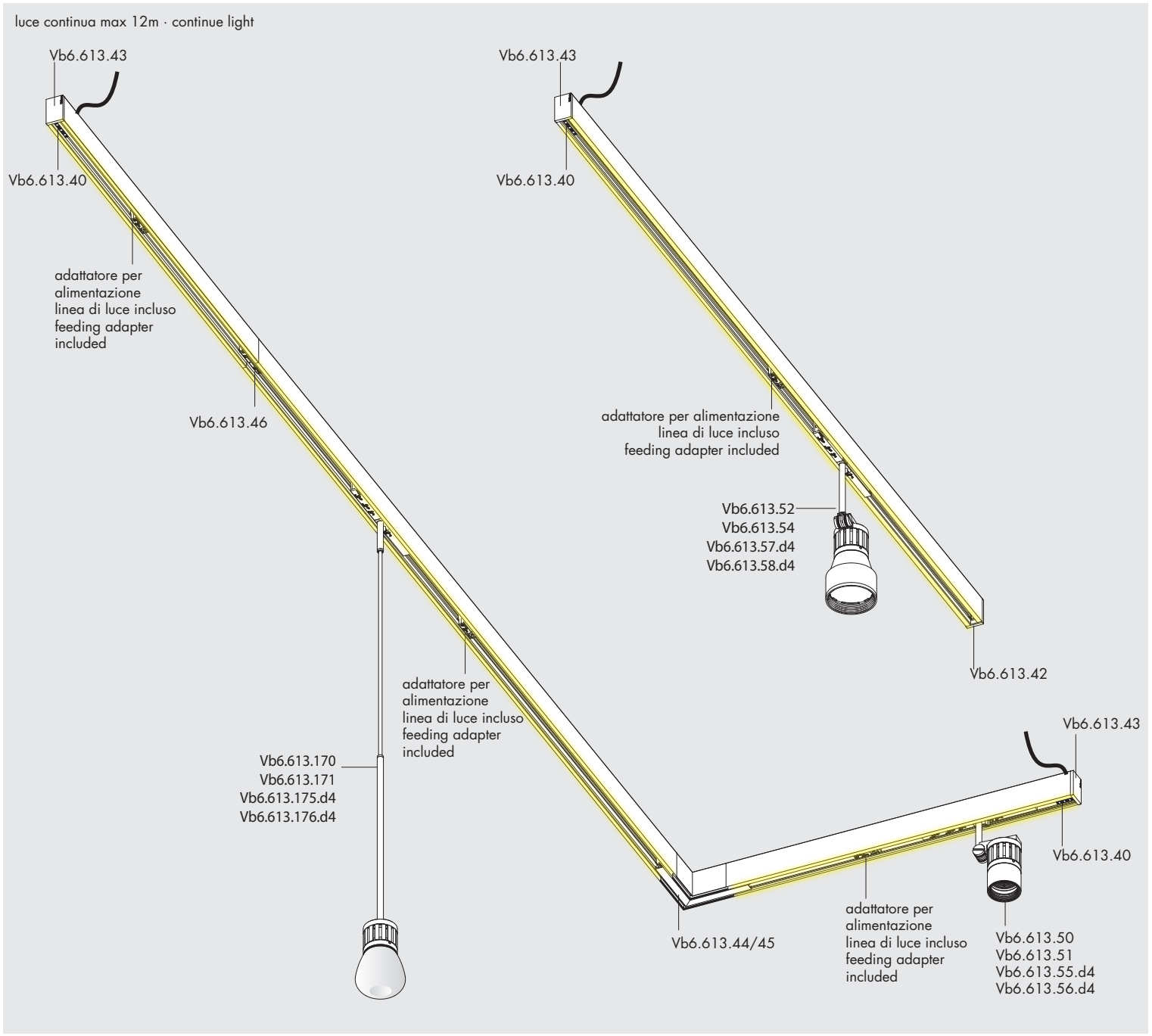


n55 A1/A11 interfaccia sospensione on/off			48Vdc		
Vb6.613.170	350/500/700/1050mA	nero55	on/off	n55	0,4
Vb6.613.171	350/500/700/1050mA	argento hacca	on/off	n55	0,4



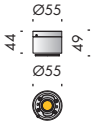
n55 A1/A11 interfaccia sospensione casambi			48Vdc		
Vb6.613.175.d4	350/500/700/1050mA	nero55	casambi	n55	0,4
Vb6.613.176.d4	350/500/700/1050mA	argento hacca	casambi	n55	0,4




luce continua max 12m · continue light
Vb6.613.43
Vb6.613.40
adattatore per alimentazione linea di luce incluso feeding adapter included
Vb6.613.46
Vb6.613.170
Vb6.613.171
Vb6.613.175.d4
Vb6.613.176.d4
adattatore per alimentazione linea di luce incluso feeding adapter included
Vb6.613.43
Vb6.613.40
adattatore per alimentazione linea di luce incluso feeding adapter included
Vb6.613.52
Vb6.613.54
Vb6.613.57.d4
Vb6.613.58.d4
Vb6.613.42
Vb6.613.43
Vb6.613.40
Vb6.613.44/45
adattatore per alimentazione linea di luce incluso feeding adapter included
Vb6.613.50
Vb6.613.51
Vb6.613.55.d4
Vb6.613.56.d4







propulsore dinamico n55 55/350e IP20 UK CA CE

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		sdcm	mA	$V_{f\,(min)}$	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	350	27,6	1240	9,7	128
xm000	les19 ●	Ta25 °C		vita media · average life			70000 h	L80	B10

Vb9.580.150.30	argento hacca	3000K	les19 ●	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		sdcm	mA	$V_{f\,(min)}$	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	350	27,6	1240	9,7	128
xm001	les19 ●	Ta25 °C		vita media · average life			70000 h	L80	B10

Vb9.580.150.30v	argento hacca	3000VbK	les19 ●	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		sdcm	mA	$V_{f\,(min)}$	lm	W	lm/W
98	98	Rf 93	Rg 106	step 1	350	27,6	1240	9,7	128
xm007	les19 ●	Ta25 °C		vita media · average life			70000 h	L80	B10



propulsore dinamico n55 55/350											
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		sdcm	mA	$V_{f\,(min)}$	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	350	27,6	1240	9,7	128
xm000	les19 ●	Ta25 °C		vita media · average life			70000 h	L80	B10

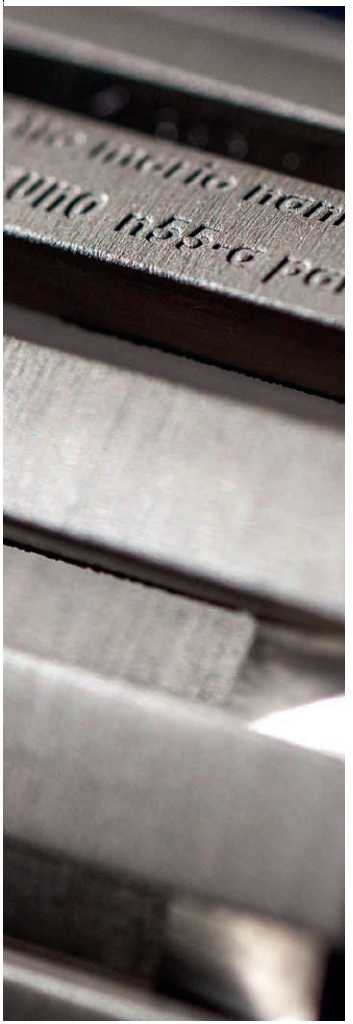
Vb9.580.50.30	argento hacca				3000K		les19 ●	n55	0,2		
Vb9.580.51.30	nero55				3000K		les19 ●	n55	0,2		
Vb9.580.52.30	my bianco				3000K		les19 ●	n55	0,2		

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

Vb9.580.50.30v	argento hacca				3000VbK		les19 ●	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		sdcm	mA	$V_{f\,(min)}$	lm	W	lm/W
98	98	Rf 93	Rg 106	step 1	350	27,6	1240	9,7	128
xm007	les19 ●	Ta25 °C		vita media · average life			70000 h	L80	B10













propulsore dinamico n55 55/500			IP20	UK CA CE
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

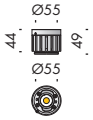
Ra	R9	ies tm-30		sdcm	mA	$V_{f\,(min)}$	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	500	27,9	1580	14,0	113
xm000	les19 ●	Ta25 °C		vita media · average life			70000 h	L80	B10

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		sdcm	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		sdcm	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 55/500				IP20				
Vb9.580.101.27	argento hacca	2700K	les9 ●	n55	0,2
Vb9.580.102.27	nero55	2700K	les9 ●	n55	0,2
Vb9.580.103.27	my bianco	2700K	les9 ●	n55	0,2

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	0,2
Vb9.580.102.30	nero55	3000K	les9 ●	n55	0,2
Vb9.580.103.30	my bianco	3000K	les9 ●	n55	0,2

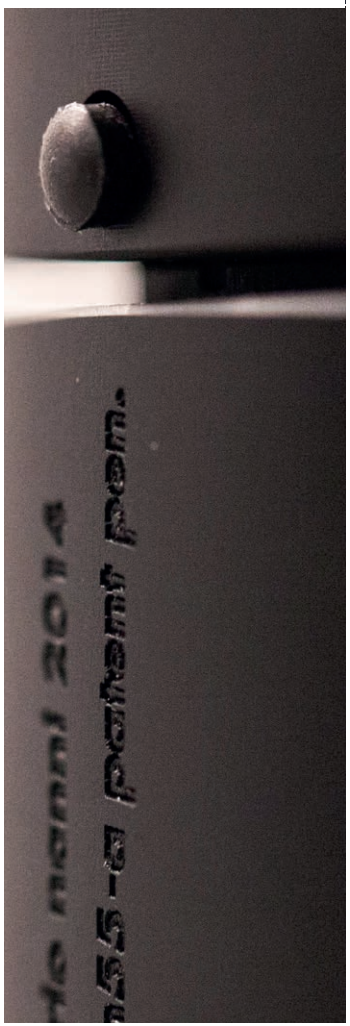
Ra	R9	ies tm-30		sdcm	mA	$V_{f\,(min)}$	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	500	27,1	800	13,6	59
xe001	les9 ●	Ta25 °C		vita media · average life			70000 h	L80	B10

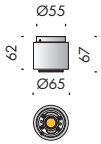


Vb9.580.101.30v	argento hacca	3000VbK	les9 ●	n55	0,2
Vb9.580.102.30v	nero55	3000VbK	les9 ●	n55	0,2
Vb9.580.103.30v	my bianco	3000VbK	les9 ●	n55	0,2

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







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		sdcm	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		sdcm	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

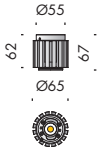
Vb9.580.154.30v	argento hacca	3000VbK	les19	n55	0,3	
Vb9.580.155.30v	nero55	3000VbK	les19	n55	0,3	
Vb9.580.156.30v	my bianco	3000VbK	les19	n55	0,3	

Ra	R9	ies tm-30		sdcm	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** | | |





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		

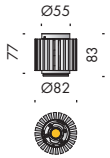
Ra	R9	ies tm-30		sdcm	mA	$V_{f\,(min)}$	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	700	27,9	1110	19,5	57
xe000	les9 ●	Ta25 °C		vita media · average life			70000 h	L80	B10

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		sdcm	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

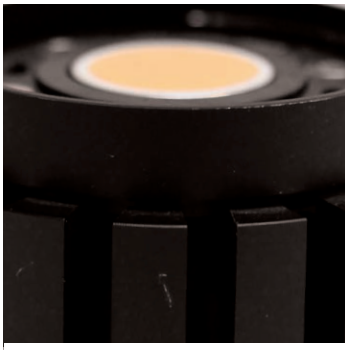
Vb9.580.106.30v	argento hacca	3000VbK	les9 ●	n55	0,3	
Vb9.580.107.30v	nero55	3000VbK	les9 ●	n55	0,3	
Vb9.580.108.30v	my bianco	3000VbK	les9 ●	n55	0,3	

Ra	R9	ies tm-30		sdcm	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



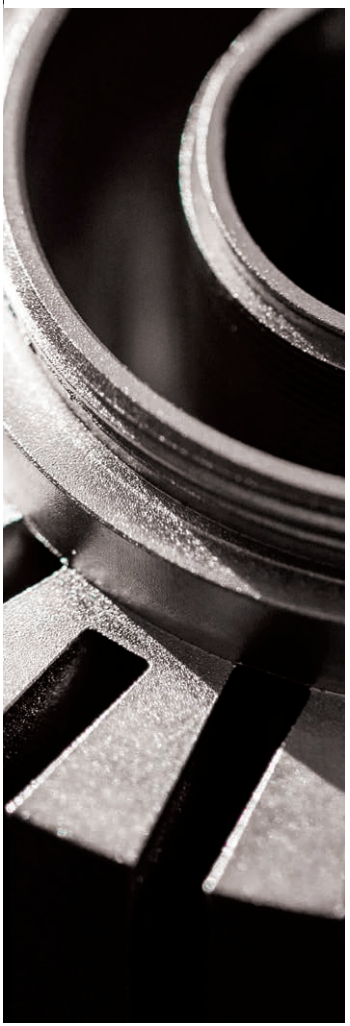
propulsore dinamico n55 82/1050				IP20				
Vb9.580.58.27	argento hacca	2700K		les19 ●	n55	0,5		
Vb9.580.59.27	nero55	2700K		les19 ●	n55	0,5		
Vb9.580.60.27	my bianco	2700K		les19 ●	n55	0,5		

Ra	R9	ies tm-30		sdcm	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		sdcm	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



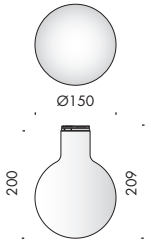
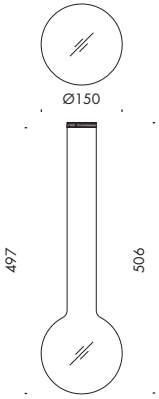
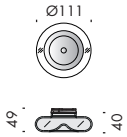
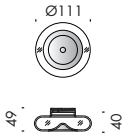
Vb9.580.58.30v	argento hacca	3000VbK		les19 ●	n55	0,5		
Vb9.580.59.30v	nero55	3000VbK		les19 ●	n55	0,5		
Vb9.580.60.30v	my bianco	3000VbK		les19 ●	n55	0,5		

Ra	R9	ies tm-30		sdcm	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	0,05
Vb9.580.01.s	hm01 sabbiata · sanded	n55	0,05
Vb9.580.01.b	hm01 bianco latte · milk white	n55	0,05
Vb9.580.02.t	hm02 trasparente · transparent	n55	0,1
Vb9.580.02.s	hm02 sabbiata · sanded	n55	0,1
Vb9.580.02.b	hm02 bianco latte · milk white	n55	0,1

marionanni				
	**Vb9.580.03.s**	mn01 sabbiato · 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 sabbiato · transparent sanded	n55	0,1







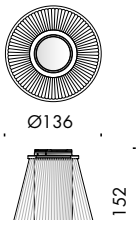
david chipperfield				
Vb9.580.05.s	dc01 sabbiato · sanded	n55	0,1



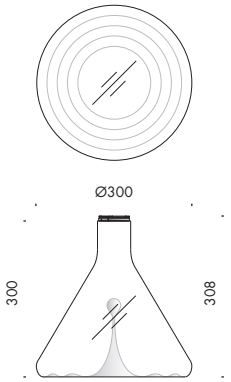


Vb9.580.06.s	dc02 sabbiato · sanded	n55	0,3



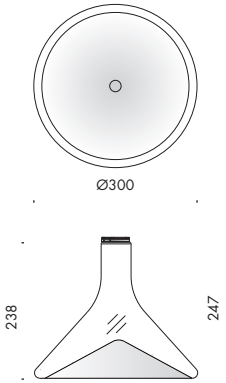


Vb9.580.20.tr	dc04 trasparente, rigato e sabbiato transparent, striped and sanded	n55	0,3



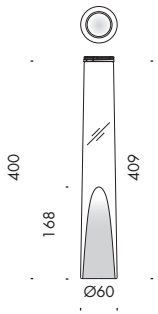
max lam				
Vb9.580.13.t	ml01 trasparente · transparent		n55	1,4





gio tirotto				
Vb9.580.17.t	gt01 trasparente, sabbiato · transparent, sanded		n55	1





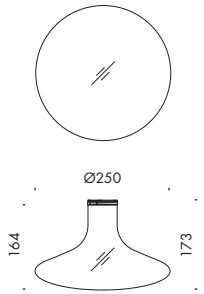
domenico de palo				
Vb9.580.114.t	ddp01 trasparente,sabbiato · transparent, sanded		n55	0,5

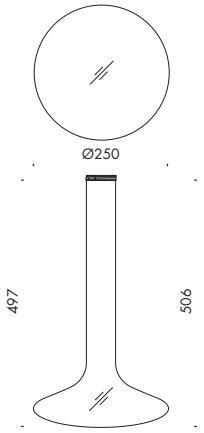


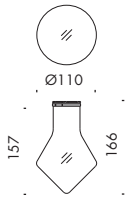


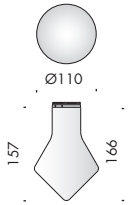








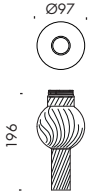




peter zumthor		☆ UK CA CE	
Vb9.580.08.t	pz01 trasparente · transparent	n55	0,3
Vb9.580.10.t	pz02 trasparente · transparent	n55	0,6
Vb9.580.11.t	pz03 trasparente · transparent	n55	0,2
Vb9.580.11.s	pz03 sabbiato · sanded	n55	0,2



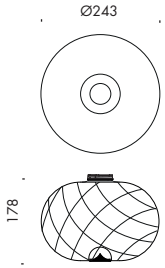
mirko spaccapanico



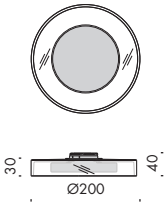
Vb9.580.175.t ms02 trasparente · transparent n55 0,2



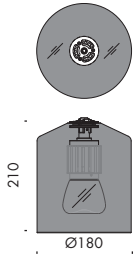
Vb9.580.176.t ms03 trasparente · transparent n55 0,2



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



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



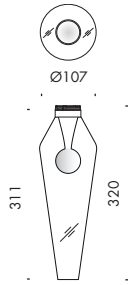
luigi lanzi			
Vb9.580.170	ll01 nero fumè · black smoke	n55	1,6

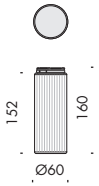


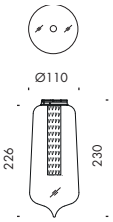


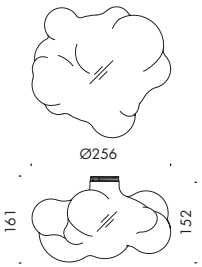












tzach cohen

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

al-jawad pike

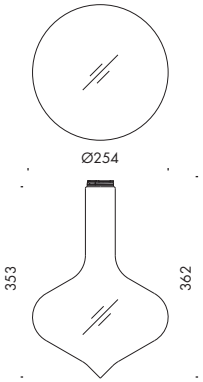
Vb9.580.18.tr	ajp01 trasparente, rigato · transparent, striped	n55	0,2

marcio kogan

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

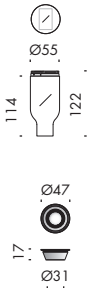
winy maas

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



rdai			
Vb9.580.12.t	rdai01 trasparente · transparent	n55	0,6

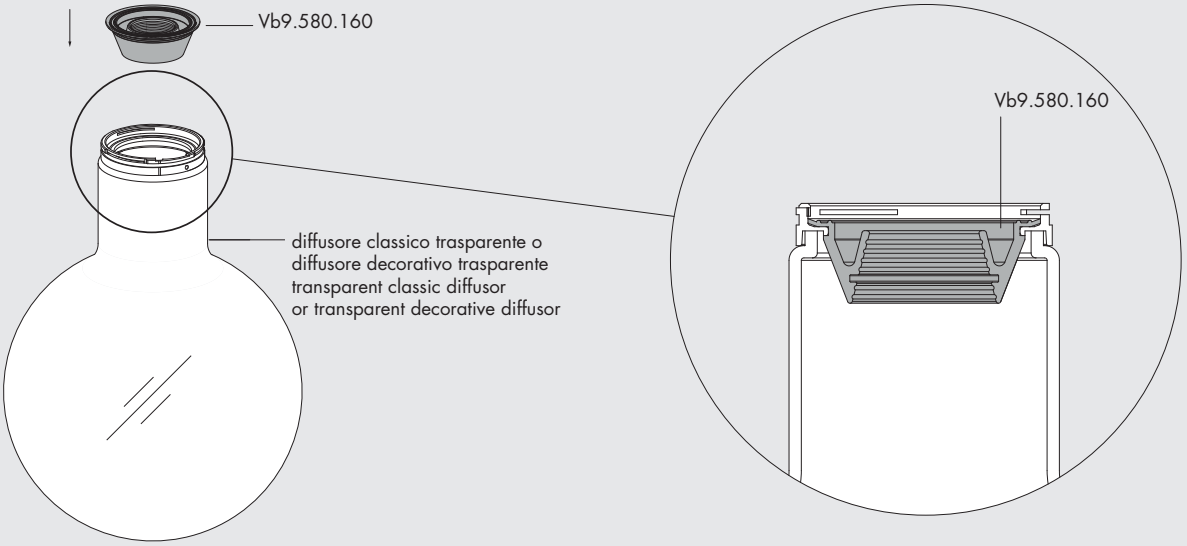




kengo kuma			
Vb9.580.07.c	kk01 cristallo · crystal	n55	0,3



accessori per diffusore trasparente. transparent diffusor accessories.		
Vb9.580.160	trappola di luce antiabbagliamento nero anti-glare black light trap	0,03

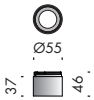






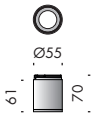
spot35					
Vb9.580.21	argento hacca		87° les19 ●	n55	0,1
Vb9.580.22	nero55		87° les19 ●	n55	0,1
Vb9.580.22.b	my bianco		87° les19 ●	n55	0,1



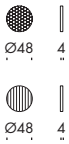


spot55x37					
Vb9.580.121	argento hacca	18° les9 ●		n55	0,1
Vb9.580.122	nero55	18° les9 ●		n55	0,1
Vb9.580.122.b	my bianco	18° les9 ●		n55	0,1
Vb9.580.123	argento hacca	23° les9 ●	30° les19 ●	n55	0,1
Vb9.580.124	nero55	23° les9 ●	30° les19 ●	n55	0,1
Vb9.580.124.b	my bianco	23° les9 ●	30° les19 ●	n55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

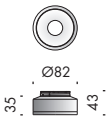




spot55x61					
Vb9.580.25	argento hacca		36° les19 ●	n55	0,2
Vb9.580.26	nero55		36° les19 ●	n55	0,2
Vb9.580.26.b	my bianco		36° les19 ●	n55	0,2
Vb9.580.27	argento hacca		47° les19 ●	n55	0,2
Vb9.580.28	nero55		47° les19 ●	n55	0,2
Vb9.580.28.b	my bianco		47° les19 ●	n55	0,2

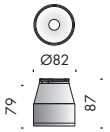


accessori. accessories.		
Vb9.580.91	frangiluce nido d'ape · honeycomb louvre	0,01
Vb9.580.92	lente ellittica · elliptical lens	0,04



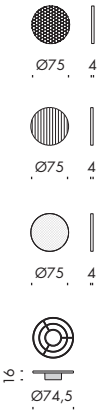
spot82x35						
Vb9.580.131	argento hacca	13° les9			n55	0,1
Vb9.580.132	nero55	13° les9			n55	0,1
Vb9.580.137	my bianco	13° les9			n55	0,1
Vb9.580.133	argento hacca	19° les9			n55	0,1
Vb9.580.134	nero55	19° les9			n55	0,1
Vb9.580.138	my bianco	19° les9			n55	0,1
Vb9.580.135	argento hacca	23° les9	31° 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



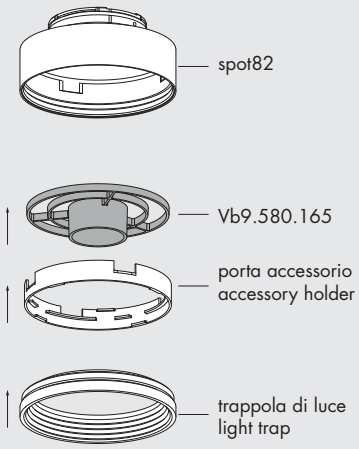


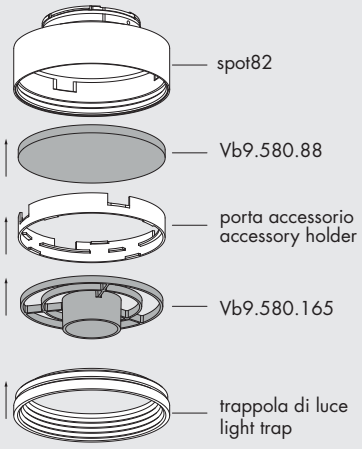
spot82x79						
Vb9.580.31	argento hacca		23° les19		n55	0,2
Vb9.580.32	nero55		23° les19		n55	0,2
Vb9.580.32.b	my bianco		23° les19		n55	0,2
Vb9.580.33	argento hacca		37° les19		n55	0,2
Vb9.580.34	nero55		37° les19		n55	0,2
Vb9.580.34.b	my bianco		37° les19		n55	0,2
Vb9.580.35	argento hacca		46° les19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

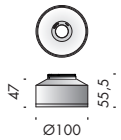




accessori spot82. accessories.		
Vb9.580.86	frangiluce nido d'ape · honeycomb louvre	0,01
Vb9.580.87	lente ellittica · elliptical lens	0,05
Vb9.580.88	vetro albarino · albarino glass	0,05
Vb9.580.165	anti abbagliamento · anti-glare	0,03







spot100					
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

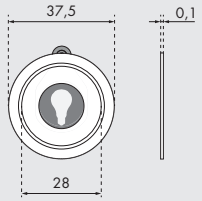




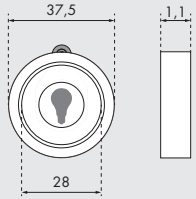


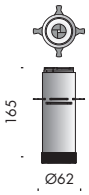
accessori spot100. accessories.		
Vb9.580.93	frangiluce nido d'ape · honeycomb louvre	0,01
Vb9.580.94	lente ellittica · elliptical lens	0,05

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	0,7

accessori. accessories.		
Vb9.580.118	gruppo per alloggiamento gobo in vetro housing for glass gobos	0,01
Vb9.580.119	gruppo per alloggiamento gobo in acciaio housing for steel gobos	0,1

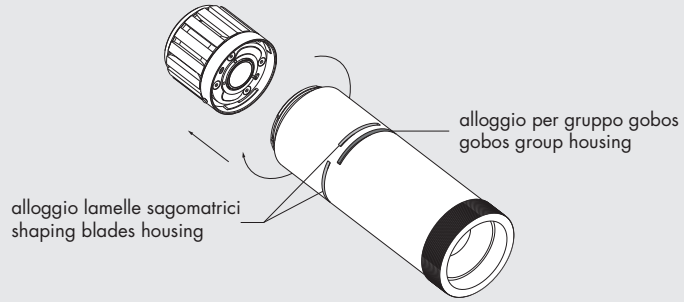
utilizzabile solo con · use only with
propulsore dinamico n55 les19 ●



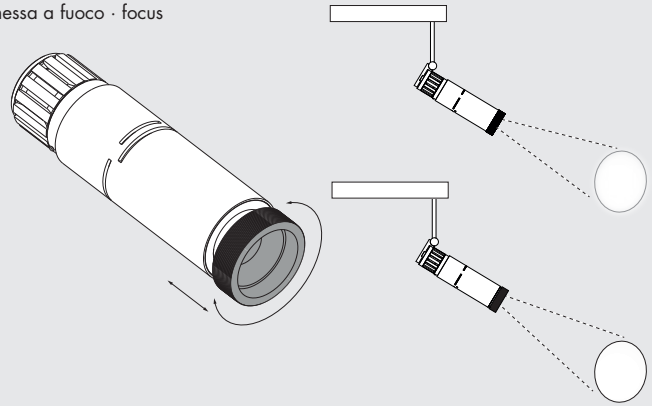
d (m)	ab (m)	e_{max} (lx)	e_{med} (lx)
1	0,38	2761	2273
2	0,76	690	568
3	1,14	307	253
4	1,51	173	142
5	1,89	110	91
6	2,27	77	63



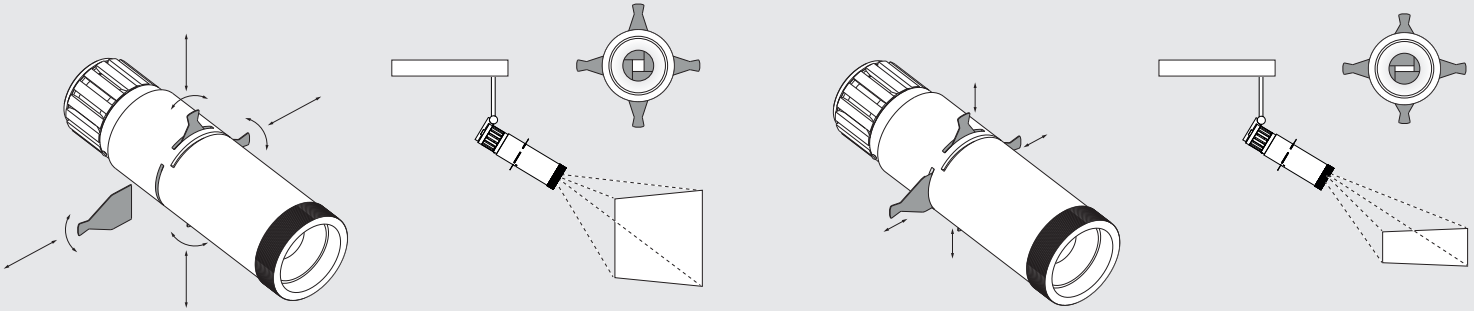
montaggio su propulsore dinamico n55
propeller mounting



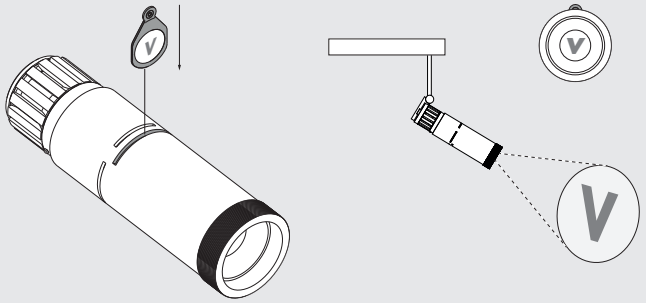
messa a fuoco · focus



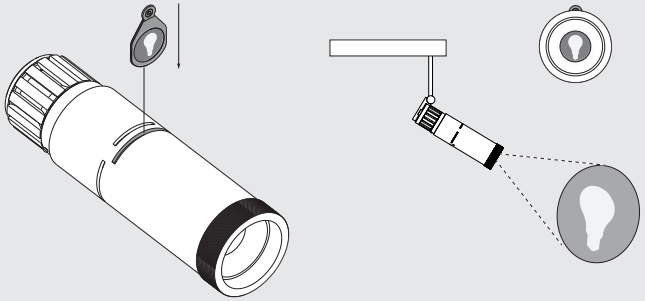
uso delle lamelle sagomatrici · use of shaping blades



gobo in vetro non incluso
glass gobos not included

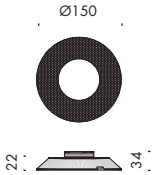


gobo in acciaio non incluso
steel gobos not included

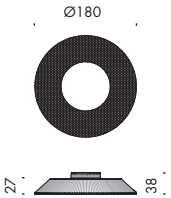




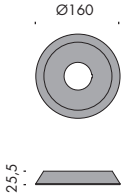




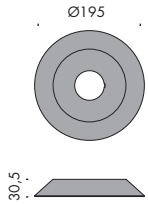
lensoptica amP150					
Vb9.518.91	fascio stretto narrow beam	13° 22°	les9 ● les19 ●	n55	0,3
Vb9.518.92	fascio largo wide beam	51°	les19 ●	n55	0,3



lensoptica amP180					
Vb9.518.81	fascio stretto narrow beam	10° 15°	les9 ● les19 ●	n55	0,6
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



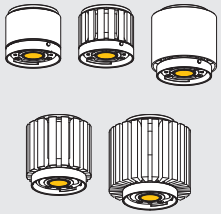
riflettore in metallo 150		
Vb9.518.95.n	nero55	0,1
Vb9.518.95.mb	my bianco	0,1
Vb9.518.95.h	argento hacca	0,1



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



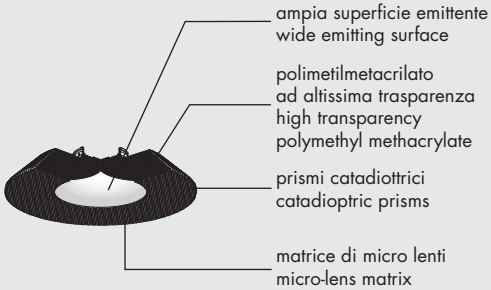
propulsore dinamico n55



riflettore in metallo · metal reflector

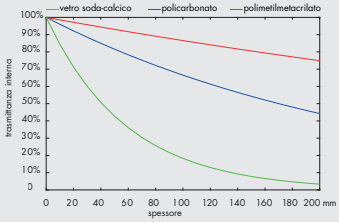


lensoptica amP

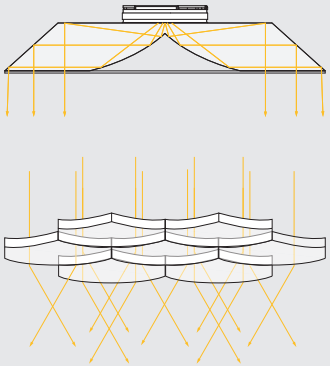


materiale	coefficiente d'assorbimento α
vetro soda calcico	0,017 mm^{-1}
policarbonato	0,004 mm^{-1}
polimetilmetacrilato	0,0014 mm^{-1}

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



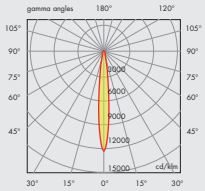
lensoptica amP è allo stesso tempo una lente e un riflettore, perché i raggi di luce subiscono rifrazione e riflessione totale interna. per questa caratteristica tecnica riesce a coniugare alta efficienza e accurato controllo direzionale della luce.
lensoptica amP is both a lens and a reflector at the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



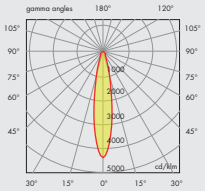
la superficie emittente di **lensoptica amP** è dotata di una matrice di microlenti.
ogni microlente riceve un fascio collimato e in funzione della curvatura ne allarga l'apertura angolare in modo controllato.
la sovrapposizione dei contributi delle singole microlenti produce una distribuzione d'illuminamento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

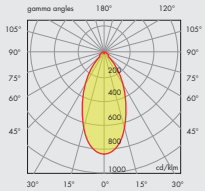
lensoptica amP150
13° les9
fascio stretto · narrow beam



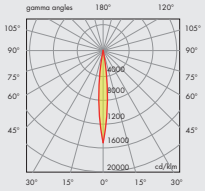
lensoptica amP150 22°
les19
fascio stretto · narrow beam



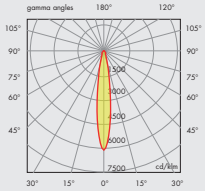
lensoptica amP150 51°
les19
fascio largo · wide beam



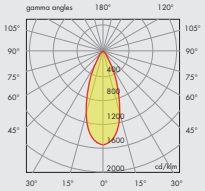
lensoptica amP180 10°
les9
fascio stretto · narrow beam



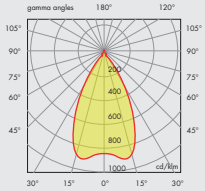
lensoptica amP180 15°
les19
fascio stretto · narrow beam



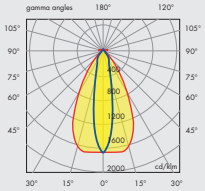
lensoptica amP180 41°
les19
fascio medio · medium beam



lensoptica amP180 53°
les19
fascio largo · wide beam



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



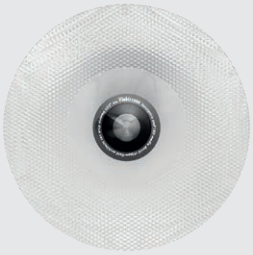
lensoptica amP150
fascio stretto · narrow beam



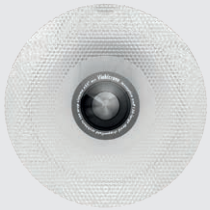
lensoptica amP180
fascio stretto · narrow beam



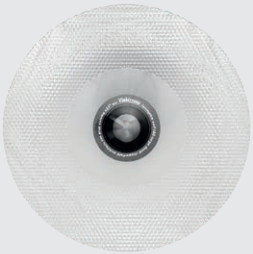
lensoptica amP180
fascio medio · medium beam



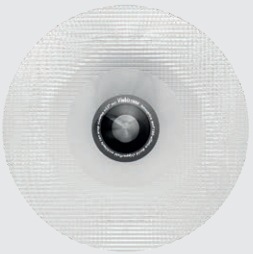
lensoptica amP150
fascio largo · wide beam



lensoptica amP180
fascio largo · wide beam



lensoptica amP180
fascio ellittico · elliptical beam



lensoptica amP
installazione · mounting

