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

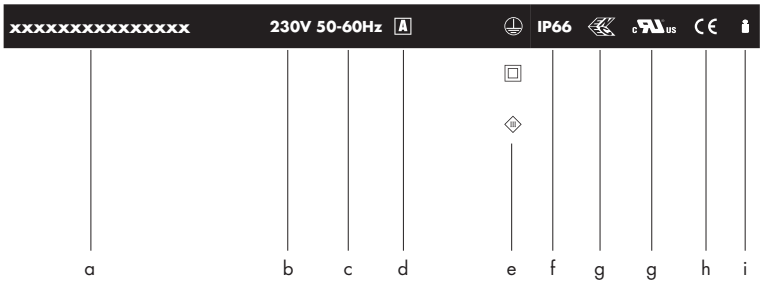
i progetti rendono gli oggetti eterni,
le mode li corrompono, gli imbecilli li copiano
e li vendono agli ignoranti e ai deficienti.
noi progettiamo e lavoriamo per aiutare la luce
ad emozionarvi.
i frutti delle nostre idee e dei nostri progetti
sono protetti da brevetti
e/o modelli registrati
e/o da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

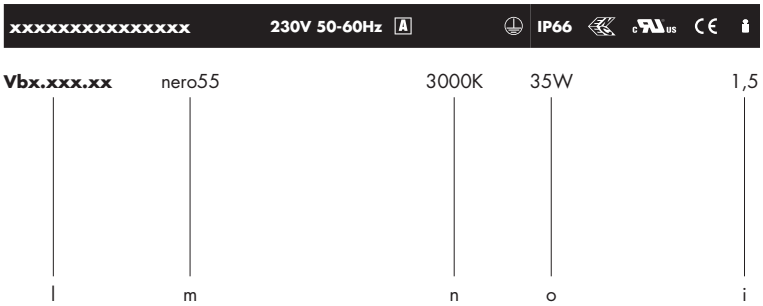
in order to provide to our customers the maximum quality of light using the most advanced technologies, being strong of our artisan knowledge made in italy, we constantly update our lighting fixtures.
Viabizzuno reserves the right to make any modification, considered worthwhile, to its own models, without any notification. for valid dimensions and codes please consult our working tools www.Viabizzuno.com, Viacommerce®, Viabizzunoapplight and Viabizzunoonline.

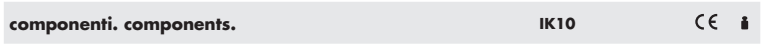
lettura delle tabelle tecniche how to read technical tables



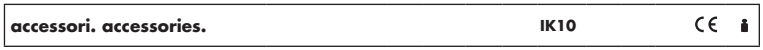
bandella tecnica. posizioni standard simbologie.
data plate. standard arrangement of symbols.

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)

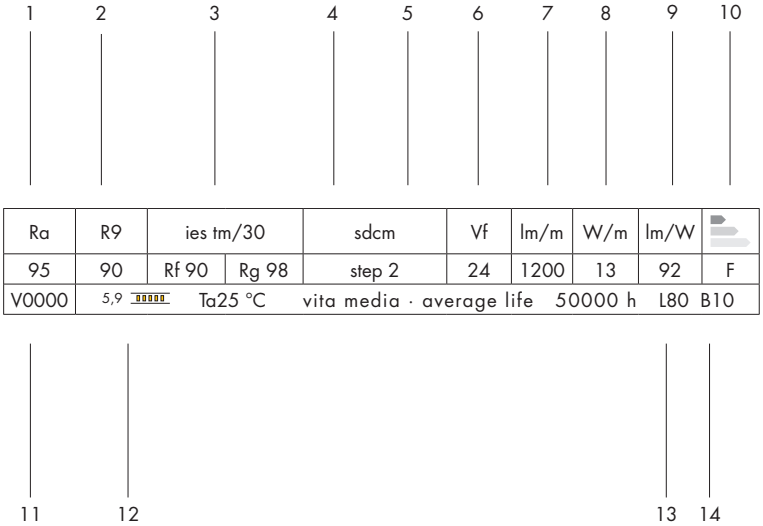




componenti. identifica tutti gli elementi indispensabili per la corretta funzionalità e installazione dell'apparecchio di illuminazione.
components. includes all items that are essential to the correct operation and installation of the light fitting.



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.

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

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

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)

n55® soffitto

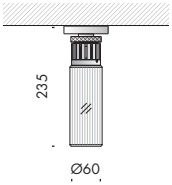
marionanni

apparecchio di illuminazione a soffitto per interni IP20 realizzato in alluminio ossidato.
modelli con alimentatore incluso, da installare remoto o con alimentatore integrato:
n55 soffitto con diffusore decorativo ajp01,
n55 soffitto con diffusore decorativo dc01,
n55 soffitto con diffusore decorativo dc02,
n55 soffitto con diffusore decorativo dc04,
n55 soffitto con diffusore decorativo mn01,
n55 soffitto con diffusore decorativo kk01,
n55 soffitto con diffusore decorativo pz01,
n55 soffitto con diffusore decorativo pz03,
n55 soffitto con diffusore decorativo wm01.
cablato con propulsore dinamico n55 55/500 les19 14W 500mA 1580lm, Ra98 1 step macadam.
l'apposito attacco n55 permette di intercambiare tre tipi di diffusori: classico, decorativo e tecnico. eventuali irregolarità del vetro sono garanzia di un prodotto unico, soffiato e realizzato interamente a mano da maestri vetrai.
la versione con alimentatore 120-240V 50-60Hz integrato è fornita di controllo intelligente che regola automaticamente la corrente al tipo di propulsore. lo stesso alimentatore può essere ordinato a parte per le altre versioni.
finiture: argento hacca, nero55.
diffusori classici e decorativi con vetro trasparente, sabbiato e bianco latte.
personalizza la tua luce vai su www.Viabizzuno.com

IP20 rated ceiling mounted light fitting for indoor use made of oxidised extruded aluminium.
versions with 120-240V power supply included, to be installed remotely or with integrated power supply:
n55 soffitto with ajp01 decorative diffuser,
n55 soffitto with dc01 decorative diffuser,
n55 soffitto with dc02 decorative diffuser,
n55 soffitto with dc03 decorative diffuser,
n55 soffitto with mn01 decorative diffuser,
n55 soffitto with kk01 decorative diffuser,
n55 soffitto with pz01 decorative diffuser,
n55 soffitto with pz03 decorative diffuser,
n55 soffitto with wm01 decorative diffuser.
wired with propulsore dinamico n55 55/500 les19 14W 500mA 1580lm Ra98 1 step macadam.
the specific n55 lamp-holder allows to change three types of light diffuser: classic, decorative and technical. any irregularities in the glass are a guarantee of an unique product, blown and entirely hand crafted by master glassmakers.
the integrated 120-240V 50-60Hz power supply version has a smart control which automatically provides the suitable current according to the type of propeller. the same power supply can also be ordered separately for the other versions.
accessories: fully concealed housing for plasterboard and brickwork, end caps, gasket with light trap for transparent glass; honeycomb louvre, elliptical lens and anti-glare for technical bulbs.
finishes: argento hacca, nero55.
classic and decorative diffuser with transparent, sanded and milk white glass.
customize your light visit www.Viabizzuno.com

brevettato · patented

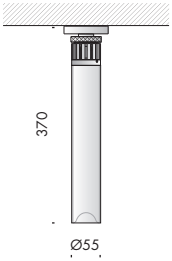
'n55 film' guarda su · watch on www.viabizzuno.com/n55-film



n55 soffitto ajp01 **120-240V 50-60Hz** AiR

Via.552.0300	argento hacca	trasparente, rigato transparent, striped	2700K	les19	n55 0,5
Via.552.0301	nero55	trasparente, rigato transparent, striped	2700K	les19	n55 0,5

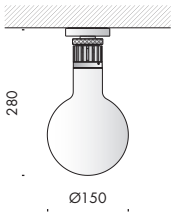
Ra	R9	ies tm-30		sdcm	mA	$V_{f\,(min)}$	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	500	27,9	1580	14,0	113
xm000	les19	Ta25 °C		vita media · average life			70000 h	L80 B10	



n55 soffitto dc02 **120-240V 50-60Hz** AiR

Via.552.0304	argento hacca	sabbiato · sanded	2700K	les19	n55 0,6
Via.552.0305	nero55	sabbiato · sanded	2700K	les19	n55 0,6

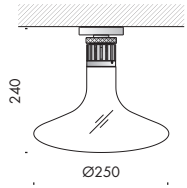
Ra	R9	ies tm-30		sdcm	mA	$V_{f\,(min)}$	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	500	27,9	1580	14,0	113
xm000	les19	Ta25 °C		vita media · average life			70000 h	L80 B10	



n55 soffitto mn01 **120-240V 50-60Hz** AiR

Via.552.0308	argento hacca	sabbiato · sanded	2700K	les19	n55 0,8
Via.552.0309	nero55	sabbiato · sanded	2700K	les19	n55 0,8

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	

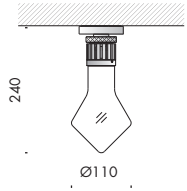


n55 soffitto pz01 **120-240V 50-60Hz** AiR IP20 df pr UK CA CE

Via.552.0312 argento hacca trasparente · transparent 2700K les19 ● n55 0,8

Via.552.0313 nero55 trasparente · transparent 2700K les19 ● n55 0,8

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	

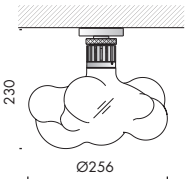


n55 soffitto pz03 **120-240V 50-60Hz** AiR IP20 df pr UK CA CE

Via.552.0316 argento hacca trasparente · transparent 2700K les19 ● n55 0,5

Via.552.0317 nero55 trasparente · transparent 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	500	27,9	1580	14,0	113
xm000	les19 ●	Ta25 °C		vita media · average life			70000 h	L80 B10	

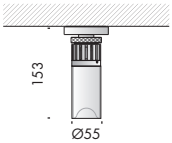


n55 soffitto wm01 **120-240V 50-60Hz** AiR IP20 df pr UK CA CE

Via.552.0320 argento hacca trasparente · transparent 2700K les19 ● n55 1,0

Via.552.0321 nero55 trasparente · transparent 2700K les19 ● n55 1,0

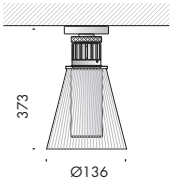
Ra	R9	ies tm-30		sdcm	mA	$V_{f\,(min)}$	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	500	27,9	1580	14,0	113
xm000	les19 ●	Ta25 °C		vita media · average life			70000 h	L80 B10	



n55 soffitto dc01 120-240V 50-60Hz AiR IP20 df pr UK CA CE

Via.552.0346	argento hacca	sabbiato · sanded	2700K les19 ●	n55 0,8
Via.552.0347	nero55	sabbiato · sanded	2700K les19 ●	n55 0,8

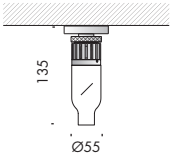
Ra	R9	ies tm-30		sdcm	mA	$V_{f\,(min)}$	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	500	27,9	1580	14,0	113
xm000	les19 ●	Ta25 °C		vita media · average life			70000 h	L80 B10	



n55 soffitto dc04 120-240V 50-60Hz AiR IP20 df pr UK CA CE

Via.552.0348	argento hacca	trasparente, rigato, sabbiato transparent, striped, sanded	2700K les19 ●	n55 1,0
Via.552.0349	nero55	trasparente, rigato, sabbiato transparent, striped, sanded	2700K les19 ●	n55 1,0

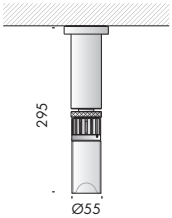
Ra	R9	ies tm-30		sdcm	mA	$V_{f\,(min)}$	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	500	27,9	1580	14,0	113
xm000	les19 ●	Ta25 °C		vita media · average life			70000 h	L80 B10	



n55 soffitto kk01 120-240V 50-60Hz AiR IP20 df pr UK CA CE

Via.552.0350	argento hacca	cristallo · crystal	2700K les19 ●	n55 0,5
Via.552.0351	nero55	cristallo · crystal	2700K les19 ●	n55 0,5

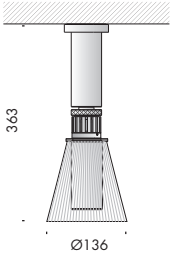
Ra	R9	ies tm-30		sdcm	mA	$V_{f\,(min)}$	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	500	27,9	1580	14,0	113
xm000	les19 ●	Ta25 °C		vita media · average life			70000 h	L80 B10	



n55 soffitto dc01 120-240V 50-60Hz Ai IP20 df pr UK CA CE

Via.552.0352	argento hacca	sabbiato · sanded	2700K	les19	n55	0,8
Via.552.0353	nero55	sabbiato · sanded	2700K	les19	n55	0,8

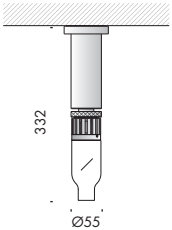
Ra	R9	ies tm-30		sdcm	mA	$V_{f\,(min)}$	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	500	27,9	1580	14,0	113
xm000	les19	Ta25 °C		vita media · average life			70000 h	L80	B10



n55 soffitto dc04 120-240V 50-60Hz Ai IP20 df pr UK CA CE

Via.552.0354	argento hacca	trasparente, rigato, sabbiato transparent, striped, sanded	2700K	les19	n55	1,0
Via.552.0355	nero55	trasparente, rigato, sabbiato transparent, striped, sanded	2700K	les19	n55	1,0

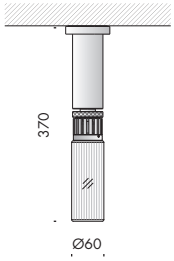
Ra	R9	ies tm-30		sdcm	mA	$V_{f\,(min)}$	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	500	27,9	1580	14,0	113
xm000	les19	Ta25 °C		vita media · average life			70000 h	L80	B10



n55 soffitto kk01 120-240V 50-60Hz Ai IP20 df pr UK CA CE

Via.552.0356	argento hacca	cristallo · crystal	2700K	les19	n55	0,5
Via.552.0357	nero55	cristallo · crystal	2700K	les19	n55	0,5

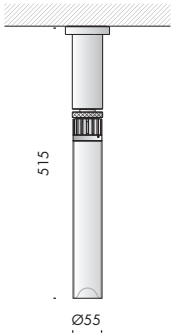
Ra	R9	ies tm-30		sdcm	mA	$V_{f\,(min)}$	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	500	27,9	1580	14,0	113
xm000	les19	Ta25 °C		vita media · average life			70000 h	L80	B10



n55 soffitto ajp01 120-240V 50-60Hz Ai IP20 df pr UK CA CE

Via.552.0324	argento hacca	trasparente, rigato transparent, striped	2700K	les19	n55	0,6
Via.552.0325	nero55	trasparente, rigato transparent, striped	2700K	les19	n55	0,6

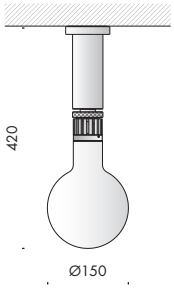
Ra	R9	ies tm-30		sdcm	mA	$V_{f\,(min)}$	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	500	27,9	1580	14,0	113
xm000	les19	Ta25 °C		vita media · average life			70000 h	L80	B10



n55 soffitto dc02 120-240V 50-60Hz Ai IP20 df pr UK CA CE

Via.552.0328	argento hacca	sabbiato · sanded	2700K	les19	n55	0,7
Via.552.0329	nero55	sabbiato · sanded	2700K	les19	n55	0,7

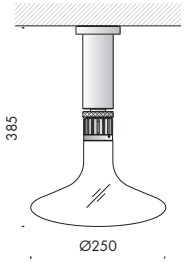
Ra	R9	ies tm-30		sdcm	mA	$V_{f\,(min)}$	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	500	27,9	1580	14,0	113
xm000	les19	Ta25 °C		vita media · average life			70000 h	L80	B10



n55 soffitto mn01 120-240V 50-60Hz Ai IP20 df pr UK CA CE

Via.552.0332	argento hacca	sabbiato · sanded	2700K	les19	n55	0,7
Via.552.0333	nero55	sabbiato · sanded	2700K	les19	n55	0,7

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

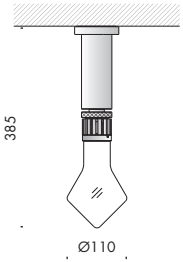


n55 soffitto pz01 **120-240V 50-60Hz** Ai IP20 df pr UK CA CE

Via.552.0336 argento hacca trasparente · transparent 2700K les19 ● n55 0,8

Via.552.0337 nero55 trasparente · transparent 2700K les19 ● n55 0,8

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

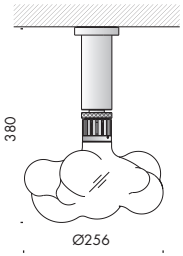


n55 soffitto pz03 **120-240V 50-60Hz** Ai IP20 df pr UK CA CE

Via.552.0340 argento hacca trasparente · transparent 2700K les19 ● n55 0,6

Via.552.0341 nero55 trasparente · transparent 2700K les19 ● n55 0,6

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



n55 soffitto wm01 **120-240V 50-60Hz** Ai IP20 df pr UK CA CE

Via.552.0344 argento hacca trasparente · transparent 2700K les19 ● n55 1,0

Via.552.0345 nero55 trasparente · transparent 2700K les19 ● n55 1,0

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

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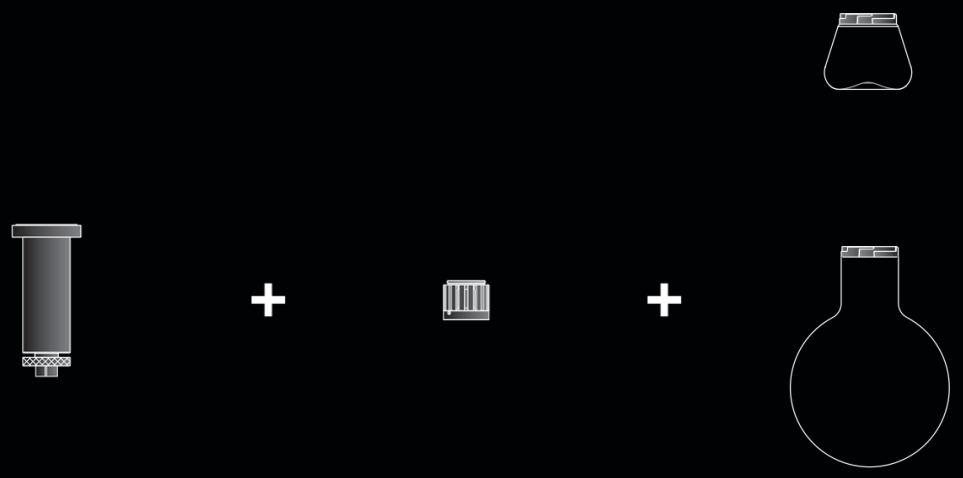


diffusore classico
classic diffuser

diffusore decorativo
decorative diffuser

diffusore tecnico
technical diffuser

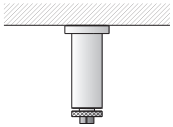
1. scegli l'interfaccia
choose the interface

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

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

n55 soffitto

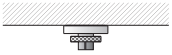
n55 soffitto a.i.
interfaccia
alimentatore integrato
integrated power supply



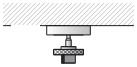
n55 soffitto a.r.
interfaccia
alimentatore incassato
recessed power supply

n55 soffitto orientabile a.r.
interfaccia
alimentatore incassato
recessed power supply

n55 soffitto a.r.
interfaccia
alimentatore remoto
remote power supply



n55 soffitto orientabile a.r.
interfaccia
alimentatore remoto
remote power supply



n55 soffitto scomparsa totale a.r.
interfaccia
alimentatore remoto con rosone scomparsa totale
remote power supply with fully concealed rose

propulsore dinamico n55

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

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

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

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

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

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

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

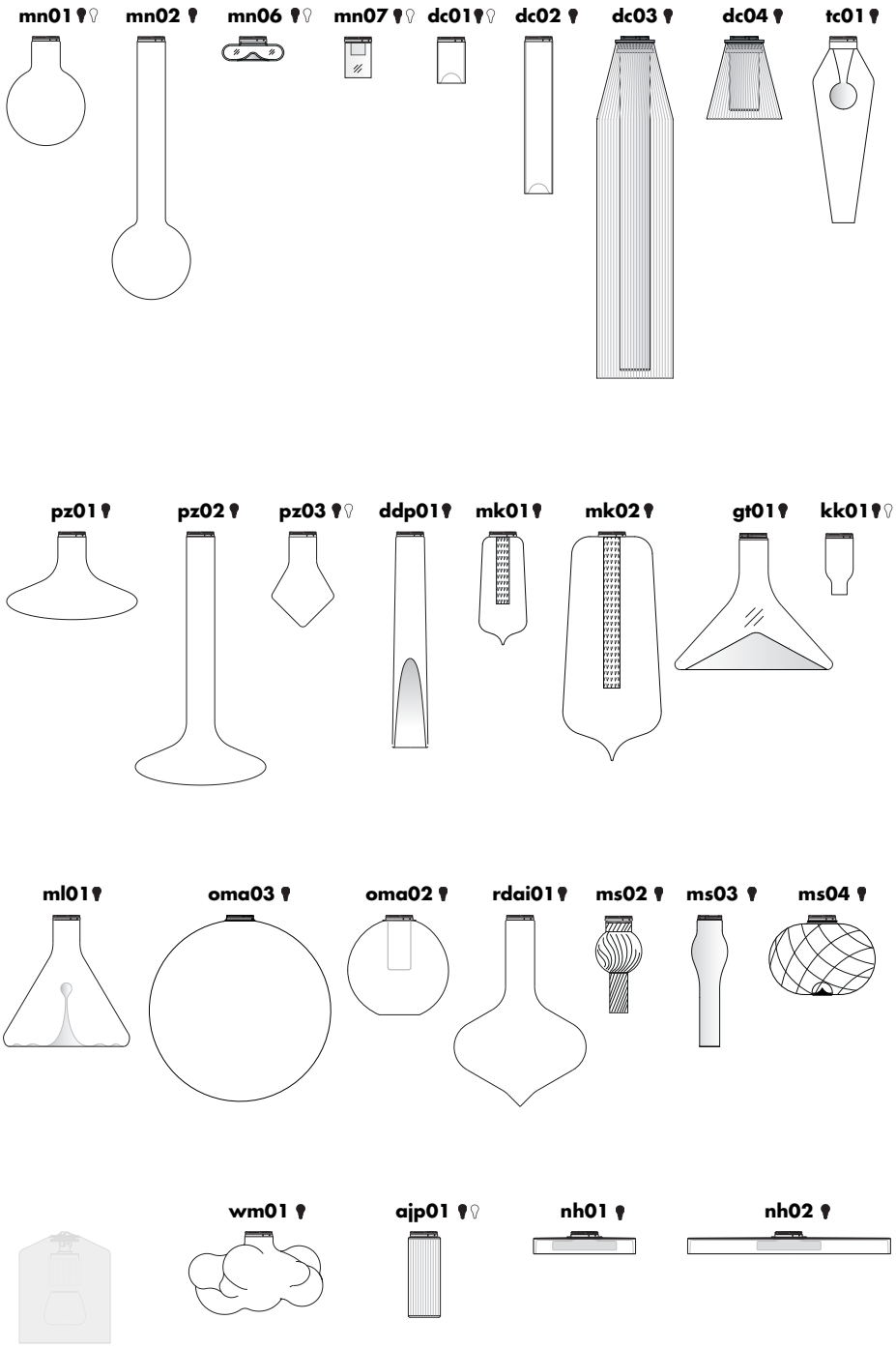
82/1050
les19
1050mA
3000lm
30,5W
98 lm/W

diffusore classico
classic diffuser

hm01

hm02

diffusore decorativo
decorative diffuser



diffusore tecnico
technical diffuser

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

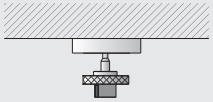
	spot82x35	spot82x79
les19	31° 42°	23° 37° 46°
les9	13° 19° 23° 35°	

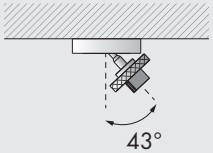
	spot100
les19	16° 25° 40° 54°
les9	10° 22°

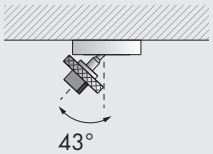
	lensoptica amP150
les19	22° 51°
les9	13°

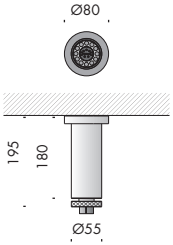
	lensoptica amP180
les19	15° 41° 53° 20°x55°
les9	10°

Vb6.580.17/18/19
gradi di rotazione
rotation degrees

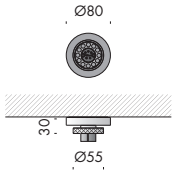




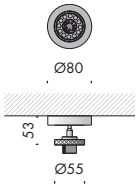




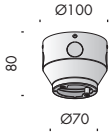
n55 soffitto interfaccia a.i.	**110-240V 50-60Hz**	**IP20**		
Vb3.580.01	argento hacca	350÷ 1050mA	n55	0,3
Vb3.580.02	nero55	350÷ 1050mA	n55	0,3
Vb3.580.03	my bianco	350÷ 1050mA	n55	0,3



n55 soffitto interfaccia a.r.	**IP20**		
Vb3.580.09	argento hacca	n55	0,4
Vb3.580.10	nero55	n55	0,4
Vb3.580.11	my bianco	n55	0,4



n55 soffitto interfaccia orientabile a.r.	**IP20**		
Vb6.580.17	argento hacca	n55	0,4
Vb6.580.18	nero55	n55	0,4
Vb6.580.19	my bianco	n55	0,4



accessori. accessories.		
Vb9.580.70	cassaforma laterizio per alimentatore brick housing for power supply	0,2

2° GROW
1° SHARE
1° LEARN
Experience
Room

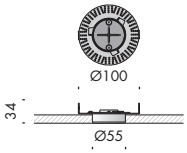
n55 soffitto interfaccia scomparsa totale a.r. fisso IP20

Vb3.580.05	argento hacca	n55	0,2
Vb3.580.06	nero55	n55	0,2
Vb3.580.07	my bianco	n55	0,2

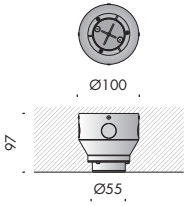
n55 soffitto interfaccia scomparsa totale a.r. orientabile IP20

	argento hacca	n55	0,2
	nero55	n55	0,2
	my bianco	n55	0,2

rosoni di alimentazione. ceiling roses.



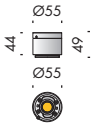
Vb9.580.73	cassaforma cartongesso scomparsa totale plasterboard housing total recessed	0,2



Vb9.580.74	cassaforma laterizio scomparsa totale brick housing total recessed	0,2

accessori scomparsa totale. fully concealed accessories.

Vb9.580.83	tappo di chiusura · end cap	argento hacca	0,1
Vb9.580.84	tappo di chiusura · end cap	nero55	0,1
Vb9.580.85	tappo di chiusura · end cap	my bianco	0,1



propulsore dinamico n55 55/350			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		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 55/500 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		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				
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

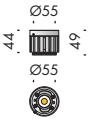
Ra	R9	ies tm-30		sdcm	mA	$V_{f\ (min)}$	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	500	27,9	1580	14,0	113
xm000	les19	Ta25 °C	vita media · average life				70000 h	L80	B10

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 65/500e 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

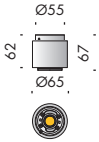
Ra	R9	ies tm-30		sdcm	mA	$V_{f\,(min)}$	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	500	27,1	800	13,6	59
xe000	les9 ●	Ta25 °C		vita media · average life			70000 h	L80 B10	

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 65/700 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

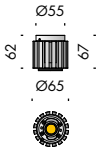
Ra	R9	ies tm-30		sdcm	mA	$V_{f\,(min)}$	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	500	27,9	1580	14,0	113
xm000	les19 ●	Ta25 °C	vita media · average life				70000 h	L80	B10

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 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

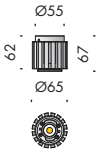
Ra	R9	ies tm-30		sdcm	mA	$V_{f\ (min)}$	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	700	28,4	2140	19,9	108
xm000	les19	Ta25 °C		vita media · average life			70000 h	L80	B10

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		sdcm	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		sdcm	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

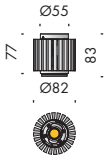
Ra	R9	ies tm-30		sdcm	mA	$V_{f\ (min)}$	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	700	27,9	1110	19,5	57
xe000	les9 ●	Ta25 °C		vita media · average life			70000 h	L80	B10

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

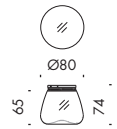
Ra	R9	ies tm-30		sdcm	mA	$V_{f\ (min)}$	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	1050	29,0	3000	30,5	98
xm000	les19	Ta25 °C		vita media · average life			70000 h	L80 B10	

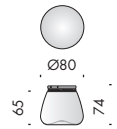
Vb9.580.58.30	argento hacca	3000K	les19	n55	0,5
Vb9.580.59.30	nero55	3000K	les19	n55	0,5
Vb9.580.60.30	my bianco	3000K	les19	n55	0,5

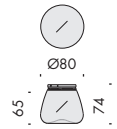
Ra	R9	ies tm-30		sdcm	mA	$V_{f\ (min)}$	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	1050	29,0	3000	30,5	98
xm001	les19	Ta25 °C		vita media · average life			70000 h	L80 B10	

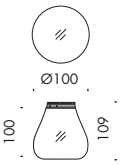
Vb9.580.58.30v	argento hacca	3000VbK	les19	n55	0,5
Vb9.580.59.30v	nero55	3000VbK	les19	n55	0,5
Vb9.580.60.30v	my bianco	3000VbK	les19	n55	0,5

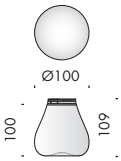
Ra	R9	ies tm-30		sdcm	mA	$V_{f\ (min)}$	lm	W	lm/W
98	98	Rf 93	Rg 106	step 1	1050	29,0	3000	30,5	98
xm007	les19	Ta25 °C		vita media · average life			70000 h	L80 B10	

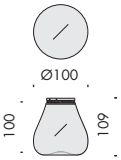






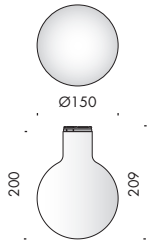




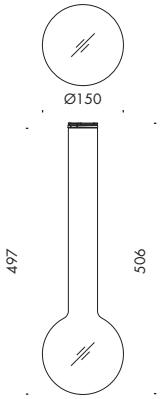


marionanni			
Vb9.580.01.t	hm01 trasparente · transparent	n55	0,05
Vb9.580.01.s	hm01 sabbiata · sanded	n55	0,05
Vb9.580.01.b	hm01 bianco latte · milk white	n55	0,05
Vb9.580.02.t	hm02 trasparente · transparent	n55	0,1
Vb9.580.02.s	hm02 sabbiata · sanded	n55	0,1
Vb9.580.02.b	hm02 bianco latte · milk white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

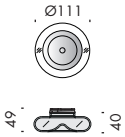
marionanni			
Vb9.580.03.s	mn01 sabbiato · sanded	n55	0,3



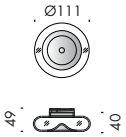
Vb9.580.04.t	mn02 trasparente · transparent	n55	0,5



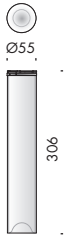
Vb9.580.173.b	mn06 tabacchiera bianco satinato · white frosted	n55	0,1

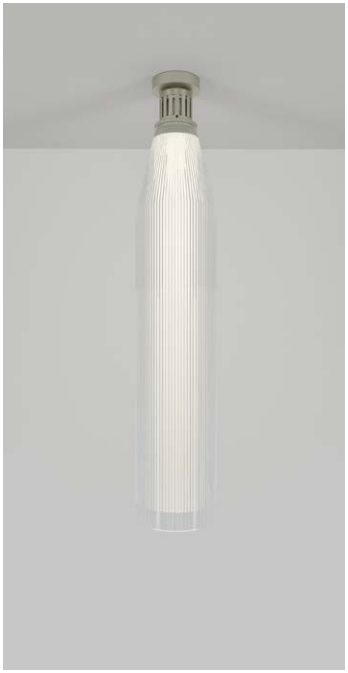


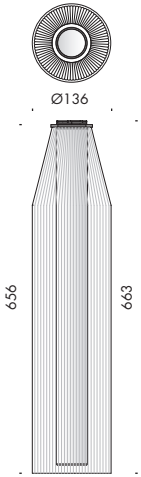
Vb9.580.173.cr	mn06 tabacchiera trasparente cromata · transparent chromed	n55	0,1

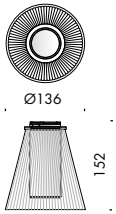


Vb9.580.178	mn07 trasparente sabbiato · transparent sanded	n55	0,1





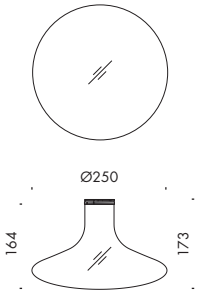




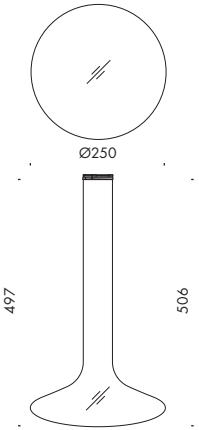
david chipperfield

Vb9.580.05.s	dc01 sabbiato · sanded	n55	0,1
Vb9.580.06.s	dc02 sabbiato · sanded	n55	0,3
Vb9.580.19.tr	dc03 trasparente, rigato transparent, striped	n55	0,7
Vb9.580.20.tr	dc04 trasparente, rigato transparent, striped	n55	0,3

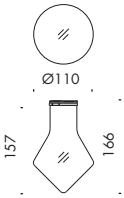
peter zumthor



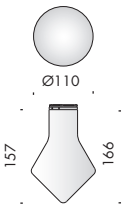
Vb9.580.08.t	pz01 trasparente · transparent	n55	0,3



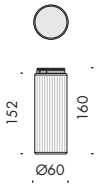
Vb9.580.10.t	pz02 trasparente · transparent	n55	0,6



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

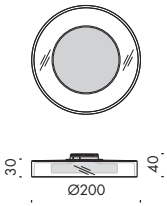


Vb9.580.11.s	pz03 sabbiato · sanded	n55	0,2



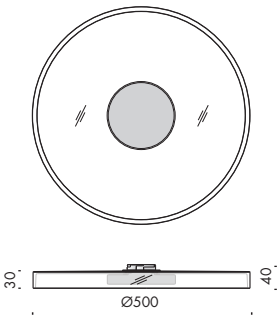
al-jawad pike

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



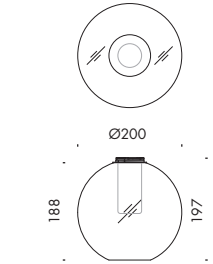
neri&hu

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

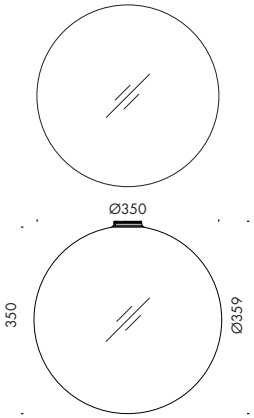


Vb9.580.117.ts	nh02 trasparente, sabbiato · transparent, sanded	2,9

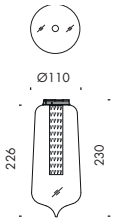
oma



Vb9.580.14.t oma02 trasparente · transparent n55 0,4

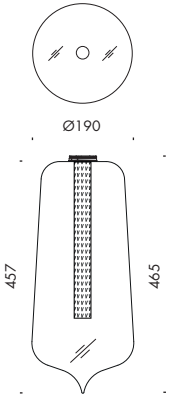


Vb9.580.15.t oma03 trasparente · transparent n55 1,4

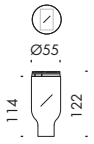


marcio kogan

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

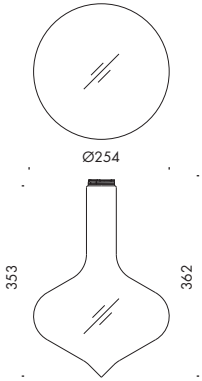


Vb9.580.112.t	mk02 trasparente · transparent	n55	1,8



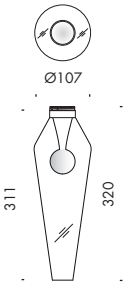
kengo kuma

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



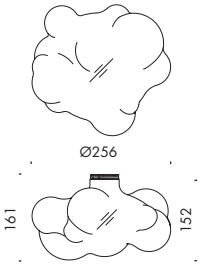
rdai

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



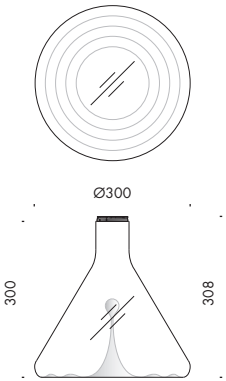
tzach cohen

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



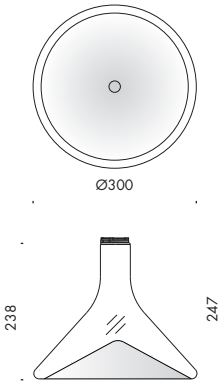
winy maas

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



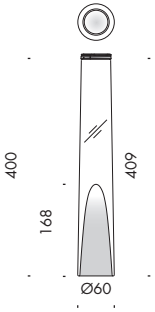
max lam

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



gio tirotto

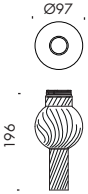
Vb9.580.17.t	gt01 trasparente, sabbiato · transparent, sanded	n55	1



domenico de palo

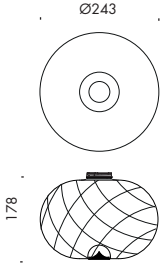
Vb9.580.114.t	ddp01 trasparente,sabbiato · transparent, sanded	n55	0,5

mirko spaccapanico



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

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

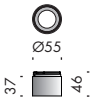


Vb9.580.177.t	ms04	trasparente · transparent	n55	0,5

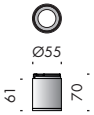
accessori per diffusore trasparente. transparent diffuser accessories.

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

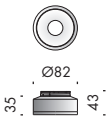


spot55x37					
Vb9.580.121	argento hacca	18° les9		n55	0,1
Vb9.580.122	nero55	18° les9		n55	0,1
Vb9.580.122.b	my bianco	18° les9		n55	0,1
Vb9.580.123	argento hacca	23° les9	30° les19	n55	0,1
Vb9.580.124	nero55	23° les9	30° les19	n55	0,1
Vb9.580.124.b	my bianco	23° les9	30° les19	n55	0,1
Vb9.580.125	argento 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

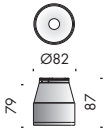


spot55x61				
Vb9.580.25	argento hacca	36° les19	n55	0,2
Vb9.580.26	nero55	36° les19	n55	0,2
Vb9.580.26.b	my bianco	36° les19	n55	0,2
Vb9.580.27	argento hacca	47° les19	n55	0,2
Vb9.580.28	nero55	47° les19	n55	0,2
Vb9.580.28.b	my bianco	47° les19	n55	0,2

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

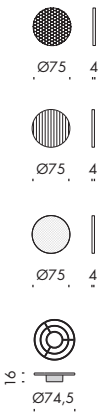


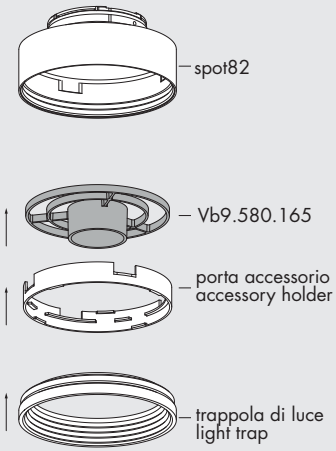
spot82x35					
Vb9.580.131	argento hacca	13° les9		n55	0,1
Vb9.580.132	nero55	13° les9		n55	0,1
Vb9.580.137	my bianco	13° les9		n55	0,1
Vb9.580.133	argento hacca	19° les9		n55	0,1
Vb9.580.134	nero55	19° les9		n55	0,1
Vb9.580.138	my bianco	19° les9		n55	0,1
Vb9.580.135	argento hacca	23° les9	31° les19	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

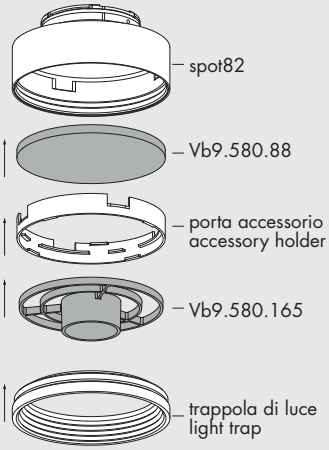


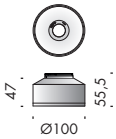
spot82x79				
Vb9.580.31	argento hacca	23° les19	n55	0,2
Vb9.580.32	nero55	23° les19	n55	0,2
Vb9.580.32.b	my bianco	23° les19	n55	0,2
Vb9.580.33	argento hacca	37° les19	n55	0,2
Vb9.580.34	nero55	37° les19	n55	0,2
Vb9.580.34.b	my bianco	37° les19	n55	0,2
Vb9.580.35	argento hacca	46° les19	n55	0,2
Vb9.580.36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



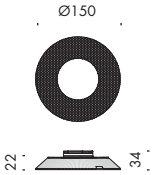




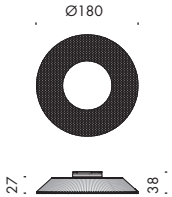


spot100					
Vb9.580.37	argento hacca	10° les9	16° les19	n55	0,1
Vb9.580.38	nero55	10° les9	16° les19	n55	0,1
Vb9.580.38.b	my bianco	10° les9	16° les19	n55	0,1
Vb9.580.39	argento hacca	22° les9	25° les19	n55	0,1
Vb9.580.40	nero55	22° les9	25° les19	n55	0,1
Vb9.580.40.b	my bianco	22° les9	25° les19	n55	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

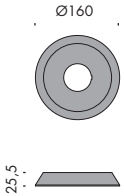
accessori spot100. accessories.		
Vb9.580.93	frangiluce nido d'ape · honeycomb louvre	0,01
Vb9.580.94	lente ellittica · elliptical lens	0,05



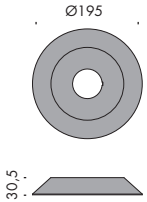
lensoptica amP150					
Vb9.518.91	fascio stretto narrow beam	13° 22°	les9 les19	n55	0,3
Vb9.518.92	fascio largo wide beam	51°	les19	n55	0,3



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

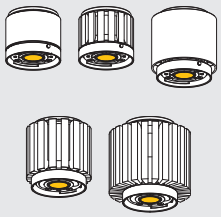


riflettore in metallo 150		
Vb9.518.95.n	nero55	0,1
Vb9.518.95.mb	my bianco	0,1
Vb9.518.95.h	argento hacca	0,1



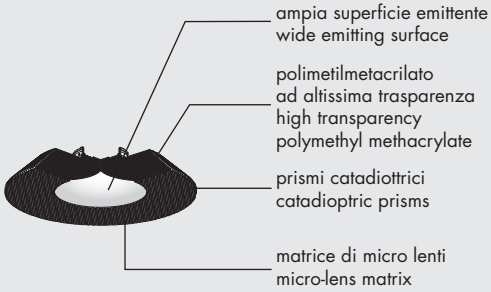
riflettore in metallo 180		
Vb9.518.96.n	nero55	0,1
Vb9.518.96.mb	my bianco	0,1
Vb9.518.96.h	argento hacca	0,1

propulsore dinamico n55



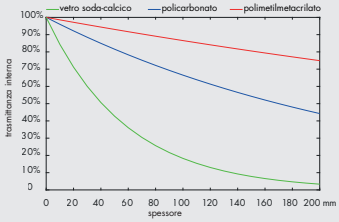
riflettore in metallo · metal reflector

lensoptica amP

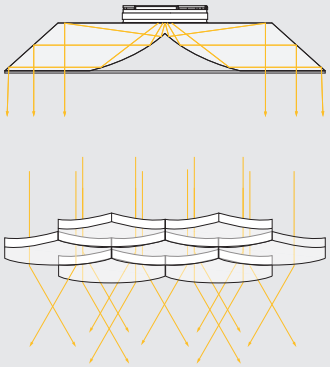


materiale	coefficiente d'assorbimento α
vetro soda calcico	0,017 mm^{-1}
policarbonato	0,004 mm^{-1}
polimetilmetacrilato	0,0014 mm^{-1}

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



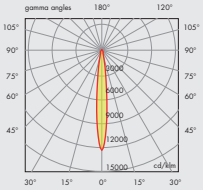
lensoptica amP è allo stesso tempo una lente e un riflettore, perché i raggi di luce subiscono rifrazione e riflessione totale interna. per questa caratteristica tecnica riesce a coniugare alta efficienza e accurato controllo direzionale della luce.
lensoptica amP is both a lens and a reflector at the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



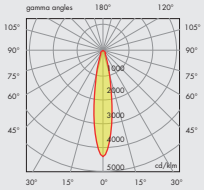
la superficie emittente di **lensoptica amP** è dotata di una matrice di microlenti.
ogni microlente riceve un fascio collimato e in funzione della curvatura ne allarga l'apertura angolare in modo controllato.
la sovrapposizione dei contributi delle singole microlenti produce una distribuzione d'illuminamento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

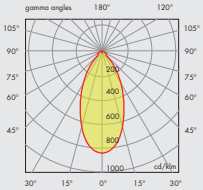
lensoptica amP150
13° les9
fascio stretto · narrow beam



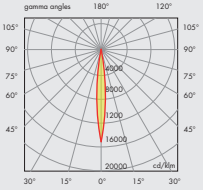
lensoptica amP150 22°
les19
fascio stretto · narrow beam



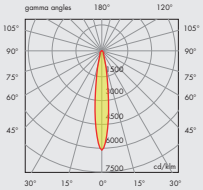
lensoptica amP150 51°
les19
fascio largo · wide beam



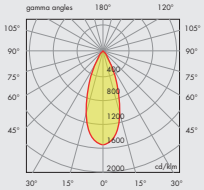
lensoptica amP180 10°
les9
fascio stretto · narrow beam



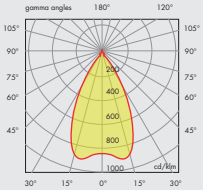
lensoptica amP180 15°
les19
fascio stretto · narrow beam



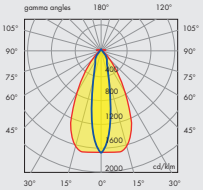
lensoptica amP180 41°
les19
fascio medio · medium beam



lensoptica amP180 53°
les19
fascio largo · wide beam



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

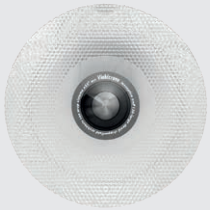


lensoptica amP150
fascio stretto · narrow beam

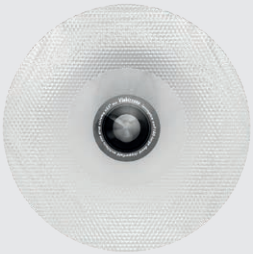
lensoptica amP180
fascio stretto · narrow beam

lensoptica amP180
fascio medio · medium beam

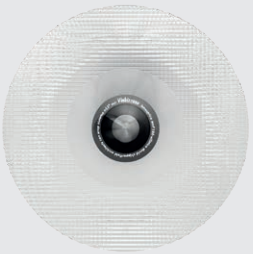
lensoptica amP150
fascio largo · wide beam



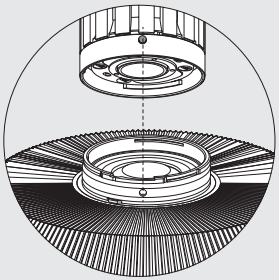
lensoptica amP180
fascio largo · wide beam

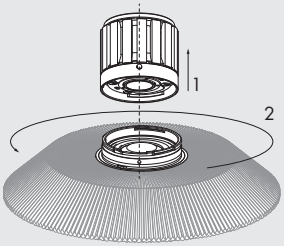


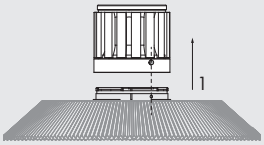
lensoptica amP180
fascio ellittico · elliptical beam

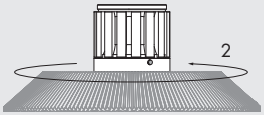


lensoptica amP
installazione · mounting

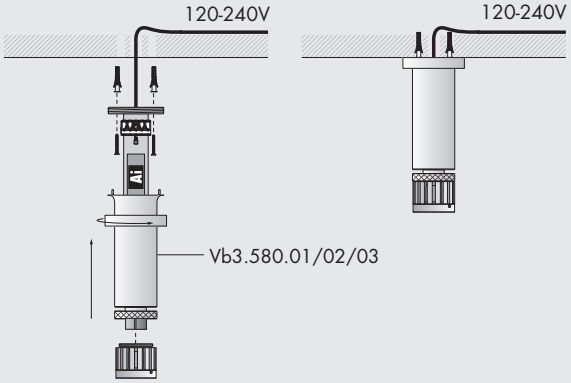




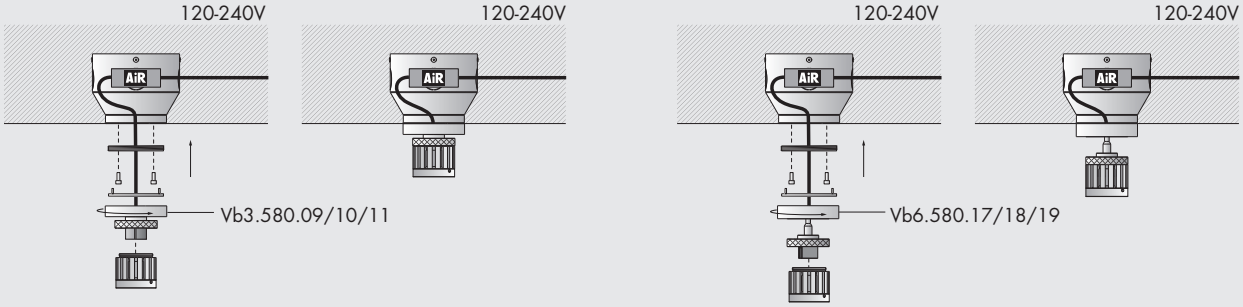




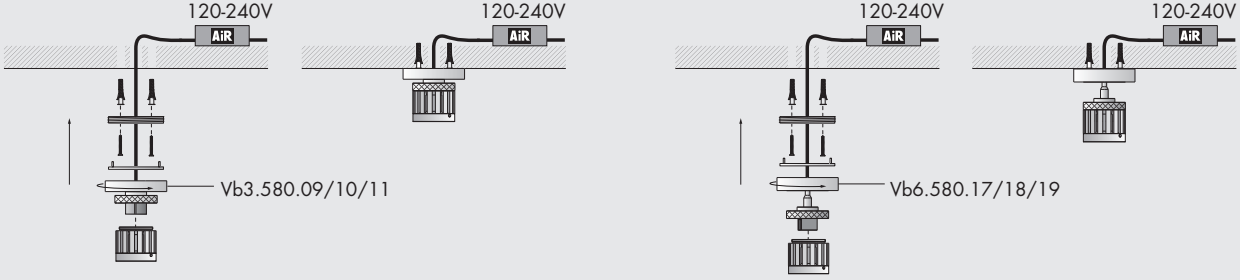
montaggio rosone con alimentatore integrato · ceiling rose mounting with integrated power supply



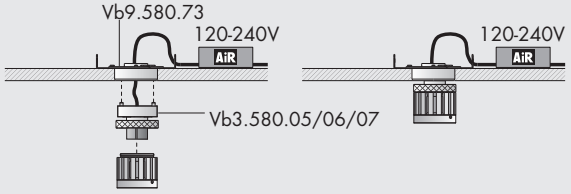
montaggio rosone con cassaforma laterizio per alimentatore · ceiling rose mounting with brick housing for power supply



montaggio rosone con alimentatore remoto · ceiling rose mounting with remote power supply



montaggio cassaforma scomparsa totale per cartongesso con alimentatore remoto · fully concealed housing mounting for plasterboard with remote power supply



Ai alimentatore elettronico con controllo intelligente
AiR electonic power supply with smart control