

**Viabizzuno** progettiamo la luce

*Viabizzuno strada principale della frazione di bizzuno in provincia di ravenna dove tra la casa del popolo e la parrocchia, al n°17, sono nato il ventuno luglio millenovecentocinquantacinque. da qui nasce il nome della fabbrica di produzione fondata nel millenovecentonovantaquattro rappresentata da uno spazio bianco attraversato da due linee. una verticale, rigorosa, essenziale, equilibrata: la luce per la luce; ed una inclinata, irriverente nello spazio, ironica, fuori dagli schemi: la luce per la forma. distinte ma complementari si fondono in un unico nome: Viabizzuno.*

Viabizzuno is the name of the main road of the small village bizzuno located in the province of ravenna, where I was born on the 21 07 1955 at n°17, between the 'casa del popolo' and the local parish church. from here the name of the factory founded in nineteen ninety-four represented by a white space intersected by two lines. one vertical, well balanced, logical, essential: the light for the light. the other one dynamic, irreverent, ironic: the light for the form. separate and yet complementary they cast in the same name: Viabizzuno. mario nanni

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

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

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

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

*Viabizzuno si riserva il diritto di apportare ai propri modelli, senza nessun preavviso, qualsiasi modifica ritenesse opportuna. per dimensioni e codici fanno fede i nostri strumenti di lavoro [www.Viabizzuno.com](http://www.Viabizzuno.com), [Viacommerce@](mailto:Viacommerce@Viabizzuno.com), [Viabizzunoapplight](http://Viabizzunoapplight.com) e [Viabizzunoonline](http://Viabizzunoonline.com).*

*la progettazione degli apparecchi di illuminazione e dei relativi componenti è eseguita utilizzando i millimetri come unità di misura. le dimensioni espresse in pollici sono indicative e frutto di conversioni soggette a tolleranze.*

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

*Viabizzuno reserves the right to make any modification, considered worthwhile, to its own models, without any notification. for valid dimensions and codes please consult our working tools [www.Viabizzuno.com](http://www.Viabizzuno.com), [Viacommerce@](mailto:Viacommerce@Viabizzuno.com), [Viabizzunoapplight](http://Viabizzunoapplight.com) and [Viabizzunoonline](http://Viabizzunoonline.com).*

*when designing lighting fixtures and related components, the unit of measure used is the millimetre. dimensions expressed in inches are indicative and are the result of conversions subject to tolerances.*

# lettura delle tabelle tecniche how to read technical tables

xxxxxxxxxxxxxxxx				120V 50-60Hz		A	wet	UL	UL US	i
a	b	c	d	e	f	f	g			

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

## componenti. components.

## accessori. accessories.

1	2	3	4	5	6	7	8	9	
Ra	R9	ies tm-30		sdcM	mA	V <sub>f (min)</sub>	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	350	27,6	1240	9,7	128
xm000	les19	Ta25 °C			500	27,9	1580	14,0	113
10	11	vita media · average life				70000 h	L80 B10		
							12	13	

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

a	nome apparecchio di illuminazione · light fitting name
b	tensione di alimentazione · supply rating (Volt)
c	frequenza di alimentazione · supply frequency (Hertz)
d	alimentatore incluso o escluso · power supply included or not included
e	classificazione ambiente di installazione · installation location rating
f	marchio di certificazione · safety and quality standards certification
g	peso netto · net weight (kg/lb)
h	codice · code
i	finiture · colours and finishes
l	temperatura colore sorgente elettronica colour temperature led source (Kelvin)
m	potenza della sorgente · source power (Watt)
n	gradi fascio luminoso · light beam degrees

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

accessori. si riferisce alle ulteriori parti installabili sull'apparecchio.  
accessories. refers to items that can be added to the light fitting.

1	indice di resa cromatica · colour rendering index
2	indice di resa del rosso · red colour rendering index
3	Rf indice di fedeltà colore · colour fidelity index Rg indice di saturazione colore · color gamut index
4	step di macadam · macadam step
5	corrente di alimentazione · power supply current
6	tensione di alimentazione · power supply voltage
7	flusso luminoso · light flux
8	potenza della sorgente · source power
9	efficienza della sorgente · source efficiency
10	codice sorgente elettronica Viabizzuno · Viabizzuno led source code
11	superficie emittente · light emitting surface (mm)
12	% flusso residuo a fine vita · end life % flux
13	% consentita sotto limite · allowed % under limit

## legenda simboli symbols legenda



prodotto in conformità con le direttive nord americane sui soffioni doccia · produced in compliance with showerheads northamerican directives



componente certificato per il mercato nord americano idoneo ad essere utilizzato e valutato come parte di un sistema più complesso  
component approved for north american market and suitable to be used and approved as part of a more complex system



prodotto finito idoneo per essere commercializzato nel mercato nord americano · listed product suitable for the north american market



prodotto finito idoneo per essere commercializzato nel mercato nord americano · listed product suitable for the north american market



pending

apparecchio di illuminazione in corso di certificazione per essere commercializzato nel mercato nord americano  
light fitting undergoing certification to be marketed in the north american market

**wet**

prodotto classificato per uso esterno · product classified for outdoor use

**damp**

prodotto classificato per uso interno in ambienti umidi (bagno, sauna, ecc..) · product classified for indoor use in damp environments (bathrooms, saunas, etc.)

**dry**

prodotto classificato per uso interno in ambienti asciutti · product classified for indoor use in dry environments

**type ic**

apparecchio di illuminazione ad incasso progettato per funzionare a contatto con materiale isolante.  
recessed luminaire designed to work in contact with thermal insulation.

**type non-ic**

apparecchio di illuminazione ad incasso progettato per funzionare in intercapedini che abbiano una certa distanza da materiali isolanti.  
recessed luminaire designed to work in cavities that have a minimum dimensions and spacings to thermal insulation.

**title24**

prodotto conforme allo standard title24 · product compliant with title24 standard



vetro opalino · opal glass



vetro sabbiato · sanded glass



vetro nero fumè · black smoke glass



vetro trasparente · transparent glass



vetro bianco latte · white milk glass



crystallo · crystal



policarbonato opalino · opal polycarbonate diffuser



carrabile · drive over

a

fascio asimmetrico · asymeric beam

e

fascio ellittico · elliptical beam

w

wallwasher

- 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 · electronic power supply with smart control included, to be installed remotely
- AS** alimentatore a spina incluso · plug power supply included
- T** trasformatore incluso · transformer included
- K** kit di cablaggio incluso · wiring kit not included
- 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
-  attenzione: sorgente luminosa led. non guardare mai direttamente a occhio nudo · attention: led light source. never look straight without eye protection
- i** peso netto · net weight (kg)
-  possibilità di combinazione tra interfaccia n55, propulsore dinamico n55 e lampadina n55 · possible combination between n55 interface, propulsore dinamico n55 and n55 bulb
- l.d.** luce diretta · direct light
- l.i.** luce indiretta · indirect light
- V** disponibile su · available on *Viabizzuno applight* [www.Viabizzuno.com](http://www.Viabizzuno.com) *Viabizzuno online*



**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 dc02,**

**n55 soffitto con diffusore decorativo mn01,**

**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 lampadina: classica, decorativa e tecnica. 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.**

**accessori: cassaforma scomparsa totale per cartongesso e laterizio, tappi di chiusura, guarnizione con trappola di luce per vetri trasparenti; frangiluce a nido d'ape, lente ellittica, antiabbagliamento per lampadine tecniche. lampadine classiche e decorative con vetro trasparente, sabbiato e bianco latte.**

**finiture: argento hacca, nero55.**

**personalizza la tua luce vai su [www.Viabizzuno.com](http://www.Viabizzuno.com)**

**damp location rated ceiling mounted light fitting for indoor use made of oxidised extruded aluminium.**

**versions with power supply included, to be installed remotely or with integrated power supply:**

**n55 soffitto with ajp01 decorative diffuser,**

**n55 soffitto with dc02 decorative diffuser,**

**n55 soffitto with mn01 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 bulbs: classic, decorative and technical. any irregularities in the glass are a guarantee of an unique product, blown and entirely hand crafted by master glassmakers.**

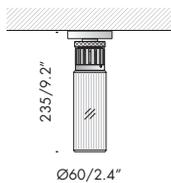
**the integrated 120V 50-60Hz power supply version has a smart control which automatically provides the suitable current according to the type of propeller. the same power supply can also be ordered separately for the other versions.**

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

**finishes: argento hacca, nero55.**

**customize your light visit [www.Viabizzuno.com](http://www.Viabizzuno.com)**



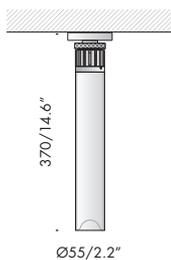


**n55 soffitto ajp01** 120V 50-60Hz **AiR** **title24** **damp** **df** **pf** **triangle** **circle** **i**

**Via.552.0300.u** argento hacca trasparente, rigato 2700K les19 ● n55 0,5kg  
transparent, striped 1.1lb

**Via.552.0301.u** nero55 trasparente, rigato 2700K les19 ● n55 0,5kg  
transparent, striped 1.1lb

Ra	R9	ies tm-30		sdc	mA	V <sub>f</sub> (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** 120V 50-60Hz **AiR** **title24** **damp** **df** **pf** **triangle** **circle** **i**

**Via.552.0304.u** argento hacca sabbiato 2700K les19 ● n55 0,6kg  
sanded 1.3lb

**Via.552.0305.u** nero55 sabbiato 2700K les19 ● n55 0,6kg  
sanded 1.3lb

Ra	R9	ies tm-30		sdc	mA	V <sub>f</sub> (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	



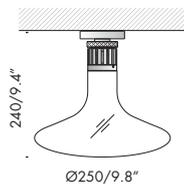
**n55 soffitto mn01** 120V 50-60Hz **AiR** **title24** **damp** **df** **pf** **triangle** **circle** **i**

**Via.552.0308.u** argento hacca sabbiato 2700K les19 ● n55 0,8kg  
sanded 1.8lb

**Via.552.0309.u** nero55 sabbiato 2700K les19 ● n55 0,8kg  
sanded 1.8lb

Ra	R9	ies tm-30		sdc	mA	V <sub>f</sub> (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	



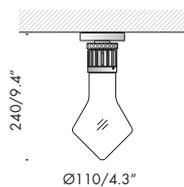


**n55 soffitto pz01** 120V 50-60Hz

**Via.552.0312.u** argento hacca trasparente trasparente 2700K les19 ● n55 0,8kg 1.8lb

**Via.552.0313.u** nero55 trasparente trasparente 2700K les19 ● n55 0,8kg 1.8lb

Ra	R9	ies tm-30		sdc	mA	V <sub>f(min)</sub>	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	

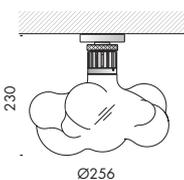


**n55 soffitto pz03** 120V 50-60Hz

**Via.552.0316.u** argento hacca trasparente trasparente 2700K les19 ● n55 0,5kg 1.1lb

**Via.552.0317.u** nero55 trasparente trasparente 2700K les19 ● n55 0,5kg 1.1lb

Ra	R9	ies tm-30		sdc	mA	V <sub>f(min)</sub>	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	



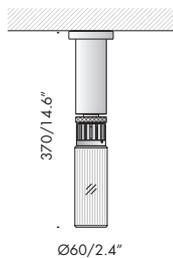
**n55 soffitto wm01** 120V 50-60Hz

**Via.552.0320.u** argento hacca trasparente trasparente 2700K les19 ● n55 1,0kg 2.2lb

**Via.552.0321.u** nero55 trasparente trasparente 2700K les19 ● n55 1,0kg 2.2lb

Ra	R9	ies tm-30		sdc	mA	V <sub>f(min)</sub>	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	



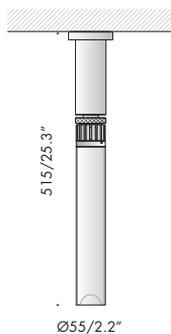


**n55 soffitto aip01** 120V 50-60Hz **A I** title24 damp df pf

**Via.552.0324** argento hacca trasparente, rigato 2700K les19 ● n55 0,5kg  
transparent, striped 1.1lb

**Via.552.0325** nero55 trasparente, rigato 2700K les19 ● n55 0,5kg  
transparent, striped 1.1lb

Ra	R9	ies tm-30		sdcM	mA	V <sub>f (min)</sub>	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	

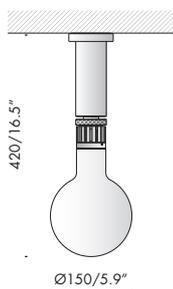


**n55 soffitto dc02** 120V 50-60Hz **A I** title24 damp df pf

**Via.552.0328** argento hacca sabbiato 2700K les19 ● n55 0,7kg  
sanded 1.5lb

**Via.552.0329** nero55 sabbiato 2700K les19 ● n55 0,7kg  
sanded 1.5lb

Ra	R9	ies tm-30		sdcM	mA	V <sub>f (min)</sub>	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	



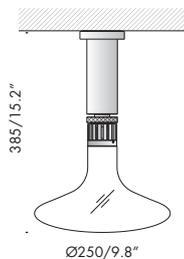
**n55 soffitto mn01** 120V 50-60Hz **A I** title24 damp df pf

**Via.552.0332** argento hacca sabbiato 2700K les19 ● n55 0,7kg  
sanded 1.5lb

**Via.552.0333** nero55 sabbiato 2700K les19 ● n55 0,7kg  
sanded 1.5lb

Ra	R9	ies tm-30		sdcM	mA	V <sub>f (min)</sub>	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	



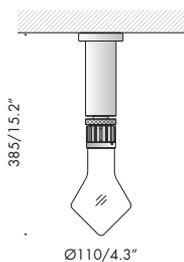


**n55 soffitto pz01** 120V 50-60Hz **A I** **title24** **damp** **df** **pf**

**Via.552.0336** argento hacca trasparente trasparente 2700K les19 ● n55 0,8kg 1.8lb

**Via.552.0337** nero55 trasparente trasparente 2700K les19 ● n55 0,8kg 1.8lb

Ra	R9	ies tm-30		sdc	mA	V <sub>f (min)</sub>	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	

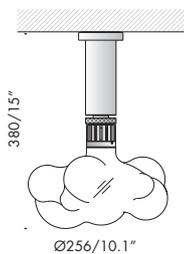


**n55 soffitto pz03** 120V 50-60Hz **A I** **title24** **damp** **df** **pf**

**Via.552.0340** argento hacca trasparente trasparente 2700K les19 ● n55 0,6kg 1.3lb

**Via.552.0341** nero55 trasparente trasparente 2700K les19 ● n55 0,6kg 1.3lb

Ra	R9	ies tm-30		sdc	mA	V <sub>f (min)</sub>	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** 120V 50-60Hz **A I** **title24** **damp** **df** **pf**

**Via.552.0344** argento hacca trasparente trasparente 2700K les19 ● n55 1,0kg 2.2lb

**Via.552.0345** nero55 trasparente trasparente 2700K les19 ● n55 1,0kg 2.2lb

Ra	R9	ies tm-30		sdc	mA	V <sub>f (min)</sub>	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	



personalizza la tua luce  
vai su [Viabizzuno.com](http://Viabizzuno.com)



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*diffusore decorativo*  
decorative diffuser



*diffusore classico*  
classic diffuser



*diffusore tecnico*  
technical diffuser

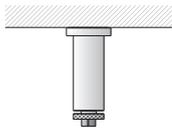
**1. scegli l'interfaccia**  
choose the interface

**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

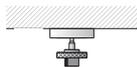
**n5 soffitto a.i.  interfaccia**  
alimentatore integrato  
integrated power supply



**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  
1240lm  
 9,7W  
128lm/W

**55/350  **

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

**55/500  **

les19   
 500mA  
1580lm  
14W  
 113lm/W

**55/500  **

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

**65/500e  **

les19   
 500mA  
1580lm  
14W  
 113lm/W

**65/700  **

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

**65/700  **

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

**82/1050  **

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

## diffusore classico classic diffuser

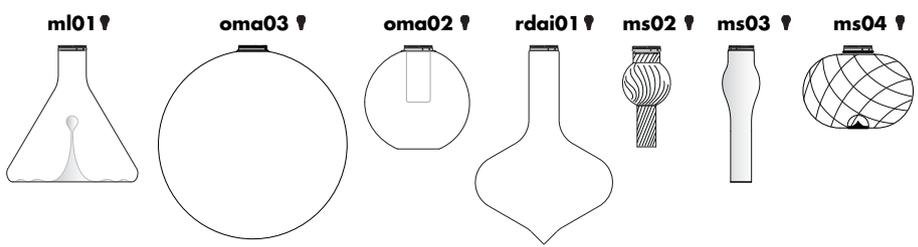
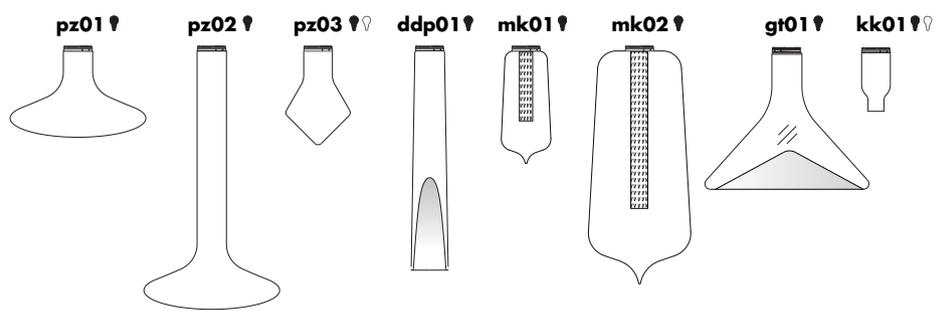
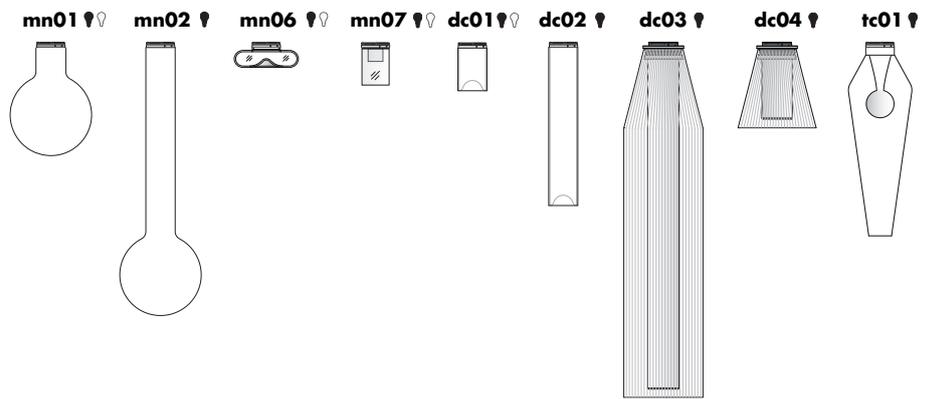
**hm01  **



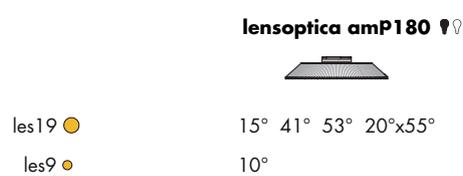
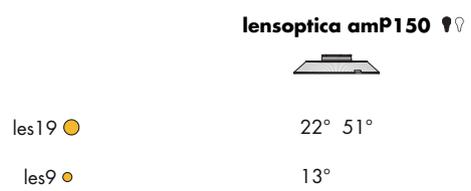
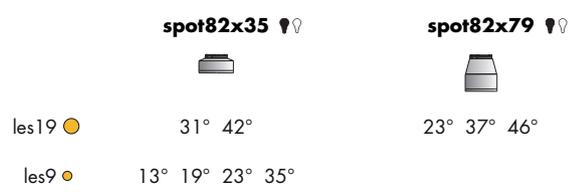
**hm02  **

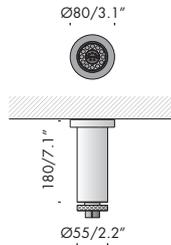


**diffusore decorativo  
decorative diffuser**

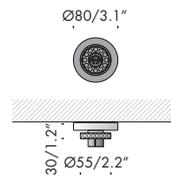


**diffusore tecnico  
technical diffuser**

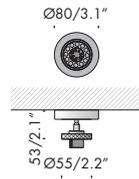




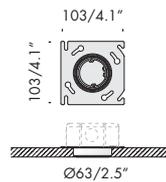
n55 soffitto interfaccia a.i.		120V 50-60Hz	A I	title24	damp	☑	☑	Ⓜ	i
<b>Vb3.580.01</b>	argento hacca	350÷1050mA	n55						0,3kg 0.7lb
<b>Vb3.580.02</b>	nero55	350÷1050mA	n55						0,3kg 0.7lb
<b>Vb3.580.03</b>	my bianco	350÷1050mA	n55						0,3kg 0.7lb



n55 soffitto interfaccia a.r.			☑	title24	damp	☑	☑	Ⓜ	i
<b>Vb3.580.09</b>	argento hacca				n55				0,4kg 0.9lb
<b>Vb3.580.10</b>	nero55				n55				0,4kg 0.9lb
<b>Vb3.580.11</b>	my bianco				n55				0,4kg 0.9lb



n55 soffitto interfaccia orientabile a.r.			☑	title24	damp	☑	☑	Ⓜ	i
<b>Vb6.580.17</b>	argento hacca				n55				0,4kg 0.9lb
<b>Vb6.580.18</b>	nero55				n55				0,4kg 0.9lb
<b>Vb6.580.19</b>	my bianco				n55				0,4kg 0.9lb



copertura per outlet box. cover for outlet box			Ⓜ	i
<b>Vb9.000.01.u</b>	scomparsa totale cartongesso fully concealed for plasterboard installation			0,3kg 0.7lb

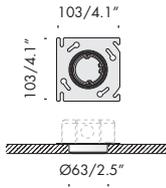


**n55 soffitto interfaccia scomparsa totale a.r.** **title24** **damp**

<b>Vb3.580.05</b>	argento hacca	n55	0,2kg 0.4lb
<b>Vb3.580.06</b>	nero55	n55	0,2kg 0.4lb
<b>Vb3.580.07</b>	my bianco	n55	0,2kg 0.4lb

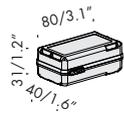
**copertura per outlet box. cover for outlet box**

<b>Vb9.000.01.u</b>	scomparsa totale cartongesso fully concealed for plasterboard installation	0,1kg 0.2lb
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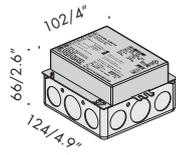
**alimentatore. power supply.** **dry**

<b>Vb9.580.80</b>	alimentatore elettronico con controllo intelligente electronic power supply with smart control	350÷1050mA dimm. 1÷10V	max 34W	0,2kg 0.4lb
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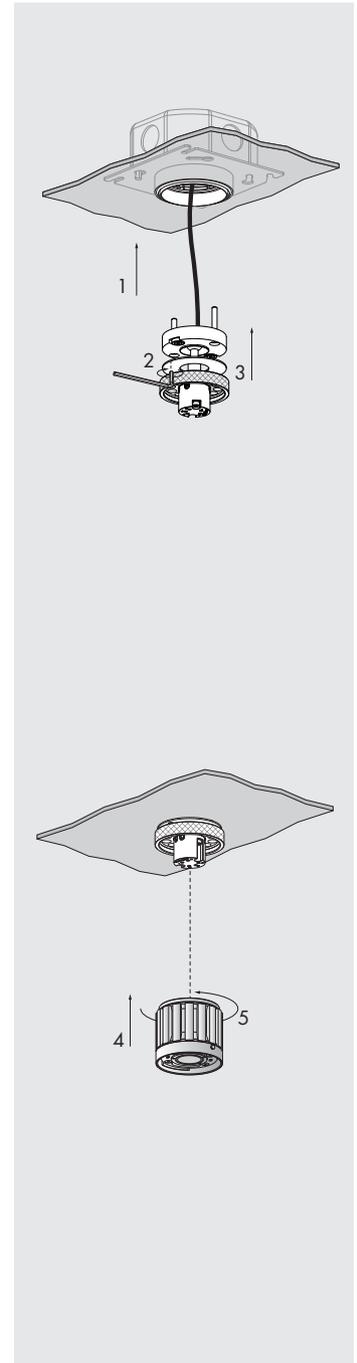
**alimentatori. power supplies.** **120V 50-60Hz** **dry**

<b>t4.620.u</b>	350mA	15÷38V	13W	0,9kg 1.9lb
<b>t4.621.u</b>	500mA	15÷38V	19W	0,9kg 1.9lb
<b>t4.622.u</b>	700mA	15÷38V	27W	0,9kg 1.9lb
<b>t4.623.u</b>	1050mA	15÷38V	40W	0,9kg 1.9lb



**accessori scomparsa totale. fully concealed accessories.**

<b>Vb9.580.83</b>	tappo di chiusura · end cap	argento hacca	0,1kg 0.2lb
<b>Vb9.580.84</b>	tappo di chiusura · end cap	nero55	0,1kg 0.2lb
<b>Vb9.580.85</b>	tappo di chiusura · end cap	my bianco	0,1kg 0.2lb



44/1.7" Ø55/2.2"



**propulsore dinamico 55/350e**



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

Ra	R9	ies tm-30		sdc	mA	V <sub>f (min)</sub>	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	

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

Ra	R9	ies tm-30		sdc	mA	V <sub>f (min)</sub>	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	

<b>Vb9.580.150.30v</b>	argento hacca	3000VbK	les19 ●	n55	0,2kg 0.4lb
<b>Vb9.580.151.30v</b>	nero55	3000VbK	les19 ●	n55	0,2kg 0.4lb
<b>Vb9.580.152.30v</b>	my bianco	3000VbK	les19 ●	n55	0,2kg 0.4lb

Ra	R9	ies tm-30		sdc	mA	V <sub>f (min)</sub>	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	

Ø55/2.1"



**propulsore dinamico 55/350**    

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

Ra	R9	ies tm-30		sdc	mA	V <sub>f (min)</sub>	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		

<b>Vb9.580.50.30</b>	argento hacca	3000K	les19 ●	n55	0,2kg 0.4lb
<b>Vb9.580.51.30</b>	nero55	3000K	les19 ●	n55	0,2kg 0.4lb
<b>Vb9.580.52.30</b>	my bianco	3000K	les19 ●	n55	0,2kg 0.4lb

Ra	R9	ies tm-30		sdc	mA	V <sub>f (min)</sub>	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		

<b>Vb9.580.50.30v</b>	argento hacca	3000vbK	les19 ●	n55	0,2kg 0.4lb
<b>Vb9.580.51.30v</b>	nero55	3000vbK	les19 ●	n55	0,2kg 0.4lb
<b>Vb9.580.52.30v</b>	my bianco	3000vbK	les19 ●	n55	0,2kg 0.4lb

Ra	R9	ies tm-30		sdc	mA	V <sub>f (min)</sub>	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		

44/1.7"  




### propulsore dinamico 55/500



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

Ra	R9	ies tm-30		sdc	mA	V <sub>f (min)</sub>	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	

<b>Vb9.580.62.30</b>	argento hacca	3000K	les19 ●	n55	0,2kg 0.4lb
<b>Vb9.580.63.30</b>	nero55	3000K	les19 ●	n55	0,2kg 0.4lb
<b>Vb9.580.64.30</b>	my bianco	3000K	les19 ●	n55	0,2kg 0.4lb

Ra	R9	ies tm-30		sdc	mA	V <sub>f (min)</sub>	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	

<b>Vb9.580.62.30v</b>	argento hacca	3000VbK	les19 ●	n55	0,2kg 0.4lb
<b>Vb9.580.63.30v</b>	nero55	3000VbK	les19 ●	n55	0,2kg 0.4lb
<b>Vb9.580.64.30v</b>	my bianco	3000VbK	les19 ●	n55	0,2kg 0.4lb

Ra	R9	ies tm-30		sdc	mA	V <sub>f (min)</sub>	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	

44/1,7" Ø55/2,2"  
49/1,9"



propulsore dinamico 55/500				
<b>Vb9.580.101.27</b>	argento hacca	2700K	les9 ●	n55 0,2kg 0.4lb
<b>Vb9.580.102.27</b>	nero55	2700K	les9 ●	n55 0,2kg 0.4lb
<b>Vb9.580.103.27</b>	my bianco	2700K	les9 ●	n55 0,2kg 0.4lb

Ra	R9	ies tm-30		sdc	mA	V <sub>f</sub> (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	

<b>Vb9.580.101.30</b>	argento hacca	3000K	les9 ●	n55 0,2kg 0.4lb
<b>Vb9.580.102.30</b>	nero55	3000K	les9 ●	n55 0,2kg 0.4lb
<b>Vb9.580.103.30</b>	my bianco	3000K	les9 ●	n55 0,2kg 0.4lb

Ra	R9	ies tm-30		sdc	mA	V <sub>f</sub> (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	

<b>Vb9.580.101.30v</b>	argento hacca	3000VbK	les9 ●	n55 0,2kg 0.4lb
<b>Vb9.580.102.30v</b>	nero55	3000VbK	les9 ●	n55 0,2kg 0.4lb
<b>Vb9.580.103.30v</b>	my bianco	3000VbK	les9 ●	n55 0,2kg 0.4lb

Ra	R9	ies tm-30		sdc	mA	V <sub>f</sub> (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	



<b>propulsore dinamico 65/500e</b>					
<b>Vb9.580.154.27</b>	argento hacca	2700K	les19 ●	n55	0,3kg 0.7lb
<b>Vb9.580.155.27</b>	nero55	2700K	les19 ●	n55	0,3kg 0.7lb
<b>Vb9.580.156.27</b>	my bianco	2700K	les19 ●	n55	0,3kg 0.7lb

Ra	R9	ies tm-30		sdc	mA	V <sub>f (min)</sub>	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	

<b>Vb9.580.154.30</b>	argento hacca	3000K	les19 ●	n55	0,3kg 0.7lb
<b>Vb9.580.155.30</b>	nero55	3000K	les19 ●	n55	0,3kg 0.7lb
<b>Vb9.580.156.30</b>	my bianco	3000K	les19 ●	n55	0,3kg 0.7lb

Ra	R9	ies tm-30		sdc	mA	V <sub>f (min)</sub>	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	

<b>Vb9.580.154.30v</b>	argento hacca	3000VbK	les19 ●	n55	0,3kg 0.7lb
<b>Vb9.580.155.30v</b>	nero55	3000VbK	les19 ●	n55	0,3kg 0.7lb
<b>Vb9.580.156.30v</b>	my bianco	3000VbK	les19 ●	n55	0,3kg 0.7lb

Ra	R9	ies tm-30		sdc	mA	V <sub>f (min)</sub>	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	



<b>propulsore dinamico 65/700</b>					
<b>Vb9.580.54.27</b>	argento hacca	2700K	les19 ●	n55	0,3kg 0.7lb
<b>Vb9.580.55.27</b>	nero55	2700K	les19 ●	n55	0,3kg 0.7lb
<b>Vb9.580.56.27</b>	my bianco	2700K	les19 ●	n55	0,3kg 0.7lb

Ra	R9	ies tm-30		sdc	mA	V <sub>f (min)</sub>	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		

<b>Vb9.580.54.30</b>	argento hacca	3000K	les19 ●	n55	0,3kg 0.7lb
<b>Vb9.580.55.30</b>	nero55	3000K	les19 ●	n55	0,3kg 0.7lb
<b>Vb9.580.56.30</b>	my bianco	3000K	les19 ●	n55	0,3kg 0.7lb

Ra	R9	ies tm-30		sdc	mA	V <sub>f (min)</sub>	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		

<b>Vb9.580.54.30v</b>	argento hacca	3000VbK	les19 ●	n55	0,3kg 0.7lb
<b>Vb9.580.55.30v</b>	nero55	3000VbK	les19 ●	n55	0,3kg 0.7lb
<b>Vb9.580.56.30v</b>	my bianco	3000VbK	les19 ●	n55	0,3kg 0.7lb

Ra	R9	ies tm-30		sdc	mA	V <sub>f (min)</sub>	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		



<b>propulsore dinamico 65/700</b>					
<b>Vb9.580.106.27</b>	argento hacca	2700K	les9 ●	n55	0,3kg 0.7lb
<b>Vb9.580.107.27</b>	nero55	2700K	les9 ●	n55	0,3kg 0.7lb
<b>Vb9.580.108.27</b>	my bianco	2700K	les9 ●	n55	0,3kg 0.7lb

Ra	R9	ies tm-30		sdc	mA	V <sub>f(min)</sub>	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

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

Ra	R9	ies tm-30		sdc	mA	V <sub>f(min)</sub>	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

<b>Vb9.580.106.30v</b>	argento hacca	3000VbK	les9 ●	n55	0,3kg 0.7lb
<b>Vb9.580.107.30v</b>	nero55	3000VbK	les9 ●	n55	0,3kg 0.7lb
<b>Vb9.580.108.30v</b>	my bianco	3000VbK	les9 ●	n55	0,3kg 0.7lb

Ra	R9	ies tm-30		sdc	mA	V <sub>f(min)</sub>	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



<b>propulsore dinamico 82/1050</b>					
<b>Vb9.580.58.27</b>	argento hacca	2700K	les19 ●	n55	0,5kg 1.1lb
<b>Vb9.580.59.27</b>	nero55	2700K	les19 ●	n55	0,5kg 1.1lb
<b>Vb9.580.60.27</b>	my bianco	2700K	les19 ●	n55	0,5kg 1.1lb

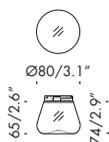
Ra	R9	ies tm-30		sdc	mA	V <sub>f (min)</sub>	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	1050	29,0	3000	30,5	98
xm000	les19 ●	Ta25 °C		vita media · average life			70000 h	L80 B10	

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

Ra	R9	ies tm-30		sdc	mA	V <sub>f (min)</sub>	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	

<b>Vb9.580.58.30v</b>	argento hacca	3000VbK	les19 ●	n55	0,5kg 1.1lb
<b>Vb9.580.59.30v</b>	nero55	3000VbK	les19 ●	n55	0,5kg 1.1lb
<b>Vb9.580.60.30v</b>	my bianco	3000VbK	les19 ●	n55	0,5kg 1.1lb

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



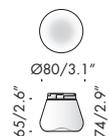
marionanni



**Vb9.580.01.t**

hm01 trasparente · transparent

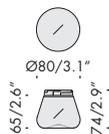
n55 0,5kg  
1.1lb



**Vb9.580.01.s**

hm01 sabbziata · sanded

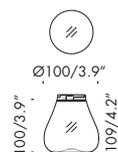
n55 0,5kg  
1.1lb



**Vb9.580.01.b**

hm01 bianco latte · milk white

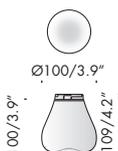
n55 0,5kg  
1.1lb



**Vb9.580.02.t**

hm02 trasparente · transparent

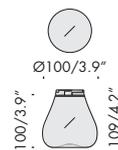
n55 0,1kg  
0.2lb



**Vb9.580.02.s**

hm02 sabbziata · sanded

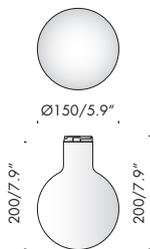
n55 0,1kg  
0.2lb



**Vb9.580.02.b**

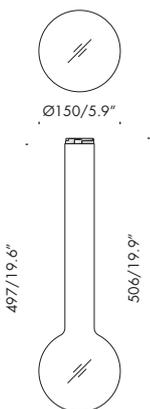
hm02 bianco latte · milk white

n55 0,1kg  
0.2lb



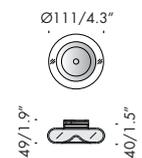
**Vb9.580.03.s** mn01 sabbiato · sanded

n55 0,3kg  
0.7lb



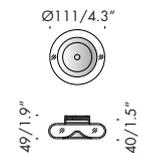
**Vb9.580.04.t** mn02 trasparente · transparent

n55 0,3kg  
0.7lb



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

n55 0,1kg  
0.2lb

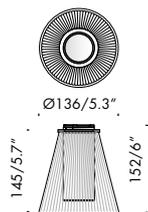
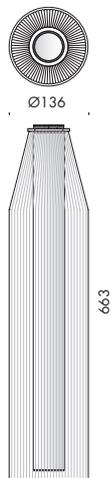
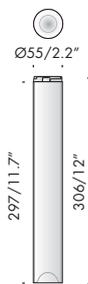


**Vb9.580.173.cr** mn06 tabacchiera  
trasparente cromata · transparent chromed

n55 0,1kg  
0.2lb



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



**david chipperfield**  

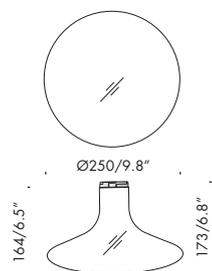
**Vb9.580.05.s** dc01 sabbaiato · sanded n55 0,1kg  
0.2lb

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

**Vb9.580.19.tr** dc03 trasparente, rigato  
transparent, striped n55 0,7kg  
1.5lb

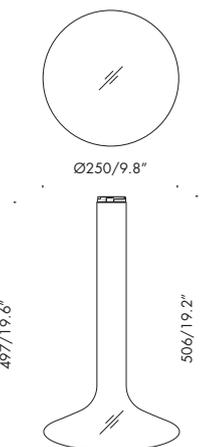
**Vb9.580.20.tr** dc04 trasparente, rigato e sabbaiato  
transparent, striped and sanded n55 0,3kg  
0.7lb

peter zumthor



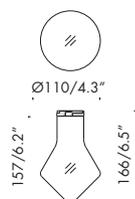
**Vb9.580.08.t** pz01 trasparente · transparent

n55 0,3kg  
0.7lb



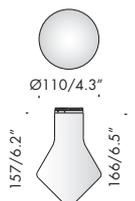
**Vb9.580.10.t** pz02 trasparente · transparent

n55 0,6kg  
1.3lb



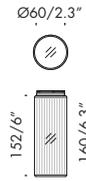
**Vb9.580.11.t** pz03 trasparente · transparent

n55 0,2kg  
0.4lb



**Vb9.580.11.s** pz03 sabbaiato · sanded

n55 0,2kg  
0.4lb

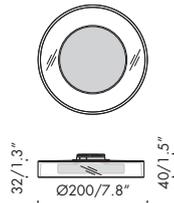


### al-jawad pike



**Vb9.580.18.tr** aip01 trasparente, rigato  
transparent, striped

n55 0,2kg  
0.4lb

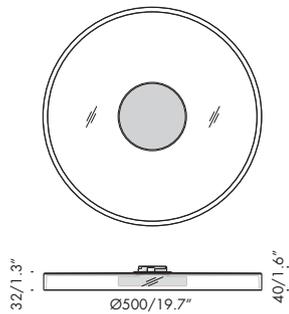


### neri&hu



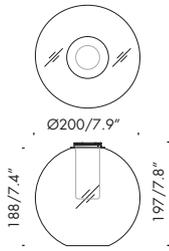
**Vb9.580.116.ts** nh01 trasparente, sabbato  
transparent, sanded

n55 1,2kg  
2.6lb



**Vb9.580.117.ts** nh02 trasparente, sabbato  
transparent, sanded

n55 2kg  
4.4lb

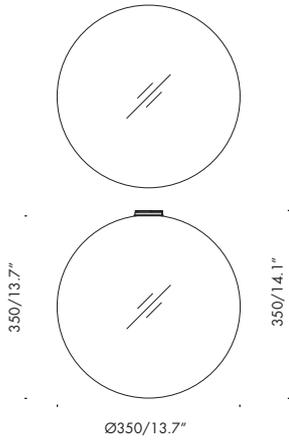


**oma**



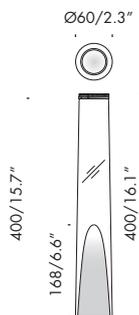
**Vb9.580.14.t** oma02 trasparente · transparent

n55 0,4kg  
0.8lb



**Vb9.580.15.t** oma03 trasparente · transparent

n55 1,4kg  
3.1lb

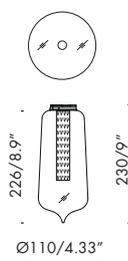


**domenico de palo**



**Vb9.580.114.t** ddp01 trasparente,sabbiato  
transparent, sanded

n55 0,4kg  
0.8lb

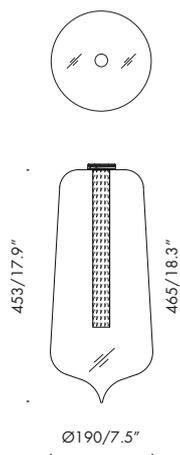


**marcio kogan**



**Vb9.580.111.1** mk01 trasparente · transparent

n55 0,4kg  
0.8lb



**Vb9.580.112.1** mk02 trasparente · transparent

n55 1,8kg  
4lb

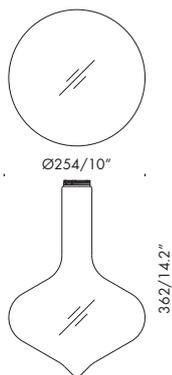


**kengo kuma**



**Vb9.580.07.c** kk01 cristallo · crystal

n55 0,3kg  
0.7lb

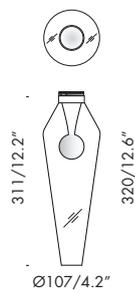


**rdai**



**Vb9.580.12.f** rdai01 trasparente · transparent

n55 0,6kg  
1.3lb



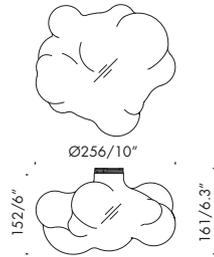
**tzach cohen**



**Vb9.580.180.ts** tc01 trasparente, sabbato  
transparent, sanded

n55 0,4kg  
0.8lb





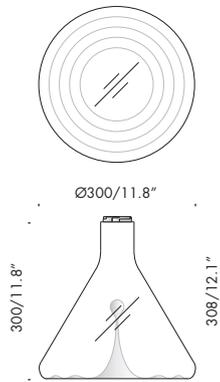
### winy maas



Vb9.580.09.t

wm01 trasparente · transparent

n55 0,6kg  
1.3lb



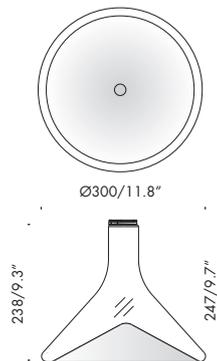
### max lam



Vb9.580.13.t

ml01 trasparente · transparent

n55 1,4kg  
3.1lb



### gio tirotto



Vb9.580.17.t

gt01 trasparente, sabbiato  
transparent, sanded

n55 1kg  
2.2lb

**mirko spaccapanico**



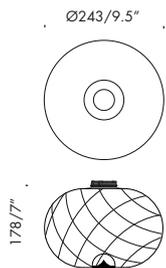
**Vb9.580.175.t** ms02 trasparente · transparent

n55 0,3kg  
0.7lb



**Vb9.580.176.t** ms03 trasparente · transparent

n55 0,3kg  
0.7lb



**Vb9.580.177.t** ms04 trasparente · transparent

n55 0,3kg  
0.7lb

**accessori per lampadina trasparente. transparent bulb accessories.**



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

0,03kg  
0.07lb



Ø55/2,1"



Ø35/1,3"



12/0,4"

20/0,7"

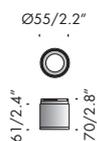
### spot35



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



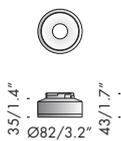
spot55x37				Ⓜ	i
<b>Vb9.580.121</b>	argento hacca	18° les9 ●	n55	0,1kg 0.2lb	
<b>Vb9.580.122</b>	nero55	18° les9 ●	n55	0,1kg 0.2lb	
<b>Vb9.580.122.b</b>	my bianco	18° les9 ●	n55	0,1kg 0.2lb	
<b>Vb9.580.123</b>	argento hacca	23° les9 ● 30° les19 ●	n55	0,1kg 0.2lb	
<b>Vb9.580.124</b>	nero55	23° les9 ● 30° les19 ●	n55	0,1kg 0.2lb	
<b>Vb9.580.124.b</b>	my bianco	23° les9 ● 30° les19 ●	n55	0,1kg 0.2lb	
<b>Vb9.580.125</b>	argento hacca	36° les9 ● 38° les19 ●	n55	0,1kg 0.2lb	
<b>Vb9.580.126</b>	nero55	36° les9 ● 38° les19 ●	n55	0,1kg 0.2lb	
<b>Vb9.580.126.b</b>	my bianco	36° les9 ● 38° les19 ●	n55	0,1kg 0.2lb	



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



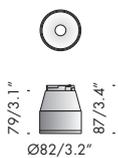
accessori spot55. accessories.			Ⓜ	i
<b>Vb9.580.91</b>	frangiluce nido d'ape · honeycomb louvre			0,01kg 0.02lb
<b>Vb9.580.92</b>	lente ellittica · elliptical lens			0,04kg 0.09lb



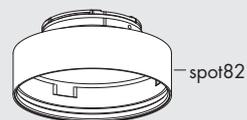
**spot82x35**



<b>Vb9.580.131</b>	argento hacca	13° les9 ●	n55	0,1kg 0.2lb
<b>Vb9.580.132</b>	nero55	13° les9 ●	n55	0,1kg 0.2lb
<b>Vb9.580.137</b>	my bianco	13° les9 ●	n55	0,1kg 0.2lb
<b>Vb9.580.133</b>	argento hacca	19° les9 ●	n55	0,1kg 0.2lb
<b>Vb9.580.134</b>	nero55	19° les9 ●	n55	0,1kg 0.2lb
<b>Vb9.580.138</b>	my bianco	19° les9 ●	n55	0,1kg 0.2lb
<b>Vb9.580.135</b>	argento hacca	23° les9 ● 31° les19 ●	n55	0,1kg 0.2lb
<b>Vb9.580.136</b>	nero55	23° les9 ● 31° les19 ●	n55	0,1kg 0.2lb
<b>Vb9.580.141</b>	my bianco	23° les9 ● 31° les19 ●	n55	0,1kg 0.2lb
<b>Vb9.580.139</b>	argento hacca	35° les9 ● 42° les19 ●	n55	0,1kg 0.2lb
<b>Vb9.580.140</b>	nero55	35° les9 ● 42° les19 ●	n55	0,1kg 0.2lb
<b>Vb9.580.142</b>	my bianco	35° les9 ● 42° les19 ●	n55	0,1kg 0.2lb


**spot82x79**


<b>Vb9.580.31</b>	argento hacca	23° les19 ●	n55	0,2kg 0.4lb
<b>Vb9.580.32</b>	nero55	23° les19 ●	n55	0,2kg 0.4lb
<b>Vb9.580.32.b</b>	my bianco	23° les19 ●	n55	0,2kg 0.4lb
<b>Vb9.580.33</b>	argento hacca	37° les19 ●	n55	0,2kg 0.4lb
<b>Vb9.580.34</b>	nero55	37° les19 ●	n55	0,2kg 0.4lb
<b>Vb9.580.34.b</b>	my bianco	37° les19 ●	n55	0,2kg 0.4lb
<b>Vb9.580.35</b>	argento hacca	46° les19 ●	n55	0,2kg 0.4lb
<b>Vb9.580.36</b>	nero55	46° les19 ●	n55	0,2kg 0.4lb
<b>Vb9.580.36.b</b>	my bianco	46° les19 ●	n55	0,2kg 0.4lb



spot82



- Vb9.580.165


 - porta accessorio  
accessory holder

 - trappola di luce  
light trap

**accessori spot82. accessories.**


Ø75/2.9" 4/0.7"



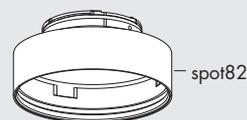
Ø75/3.0" 4/0.2"



Ø75/3.0" 4/0.2"


 16/0.6"
   
 Ø74.5/2.9"

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



spot82

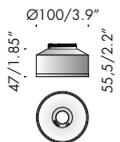


- Vb9.580.88


 - porta accessorio  
accessory holder


- Vb9.580.165


 - trappola di luce  
light trap

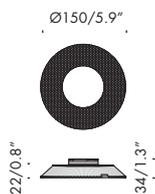


spot100				Ⓜ	ⓘ
<b>Vb9.580.37</b>	argento hacca	10° les9 ●	16° les19 ●	n55	0,1kg 0.2lb
<b>Vb9.580.38</b>	nero55	10° les9 ●	16° les19 ●	n55	0,1kg 0.2lb
<b>Vb9.580.38.b</b>	my bianco	10° les9 ●	16° les19 ●	n55	0,1kg 0.2lb
<b>Vb9.580.39</b>	argento hacca	22° les9 ●	25° les19 ●	n55	0,1kg 0.2lb
<b>Vb9.580.40</b>	nero55	22° les9 ●	25° les19 ●	n55	0,1kg 0.2lb
<b>Vb9.580.40.b</b>	my bianco	22° les9 ●	25° les19 ●	n55	0,1kg 0.2lb
<b>Vb9.580.41</b>	argento hacca		40° les19 ●	n55	0,1kg 0.2lb
<b>Vb9.580.42</b>	nero55		40° les19 ●	n55	0,1kg 0.2lb
<b>Vb9.580.42.b</b>	my bianco		40° les19 ●	n55	0,1kg 0.2lb
<b>Vb9.580.43</b>	argento hacca		54° les19 ●	n55	0,1kg 0.2lb
<b>Vb9.580.44</b>	nero55		54° les19 ●	n55	0,1kg 0.2lb
<b>Vb9.580.44.b</b>	my bianco		54° les19 ●	n55	0,1kg 0.2lb

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



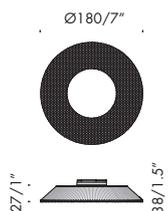




### lensoptica amP150



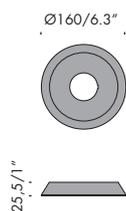
<b>Vb9.518.91</b>	fascio stretto narrow beam	13° 22°	les9 ● les19 ●	n55	0,3kg 0.7lb
<b>Vb9.518.92</b>	fascio largo wide beam	51°	les19 ●	n55	0,3kg 0.7lb



### lensoptica amP180



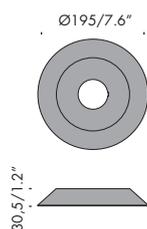
<b>Vb9.518.81</b>	fascio stretto narrow beam	10° 15°	les9 ● les19 ●	n55	0,6kg 1.3lb
<b>Vb9.518.82</b>	fascio medio medium beam	41°	les19 ●	n55	0,6kg 1.3lb
<b>Vb9.518.83</b>	fascio largo wide beam	53°	les19 ●	n55	0,6kg 1.3lb
<b>Vb9.518.84</b>	fascio ellittico elliptical beam	20°x55°	les19 ●	n55	0,6kg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



### riflettore in metallo 150



<b>Vb9.518.95.n</b>	nero55				0,1kg 0.2lb
<b>Vb9.518.95.mb</b>	my bianco				0,1kg 0.2lb
<b>Vb9.518.95.h</b>	argento hacca				0,1kg 0.2lb



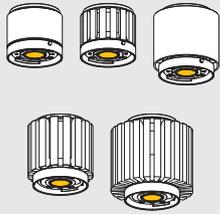
### riflettore in metallo 180



<b>Vb9.518.96.n</b>	nero55				0,1kg 0.2lb
<b>Vb9.518.96.mb</b>	my bianco				0,1kg 0.2lb
<b>Vb9.518.96.h</b>	argento hacca				0,1kg 0.2lb



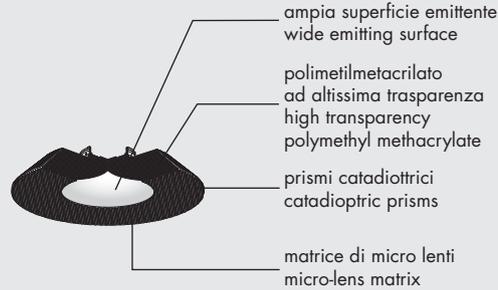
propulsore dinamico n55



riflettore in metallo - metal reflector

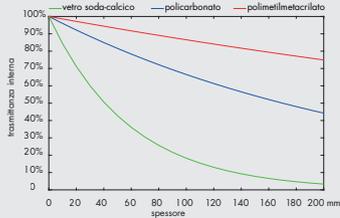


lensoptica amP



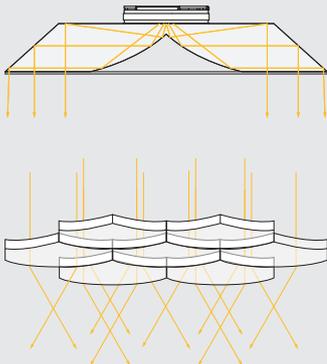
materiale	coefficiente d'assorbimento $\alpha$
vetro soda calcico	0,017 mm <sup>-1</sup>
poli-carbonato	0,004 mm <sup>-1</sup>
polimetilmetacrilato	0,0014 mm <sup>-1</sup>

la trasmittanza interna (T) di un materiale trasparente è determinata dallo spessore (x) e dal coefficiente d'assorbimento del materiale stesso ( $\alpha$ ) 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 ( $\alpha$ ) 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 characteristic 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'illuminazione 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.

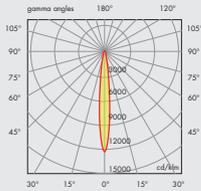
high efficiency is achieved thanks to a very high transparent material, i.e. polymethyl methacrylate, by means of catadioptric prisms specifically designed to reflect and transmit light reducing losses due to absorption: these elements, reflect 90% of the incident light flow downwards and transmit 10%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

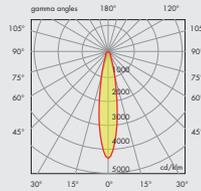
**lensoptica amP150**  
**13° les9**

fascio stretto - narrow beam



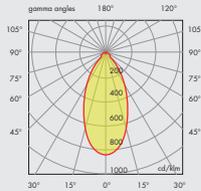
**lensoptica amP150 22°**  
**les19**

fascio stretto - narrow beam



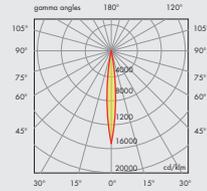
**lensoptica amP150 51°**  
**les19**

fascio largo - wide beam



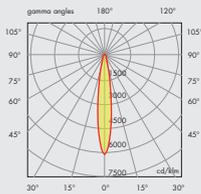
**lensoptica amP180 10°**  
**les9**

fascio stretto - narrow beam



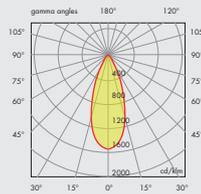
**lensoptica amP180 15°**  
**les19**

fascio stretto - narrow beam



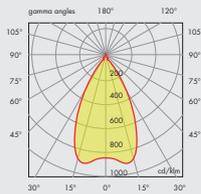
**lensoptica amP180 41°**  
**les19**

fascio medio - medium beam



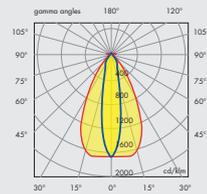
**lensoptica amP180 53°**  
**les19**

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

