

**Via bizzuno** *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, irreverente nello spazio,  
ironica, fuori dagli schemi: la luce per la forma.  
distinte ma complementari si fondono in un  
unico nome: Viabizzuno.*

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

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

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

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

*al fine di offrire ai nostri clienti la massima qualità della luce utilizzando le più avanzate tecnologie, forti del nostro sapere artigiano costruito in italia, aggiorniamo costantemente i nostri apparecchi di illuminazione.*  
*Viabizzuno si riserva il diritto di apportare ai propri modelli, senza nessun preavviso, qualsiasi modifica ritenesse opportuna. per dimensioni e codici fanno fede i nostri strumenti di lavoro www.Viabizzuno.com, Viacommerce®, Viabizzunoapplight e Viabizzunoonline.*  
*la progettazione degli apparecchi di illuminazione e dei relativi componenti è eseguita utilizzando i millimetri come unità di misura. le dimensioni espresse in pollici sono indicative e frutto di conversioni soggette a tolleranze.*

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

|                |              |   |     |   |       |   |
|----------------|--------------|---|-----|---|-------|---|
| xxxxxxxxxxxxxx | 120V 50-60Hz | A | wet |   | cULus |   |
| a              | b            | c | d   | e | f     | g |

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<br>colour temperature led source (Kelvin) |
| m | potenza della sorgente · source power (Watt)                                      |
| n | gradi fascio luminoso · light beam degrees  |

|            |        |       |     |     |                |   |
|------------|--------|-------|-----|-----|----------------|---|
| Vbx.xxx.xx | nero55 | 3000K | 35W | 20° | 0,8kg<br>1,8lb |   |
| h          | i      | j     | k   | l   | m              | g |

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

|    |    |    |    |
|----|----|----|----|
| 10 | 11 | 12 | 13 |
|----|----|----|----|

|    |  |
|----|--|
| 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<br>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

 componenti certificati per il mercato nord americano idonei ad essere utilizzati e valutati 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

 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 sabbioso · 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

 fascio asimmetrico · asymmetric beam

 fascio ellittico · elliptical beam

 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
- X** 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
- I.d.** luce diretta · direct light
- I.i.** luce indiretta · indirect light
- V** disponibile su · available on [Viabizzuno applight](http://Viabizzuno.applight) [www.Viabizzuno.com](http://www.Viabizzuno.com) [Viabizzuno online](http://Viabizzuno.online)



brevettato · patented



**apparecchio di illuminazione da tavolo per interni realizzato in alluminio ossidato.  
modelli:**

**n55 tavolo 01 con base diametro Ø110mm/4.3”;**

**n55 tavolo 02 con base diametro Ø200mm/7.9”.**

**compatibile con i seguenti propulsori dinamici n55:**

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

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

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

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

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

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

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

**tutti i propulsori sono Ra98 1 step macadam con sorgente elettronica 2700K, 3000K o 3000VbK.**

**base completa di potenziometro per la regolazione dell'intensità luminosa, cablata con converter 48V a controllo intelligente che fornisce automaticamente la corrente adeguata al tipo di propulsore.**

**alimentatore 120V 50-60Hz incluso.**

**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.**

**finiture: argento hacca, nero55. diffusori decorativi e diffusori con vetro trasparente, sabbiato e bianco latte.**

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

**dry location rated table light fitting for indoor use, made of oxidised aluminium.  
versions:**

**n55 tavolo 01 with diameter Ø110mm/4.3" base;**

**n55 tavolo 02 with diameter Ø200mm/7.9" base.**

**compatible with the following propulsori dinamici n55:**

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

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

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

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

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

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

**65/700 les9 up to 19.5W 700mA 1110lm.**

**all propellers are Ra98 1 step macadam with 2700K, 3000K or 3000VbK led source.**

**the base is equipped with a potentiometer to adjust the lighting intensity, wired with a 48V converter with intelligent control, which automatically supplies the right current according to the type of propeller.**

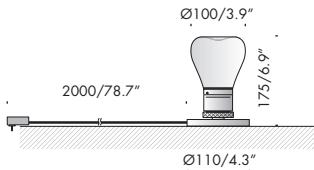
**120V 50-60Hz power supply included.**

**thanks to the special n55 lamp-holder, it is possible to change three types of light bulbs: standard, decorative and technical. any irregularities in the glass are a guarantee of an unique product, blown and entirely hand crafted by master glassmakers.**

**finishes: argento hacca, nero55. decorative and standard diffuser with transparent, sanded and milk white glass.**

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



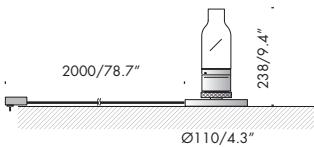


n55 tavolo 01 hm02 120V 50-60Hz AS title24 dry df pr

**Via.552.0000** argento hacca sabbiamo sanded 2700K les19 n55 4kg 8.8lb

**Via.552.0001** nero55 sabbiamo sanded 2700K les19 n55 4kg 8.8lb

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

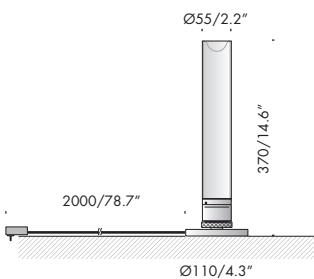


n55 tavolo 01 kk01 120V 50-60Hz AS title24 dry df pr

**Via.552.0016** argento hacca cristallo crystal 2700K les19 n55 4,2kg 9.3lb

**Via.552.0017** nero55 cristallo crystal 2700K les19 n55 4,2kg 9.3lb

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



n55 tavolo 01 dc02 120V 50-60Hz AS title24 dry df pr

**Via.552.0004** argento hacca sabbiamo sanded 2700K les19 n55 4,2kg 9.3lb

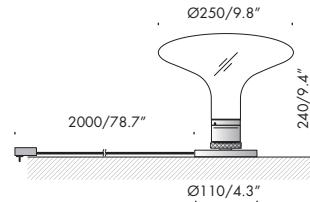
**Via.552.0005** nero55 sabbiamo sanded 2700K les19 n55 4,2kg 9.3lb

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

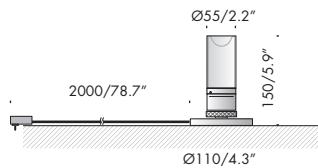
M 55

le mie  
lampadine  
chiare biancolatte o  
smerigliate

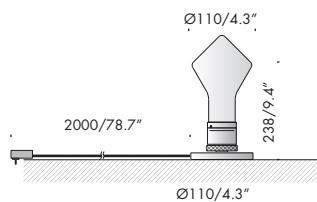




| n55 tavolo 01 pz01 |               | 120V 50-60Hz               | AS | title24       | dry | df              | pr | ⚠ | ✖ | ● |
|--------------------|---------------|----------------------------|----|---------------|-----|-----------------|----|---|---|---|
| Via.552.0008       | argento hacca | trasparente<br>transparent |    | 2700K les19 ⚡ | n55 | 4,8kg<br>10.6lb |    |   |   |   |
| Via.552.0009       | nero55        | trasparente<br>transparent |    | 2700K les19 ⚡ | n55 | 4,8kg<br>10.6lb |    |   |   |   |



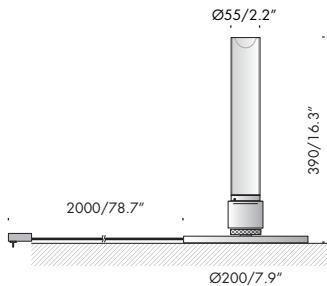
| n55 tavolo 01 dc01 |               | 120V 50-60Hz       | AS | title24       | dry | df           | pr | ⚠ | ✖ | ● |
|--------------------|---------------|--------------------|----|---------------|-----|--------------|----|---|---|---|
| Via.552.0012       | argento hacca | sabbiato<br>sanded |    | 2700K les19 ⚡ | n55 | 4kg<br>8.8lb |    |   |   |   |
| Via.552.0013       | nero55        | sabbiato<br>sanded |    | 2700K les19 ⚡ | n55 | 4kg<br>8.8lb |    |   |   |   |



| n55 tavolo 01 pz03 |               | 120V 50-60Hz       | AS | title24       | dry | df             | pr | ⚠ | ✖ | ● |
|--------------------|---------------|--------------------|----|---------------|-----|----------------|----|---|---|---|
| Via.552.0020       | argento hacca | sabbiato<br>sanded |    | 2700K les19 ⚡ | n55 | 4,2kg<br>9.3lb |    |   |   |   |
| Via.552.0021       | nero55        | sabbiato<br>sanded |    | 2700K les19 ⚡ | n55 | 4,2kg<br>9.3lb |    |   |   |   |

| Ra    | R9      | ies tm-30      | sdcm                      | mA      | V <sub>f</sub> [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              |      |     |      |



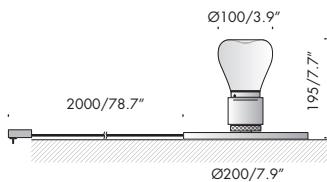


n55 tavolo 02 dc02 120V 50-60Hz AS title24 dry df pr

**Via.552.0508** argento hacca sabbiato sanded 2700K les19 n55 4,2kg 9.3lb

**Via.552.0509** nero55 sabbiato sanded 2700K les19 n55 4,2kg 9.3lb

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

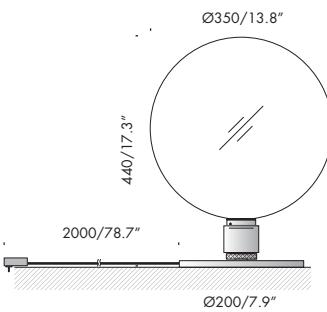


n55 tavolo 02 hm02 120V 50-60Hz AS title24 dry df pr

**Via.552.0512** argento hacca sabbiato sanded 2700K les19 n55 4kg 8.8lb

**Via.552.0513** nero55 sabbiato sanded 2700K les19 n55 4kg 8.8lb

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

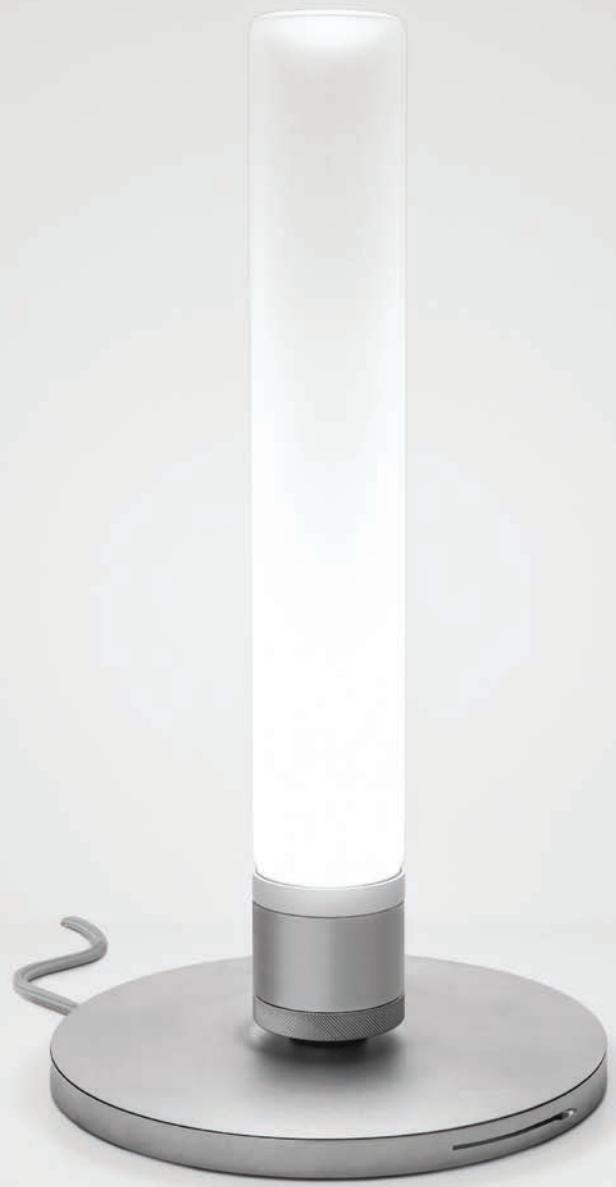


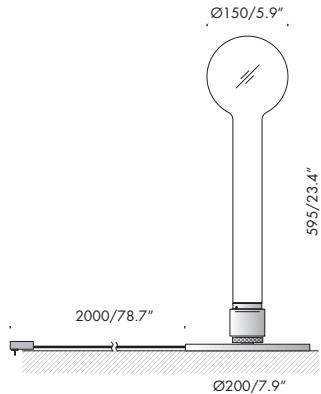
n55 tavolo 02 oma03 120V 50-60Hz AS title24 dry df pr

**Via.552.0504** argento hacca trasparente transparent 2700K les19 n55 5kg 11lb

**Via.552.0505** nero55 trasparente transparent 2700K les19 n55 5kg 11lb

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



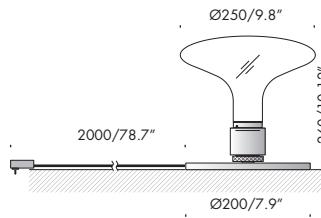


n55 tavolo 02 mn02 120V 50-60Hz AS title24 dry df pr

**Via.552.0516** argento hacca trasparente transparent 2700K les19 n55 5kg 11lb

**Via.552.0517** nero55 trasparente transparent 2700K les19 n55 5kg 11lb

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

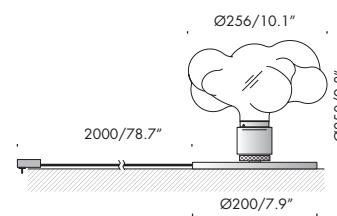


n55 tavolo 02 pz01 120V 50-60Hz AS title24 dry df pr

**Via.552.0520** argento hacca trasparente transparent 2700K les19 n55 4,8kg 10.6lb

**Via.552.0521** nero55 trasparente transparent 2700K les19 n55 4,8kg 10.6lb

| Ra    | R9    | ies tm-30 |                           | sdcm    | 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 tavolo 02 wm01 120V 50-60Hz AS title24 dry df pr

**Via.552.0500** argento hacca trasparente transparent 2700K les19 n55 5kg 11lb

**Via.552.0501** nero55 trasparente transparent 2700K les19 n55 5kg 11lb

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



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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 propulsor dinamico n55

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

**n55 tavolo****propulsore dinamico n55****diffusore classico  
classic diffuser****n55 tavolo 01 ♂  
interfaccia**alimentatore a spina  
plug-in power supply**n55 tavolo 02 ♀  
interfaccia**alimentatore a spina  
plug-in power supply**55/350e ♂♀**les19 ●  
350mA  
1240lm  
9,7W  
128lm/W**55/350 ♀♀**les19 ●  
350mA  
1240lm  
9,7W  
128lm/W**55/500 ♀♀**les19 ●  
500mA  
1580lm  
14W  
113lm/W**55/500 ♀♀**les9 ●  
500mA  
800lm  
13,6W  
59lm/W**hm01 ♀♀****65/500e ♀♀**les19 ●  
500mA  
1580lm  
14W  
113lm/W**65/700 ♀♀**les19 ●  
700mA  
2140 lm  
19,9W  
108lm/W**hm02 ♀♀****65/700 ♀♀**les9 ●  
700mA  
1110lm  
19,5W  
57lm/W**82/1050**les19 ●  
1050mA  
3000lm  
30,5W  
98lm/W

**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**



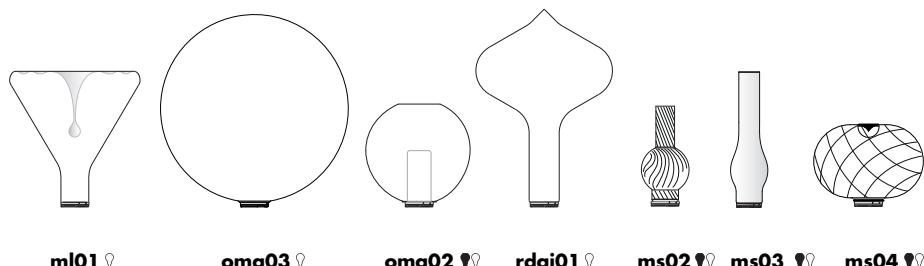
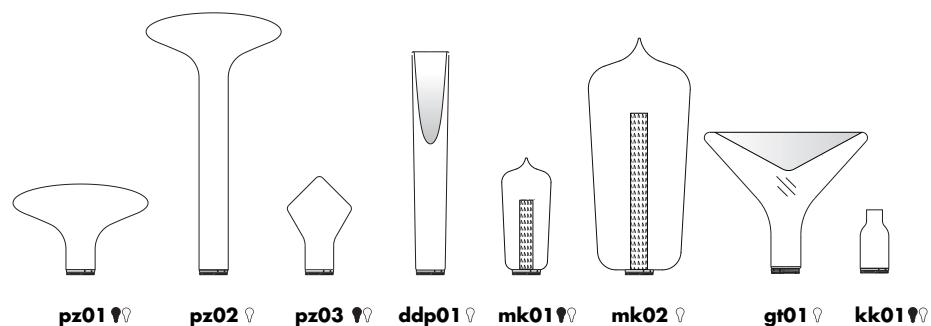
les19 16° 25° 40° 54°  
les9 10° 22°

**lensoptica amP150**

les19 22° 51°  
les9 13°

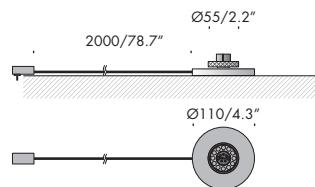
**lensoptica amP180**

les19 15° 41° 53° 20°x55°  
les9 10°

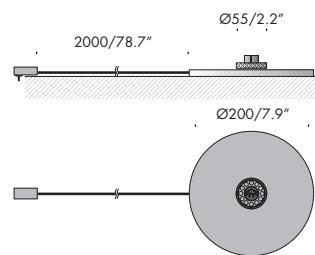


wm01

ajp01



|                           |               |    |           |     |                |  |  |  |  |
|---------------------------|---------------|----|-----------|-----|----------------|--|--|--|--|
| n55 tavolo interfaccia 01 | 110V 50-60Hz  | AS | title24   | dry |                |  |  |  |  |
| Vb2.580.05                | argento hacca |    | 350÷700mA | n55 | 3,8kg<br>8.4lb |  |  |  |  |
| Vb2.580.06                | nero55        |    | 350÷700mA | n55 | 3,8kg<br>8.4lb |  |  |  |  |



|                           |               |    |           |     |                |  |  |  |  |
|---------------------------|---------------|----|-----------|-----|----------------|--|--|--|--|
| n55 tavolo interfaccia 02 | 110V 50-60Hz  | AS | title24   | dry |                |  |  |  |  |
| Vb2.580.01                | argento hacca |    | 350÷700mA | n55 | 4,4kg<br>9.7lb |  |  |  |  |
| Vb2.580.02                | nero55        |    | 350÷700mA | n55 | 4,4kg<br>9.7lb |  |  |  |  |

44/1,7"  
Ø55/2,2"

**propulsore dinamico 55/350e**

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

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

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

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

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

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

Ø55/2.1"  
44/1.7"



### propulsore dinamico 55/350



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

| Ra    | R9      | ies tm-30 |                           | sdcm    | mA  | V <sub>f</sub> (min) | Im   | W   | Im/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<br>0.4lb |
| <b>Vb9.580.51.30</b> | nero55        | 3000K | les19 ● | n55 | 0,2kg<br>0.4lb |
| <b>Vb9.580.52.30</b> | my bianco     | 3000K | les19 ● | n55 | 0,2kg<br>0.4lb |

| Ra    | R9      | ies tm-30 |                           | sdcm    | mA  | V <sub>f</sub> (min) | Im   | W   | Im/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<br>0.4lb |
| <b>Vb9.580.51.30v</b> | nero55        | 3000VbK | les19 ● | n55 | 0,2kg<br>0.4lb |
| <b>Vb9.580.52.30v</b> | my bianco     | 3000VbK | les19 ● | n55 | 0,2kg<br>0.4lb |

| Ra    | R9      | ies tm-30 |                           | sdcm    | mA  | V <sub>f</sub> (min) | Im   | W   | Im/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"  
44/1.7"

**propulsore dinamico 55/500**

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

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

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

| Ra    | R9    | ies tm-30 |         | sdcm                      | 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  |
| 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<br>0.4lb |
| <b>Vb9.580.63.30v</b> | nero55        | 3000VbK | les19 | ● | n55 | 0,2kg<br>0.4lb |
| <b>Vb9.580.64.30v</b> | my bianco     | 3000VbK | les19 | ● | n55 | 0,2kg<br>0.4lb |

| Ra    | R9    | ies tm-30 |         | sdcm                      | mA      | V <sub>f</sub> (min) | lm   | W    | lm/W |
|-------|-------|-----------|---------|---------------------------|---------|----------------------|------|------|------|
| 98    | 98    | Rf 93     | Rg 106  | step 1                    | 500     | 27,9                 | 1580 | 14,0 | 113  |
| xm007 | les19 | ●         | Ta25 °C | vita media · average life | 70000 h | L80                  | B10  |      |      |


**propulsore dinamico 55/500**


|                       |               |       |        |     |                |
|-----------------------|---------------|-------|--------|-----|----------------|
| <b>Vb9.580.101.27</b> | argento hacca | 2700K | les9 ● | n55 | 0,2kg<br>0.4lb |
| <b>Vb9.580.102.27</b> | nero55        | 2700K | les9 ● | n55 | 0,2kg<br>0.4lb |
| <b>Vb9.580.103.27</b> | my bianco     | 2700K | les9 ● | n55 | 0,2kg<br>0.4lb |

| Ra    | R9     | ies tm-30 |                           | sdcn    | mA  | V <sub>f</sub> (min) | Im  | W    | Im/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<br>0.4lb |
| <b>Vb9.580.102.30</b> | nero55        | 3000K | les9 ● | n55 | 0,2kg<br>0.4lb |
| <b>Vb9.580.103.30</b> | my bianco     | 3000K | les9 ● | n55 | 0,2kg<br>0.4lb |

| Ra    | R9     | ies tm-30 |                           | sdcn    | mA  | V <sub>f</sub> (min) | Im  | W    | Im/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<br>0.4lb |
| <b>Vb9.580.102.30v</b> | nero55        | 3000VbK | les9 ● | n55 | 0,2kg<br>0.4lb |
| <b>Vb9.580.103.30v</b> | my bianco     | 3000VbK | les9 ● | n55 | 0,2kg<br>0.4lb |

| Ra    | R9     | ies tm-30 |                           | sdcn    | mA  | V <sub>f</sub> (min) | Im  | W    | Im/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 65/500e**


|                       |               |       |       |     |                |
|-----------------------|---------------|-------|-------|-----|----------------|
| <b>Vb9.580.154.27</b> | argento hacca | 2700K | les19 | n55 | 0,3kg<br>0,7lb |
| <b>Vb9.580.155.27</b> | nero55        | 2700K | les19 | n55 | 0,3kg<br>0,7lb |
| <b>Vb9.580.156.27</b> | my bianco     | 2700K | les19 | n55 | 0,3kg<br>0,7lb |

| Ra    | R9    | ies tm-30 |                           | sdcn    | 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                  |      |      |      |

|                       |               |       |       |     |                |
|-----------------------|---------------|-------|-------|-----|----------------|
| <b>Vb9.580.154.30</b> | argento hacca | 3000K | les19 | n55 | 0,3kg<br>0,7lb |
| <b>Vb9.580.155.30</b> | nero55        | 3000K | les19 | n55 | 0,3kg<br>0,7lb |
| <b>Vb9.580.156.30</b> | my bianco     | 3000K | les19 | n55 | 0,3kg<br>0,7lb |

| Ra    | R9    | ies tm-30 |                           | sdcn    | 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  |
| 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<br>0,7lb |
| <b>Vb9.580.155.30v</b> | nero55        | 3000VbK | les19 | n55 | 0,3kg<br>0,7lb |
| <b>Vb9.580.156.30v</b> | my bianco     | 3000VbK | les19 | n55 | 0,3kg<br>0,7lb |

| Ra    | R9    | ies tm-30 |                           | sdcn    | mA  | V <sub>f</sub> [min] | lm   | W    | lm/W |
|-------|-------|-----------|---------------------------|---------|-----|----------------------|------|------|------|
| 98    | 98    | Rf 93     | Rg 106                    | step 1  | 500 | 27,9                 | 1580 | 14,0 | 113  |
| xm007 | les19 | Ta25 °C   | vita media · average life | 70000 h | L80 | B10                  |      |      |      |


**propulsore dinamico 65/500e**


|                       |               |       |       |   |     |                |
|-----------------------|---------------|-------|-------|---|-----|----------------|
| <b>Vb9.580.154.27</b> | argento hacca | 2700K | les19 | ● | n55 | 0,3kg<br>0.7lb |
| <b>Vb9.580.155.27</b> | nero55        | 2700K | les19 | ● | n55 | 0,3kg<br>0.7lb |
| <b>Vb9.580.156.27</b> | my bianco     | 2700K | les19 | ● | n55 | 0,3kg<br>0.7lb |

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

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

| Ra    | R9    | ies tm-30 |         | sdcm                      | 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  |
| xm001 | les19 | ●         | Ta25 °C | vita media · average life | 70000 h | L80                  | B10  |      |      |

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

| Ra    | R9    | ies tm-30 |         | sdcm                      | mA      | V <sub>f</sub> (min) | lm   | W    | lm/W |
|-------|-------|-----------|---------|---------------------------|---------|----------------------|------|------|------|
| 98    | 98    | Rf 93     | Rg 106  | step 1                    | 500     | 27,9                 | 1580 | 14,0 | 113  |
| xm007 | les19 | ●         | Ta25 °C | vita media · average life | 70000 h | L80                  | B10  |      |      |


**propulsore dinamico 65/700**

|                       |               |       |        |     |                |
|-----------------------|---------------|-------|--------|-----|----------------|
| <b>Vb9.580.106.27</b> | argento hacca | 2700K | les9 ● | n55 | 0,3kg<br>0.7lb |
| <b>Vb9.580.107.27</b> | nero55        | 2700K | les9 ● | n55 | 0,3kg<br>0.7lb |
| <b>Vb9.580.108.27</b> | my bianco     | 2700K | les9 ● | n55 | 0,3kg<br>0.7lb |

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

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

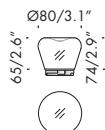
| Ra    | R9     | ies tm-30 |                           | sdcn    | mA  | V <sub>f</sub> (min) | lm   | W    | lm/W |
|-------|--------|-----------|---------------------------|---------|-----|----------------------|------|------|------|
| 98    | 98     | Rf 96     | Rg 103                    | step 1  | 700 | 27,9                 | 1110 | 19,5 | 57   |
| xe001 | les9 ● | Ta25 °C   | vita media · average life | 70000 h | L80 | B10                  |      |      |      |

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

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

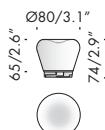


marionanni



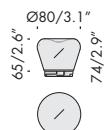
**Vb9.580.01.t** hm01 trasparente · transparent

n55 0,5kg  
1.1lb



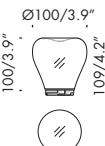
**Vb9.580.01.s** hm01 sabbiata · sanded

n55 0,5kg  
1.1lb



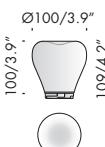
**Vb9.580.01.b** hm01 bianco latte · milk white

n55 0,5kg  
1.1lb



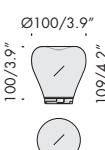
**Vb9.580.02.t** hm02 trasparente · transparent

n55 0,1kg  
0.2lb



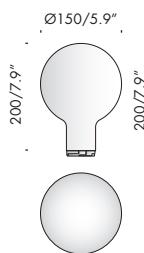
**Vb9.580.02.s** hm02 sabbiata · sanded

n55 0,1kg  
0.2lb



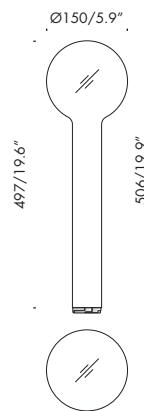
**Vb9.580.02.b** hm02 bianco latte · milk white

n55 0,1kg  
0.2lb



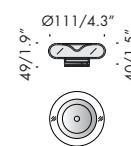
**Vb9.580.03.s** mn01 sabbiato · sanded

n55 0,3kg  
0.7lb



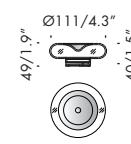
**Vb9.580.04.t** mn02 trasparente · transparent

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



Ø55/2.2"  
77/3"  
86/3.4"

david chipperfield

Vb9.580.05.s dc01 sabbiato · sanded

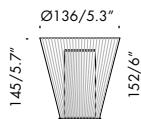
n55 0,1kg  
0.2lb



Ø55/2.2"  
297/11.7"  
306/12"

Vb9.580.06.s dc02 sabbiato · sanded

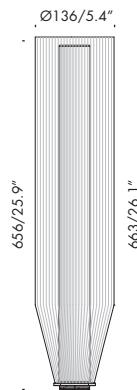
n55 0,3kg  
0.7lb



**Vb9.580.19.tr**

dc03 trasparente, rigato  
transparent, striped

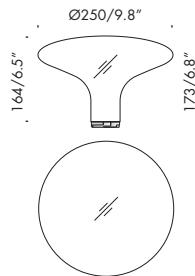
n55 0,7kg  
1.5lb



**Vb9.580.20.tr**

dc04 trasparente, rigato e sabbiato  
transparent, striped and sanded

n55 0,3kg  
0.7lb

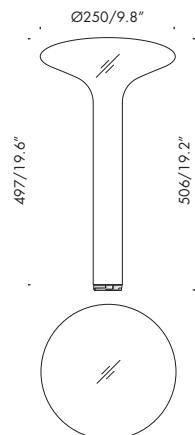


peter zumthor



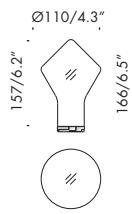
**Vb9.580.08.t** pz01 trasparente · transparent

n55 0,3kg  
0.7lb



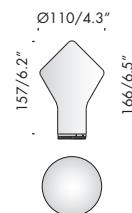
**Vb9.580.10.t** pz02 trasparente · transparent

n55 0,6kg  
1.3lb



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

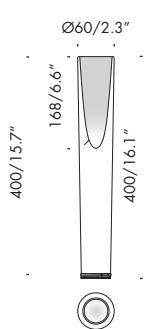
n55 0,2kg  
0.4lb



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

n55 0,2kg  
0.4lb

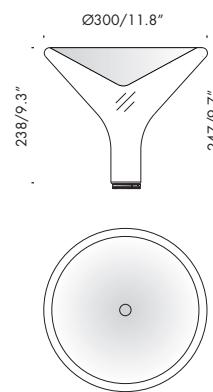




**domenico de palo**

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

n55 0,05kg  
0.11lb

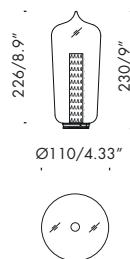


**gio tiroto**

**Vb9.580.17.t** gt01 trasparente, sabbiato  
transparent, sanded

n55 1kg  
2.2lb

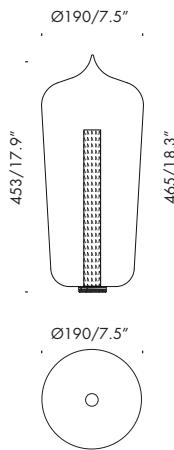




marcio kogan

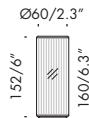
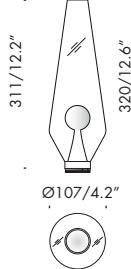
**Vb9.580.111.t** mk01 trasparente · transparent

n55 0,4kg  
0.8lb



**Vb9.580.112.t** mk02 trasparente · transparent

n55 1,8kg  
4lb

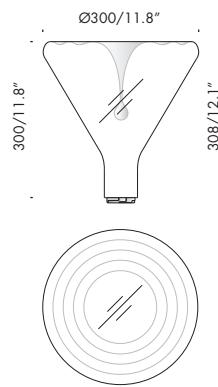
**al-jawad pike****Vb9.580.18.tr**aip01 trasparente, rigato  
transparent, stripedn55    0,2kg  
0.4lb**tzach cohen****Vb9.580.180.ts**tc01 trasparente, sabbioso  
transparent, sandedn55    0,4kg  
0.8lb



kengo kuma

Vb9.580.07.c kk01 cristallo · crystal

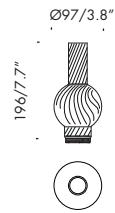
n55 0,3kg  
0.7lb



max lam

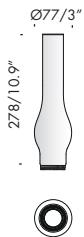
Vb9.580.13.t ml01 trasparente · transparent

n55 1,4kg  
3.1lb



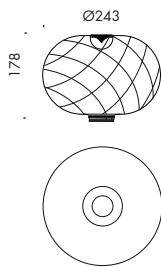
**Vb9.580.175.t** ms02 trasparente · transparent

n55 0,3kg  
0.7lb



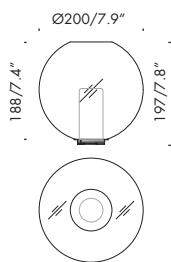
**Vb9.580.176.t** ms03 trasparente · transparent

n55 0,3kg  
0.7lb



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

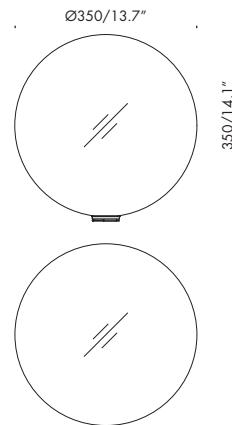
n55 0,3kg  
0.7lb



oma

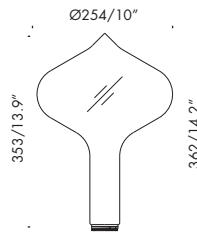
**Vb9.580.14.t** oma02 trasparente · transparent

n55 0,4kg  
0.8lb



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

n55 1,4kg  
3.1lb

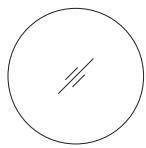


rdai

Vb9.580.12.t

rdai01 trasparente · transparent

n55 0,6kg  
1.3lb

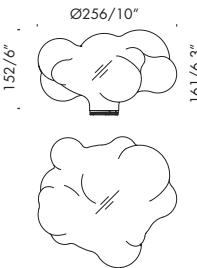


winy maas

Vb9.580.09.t

wm01 trasparente · transparent

n55 0,6kg  
1.3lb





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<br>0.2lb |
| <b>Vb9.580.22</b>   | nero55        | 87° les19  | n55 | 0,1kg<br>0.2lb |
| <b>Vb9.580.22.b</b> | my bianco     | 87° les19  | n55 | 0,1kg<br>0.2lb |



### spot55x37

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



### spot55x61

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



### accessori spot55. accessories.

| <b>Vb9.580.91</b> | frangiluce nido d'ape · honeycomb louvre |  | 0,01kg<br>0.02lb |
|-------------------|--|--|------------------|
| <b>Vb9.580.92</b> | lente ellittica · elliptical lens        |  | 0,04kg<br>0.09lb |



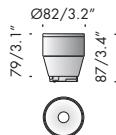


Ø82/3.2"  
35/1.4"  
43/1.7"

### spot82x35

④ 🔍

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


**spot82x79**

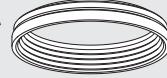
|                     |               |             |     |                |
|---------------------|---------------|-------------|-----|----------------|
| <b>Vb9.580.31</b>   | argento hacca | 23° les19 ● | n55 | 0,2kg<br>0.4lb |
| <b>Vb9.580.32</b>   | nero55        | 23° les19 ● | n55 | 0,2kg<br>0.4lb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



spot82



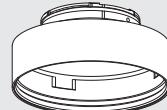
Vb9.580.165

porta accessorio  
accessory holdertrappola di luce  
light trap

Ø75/2.9" 4/0.7"

**accessori spot82. accessories.**

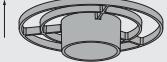
|                    |  |                  |
|--------------------|--|------------------|
| <b>Vb9.580.86</b>  | frangiluce nido d'ape · honeycomb louvre | 0,01kg<br>0.02lb |
| <b>Vb9.580.87</b>  | lente ellittica · elliptical lens        | 0,05kg<br>0.11lb |
| <b>Vb9.580.88</b>  | vetro albarino · albarino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



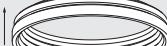
spot82

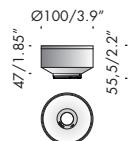


Vb9.580.88

porta accessorio  
accessory holder

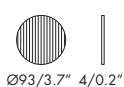
Vb9.580.165

trappola di luce  
light trap16/0.6"  
Ø74,5/2.9"



### spot100

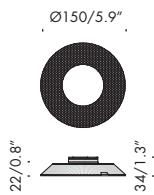
|                     |               |                        |     |                |
|---------------------|---------------|------------------------|-----|----------------|
| <b>Vb9.580.37</b>   | argento hacca | 10° les9 ● 16° les19 ● | n55 | 0,1kg<br>0.2lb |
| <b>Vb9.580.38</b>   | nero55      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



### accessori spot100. accessories.

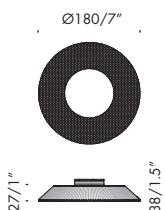
|                   |  |                  |
|-------------------|--|------------------|
| <b>Vb9.580.93</b> | frangiluce nido d'ape · honeycomb louvre | 0,1kg<br>0.2lb   |
| <b>Vb9.580.94</b> | lente ellittica · elliptical lens        | 0,05kg<br>0.11lb |





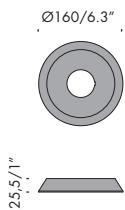
#### **lensoptica amP150**

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



#### **lensoptica amP180**

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



#### **riflettore in metallo 150**

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



#### **riflettore in metallo 180**

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

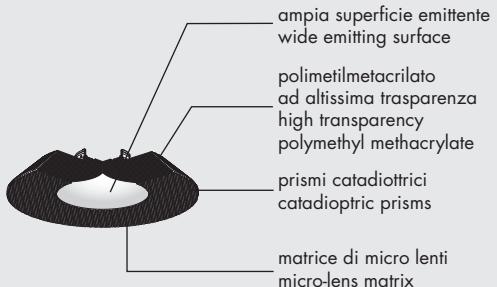


propulsore dinamico n55

riflettore in metallo · metal reflector

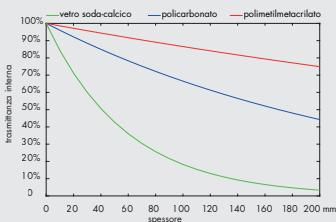


### **lensoptica amp**



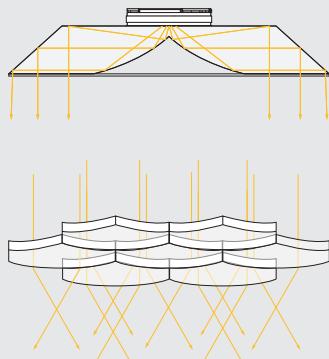
| materiale          | coefficiente d'assorbimento $\alpha$ |
|--------------------|--------------------------------------|
| vetro soda calcico | 0,017 mm <sup>-1</sup>               |
| policarbonato      | 0,004 mm <sup>-1</sup>               |
| polimetilmacrilato | 0,0014 mm <sup>-1</sup>              |

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'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 polimetilmacrilato, per mezzo di prismi catadioptrici 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.

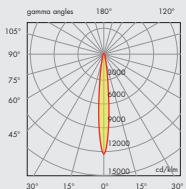
the microlens array precisely regulates the angular amplitude of the light beam.

the large emitter surface limits luminance, ensuring high visual comfort and UGR<19.

**lensoptica amP150**

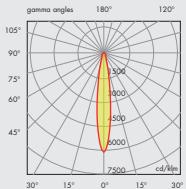
13° les9 ●

fascio stretto · narrow beam

**lensoptica amP180 15°**

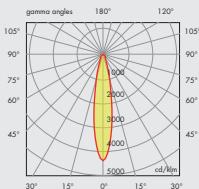
les19 ●

fascio stretto · narrow beam

**lensoptica amP150 22°**

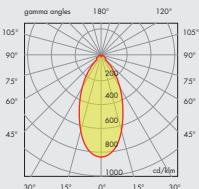
les19 ●

fascio stretto · narrow beam

**lensoptica amP150 51°**

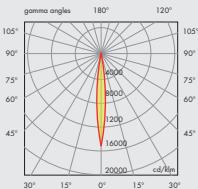
les19 ●

fascio largo · wide beam

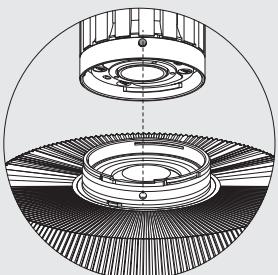
**lensoptica amP180 10°**

les9 ●

fascio stretto · narrow beam

**lensoptica amP**

installazione · mounting



**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

