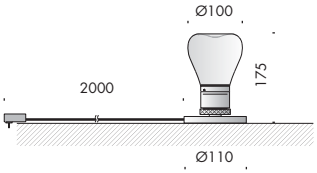
n55® tavolo mario nanni 2014

brevettato · patented

apparecchio di illuminazione da tavolo per interni IP20 realizzato in alluminio ossidato.
modelli:
n55 tavolo 01 con base diametro Ø110mm;
n55 tavolo 02 con base diametro Ø200mm.
compatibile con i seguenti propulsori dinamici n55:
55/350e les19 9,7W 350mA 1240lm,
55/350 les19 9,7W 350mA 1240lm,
55/500 les19 14W 500mA 1580lm,
55/500 les9 13,6W 500mA 800lm,
65/500e les19 14W 500mA 1580lm,
65/700 les19 19,9W 700mA 2140lm,
65/700 les9 19,5W 700mA 1110lm.
tutti i propulsori sono Ra98 1 step macadam con sorgente elettronica 2700K o 3000K.
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 120-240V 50-60Hz fornito con spine eu/uk/usa-Jp/ccc/aus.
l'apposito attacco n55 permette di intercambiare tre tipi di lampadina: classica, decorativa e tecnica.
finiture: argento hacca, nero55. lampadine decorative e classiche con vetro trasparente, sabbiato e bianco latte.

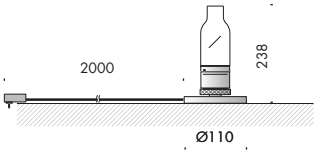
IP20 rated table light fitting for indoor use, made of oxidised aluminium.
versions:
n55 tavolo 01 with diameter Ø110mm base;
n55 tavolo 02 with diameter Ø200mm base.
compatible with the following propulsori dinamici n55:
55/350e les19 9.7W 350mA 1240lm,
55/350 les19 9.7W 350mA 1240lm,
55/500 les19 14W 500mA 1580lm,
55/500 les9 13.6W 500mA 800lm,
65/500e les19 14W 500mA 1580lm,
65/700 les19 19.9W 700mA 2140lm,
65/700 les9 19.5W 700mA 1110lm.
all propellers are Ra98 1 step macadam with 2700K, 3000K 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.
120-240V 50-60Hz power supply with eu/uk/usa - jp/ccc/aus plugs
thanks to the special n55 lamp-holder, it is possible to change three types of light bulbs: standard, decorative and technical.
finishes: argento hacca, nero55. decorative and standard bulbs with transparent, sanded and milk white glass.

n55
la mia
lampadina
Chiara bianca latte o
smerigliata



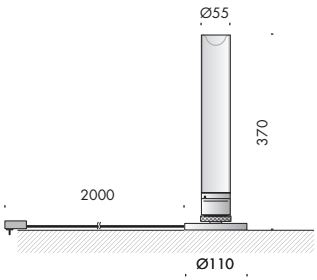
n55 tavolo 01 hm02	120-240V 50-60Hz AS	IP20			
Via.552.0000	argento hacca	sabbiato · sanded	2700K	les19	4
Via.552.0001	nero55	sabbiato · sanded	2700K	les19	4

Ra	R9	ies tm-30		sdcm	mA	$V_{f\,(min)}$	lm	W	lm/W	
98	98	Rf 96	Rg 103	step 1	350	27,6	1240	9,7	128	**A++**
xm000	les19	Ta25 °C		vita media · average life			70000 h		L80	B10



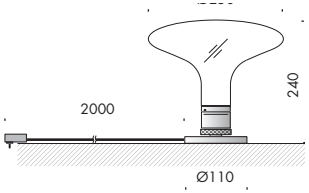
n55 tavolo 01 kk01	120-240V 50-60Hz AS	IP20			
Via.552.0016	argento hacca	cristallo · crystal	2700K	les19	4,2
Via.552.0017	nero55	cristallo · crystal	2700K	les19	4,2

Ra	R9	ies tm-30		sdcm	mA	$V_{f\,(min)}$	lm	W	lm/W	
98	98	Rf 96	Rg 103	step 1	350	27,6	1240	9,7	128	**A++**
xm000	les19	Ta25 °C		vita media · average life			70000 h		L80	B10



n55 tavolo 01 dc02	120-240V 50-60Hz AS	IP20			
Via.552.0004	argento hacca	sabbiato · sanded	2700K	les19	4,2
Via.552.0005	nero55	sabbiato · sanded	2700K	les19	4,2

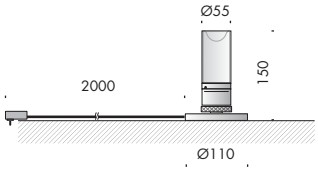
Ra	R9	ies tm-30		sdcm	mA	$V_{f\,(min)}$	lm	W	lm/W	
98	98	Rf 96	Rg 103	step 1	350	27,6	1240	9,7	128	**A++**
xm000	les19	Ta25 °C		vita media · average life			70000 h		L80	B10



n55 tavolo 01 pz01 120-240V 50-60Hz AS IP20 Pr

Via.552.0008	argento hacca	trasparente · transparent	2700K	les19 ●	4,8
Via.552.0009	nero55	trasparente · transparent	2700K	les19 ●	4,8

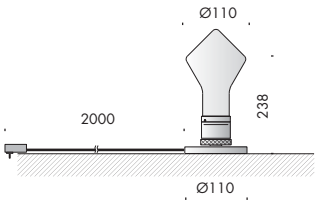
Ra	R9	ies tm-30		sdcm	mA	$V_{f\,(min)}$	lm	W	lm/W	
98	98	Rf 96	Rg 103	step 1	350	27,6	1240	9,7	128	**A++**
xm000	les19 ●	Ta25 °C		vita media · average life		70000 h		L80	B10	



n55 tavolo 01 dc01 120-240V 50-60Hz AS IP20 Pr

Via.552.0012	argento hacca	sabbiato · sanded	2700K	les19 ●	4
Via.552.0013	nero55	sabbiato · sanded	2700K	les19 ●	4

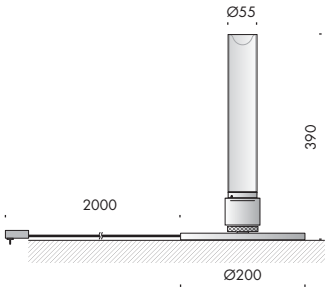
Ra	R9	ies tm-30		sdcm	mA	$V_{f\,(min)}$	lm	W	lm/W	
98	98	Rf 96	Rg 103	step 1	350	27,6	1240	9,7	128	**A++**
xm000	les19 ●	Ta25 °C		vita media · average life		70000 h		L80	B10	



n55 tavolo 01 pz03 120-240V 50-60Hz AS IP20 Pr

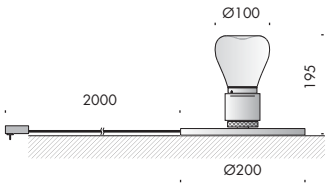
Via.552.0020	argento hacca	sabbiato · sanded	2700K	les19 ●	4,2
Via.552.0021	nero55	sabbiato · sanded	2700K	les19 ●	4,2

Ra	R9	ies tm-30		sdcm	mA	$V_{f\,(min)}$	lm	W	lm/W	
98	98	Rf 96	Rg 103	step 1	350	27,6	1240	9,7	128	**A++**
xm000	les19 ●	Ta25 °C		vita media · average life		70000 h		L80	B10	



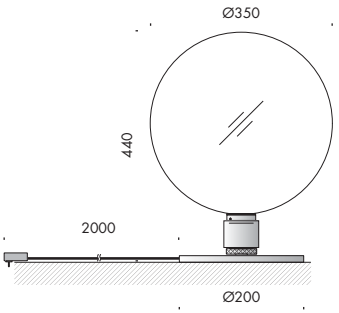
n55 tavolo 02 dc02	120-240V 50-60Hz AS	IP20			
Via.552.0508	argento hacca	sabbiato · sanded	2700K	les19 ●	4,2
Via.552.0509	nero55	sabbiato · sanded	2700K	les19 ●	4,2

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



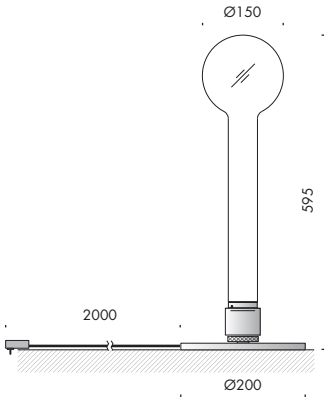
n55 tavolo 02 hm02	120-240V 50-60Hz AS	IP20			
Via.552.0512	argento hacca	sabbiato · sanded	2700K	les19 ●	4
Via.552.0513	nero55	sabbiato · sanded	2700K	les19 ●	4

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



n55 tavolo 02 oma03	120-240V 50-60Hz AS	IP20			
Via.552.0504	argento hacca	trasparente · transparent	2700K	les19 ●	5
Via.552.0505	nero55	trasparente · transparent	2700K	les19 ●	5

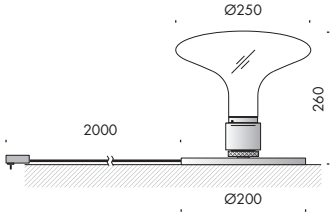
Ra	R9	ies tm-30		sdcm	mA	$V_{f\,(min)}$	lm	W	lm/W	
98	98	Rf 96	Rg 103	step 1	500	27,9	1580	14,0	113	**A+**
xm000	les19 ●	Ta25 °C		vita media · average life			70000 h		L80	B10



n55 tavolo 02 mn02 120-240V 50-60Hz AS IP20 PF CE

Via.552.0516	argento hacca	trasparente · transparent	2700K	les19	5
Via.552.0517	nero55	trasparente · transparent	2700K	les19	5

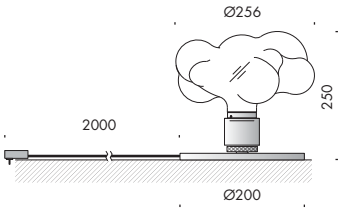
Ra	R9	ies tm-30		sdcm	mA	$V_{f\,(min)}$	lm	W	lm/W	
98	98	Rf 96	Rg 103	step 1	500	27,9	1580	14,0	113	**A+**
xm000	les19	Ta25 °C		vita media · average life			70000 h		L80	B10



n55 tavolo 02 pz01 120-240V 50-60Hz AS IP20 PF CE

Via.552.0520	argento hacca	trasparente · transparent	2700K	les19	4,8
Via.552.0521	nero55	trasparente · transparent	2700K	les19	4,8

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



n55 tavolo 02 wm01 120-240V 50-60Hz AS IP20 PF CE

Via.552.0500	argento hacca	trasparente · transparent	2700K	les19	5
Via.552.0501	nero55	trasparente · transparent	2700K	les19	5

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

lampadine classiche
classic bulbs

lampadine decorative
decorative bulbs

lampadine tecniche
technical bulbs

1. scegli l'interfaccia
choose the interface

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

3. scegli la tua lampadina classica, decorativa e tecnica
choose your classic, decorative and technical bulb

n55 tavolo

n55 tavolo 01
alimentatore a spina
plug-in power supply

n55 tavolo 02
alimentatore a spina
plug-in power supply

propulsore dinamico n55

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

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

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

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

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

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

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

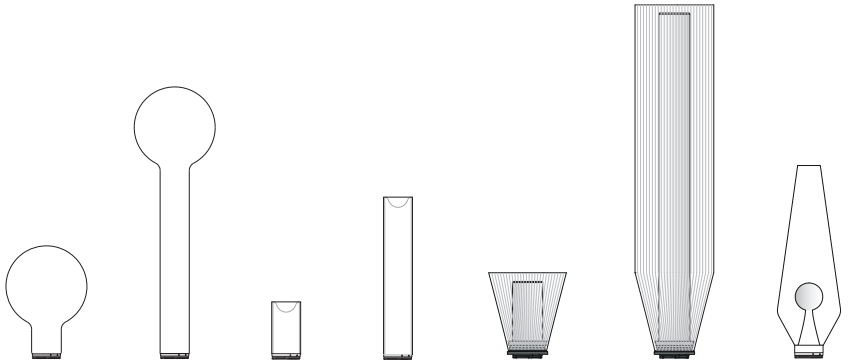
82/1050
les19
1050mA
3000lm
30,5W
98 lm/W
A+

lampadina classica
classic bulb

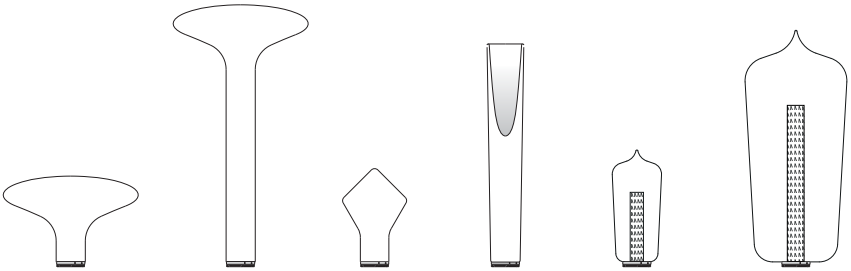
hm01

hm02

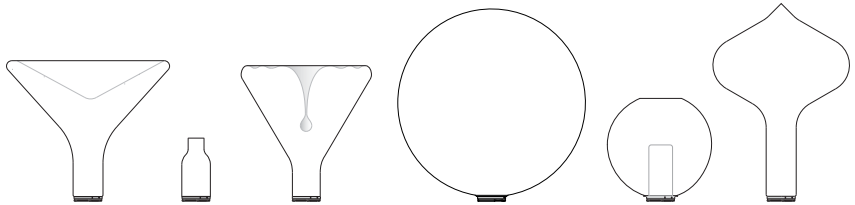
lampadina decorativa
decorative bulb



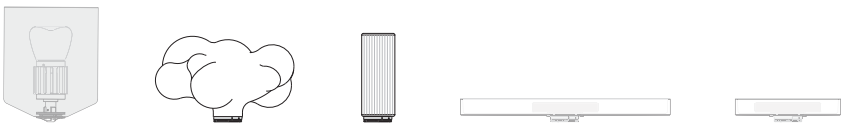
mn01 **mn02** **dc01** **dc02** **dc04** **dc03** **tc01**



pz01 **pz02** **pz03** **ddp01** **mk01** **mk02**



gt01 **kk01** **ml01** **oma03** **oma02** **rdai01**



ll01 **wm01** **ajp01** **nh02** **nh01**

lampadina tecnica
technical bulb

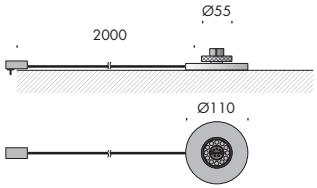
	spot35	**spot55x37**	**spot55x61**
les19	87°	30° 38°	36° 47°
les9		18° 23° 36°	

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

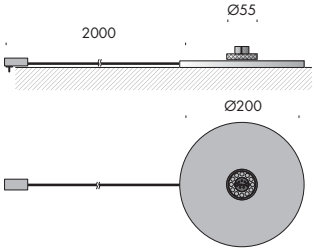
	spot100
les19	16° 25° 40° 54°
les9	10° 22°

	lensoptica amP150
les19	22° 51°
les9	13°

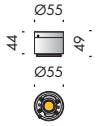
	lensoptica amP180
les19	15° 41° 53° 20°x55°
les9	10°



n55 tavolo 01	110-240V 50-60Hz	AS	IP20	CE
Vb2.580.05	argento hacca	350÷700mA		3,8
Vb2.580.06	nero55	350÷700mA		3,8



n55 tavolo 02	110-240V 50-60Hz	AS	IP20	CE
Vb2.580.01	argento hacca	350÷700mA		4,4
Vb2.580.02	nero55	350÷700mA		4,4



propulsore dinamico 55/350e											
Vb9.580.150.27	argento hacca			2700K			les19 ●			0,2	
Vb9.580.151.27	nero55			2700K			les19 ●			0,2	

Ra	R9	ies tm-30		sdcm	mA	$V_{f\,(min)}$	lm	W	lm/W	
98	98	Rf 96	Rg 103	step 1	350	27,6	1240	9,7	128	**A++**
xm000	les19 ●	Ta25 °C		vita media · average life			70000 h		L80 B10	

Vb9.580.150.30	argento hacca			3000K			les19 ●			0,2	
Vb9.580.151.30	nero55			3000K			les19 ●			0,2	

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

Vb9.580.150.30v	argento hacca			3000VbK			les19 ●			0,2	
Vb9.580.151.30v	nero55			3000VbK			les19 ●			0,2	

Ra	R9	ies tm-30		sdcm	mA	$V_{f\,(min)}$	lm	W	lm/W	
98	98	Rf 93	Rg 106	step 1	350	27,6	1240	9,7	128	**A++**
xm007	les19 ●	Ta25 °C		vita media · average life			70000 h		L80 B10	

propulsore dinamico 55/350 IP20

Vb9.580.50.27	argento hacca	2700K	les19 ●	0,2
Vb9.580.51.27	nero55	2700K	les19 ●	0,2

Ra	R9	ies tm-30		sdcm	mA	$V_{f\,(min)}$	lm	W	lm/W	
98	98	Rf 96	Rg 103	step 1	350	27,6	1240	9,7	128	**A++**
xm000	les19 ●	Ta25 °C	vita media · average life				70000 h		L80	B10

Vb9.580.50.30	argento hacca	3000K	les19 ●	0,2
Vb9.580.51.30	nero55	3000K	les19 ●	0,2

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

Vb9.580.50.30v	argento hacca	3000VbK	les19 ●	0,2
Vb9.580.51.30v	nero55	3000VbK	les19 ●	0,2

Ra	R9	ies tm-30		sdcm	mA	$V_{f\,(min)}$	lm	W	lm/W	
98	98	Rf 93	Rg 106	step 1	350	27,6	1240	9,7	128	**A++**
xm007	les19 ●	Ta25 °C	vita media · average life				70000 h		L80	B10

propulsore dinamico 55/500 IP20

Vb9.580.62.27	argento hacca	2700K	les19	0,2
Vb9.580.63.27	nero55	2700K	les19	0,2

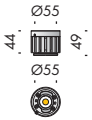
Ra	R9	ies tm-30		sdcm	mA	$V_{f\,(min)}$	lm	W	lm/W	
98	98	Rf 96	Rg 103	step 1	500	27,9	1580	14,0	113	**A+**
xm000	les19	Ta25 °C		vita media · average life			70000 h		L80 B10	

Vb9.580.62.30	argento hacca	3000K	les19	0,2
Vb9.580.63.30	nero55	3000K	les19	0,2

Ra	R9	ies tm-30		sdcm	mA	$V_{f\,(min)}$	lm	W	lm/W	
98	98	Rf 96	Rg 103	step 1	500	27,9	1580	14,0	113	**A+**
xm001	les19	Ta25 °C		vita media · average life			70000 h		L80 B10	

Vb9.580.62.30v	argento hacca	3000VbK	les19	0,2
Vb9.580.63.30v	nero55	3000VbK	les19	0,2

Ra	R9	ies tm-30		sdcm	mA	$V_{f\,(min)}$	lm	W	lm/W	
98	98	Rf 93	Rg 106	step 1	500	27,9	1580	14,0	113	**A+**
xm007	les19	Ta25 °C		vita media · average life			70000 h		L80 B10	



propulsore dinamico 55/500 IP20

Vb9.580.101.27	argento hacca	2700K	les9 ●	0,2
Vb9.580.102.27	nero55	2700K	les9 ●	0,2

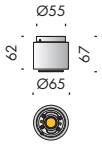
Ra	R9	ies tm-30		sdcm	mA	$V_{f\,(min)}$	lm	W	lm/W	
98	98	Rf 96	Rg 103	step 1	500	27,1	800	13,6	59	**A**
xe000	les9 ●	Ta25 °C		vita media · average life			70000 h		L80	B10

Vb9.580.101.30	argento hacca	3000K	les9 ●	0,2
Vb9.580.102.30	nero55	3000K	les9 ●	0,2

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

Vb9.580.101.30v	argento hacca	3000VbK	les9 ●	0,2
Vb9.580.102.30v	nero55	3000VbK	les9 ●	0,2

Ra	R9	ies tm-30		sdcm	mA	$V_{f\,(min)}$	lm	W	lm/W	
98	98	Rf 93	Rg 106	step 1	500	27,1	800	13,6	59	**A**
xe007	les9 ●	Ta25 °C		vita media · average life			70000 h		L80	B10



propulsore dinamico 65/500e IP20

Vb9.580.154.27	argento hacca	2700K	les19 ●	0,3
Vb9.580.155.27	nero55	2700K	les19 ●	0,3

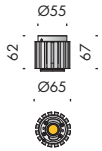
Ra	R9	ies tm-30		sdcm	mA	$V_{f\,(min)}$	lm	W	lm/W	
98	98	Rf 96	Rg 103	step 1	500	27,9	1580	14,0	113	**A+**
xm000	les19 ●	Ta25 °C		vita media · average life			70000 h		L80	B10

Vb9.580.154.30	argento hacca	3000K	les19 ●	0,3
Vb9.580.155.30	nero55	3000K	les19 ●	0,3

Ra	R9	ies tm-30		sdcm	mA	$V_{f\,(min)}$	lm	W	lm/W	
98	98	Rf 96	Rg 103	step 1	500	27,9	1580	14,0	113	**A+**
xm001	les19 ●	Ta25 °C		vita media · average life			70000 h		L80	B10

Vb9.580.154.30v	argento hacca	3000VbK	les19 ●	0,3
Vb9.580.155.30v	nero55	3000VbK	les19 ●	0,3

Ra	R9	ies tm-30		sdcm	mA	$V_{f\,(min)}$	lm	W	lm/W	
98	98	Rf 93	Rg 106	step 1	500	27,9	1580	14,0	113	**A+**
xm007	les19 ●	Ta25 °C		vita media · average life			70000 h		L80	B10



propulsore dinamico 65/700 IP20

Vb9.580.54.27	argento hacca	2700K	les19 ●	0,3
Vb9.580.55.27	nero55	2700K	les19 ●	0,3

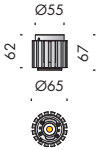
Ra	R9	ies tm-30		sdcm	mA	$V_{f\,(min)}$	lm	W	lm/W	
98	98	Rf 96	Rg 103	step 1	700	28,4	2140	19,9	108	**A+**
xm000	les19 ●	Ta25 °C		vita media · average life			70000 h		L80	B10

Vb9.580.54.30	argento hacca	3000K	les19 ●	0,3
Vb9.580.55.30	nero55	3000K	les19 ●	0,3

Ra	R9	ies tm-30		sdcm	mA	$V_{f\,(min)}$	lm	W	lm/W	
98	98	Rf 96	Rg 103	step 1	700	28,4	2140	19,9	108	**A+**
xm001	les19 ●	Ta25 °C		vita media · average life			70000 h		L80	B10

Vb9.580.54.30v	argento hacca	3000VbK	les19 ●	0,3
Vb9.580.55.30v	nero55	3000VbK	les19 ●	0,3

Ra	R9	ies tm-30		sdcm	mA	$V_{f\,(min)}$	lm	W	lm/W	
98	98	Rf 93	Rg 106	step 1	700	28,4	2140	19,9	108	**A+**
xm007	les19 ●	Ta25 °C		vita media · average life			70000 h		L80	B10



Vb9.580.106.27	argento hacca	2700K	les9 ●	0,3
Vb9.580.107.27	nero55	2700K	les9 ●	0,3

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

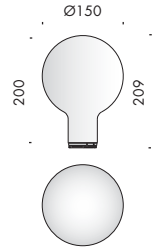
Vb9.580.106.30	argento hacca	3000K	les9 ●	0,3
Vb9.580.107.30	nero55	3000K	les9 ●	0,3

Ra	R9	ies tm-30		sdcm	mA	$V_{f\,(min)}$	lm	W	lm/W	
98	98	Rf 96	Rg 103	step 1	700	27,9	1110	19,5	57	**A**
xe001	les9 ●	Ta25 °C		vita media · average life			70000 h		L80	B10

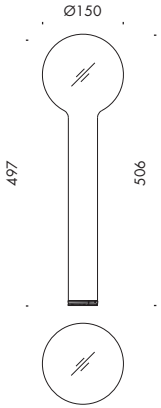
Vb9.580.106.30v	argento hacca	3000VbK	les9 ●	0,3
Vb9.580.107.30v	nero55	3000VbK	les9 ●	0,3

Ra	R9	ies tm-30		sdcm	mA	$V_{f\,(min)}$	lm	W	lm/W	
98	98	Rf 93	Rg 106	step 1	700	27,9	1110	19,5	57	**A**
xe007	les9 ●	Ta25 °C		vita media · average life			70000 h		L80	B10

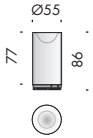
mario nanni		
Vb9.580.01.t	hm01 trasparente · transparent	0,05
Vb9.580.01.s	hm01 sabbiata · sanded	0,05
Vb9.580.01.b	hm01 bianco latte · milk white	0,05
Vb9.580.02.t	hm02 trasparente · transparent	0,1
Vb9.580.02.s	hm02 sabbiata · sanded	0,1
Vb9.580.02.b	hm02 bianco latte · milk white	0,1



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

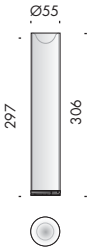


Vb9.580.04.t mn02 trasparente · transparent 0,5

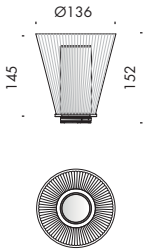


david chipperfield

Vb9.580.05.s	dc01 sabbiato · sanded	0,1

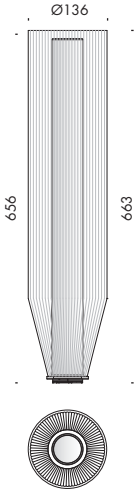


Vb9.580.06.s	dc02 sabbiato · sanded	0,3

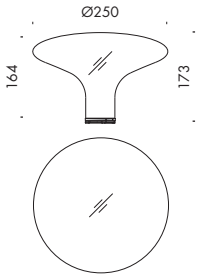


david chipperfield

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

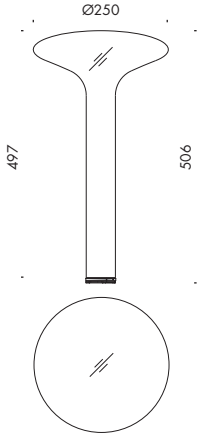


Vb9.580.19.tr dc03 trasparente, rigato
transparent, striped — 0,7

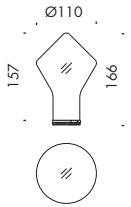


peter zumthor

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

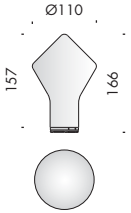


Vb9.580.10.t	pz02 trasparente · transparent	0,6

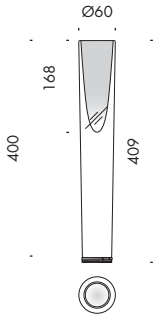


peter zumthor

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

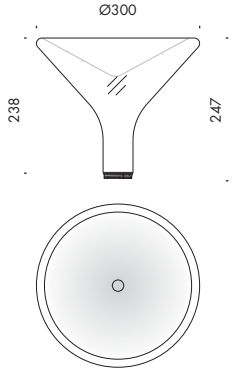


Vb9.580.11.s pz03 sabbiato · sanded 0,2



domenico de palo ☆ CE

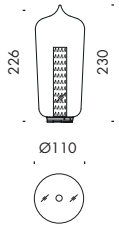
Vb9.580.114.t ddp01 trasparente,sabbiato · transparent, sanded 0,5



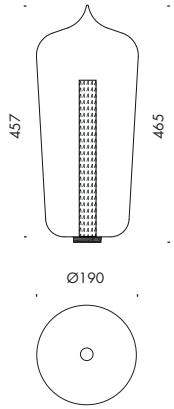
gio tirotto ☆ CE

Vb9.580.17.t gt01 trasparente · transparent 1

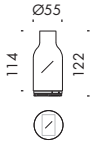
marcio kogan



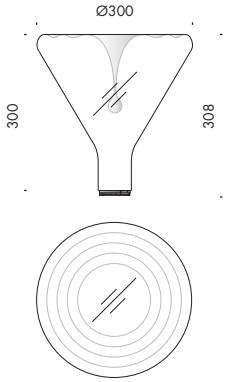
Vb9.580.111.t mk01 trasparente · transparent 0,4



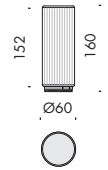
Vb9.580.112.t mk02 trasparente · transparent 1,8



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

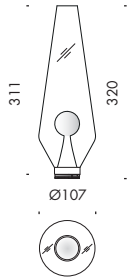


max lam		☆ CE
Vb9.580.13.t	ml01 trasparente · transparent	1,4



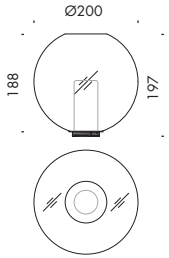
al-jawad pike ☆ CE

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



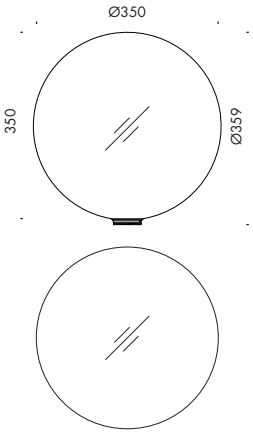
tzach cohen ☆ CE

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

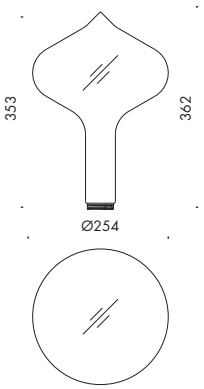


oma

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

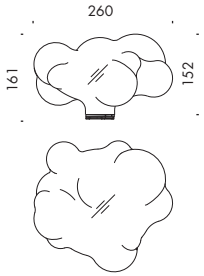


Vb9.580.15.t	oma03 trasparente · transparent	1,4



rdai

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

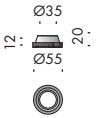


winy maas

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

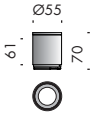
accessori per lampadina trasparente. transparent bulb accessories.

Vb9.580.160	trappola di luce antiabbagliamento nero anti-glare black light trap	0,03



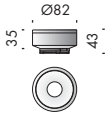
spot35				
Vb9.580.21	argento hacca		87° les19 ●	0,1
Vb9.580.22	nero55		87° les19 ●	0,1

spot55x37				
Vb9.580.121	argento hacca	18° les9 ●		0,1
Vb9.580.122	nero55	18° les9 ●		0,1
Vb9.580.123	argento hacca	23° les9 ●	30° les19 ●	0,1
Vb9.580.124	nero55	23° les9 ●	30° les19 ●	0,1
Vb9.580.125	argento hacca	36° les9 ●	38° les19 ●	0,1
Vb9.580.126	nero55	36° les9 ●	38° les19 ●	0,1

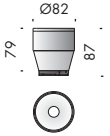


spot55x61				
Vb9.580.25	argento hacca		36° les19 ●	0,2
Vb9.580.26	nero55		36° les19 ●	0,2
Vb9.580.27	argento hacca		47° les19 ●	0,2
Vb9.580.28	nero55		47° les19 ●	0,2

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

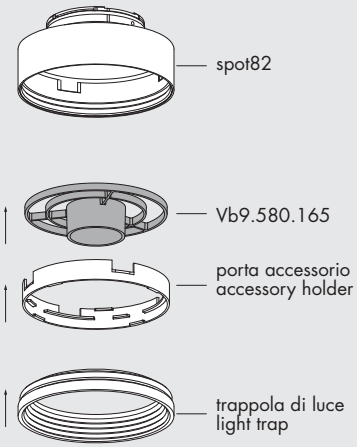


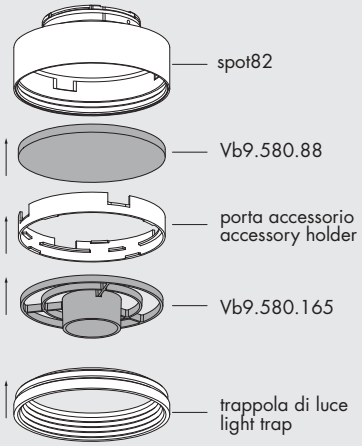
spot82x35				
Vb9.580.131	argento hacca	13° les9 ●		0,1
Vb9.580.132	nero55	13° les9 ●		0,1
Vb9.580.133	argento hacca	19° les9 ●		0,1
Vb9.580.134	nero55	19° les9 ●		0,1
Vb9.580.135	argento hacca	23° les9 ●	31° les19 ●	0,1
Vb9.580.136	nero55	23° les9 ●	31° les19 ●	0,1
Vb9.580.139	argento hacca	35° les9 ●	42° les19 ●	0,1
Vb9.580.140	nero55	35° les9 ●	42° les19 ●	0,1

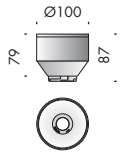


spot82x79			
Vb9.580.31	argento hacca	23° les19 ●	0,2
Vb9.580.32	nero55	23° les19 ●	0,2
Vb9.580.33	argento hacca	37° les19 ●	0,2
Vb9.580.34	nero55	37° les19 ●	0,2
Vb9.580.35	argento hacca	46° les19 ●	0,2
Vb9.580.36	nero55	46° les19 ●	0,2

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

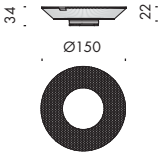




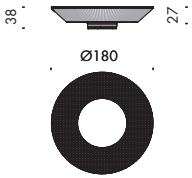


spot100				
Vb9.580.37	argento hacca	10° les9	16° les19	0,1
Vb9.580.38	nero55	10° les9	16° les19	0,1
Vb9.580.39	argento hacca	22° les9	25° les19	0,1
Vb9.580.40	nero55	22° les9	25° les19	0,1
Vb9.580.41	argento hacca		40° les19	0,1
Vb9.580.42	nero55		40° les19	0,1
Vb9.580.43	argento hacca		54° les19	0,1
Vb9.580.44	nero55		54° les19	0,1

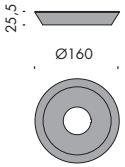
accessori spot100. accessories.		
Vb9.580.93	frangiluce nido d'ape · honeycomb louvre	0,01
Vb9.580.94	lente ellittica · elliptical lens	0,05



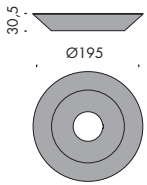
lensoptica amP150				
Vb9.518.91	fascio stretto · narrow beam	13° 22°	les9 ● les19 ●	0,3
Vb9.518.92	fascio largo · wide beam	51°	les19 ●	0,3



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

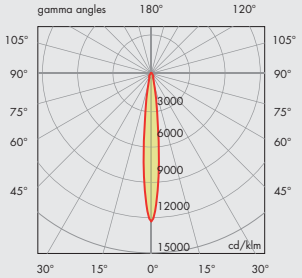


riflettore in metallo 150		
Vb9.518.95.n	nero55	0,1
Vb9.518.95.h	argento hacca	0,1

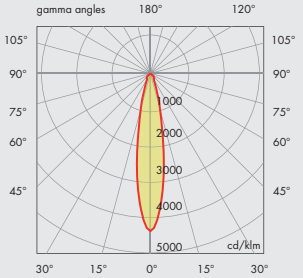


riflettore in metallo 180		
Vb9.518.96.n	nero55	0,1
Vb9.518.96.h	argento hacca	0,1

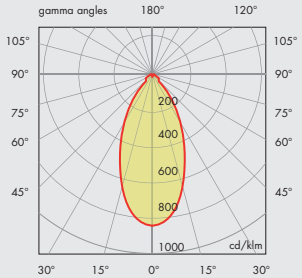
lensoptica amP150 13° les9
fascio stretto · narrow beam



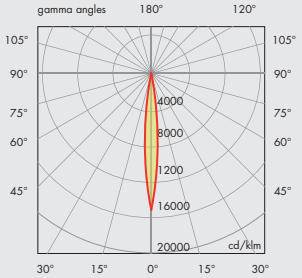
lensoptica amP150 22° les19
fascio stretto · narrow beam



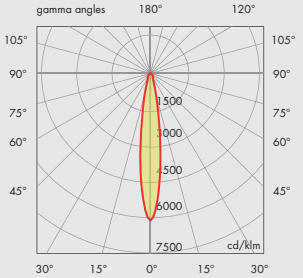
lensoptica amP150 51° les19
fascio largo · wide beam



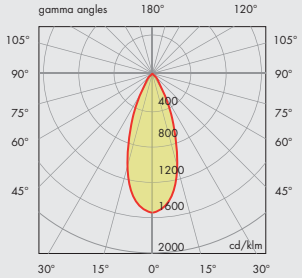
lensoptica amP180 10° les9
fascio stretto · narrow beam



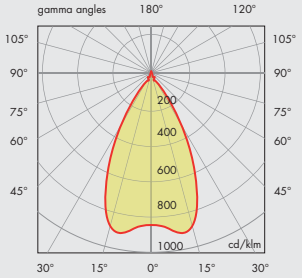
lensoptica amP180 15° les19
fascio stretto · narrow beam



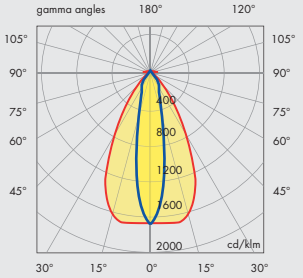
lensoptica amP180 41° les19
fascio medio · medium beam



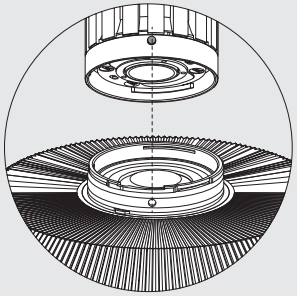
lensoptica amP180 53° les19
fascio largo · wide beam

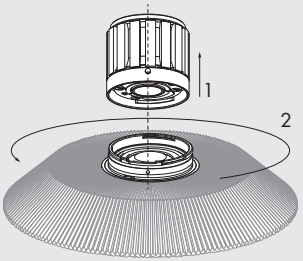


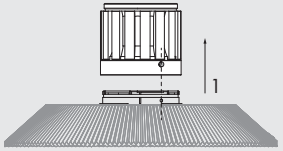
lensoptica amP180 20°x55° les19
fascio ellittico · elliptical beam

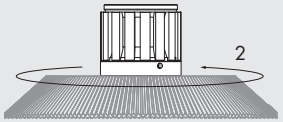


lensoptica amP
installazione · mounting









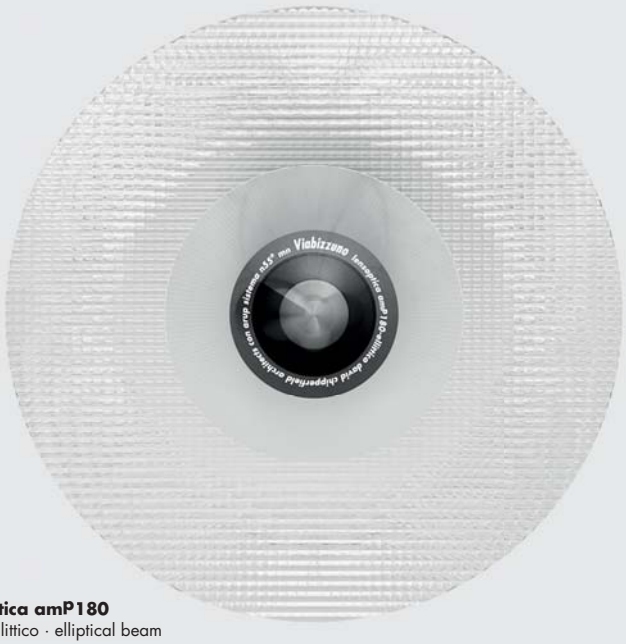
lensoptica amP150
fascio stretto · narrow beam

lensoptica amP150
fascio largo · wide beam

lensoptica amP180
fascio stretto · narrow beam

lensoptica amP180
fascio medio · medium beam

lensoptica amP180
fascio largo · wide beam

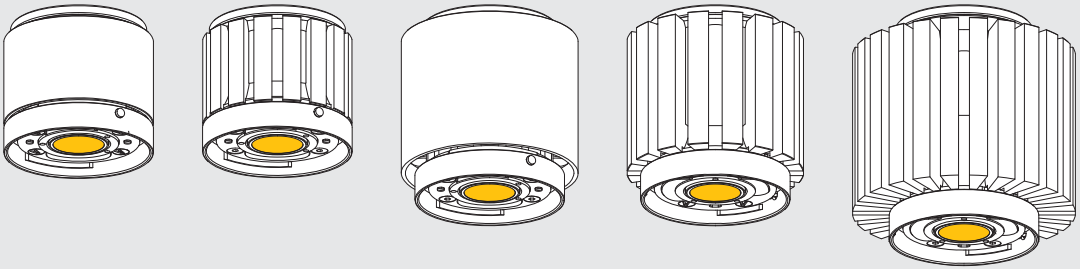


lensoptica amP180
fascio ellittico · elliptical beam

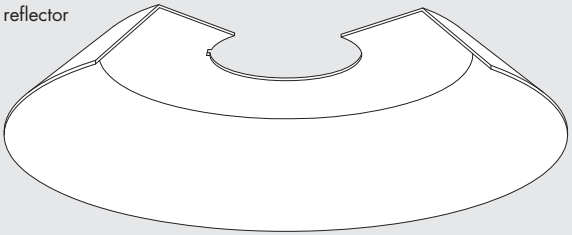
lensoptica amP è il risultato di una ricerca sviluppata da Viabizzuno su progetto david chipperfield architects con lo studio internazionale di ingegneria arup per fornire alle sorgenti luminose elettroniche un'ottica ad alta efficienza in grado di avere sia una luce concentrata che diffusa.
l'alta efficienza 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.

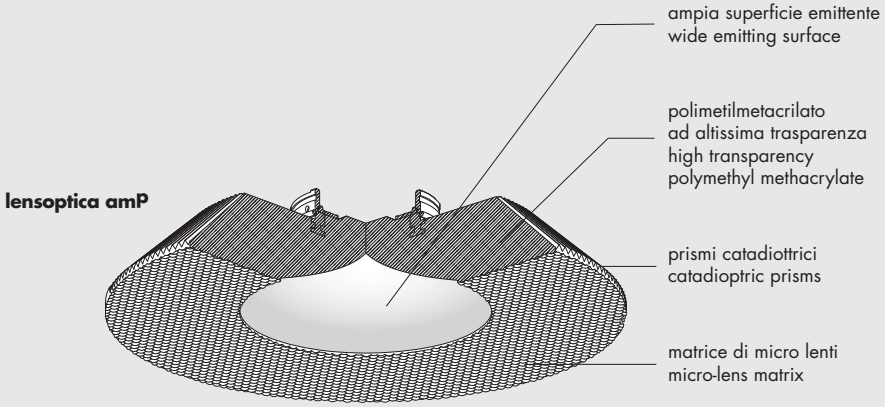
lensoptica amP is the result of a long research and development process made by Viabizzuno on a david chipperfield architects with arup, international engineering studio, design to provide electronic light sources with a high efficiency optics that can have either a focused and a diffuse light.
high 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.

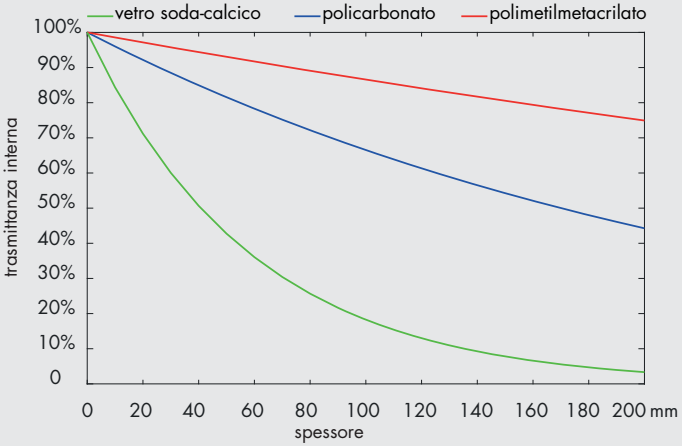
propulsore dinamico n55



riflettore in metallo · metal reflector

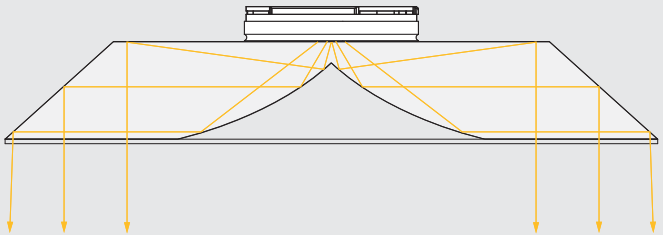




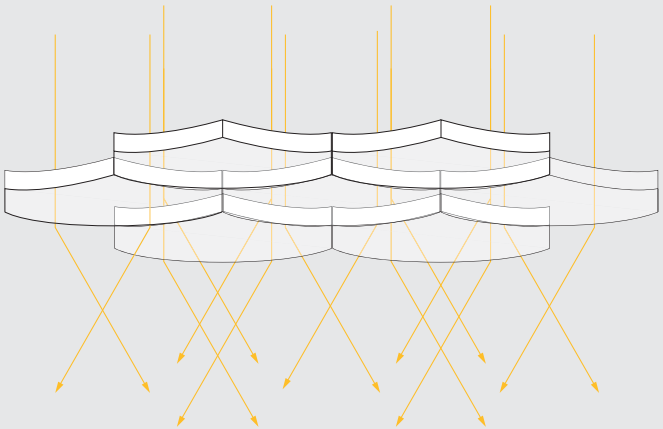


la trasmittanza interna (T) di un materiale trasparente è determinata dallo spessore (x) e dal coefficiente d'assorbimento del materiale stesso (α) secondo la legge di lambert-beer $T_{(x)} = e^{-\alpha x}$
the internal transmittance of a transparent material (T) is determined by the thickness (x) and by the absorbing coefficient of the material itself (α) due to lambert-beer law $T_{(x)} = e^{-\alpha x}$

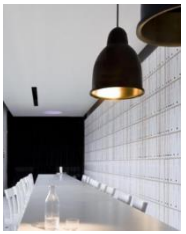
materiale	coefficiente d'assorbimento α
vetro soda calcico	0,017 mm^{-1}
policarbonato	0,004 mm^{-1}
polimetilmetacrilato	0,0014 mm^{-1}

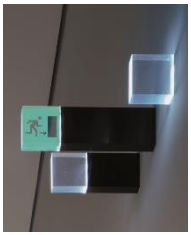


lensoptica amP è allo stesso tempo una lente e un riflettore, perché i raggi di luce subiscono rifrazione e riflessione totale interna. per questa caratteristica tecnica riesce a coniugare alta efficienza e accurato controllo direzionale della luce.
lensoptica amP is both a lens and a reflector at the same time, because the rays of light undergo refraction and total internal reflection. for this technical charactrestic it combines high efficiency and accurate directional control of light.



la superficie emittente di **lensoptica amP** è dotata di una matrice di microlenti.
ogni microlente riceve un fascio collimato e in funzione della curvatura ne allarga l'apertura angolare in modo controllato.
la sovrapposizione dei contributi delle singole microlenti produce una distribuzione d'illuminamento uniforme.
le **lensoptica amP** si suddividono in quattro categorie di apertura angolare del fascio: stretto, medio, largo ed ellittico. il valore esatto dell'angolo dipende dal diametro della sorgente.
lensoptica amP emitter surface is equipped with a microlens array.
each microlens receives a collimated beam and according to its curvature it enlarges the angular opening in a controlled way.
the overlap of the emissions of each microlens creates a uniform distribution of illumination.
lensoptica amP are divided into four categories based on the angular opening of the beam: narrow, medium, wide and elliptical. the exact value of the angle depends on the source diameter.





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