



brevettato · patented



apparecchio di illuminazione a binario per interni IP20, realizzato in alluminio ossidato.

modelli:

**n55 binario orientabile 52x198mm con tige h.30mm,
n55 binario orientabile 52x198mm con tige h.100mm,
n55 binario sospensione 52x198mm con cavo 3330mm,
da abbinare ai 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,
82/1050 les19 30,5W 1050mA 3000lm.**

tutti i propulsori sono Ra98 1 step macadam con sorgente elettronica 2700K, 3000K o 3000Vb K (progettato per il settore alta moda).

l'apposito attacco n55 permette di intercambiare tre tipi di lampadina: classica, decorativa e tecnica. adattatore a binario disponibile con alimentatore 120-240V, dimmerabile con potenziometro integrato, a controllo intelligente che regola automaticamente la corrente al tipo di propulsore oppure con alimentatore dali 240V compatibile solo con binario dali trifase VbB.

finiture: argento hacca con adattatore a binario nero; nero55 con adattatore a binario nero; my bianco con adattatore a binario bianco.

lampadine classiche e decorative con vetro trasparente, sabbiato e bianco latte.

IP20 rated track light fitting for interior use, made of oxidised aluminium.

versions:

**n55 binario adjustable version, 52x198mm with h.30mm rod,
n55 binario adjustable version, 52x198mm with h.100mm rod,
n55 binario suspended version 52x198mm with 3330mm cable,
which can be paired 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,
82/1050 les19 30.5W 1050mA 3000lm.**

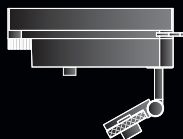
all propellers are Ra98 1 step macadam with 2700K, 3000K or 3000Vb K (designed for high fashion industry) led source.

the specific n55 joint allows to change three types of light bulbs: classic, decorative and technical. track adapter available with 120-240V power supply, dimmable by means of an integrated potentiometer with smart control which automatically provides the suitable current according to the type of propeller or with 240V dali power supply compatible only with binario dali trifase VbB.

finishes: argento hacca with white or black track adapter; nero55 with black track adapter; my bianco with white track adapter.

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





+



+



lampadine decorative
decorative bulbs



lampadine tecniche
technical bulbs




lampadine classiche
classic bulbs

1. scegli l'interfaccia
choose the interface


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

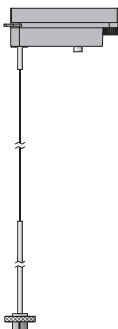
3. scegli la tua lampadina classica, decorativa e tecnica
choose your classic, decorative and technical bulb

n55 binario

n55 binario orientabile 
alimentatore integrato
integrated power supply






n55 binario sospensione 
alimentatore integrato
integrated 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 

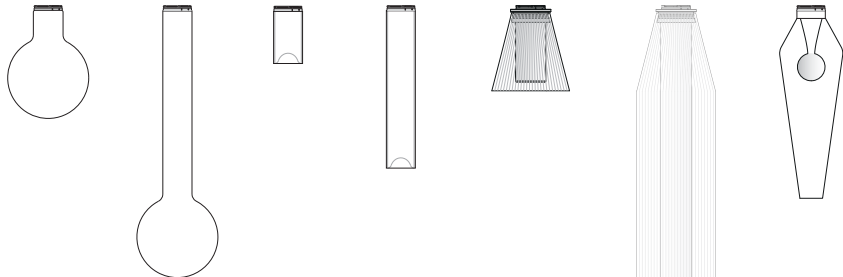


hm02 

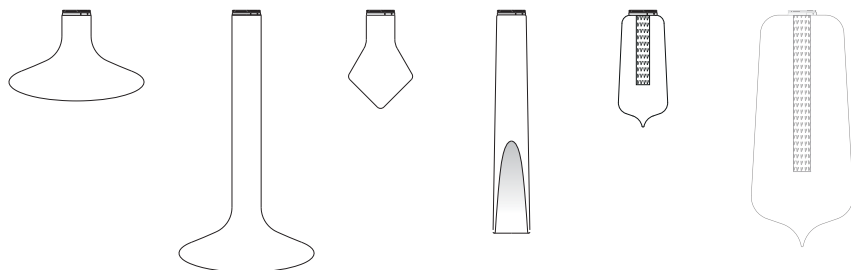


**lampadina decorativa
decorative bulb**

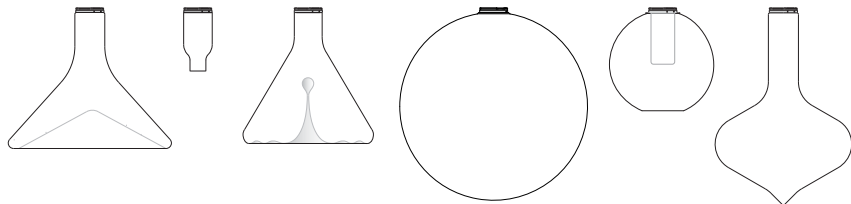
mn01  **mn02**  **dc01**  **dc02**  **dc04**  **dc03**  **tc01** 



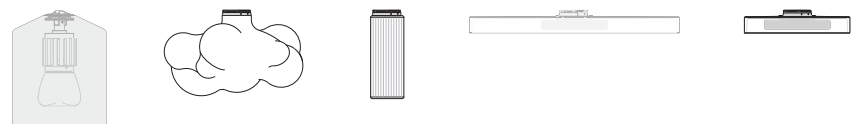
pz01  **pz02**  **pz03**  **ddp01**  **mk01**  **mk02** 






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

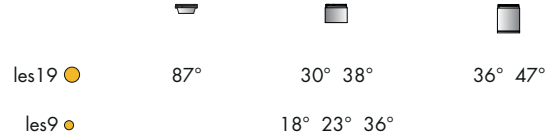


lh01  **wm01**  **ajp01**  **nh02**  **nh01** 

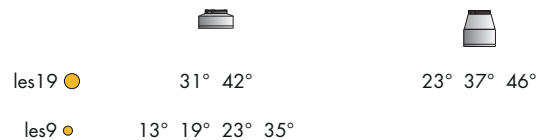



**lampadina tecnica
technical bulb**

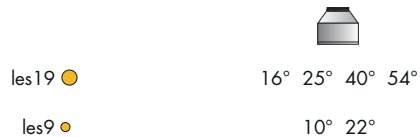
spot35  **spot55x37**  **spot55x61** 



spot82x35  **spot82x79** 



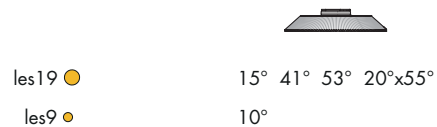
spot100 

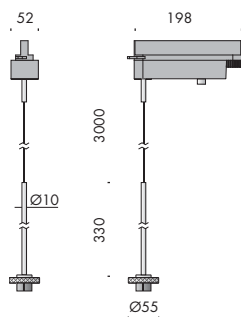
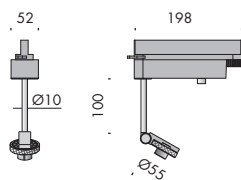
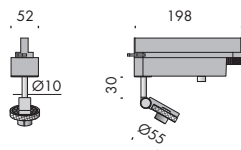


lensoptica amP150 



lensoptica amP180 



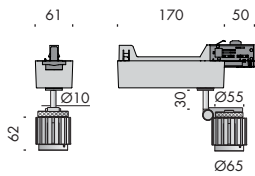


n55 binario orientabile		120-240V 50-60Hz	Ai	⊕ IP20	CE i
Vb7.580.82	argento hacca	adattatore nero	black adapter	0,5	
Vb7.580.83	nero55	adattatore nero	black adapter	0,5	
Vb7.580.84	my bianco	adattatore bianco	white adapter	0,5	

n55 binario orientabile 100		120-240V 50-60Hz	Ai	⊕ IP20	CE i
Vb7.580.02	argento hacca	adattatore nero	black adapter	0,5	
Vb7.580.03	nero55	adattatore nero	black adapter	0,5	
Vb7.580.04	my bianco	adattatore bianco	white adapter	0,5	

n55 binario sospensione		120-240V 50-60Hz	Ai	⊕ IP20	CE i
Vb7.580.12	argento hacca	adattatore nero	black adapter	0,5	
Vb7.580.13	nero55	adattatore nero	black adapter	0,5	
Vb7.580.14	my bianco	adattatore bianco	white adapter	0,5	





n55 binario orientabile 240V 50-60Hz **A** **ff** **IP20** **PR** **CE** **i**

Vb7.580.22.27	argento hacca	adattatore nero black adapter	2700K	les19 ●	0,8
Vb7.580.23.27	nero55	adattatore nero black adapter	2700K	les19 ●	0,8
Vb7.580.24.27	my bianco	adattatore bianco white adapter	2700K	les19 ●	0,8

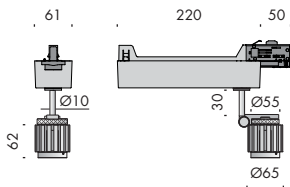
Ra	R9	ies tm-30		sdc	mA	V _{f (min)}	lm	W	lm/W	
98	98	Rf 96	Rg 103	step 1	700	28,4	2140	19,9	108	A+
xm000	les19 ●	Ta25 °C		vita media · average life			70000 h	L80 B10		

Vb7.580.22.30	argento hacca	adattatore nero black adapter	3000K	les19 ●	0,8
Vb7.580.23.30	nero55	adattatore nero black adapter	3000K	les19 ●	0,8
Vb7.580.24.30	my bianco	adattatore bianco white adapter	3000K	les19 ●	0,8

Ra	R9	ies tm-30		sdc	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		

Vb7.580.22.30v	argento hacca	adattatore nero black adapter	3000VbK	les19 ●	0,8
Vb7.580.23.30v	nero55	adattatore nero black adapter	3000VbK	les19 ●	0,8
Vb7.580.24.30v	my bianco	adattatore bianco white adapter	3000VbK	les19 ●	0,8

Ra	R9	ies tm-30		sdc	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		



n55 binario orientabile dali 240V 50-60Hz

- Vb7.580.22.27.d2** argento hacca adattatore nero 2700K les19 ● 0,8
black adapter
- Vb7.580.23.27.d2** nero55 adattatore nero 2700K les19 ● 0,8
black adapter
- Vb7.580.24.27.d2** my bianco adattatore bianco 2700K les19 ● 0,8
white adapter

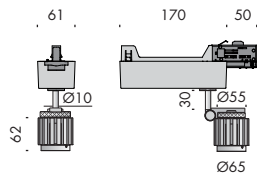
Ra	R9	ies tm-30		sdc	mA	V _{f (min)}	lm	W	lm/W	
98	98	Rf 96	Rg 103	step 1	700	28,4	2140	19,9	108	A+
xm000		les19 ● Ta25 °C		vita media · average life			70000 h	L80 B10		

- Vb7.580.22.30.d2** argento hacca adattatore nero 3000K les19 ● 0,8
black adapter
- Vb7.580.23.30.d2** nero55 adattatore nero 3000K les19 ● 0,8
black adapter
- Vb7.580.24.30.d2** my bianco adattatore bianco 3000K les19 ● 0,8
white adapter

Ra	R9	ies tm-30		sdc	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		

- Vb7.580.22.30v.d2** argento hacca adattatore nero 3000VbK les19 ● 0,8
black adapter
- Vb7.580.23.30v.d2** nero55 adattatore nero 3000VbK les19 ● 0,8
black adapter
- Vb7.580.24.30v.d2** my bianco adattatore bianco 3000VbK les19 ● 0,8
white adapter

Ra	R9	ies tm-30		sdc	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		



n55 binario orientabile 240V 50-60Hz

Vb7.580.32.27	argento hacca	adattatore nero black adapter	2700K	les9 ●	0,8
Vb7.580.33.27	nero55	adattatore nero black adapter	2700K	les9 ●	0,8
Vb7.580.34.27	my bianco	adattatore bianco white adapter	2700K	les9 ●	0,8

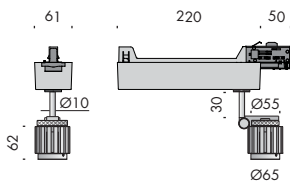
Ra	R9	ies tm-30		sdc	mA	V _{f (min)}	lm	W	lm/W	
98	98	Rf 96	Rg 103	step 1	700	27,9	1110	19,5	57	A
xe000	les9 ●	Ta25 °C		vita media · average life		70000 h	L80	B10		

Vb7.580.32.30	argento hacca	adattatore nero black adapter	3000K	les9 ●	0,8
Vb7.580.33.30	nero55	adattatore nero black adapter	3000K	les9 ●	0,8
Vb7.580.34.30	my bianco	adattatore bianco white adapter	3000K	les9 ●	0,8

Ra	R9	ies tm-30		sdc	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		

Vb7.580.32.30v	argento hacca	adattatore nero black adapter	3000VbK	les9 ●	0,8
Vb7.580.33.30v	nero55	adattatore nero black adapter	3000VbK	les9 ●	0,8
Vb7.580.34.30v	my bianco	adattatore bianco white adapter	3000VbK	les9 ●	0,8

Ra	R9	ies tm-30		sdc	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		



n55 binario orientabile dali 240V 50-60Hz

- Vb7.580.32.27.d2** argento hacca adattatore nero 2700K les9 ● 0,8
black adapter
- Vb7.580.33.27.d2** nero55 adattatore nero 2700K les9 ● 0,8
black adapter
- Vb7.580.34.27.d2** my bianco adattatore bianco 2700K les9 ● 0,8
white adapter

Ra	R9	ies tm-30		sdc	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		

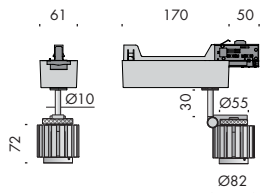
- Vb7.580.32.30.d2** argento hacca adattatore nero 3000K les9 ● 0,8
black adapter
- Vb7.580.33.30.d2** nero55 adattatore nero 3000K les9 ● 0,8
black adapter
- Vb7.580.34.30.d2** my bianco adattatore bianco 3000K les9 ● 0,8
white adapter

Ra	R9	ies tm-30		sdc	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		

- Vb7.580.32.30v.d2** argento hacca adattatore nero 3000VbK les9 ● 0,8
black adapter
- Vb7.580.33.30v.d2** nero55 adattatore nero 3000VbK les9 ● 0,8
black adapter
- Vb7.580.34.30v.d2** my bianco adattatore bianco 3000VbK les9 ● 0,8
white adapter

Ra	R9	ies tm-30		sdc	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		





n55 binario orientabile		240V 50-60Hz	A	ff	IP20	PR	CE	i
Vb7.580.42.27	argento hacca	adattatore nero black adapter	2700K	les19	0,8			
Vb7.580.43.27	nero55	adattatore nero black adapter	2700K	les19	0,8			
Vb7.580.44.27	my bianco	adattatore bianco white adapter	2700K	les19	0,8			

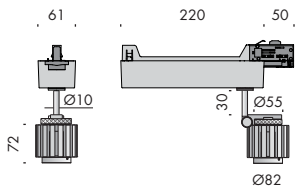
Ra	R9	ies tm-30		sdc	mA	V _{f (min)}	lm	W	lm/W	A+
98	98	Rf 96	Rg 103	step 1	1050	29,0	3000	30,5	98	A+
xm000	les19	Ta25 °C		vita media · average life		70000 h	L80	B10		

Vb7.580.42.30	argento hacca	adattatore nero black adapter	3000K	les19	0,8			
Vb7.580.43.30	nero55	adattatore nero black adapter	3000K	les19	0,8			
Vb7.580.44.30	my bianco	adattatore bianco white adapter	3000K	les19	0,8			

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

Vb7.580.42.30v	argento hacca	adattatore nero black adapter	3000VbK	les19	0,8			
Vb7.580.43.30v	nero55	adattatore nero black adapter	3000VbK	les19	0,8			
Vb7.580.44.30v	my bianco	adattatore bianco white adapter	3000VbK	les19	0,8			

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



n55 binario orientabile dali 240V 50-60Hz IP20

- Vb7.580.42.27.d2** argento hacca adattatore nero 2700K les19 ● 0,8
black adapter
- Vb7.580.43.27.d2** nero55 adattatore nero 2700K les19 ● 0,8
black adapter
- Vb7.580.44.27.d2** my bianco adattatore bianco 2700K les19 ● 0,8
white adapter

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

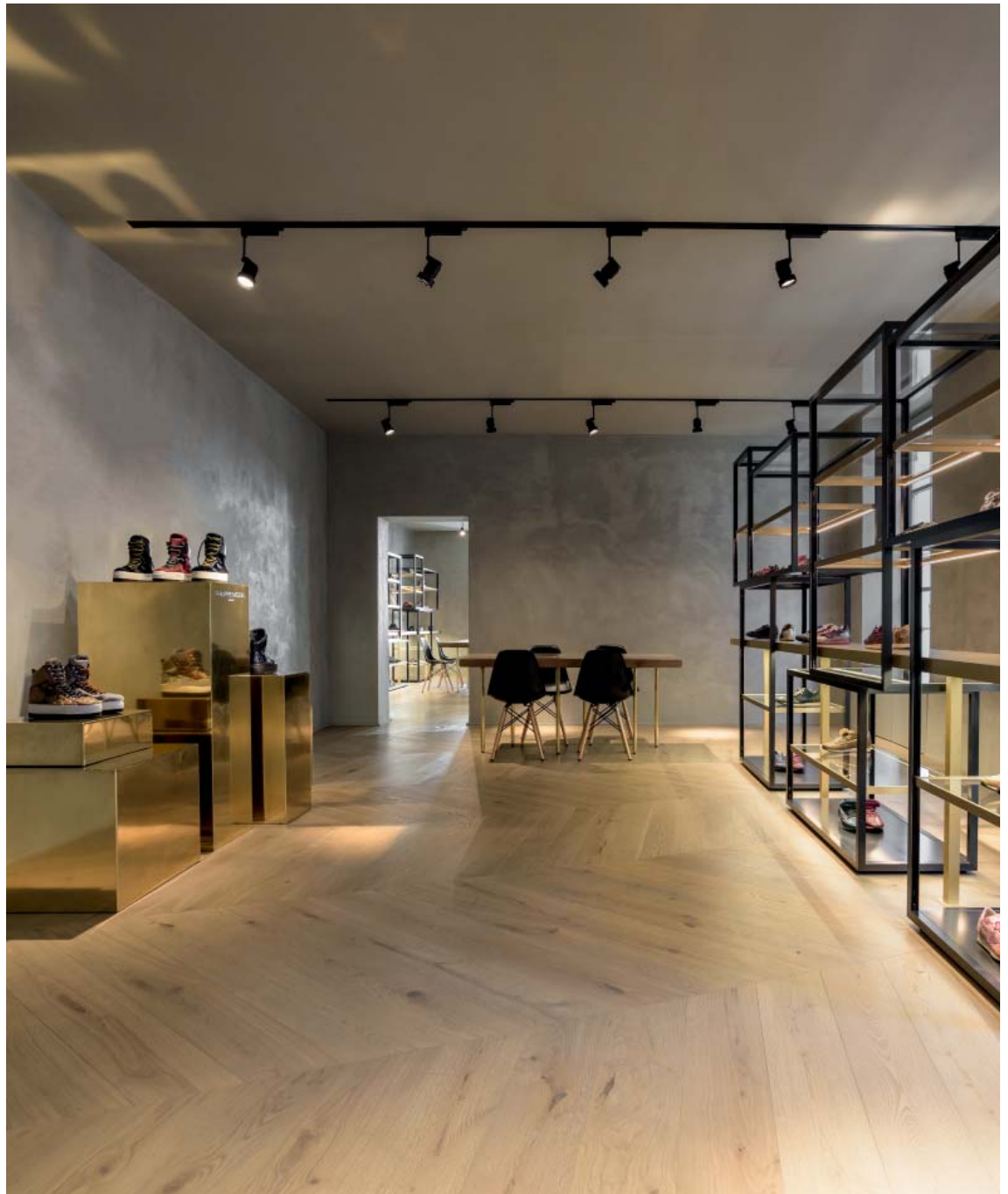
- Vb7.580.42.30.d2** argento hacca adattatore nero 3000K les19 ● 0,8
black adapter
- Vb7.580.43.30.d2** nero55 adattatore nero 3000K les19 ● 0,8
black adapter
- Vb7.580.44.30.d2** my bianco adattatore bianco 3000K les19 ● 0,8
white adapter

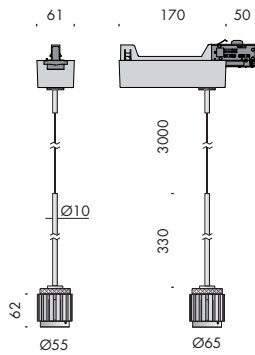
Ra	R9	ies tm-30		sdc	mA	V _{f (min)}	lm	W	lm/W	
98	98	Rf 96	Rg 103	step 1	1050	29,0	3000	30,5	98	A+
xm001		les19 ● Ta25 °C		vita media · average life			70000 h	L80 B10		

- Vb7.580.42.30v.d2** argento hacca adattatore nero 3000VbK les19 ● 0,8
black adapter
- Vb7.580.43.30v.d2** nero55 adattatore nero 3000VbK les19 ● 0,8
black adapter
- Vb7.580.44.30v.d2** my bianco adattatore bianco 3000VbK les19 ● 0,8
white adapter

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







n55 binario sospensione 240V 50-60Hz

- Vb7.580.52.27** argento hacca adattatore nero 2700K les19 0,8
black adapter
- Vb7.580.53.27** nero55 adattatore nero 2700K les19 0,8
black adapter
- Vb7.580.54.27** my bianco adattatore bianco 2700K les19 0,8
white adapter

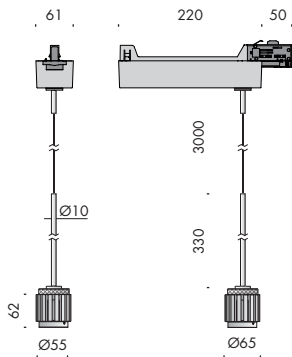
Ra	R9	ies tm-30		sdc	mA	V _{f (min)}	lm	W	lm/W	
98	98	Rf 96	Rg 103	step 1	700	28,4	2140	19,9	108	A+
xm000	les19	Ta25 °C		vita media · average life		70000 h	L80	B10		

- Vb7.580.52.30** argento hacca adattatore nero 3000K les19 0,8
black adapter
- Vb7.580.53.30** nero55 adattatore nero 3000K les19 0,8
black adapter
- Vb7.580.54.30** my bianco adattatore bianco 3000K les19 0,8
white adapter

Ra	R9	ies tm-30		sdc	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		


- Vb7.580.52.30v** argento hacca adattatore nero 3000VbK les19 0,8
black adapter
- Vb7.580.53.30v** nero55 adattatore nero 3000VbK les19 0,8
black adapter
- Vb7.580.54.30v** my bianco adattatore bianco 3000VbK les19 0,8
white adapter

Ra	R9	ies tm-30		sdc	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		




n55 binario sospensione dali 240V 50-60Hz      


- Vb7.580.52.27.d2** argento hacca adattatore nero 2700K les19 ● 0,8
black adapter
- Vb7.580.53.27.d2** nero55 adattatore nero 2700K les19 ● 0,8
black adapter
- Vb7.580.54.27.d2** my bianco adattatore bianco 2700K les19 ● 0,8
white adapter

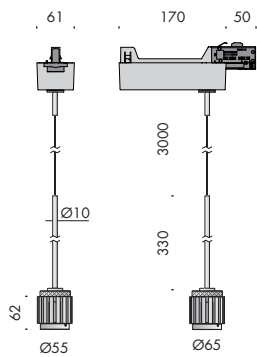
Ra	R9	ies tm-30		sdc	mA	V _{f (min)}	lm	W	lm/W	
98	98	Rf 96	Rg 103	step 1	700	28,4	2140	19,9	108	A+
xm000	les19 ●	Ta25 °C		vita media · average life			70000 h	L80 B10		

- Vb7.580.52.30.d2** argento hacca adattatore nero 3000K les19 ● 0,8
black adapter
- Vb7.580.53.30.d2** nero55 adattatore nero 3000K les19 ● 0,8
black adapter
- Vb7.580.54.30.d2** my bianco adattatore bianco 3000K les19 ● 0,8
white adapter

Ra	R9	ies tm-30		sdc	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		

- Vb7.580.52.30V.d2** argento hacca adattatore nero 3000VbK les19 ● 0,8
black adapter
- Vb7.580.53.30V.d2** nero55 adattatore nero 3000VbK les19 ● 0,8
black adapter
- Vb7.580.54.30V.d2** my bianco adattatore bianco 3000VbK les19 ● 0,8
white adapter

Ra	R9	ies tm-30		sdc	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		



n55 binario sospensione 240V 50-60Hz

Vb7.580.62.27	argento hacca	adattatore nero black adapter	2700K	les9 ●	0,8
Vb7.580.63.27	nero55	adattatore nero black adapter	2700K	les9 ●	0,8
Vb7.580.64.27	my bianco	adattatore bianco white adapter	2700K	les9 ●	0,8

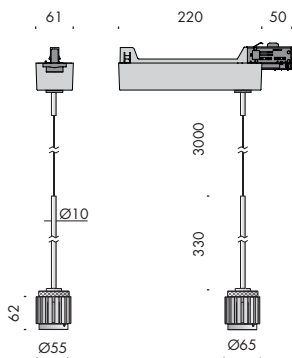
Ra	R9	ies tm-30		sdc	mA	V _{f (min)}	lm	W	lm/W	
98	98	Rf 96	Rg 103	step 1	700	27,9	1110	19,5	57	A
xe000	les9 ●	Ta25 °C		vita media · average life		70000 h	L80	B10		

Vb7.580.62.30	argento hacca	adattatore nero black adapter	3000K	les9 ●	0,8
Vb7.580.63.30	nero55	adattatore nero black adapter	3000K	les9 ●	0,8
Vb7.580.64.30	my bianco	adattatore bianco white adapter	3000K	les9 ●	0,8

Ra	R9	ies tm-30		sdc	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		

Vb7.580.62.30v	argento hacca	adattatore nero black adapter	3000VbK	les9 ●	0,8
Vb7.580.63.30v	nero55	adattatore nero black adapter	3000VbK	les9 ●	0,8
Vb7.580.64.30v	my bianco	adattatore bianco white adapter	3000VbK	les9 ●	0,8

Ra	R9	ies tm-30		sdc	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		



n55 binario sospensione dali 240V 50-60Hz **A** **ff** **IP20** **PF** **CE** **i**

- Vb7.580.62.27.d2** argento hacca adattatore nero 2700K les9 ● 0,8
black adapter
- Vb7.580.63.27.d2** nero55 adattatore nero 2700K les9 ● 0,8
black adapter
- Vb7.580.64.27.d2** my bianco adattatore bianco 2700K les9 ● 0,8
white adapter

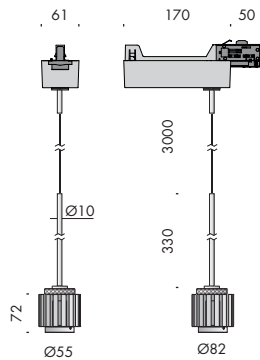
Ra	R9	ies tm-30		sdcM	mA	V _{f (min)}	lm	W	lm/W	
98	98	Rf 96	Rg 103	step 1	700	27,9	1110	19,5	57	A
xe000	les9 ●	Ta25 °C		vita media · average life			70000 h	L80 B10		

- Vb7.580.62.30.d2** argento hacca adattatore nero 3000K les9 ● 0,8
black adapter
- Vb7.580.63.30.d2** nero55 adattatore nero 3000K les9 ● 0,8
black adapter
- Vb7.580.64.30.d2** my bianco adattatore bianco 3000K les9 ● 0,8
white adapter

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		

- Vb7.580.62.30v.d2** argento hacca adattatore nero 3000VbK les9 ● 0,8
black adapter
- Vb7.580.63.30v.d2** nero55 adattatore nero 3000VbK les9 ● 0,8
black adapter
- Vb7.580.64.30v.d2** my bianco adattatore nero 3000VbK les9 ● 0,8
black adapter

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		



n55 binario sospensione 240V 50-60Hz

- Vb7.580.72.27** argento hacca adattatore nero 2700K les19 ● 0,8
black adapter
- Vb7.580.73.27** nero55 adattatore nero 2700K les19 ● 0,8
black adapter
- Vb7.580.74.27** my bianco adattatore bianco 2700K les19 ● 0,8
white adapter

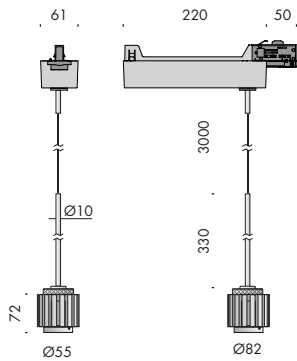
Ra	R9	ies tm-30		sdc	mA	V _{f (min)}	lm	W	lm/W	
98	98	Rf 96	Rg 103	step 1	1050	29,0	3000	30,5	98	A+
xm000	les19 ●	Ta25 °C		vita media · average life		70000 h	L80	B10		



- Vb7.580.72.30** argento hacca adattatore nero 3000K les19 ● 0,8
black adapter
- Vb7.580.73.30** nero55 adattatore nero 3000K les19 ● 0,8
black adapter
- Vb7.580.74.30** my bianco adattatore bianco 3000K les19 ● 0,8
white adapter

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


- Vb7.580.72.30v** argento hacca adattatore nero 3000VbK les19 ● 0,8
black adapter
- Vb7.580.73.30v** nero55 adattatore nero 3000VbK les19 ● 0,8
black adapter
- Vb7.580.74.30v** my bianco adattatore bianco 3000VbK les19 ● 0,8
white adapter

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




n55 binario sospensione dali 240V 50-60Hz       


- Vb7.580.72.27.d2** argento hacca adattatore nero 2700K les19 ● 0,8
black adapter
- Vb7.580.73.27.d2** nero55 adattatore nero 2700K les19 ● 0,8
black adapter
- Vb7.580.74.27.d2** my bianco adattatore bianco 2700K les19 ● 0,8
white adapter

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

- Vb7.580.72.30.d2** argento hacca adattatore nero 3000K les19 ● 0,8
black adapter
- Vb7.580.73.30.d2** nero55 adattatore nero 3000K les19 ● 0,8
black adapter
- Vb7.580.74.30.d2** my bianco adattatore bianco 3000K les19 ● 0,8
white adapter

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

- Vb7.580.72.30v.d2** argento hacca adattatore nero 3000VbK les19 ● 0,8
black adapter
- Vb7.580.73.30v.d2** nero55 adattatore nero 3000VbK les19 ● 0,8
black adapter
- Vb7.580.74.30v.d2** my bianco adattatore bianco 3000VbK les19 ● 0,8
white adapter

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



propulsore dinamico 55/350e **IP20** **CE**

Vb9.580.150.27	argento hacca	2700K	les19	0,2
Vb9.580.151.27	nero55	2700K	les19	0,2
Vb9.580.152.27	my bianco	2700K	les19	0,2

Ra	R9	ies tm-30		sdc	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
Vb9.580.152.30	my bianco	3000K	les19	0,2

Ra	R9	ies tm-30		sdc	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
Vb9.580.152.30v	my bianco	3000VbK	les19	0,2

Ra	R9	ies tm-30		sdc	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
Vb9.580.52.27	my bianco	2700K	les19 ●	0,2

Ra	R9	ies tm-30		sdc	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
Vb9.580.52.30	my bianco	3000K	les19 ●	0,2

Ra	R9	ies tm-30		sdc	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
Vb9.580.52.30v	my bianco	3000VbK	les19 ●	0,2

Ra	R9	ies tm-30		sdc	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

Vb9.580.62.27	argento hacca	2700K	les19	0,2
Vb9.580.63.27	nero55	2700K	les19	0,2
Vb9.580.64.27	my bianco	2700K	les19	0,2

Ra	R9	ies tm-30		sdc	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
Vb9.580.64.30	my bianco	3000K	les19	0,2

Ra	R9	ies tm-30		sdc	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
Vb9.580.64.30v	my bianco	3000VbK	les19	0,2

Ra	R9	ies tm-30		sdc	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		



Vb9.580.101.27	argento hacca	2700K	les9 ●	0,2
Vb9.580.102.27	nero55	2700K	les9 ●	0,2
Vb9.580.103.27	my bianco	2700K	les9 ●	0,2

Ra	R9	ies tm-30		sdc	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
Vb9.580.103.30	my bianco	3000K	les9 ●	0,2

Ra	R9	ies tm-30		sdc	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
Vb9.580.103.30v	my bianco	3000VbK	les9 ●	0,2

Ra	R9	ies tm-30		sdc	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
Vb9.580.156.27	my bianco	2700K	les19 ●	0,3

Ra	R9	ies tm-30		sdc	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
Vb9.580.156.30	my bianco	3000K	les19 ●	0,3

Ra	R9	ies tm-30		sdc	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
Vb9.580.156.30v	my bianco	3000VbK	les19 ●	0,3

Ra	R9	ies tm-30		sdc	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
Vb9.580.56.27	my bianco	2700K	les19 ●	0,3

Ra	R9	ies tm-30		sdc	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
Vb9.580.56.30	my bianco	3000K	les19 ●	0,3

Ra	R9	ies tm-30		sdc	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
Vb9.580.56.30v	my bianco	3000VbK	les19 ●	0,3

Ra	R9	ies tm-30		sdc	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		


propulsore dinamico 65/700

IP20


Vb9.580.106.27	argento hacca	2700K	les9 ●	0,3
Vb9.580.107.27	nero55	2700K	les9 ●	0,3
Vb9.580.108.27	my bianco	2700K	les9 ●	0,3

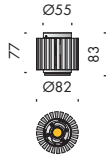
Ra	R9	ies tm-30		sdc	mA	V _{f (min)}	lm	W	lm/W	
98	98	Rf 96	Rg 103	step 1	700	27,9	1110	19,5	57	A
xe000	les9 ●	Ta25 °C		vita media · average life			70000 h	L80	B10	

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

Ra	R9	ies tm-30		sdc	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
Vb9.580.108.30v	my bianco	3000VbK	les9 ●	0,3

Ra	R9	ies tm-30		sdc	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	


propulsore dinamico 82/1050

IP20


Vb9.580.58.27	argento hacca	2700K	les19 ●	0,5
Vb9.580.59.27	nero55	2700K	les19 ●	0,5
Vb9.580.60.27	my bianco	2700K	les19 ●	0,5

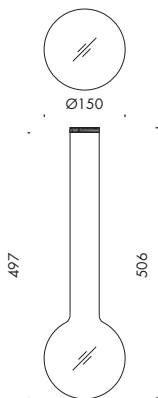
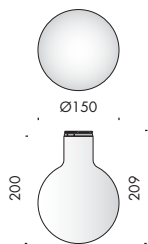
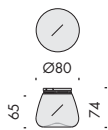
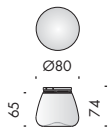
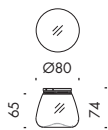
Ra	R9	ies tm-30		sdc	mA	V _{f (min)}	lm	W	lm/W	
98	98	Rf 96	Rg 103	step 1	1050	29,0	3000	30,5	98	A+
xm000	les19 ●	Ta25 °C		vita media · average life			70000 h	L80	B10	

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

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

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

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



mario nanni



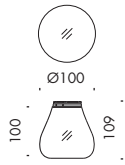
Vb9.580.01.t hm01 trasparente · transparent 0,05

Vb9.580.01.s hm01 sabbziata · sanded 0,05

Vb9.580.01.b hm01 bianco latte · milk white 0,05

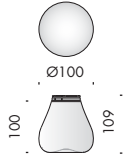
Vb9.580.03.s mn01 sabbiato · sanded 0,3

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



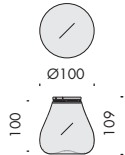
Vb9.580.02.t hm02 trasparente · transparent

0,1



Vb9.580.02.s hm02 sabbziata · sanded

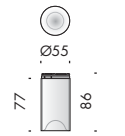
0,1



Vb9.580.02.b hm02 bianco latte · milk white

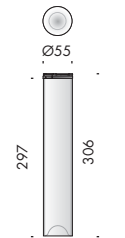
0,1

david chipperfield



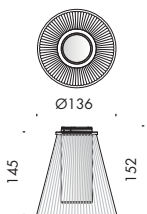
Vb9.580.05.s dc01 sabbciato · sanded

0,1



Vb9.580.06.s dc02 sabbciato · sanded

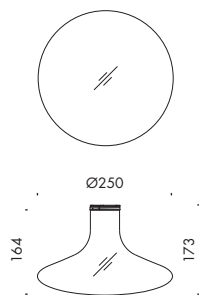
0,3



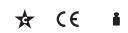
Vb9.580.20.tr dc04 trasparente, rigato e sabbciato
transparent, striped and sanded

0,3



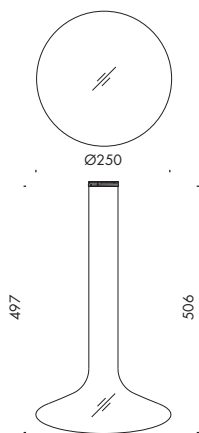


peter zumthor



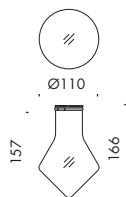
Vb9.580.08.t pz01 trasparente · transparent

0,3



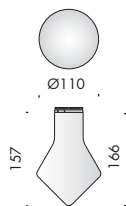
Vb9.580.10.t pz02 trasparente · transparent

0,6



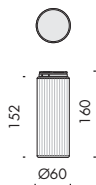
Vb9.580.11.t pz03 trasparente · transparent

0,2



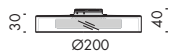
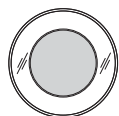
Vb9.580.11.s pz03 sabbiato · sanded

0,2



al-jawad pike ☆ CE ⓘ

Vb9.580.18.tr aip01 trasparente, rigato · transparent, striped 0,2



neri&hu ☆ CE ⓘ

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



Ø200

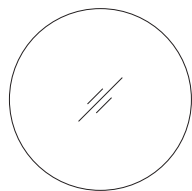


188

197

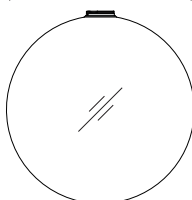
oma ☆ CE ⓘ

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



Ø350

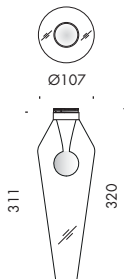
Vb9.580.15.t oma03 trasparente · transparent 1,4



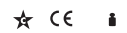
350

Ø359





kengo kuma



Vb9.580.07.c kk01 cristallo · crystal

0,3

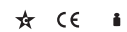
tzach cohen



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

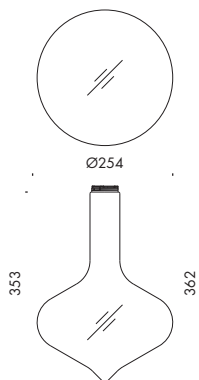
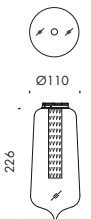
0,4

marcio kogan



Vb9.580.111.t mk01 trasparente · transparent

0,4

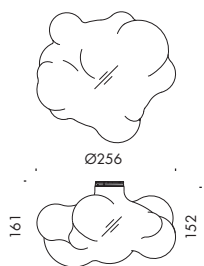


rdai



Vb9.580.12.t rdai01 trasparente · transparent

0,6



winy maas



Vb9.580.09.t wm01 trasparente · transparent

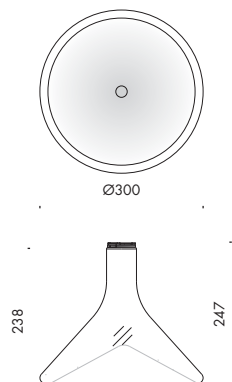
0,6

gio tirotto



Vb9.580.17.t gt01 trasparente · transparent

1

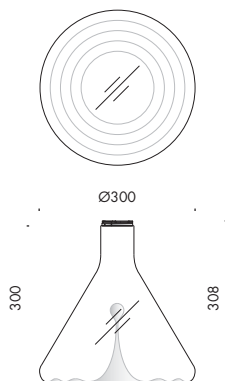


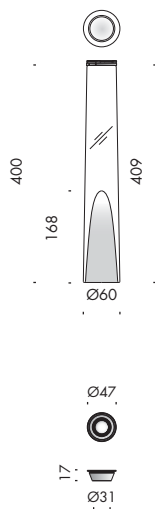
max lam



Vb9.580.13.t ml01 trasparente · transparent

1,4





domenico de palo

★ CE ⓘ

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

accessori per lampadina trasparente. transparent bulb accessories.

★ CE ⓘ

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



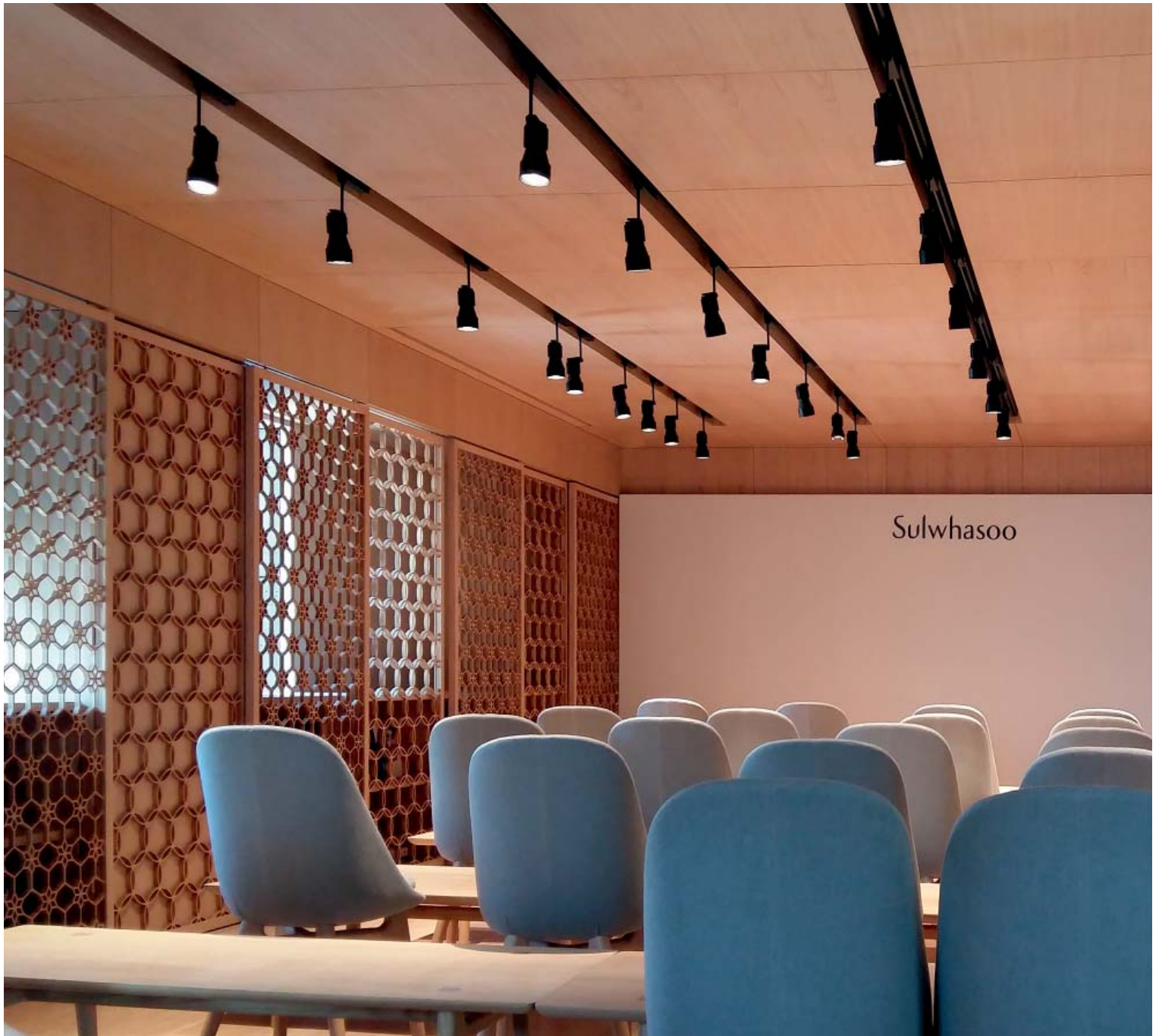
spot35

★ CE ⓘ

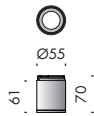
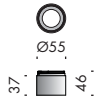
Vb9.580.21 argento hacca 87° les19 ● 0,1

Vb9.580.22 nero55 87° les19 ● 0,1

Vb9.580.22.b my bianco 87° les19 ● 0,1



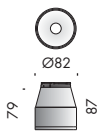
Sulwhasoo



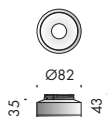
spot55x37		★	CE	ⓘ
Vb9.580.121	argento hacca	18° les9 ●		0,1
Vb9.580.122	nero55	18° les9 ●		0,1
Vb9.580.122.b	my bianco	18° les9 ●		0,1
Vb9.580.123	argento hacca	23° les9 ●	30° les19 ●	0,1
Vb9.580.124	nero55	23° les9 ●	30° les19 ●	0,1
Vb9.580.124.b	my bianco	23° les9 ●	30° les19 ●	0,1
Vb9.580.125	argento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

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

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

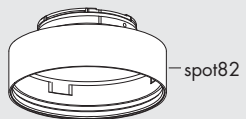


spot82x79		☆	CE	i
Vb9.580.31	argento hacca	23° les19 ●		0,2
Vb9.580.32	nero55	23° les19 ●		0,2
Vb9.580.32.b	my bianco	23° les19 ●		0,2
Vb9.580.33	argento hacca	37° les19 ●		0,2
Vb9.580.34	nero55	37° les19 ●		0,2
Vb9.580.34.b	my bianco	37° les19 ●		0,2
Vb9.580.35	argento hacca	46° les19 ●		0,2
Vb9.580.36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

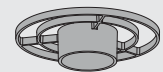


spot82x35		☆	CE	i
Vb9.580.131	argento hacca	13° les9 ●		0,1
Vb9.580.132	nero55	13° les9 ●		0,1
Vb9.580.137	my bianco	13° les9 ●		0,1
Vb9.580.133	argento hacca	19° les9 ●		0,1
Vb9.580.134	nero55	19° les9 ●		0,1
Vb9.580.138	my bianco	19° les9 ●		0,1
Vb9.580.135	argento hacca	23° les9 ● 31° les19 ●		0,1
Vb9.580.136	nero55	23° les9 ● 31° les19 ●		0,1
Vb9.580.141	my bianco	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
Vb9.580.142	my bianco	35° les9 ● 42° les19 ●		0,1

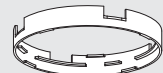




spot82



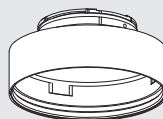
Vb9.580.165



porta accessorio
accessory holder



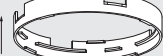
trappola di luce
light trap



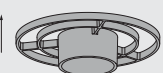
spot82



Vb9.580.88



porta accessorio
accessory holder



Vb9.580.165



trappola di luce
light trap



∅75 4



∅75 4



∅75 4

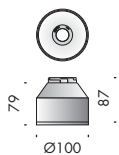


16 :
∅74,5

accessori spot82. accessories.



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

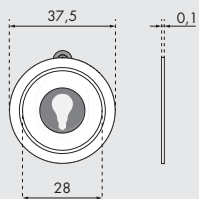


spot100		☆	CE	i
Vb9.580.37	argento hacca	10° les9 ●	16° les19 ●	0,1
Vb9.580.38	nero55	10° les9 ●	16° les19 ●	0,1
Vb9.580.38.b	my bianco	10° les9 ●	16° les19 ●	0,1
Vb9.580.39	argento hacca	22° les9 ●	25° les19 ●	0,1
Vb9.580.40	nero55	22° les9 ●	25° les19 ●	0,1
Vb9.580.40.b	my bianco	22° les9 ●	25° les19 ●	0,1
Vb9.580.41	argento hacca		40° les19 ●	0,1
Vb9.580.42	nero55		40° les19 ●	0,1
Vb9.580.42.b	my bianco		40° les19 ●	0,1
Vb9.580.43	argento hacca		54° les19 ●	0,1
Vb9.580.44	nero55		54° les19 ●	0,1
Vb9.580.44.b	my bianco		54° les19 ●	0,1

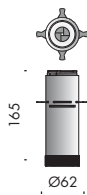
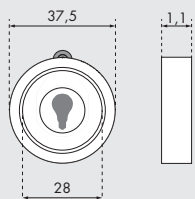


accessori spot100. accessories.		☆	CE	i
Vb9.580.93	frangiluce nido d'ape · honeycomb louvre			0,01
Vb9.580.94	lente ellittica · elliptical lens			0,05

dimensioni gobos in acciaio
steel gobos size



dimensioni gobos in vetro
glass gobos size



accessori. accessories.



Vb9.580.120 sagomatore · profile spot

0,7

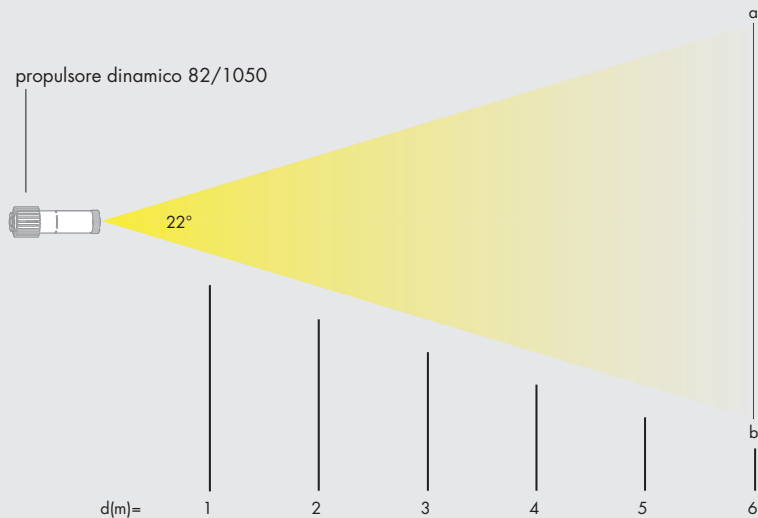
Vb9.580.118 gruppo per alloggiamento gobo in vetro
housing for glass gobos

0,01

Vb9.580.119 gruppo per alloggiamento gobo in acciaio
housing for steel gobos

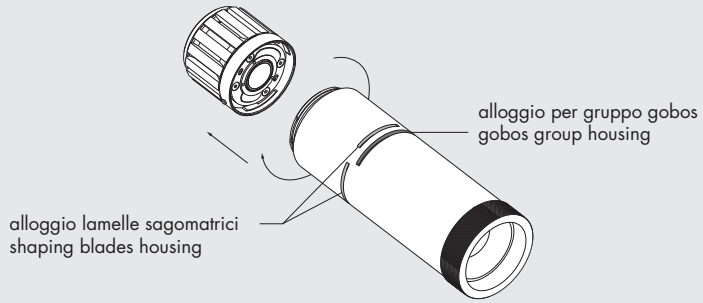
0,1

propulsore dinamico 82/1050

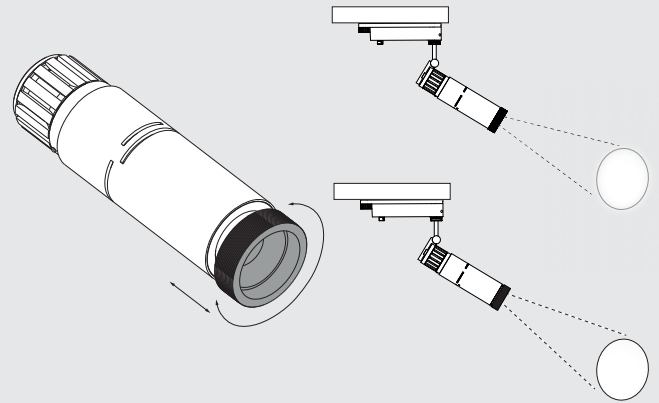


d (m)	ab (m)	e _{max} (lx)	e _{med} (lx)
1	0,38	2761	2273
2	0,76	690	568
3	1,14	307	253
4	1,51	173	142
5	1,89	110	91
6	2,27	77	63

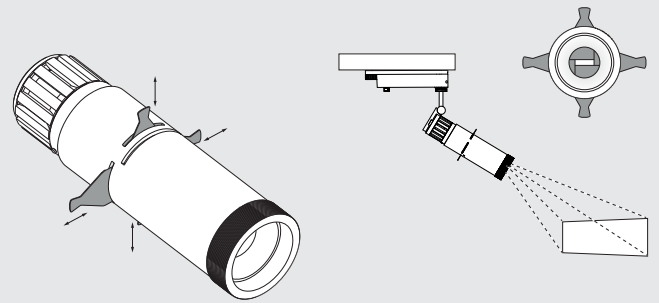
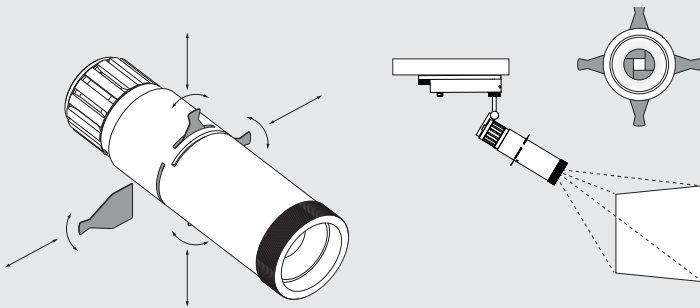
montaggio su propulsore dinamico n55
propeller mounting



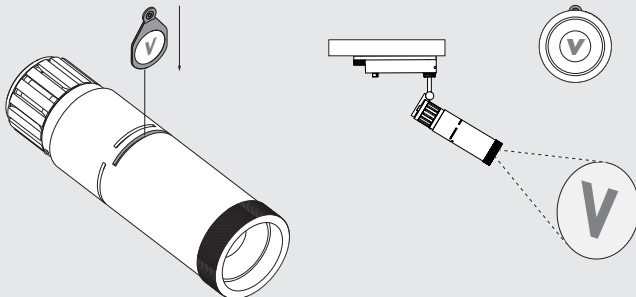
messa a fuoco · focus



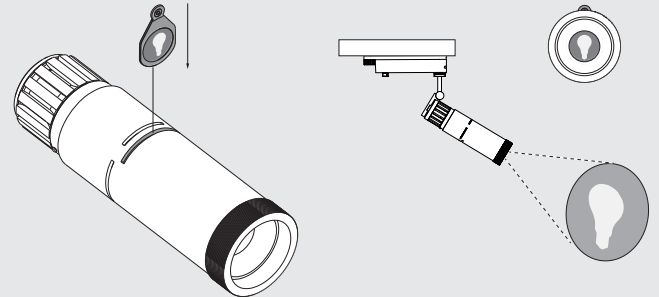
uso delle lamelle sagomatrici · use of shaping blades

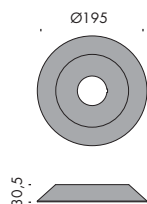
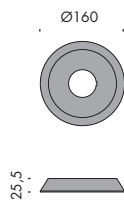
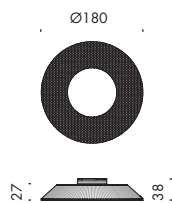
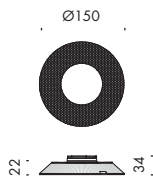


gobo in vetro non incluso
glass gobos not included



gobo in acciaio non incluso
steel gobos not included





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

lensoptica amP180		☆	CE	i
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Vb9.518.81	fascio stretto · narrow beam	10°	les9 ●	0,6
		15°	les19 ●	
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

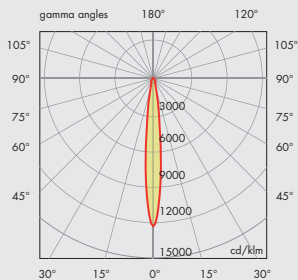
riflettore in metallo 150		☆	CE	i
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Vb9.518.95.n	nero55			0,1
Vb9.518.95.mb	my bianco			0,1
Vb9.518.95.h	argento hacca			0,1

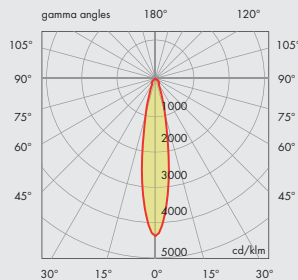
riflettore in metallo 180		☆	CE	i
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Vb9.518.96.n	nero55			0,1
Vb9.518.96.mb	my bianco			0,1
Vb9.518.96.h	argento hacca			0,1

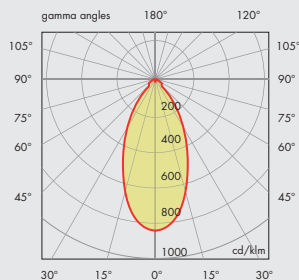
lensoptica amP150 13° les9
fascio stretto · narrow beam



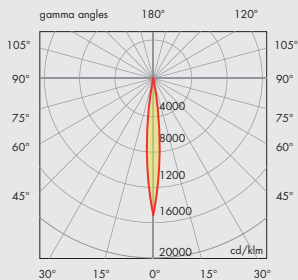
lensoptica amP150 22° les19
fascio stretto · narrow beam



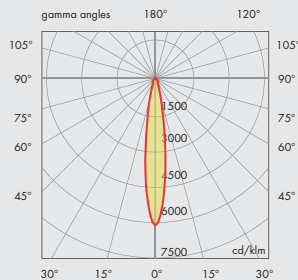
lensoptica amP150 51° les19
fascio largo · wide beam



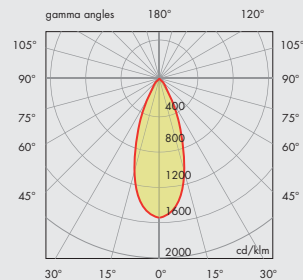
lensoptica amP180 10° les9
fascio stretto · narrow beam



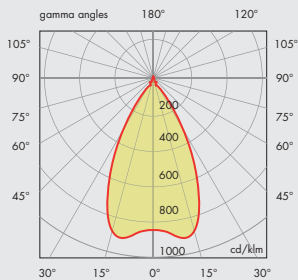
lensoptica amP180 15° les19
fascio stretto · narrow beam



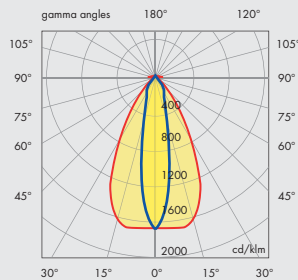
lensoptica amP180 41° les19
fascio medio · medium beam



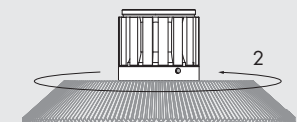
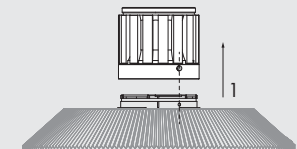
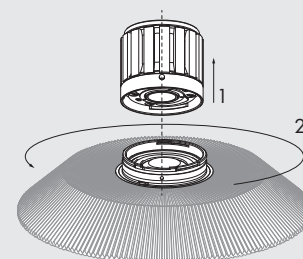
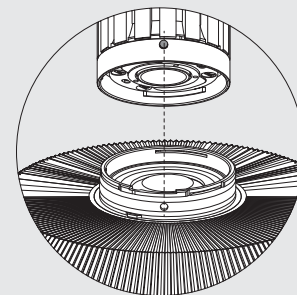
lensoptica amP180 53° les19
fascio largo · wide beam



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



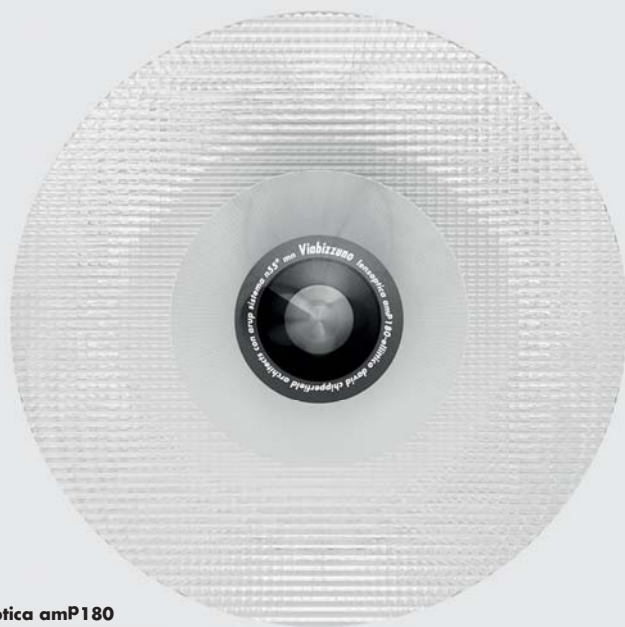
lensoptica amP180
fascio stretto · narrow beam



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.

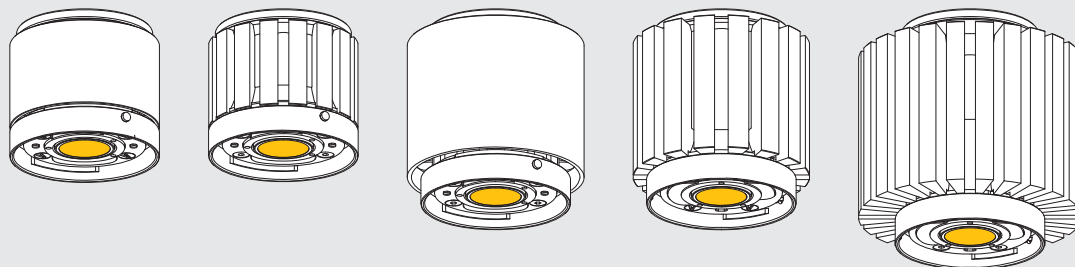
lensoptica amP is the result of a long research and development process made by Viabizzuno on a david chipperfield architects with arup, international engineering studio, design to provide electronic light sources with a high efficiency optics that can have either a focused and a diffuse light.

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.

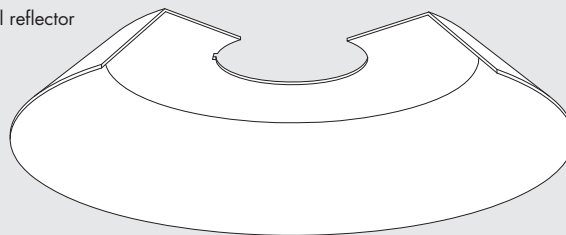
the microlens array precisely regulates the angular amplitude of the light beam.

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

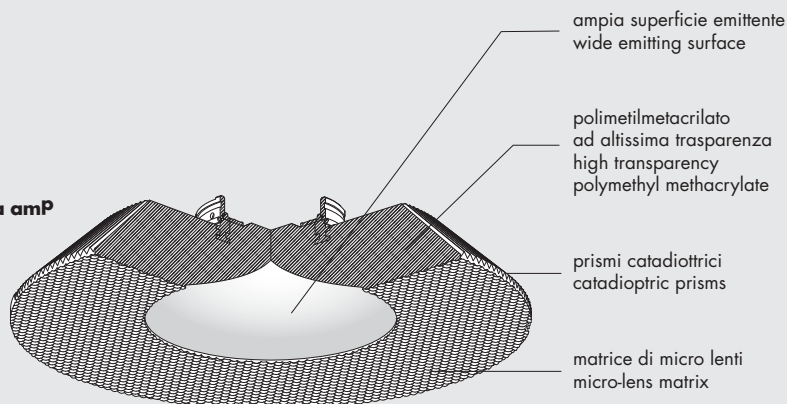
propulsore dinamico n55

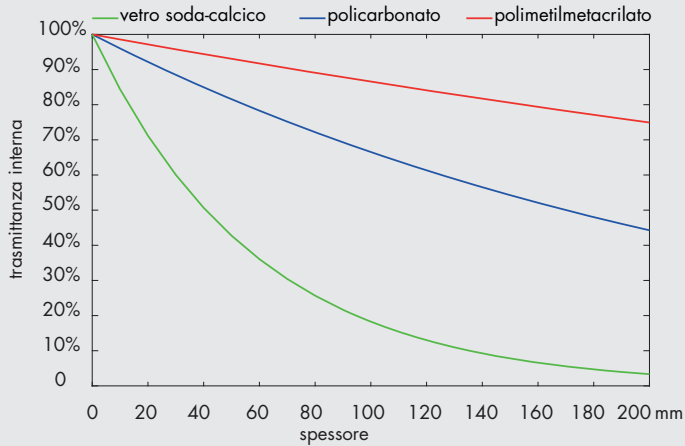


riflettore in metallo · metal reflector



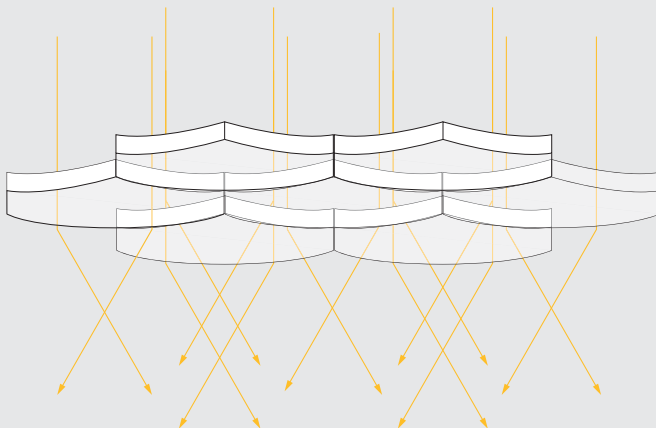
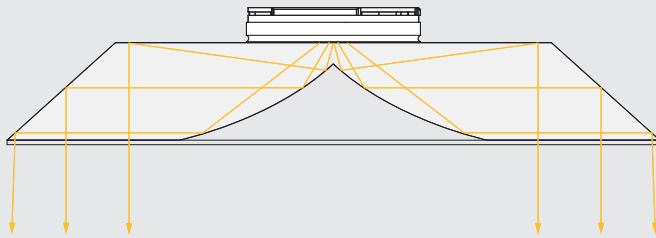
lensoptica amP





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 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.

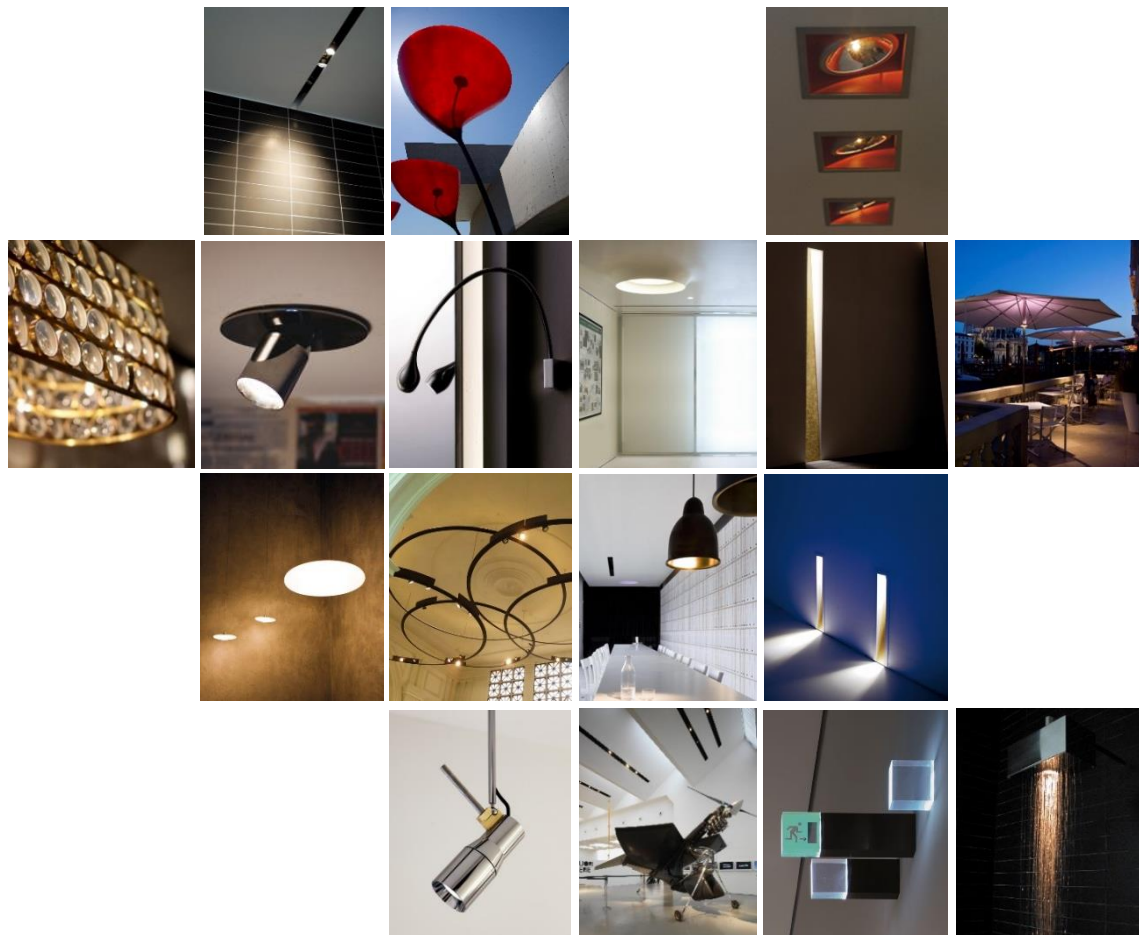
le **lensoptica amP** si suddividono in quattro categorie di apertura angolare del fascio: stretto, medio, largo ed ellittico. il valore esatto dell'angolo dipende dal diametro della sorgente.

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.







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