



apparecchio di illuminazione a soffitto per interni IP20.
composto da una piastra circolare in acciaio inox lucido AISI 304 che alloggia un sistema modulare componibile di catene di gocce in polimetilmetacrilato.

modelli:

gocce colonna con 30 catene di gocce installate in modo da formare una colonna di dimensioni diametro Ø200mm h.475mm o 1975mm.

gocce cupola grande con 45 catene di gocce in modo da formare una cupola di dimensioni diametro Ø575mm h.1000mm.

gocce cupola piccola con 15 catene di gocce in modo da formare una cupola di dimensioni diametro Ø200mm h.600mm.

gocce fontana con 30 catene di gocce in modo da formare una fontana di dimensioni diametro Ø575mm h.980mm.

gocce tenda con supporto singolo in polimetilmetacrilato per installare una catena di gocce 1000mm o 7500mm.

cablato con sorgente elettronica 2700K o 3000K Ra98 14W 1580lm o 19,9W 2140lm.
disponibile con lampadina classica hm02 sabbata o con spot82x79.

alimentatore 240V 50-60Hz incluso.

accessori: catena di gocce lunga 1000mm o 7500mm.

finiture: piastra in acciaio inox lucido, faretto argento hacca.



IP20 rated ceiling light fitting for indoor use.

it consists of a circular plate of AISI 304 polished stainless steel, housing a modular system of extra-light polymethyl methacrylate droplet chains.

versions:

gocce colonna with 30 droplet chains which create a Ø200mm, h.475mm or 1975mm column.

gocce cupola grande with 45 droplet chains which create a Ø575mm h.1000mm dome.

gocce cupola piccola with 15 droplet chains which create a Ø200mm h.600mm dome.

gocce fontana with 30 droplet chains which create a Ø575mm h.980mm fountain.

gocce tenda with a single polymethyl methacrylate support to install a 1000mm o 7500mm drops chain.

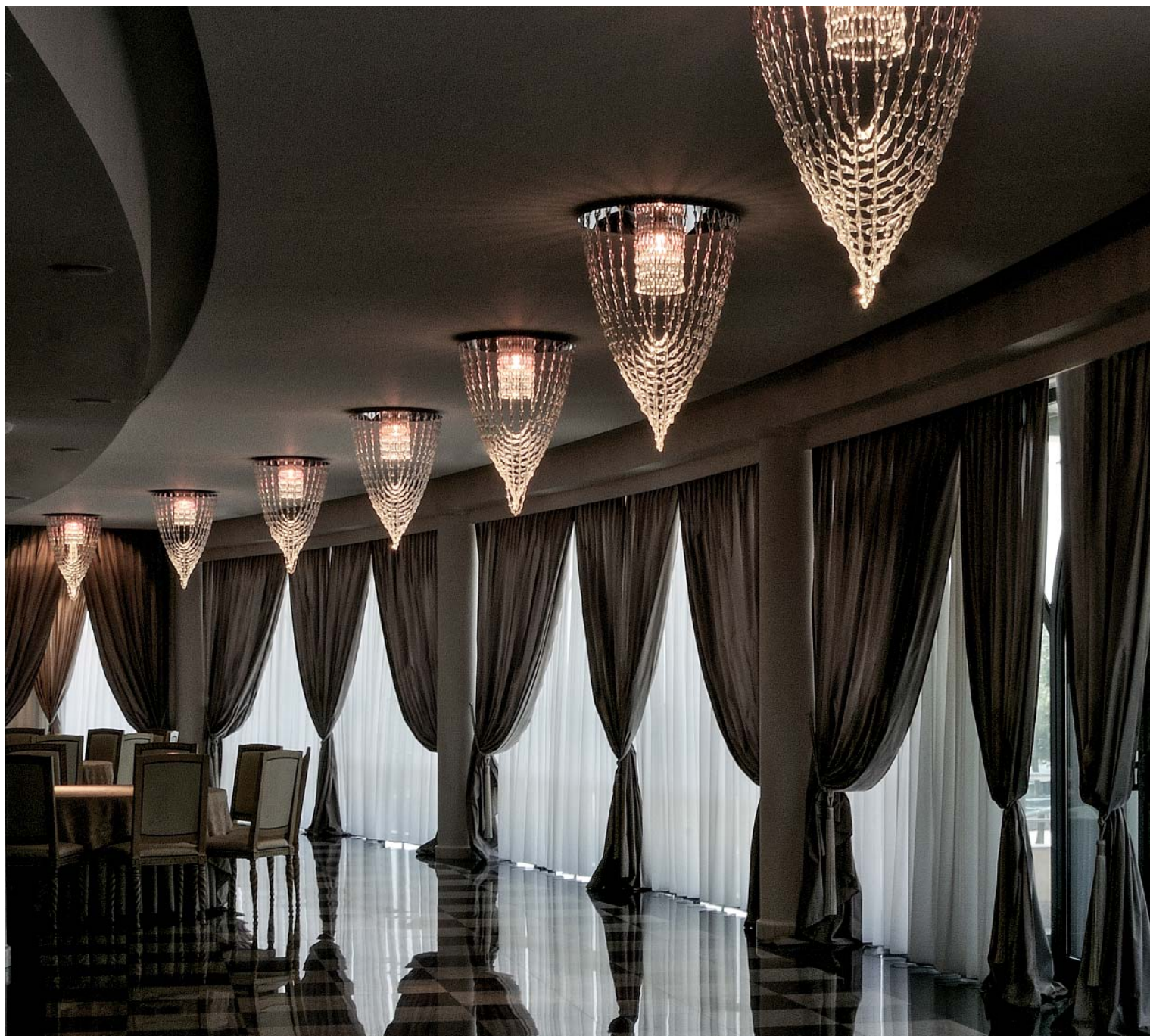
wired with 2700K or 3000K Ra98 14W 1580lm or 19.9W 2140lm led source.

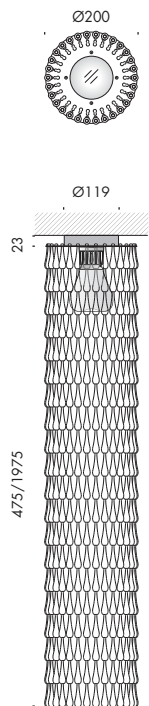
it is available with hm02 standard sanded bulb or spot82x79.

240V 50-60Hz power supply included.

accessories: drop chain 1000mm or 7500mm long.

finishes: polished stainless steel plate, argento hacca spotlight.





gocce colonna hm02 **240V 50-60Hz** **Ai** **IP20** **Pr** **CE** **i**

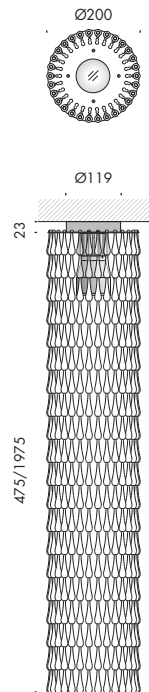
- Vb8.540.01.27** polimetilmetacrilato extra chiaro
extra-clear polymethyl methacrylate 475mm 2700K 4,4
- Vb8.540.05.27** polimetilmetacrilato extra chiaro
extra-clear polymethyl methacrylate 1975mm 2700K 4,9

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	
xm000	les19		Ta25 °C		vita media · average life		70000 h		L80 B10	

- Vb8.540.01.30** polimetilmetacrilato extra chiaro
extra-clear polymethyl methacrylate 475mm 3000K 4,4
- Vb8.540.05.30** polimetilmetacrilato extra chiaro
extra-clear polymethyl methacrylate 1975mm 3000K 4,9

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	
xm001	les19		Ta25 °C		vita media · average life		70000 h		L80 B10	





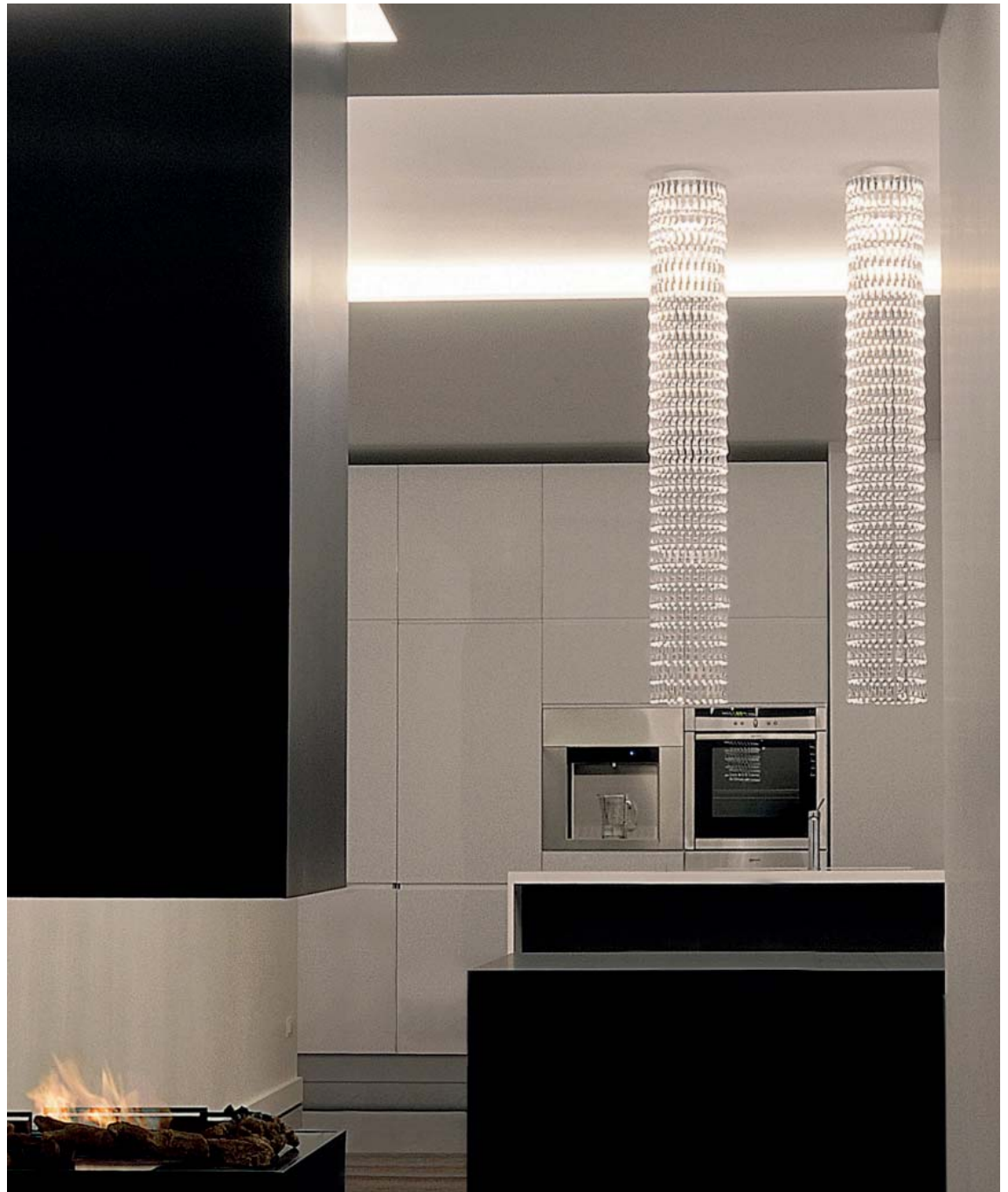
gocce colonna spot82x79 240V 50-60Hz **Ai** **IP20**

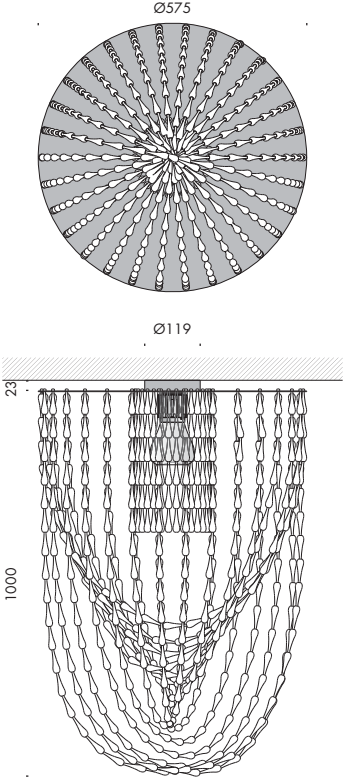
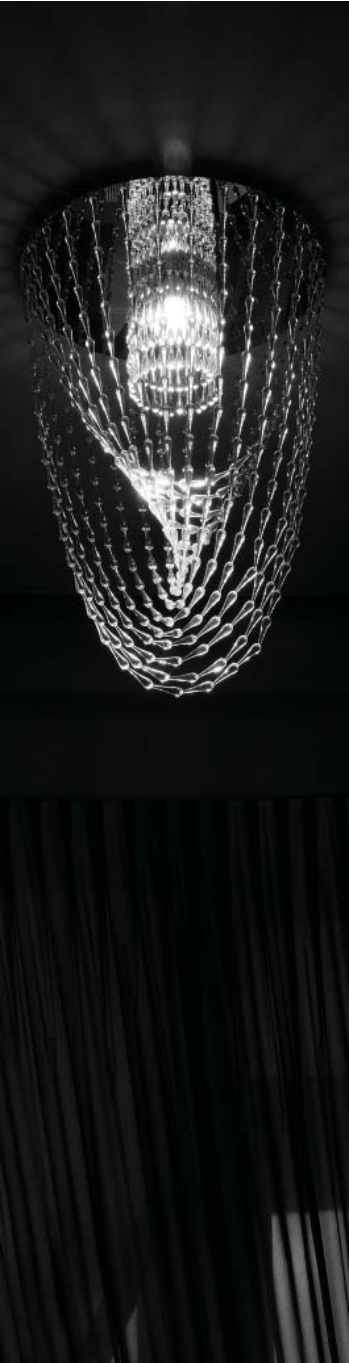
- Vb8.540.03.27** polimetilmetacrilato extra chiaro
extra-clear polymethyl methacrylate
- 475mm 2700K 19° 4,4
- Vb8.540.07.27** polimetilmetacrilato extra chiaro
extra-clear polymethyl methacrylate
- 1975mm 2700K 19° 4,9

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		

- Vb8.540.03.30** polimetilmetacrilato extra chiaro
extra-clear polymethyl methacrylate
- 475mm 3000K 19° 4,4
- Vb8.540.07.30** polimetilmetacrilato extra chiaro
extra-clear polymethyl methacrylate
- 1975mm 3000K 19° 4,9

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		





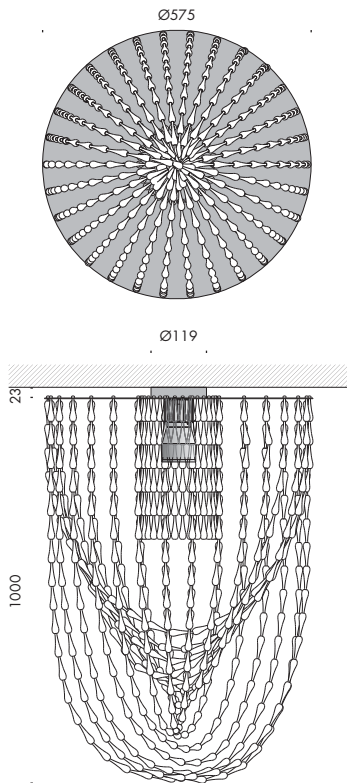
gocce cupola grande hm02 240V 50-60Hz **Ai** IP20 PR CE i

Vb8.540.25.27 polimetilmetacrilato extra chiaro 2700K 9,1
extra-clear polymethyl methacrylate

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	
xm000	les19 		Ta25 °C		vita media · average life		70000 h		L80 B10	

Vb8.540.25.30 polimetilmetacrilato extra chiaro 3000K 9,1
extra-clear polymethyl methacrylate

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	
xm001	les19 		Ta25 °C		vita media · average life		70000 h		L80 B10	



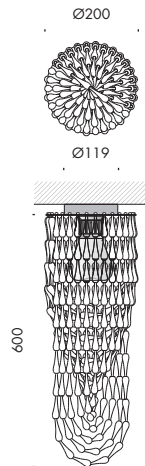
gocce cupola grande spot82x79 240V 50-60Hz **IP20**

Vb8.540.27.27 polimetilmetacrilato extra chiaro 2700K 33° 9,1
extra-clear polymethyl methacrylate

Ra	R9	ies tm-30		sdcn	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		

Vb8.540.27.30 polimetilmetacrilato extra chiaro 3000K 33° 9,1
extra-clear polymethyl methacrylate

Ra	R9	ies tm-30		sdcn	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		



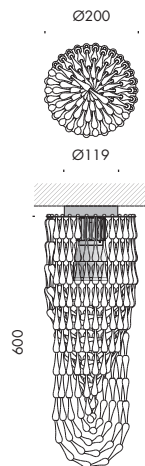
gocce cupola piccola hm02 240V 50-60Hz **Ai** **IP20** **pr** **CE** **i**

Vb8.540.21.27 polimetilmetacrilato extra chiaro 2700K 4,2
extra-clear polymethyl methacrylate

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		

Vb8.540.21.30 polimetilmetacrilato extra chiaro 3000K 4,2
extra-clear polymethyl methacrylate

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		



gocce cupola piccola spot82x79 240V 50-60Hz **Ai** **IP20** **pr** **CE** **i**

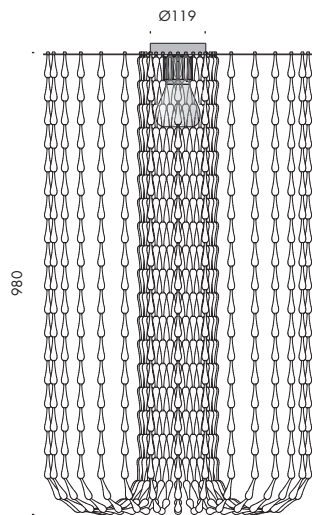
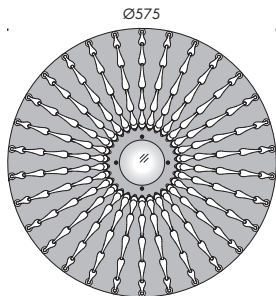
Vb8.540.23.27 polimetilmetacrilato extra chiaro 2700K 48°x44° 4,2
extra-clear polymethyl methacrylate

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		

Vb8.540.23.30 polimetilmetacrilato extra chiaro 3000K 48°x44° 4,2
extra-clear polymethyl methacrylate

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		





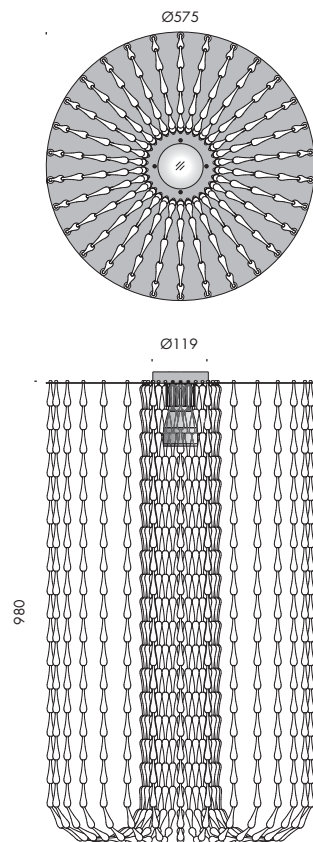
Vb8.540.11.27 polimetilmetacrilato extra chiaro 2700K 14
extra-clear polymethyl methacrylate

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		

Vb8.540.11.30 polimetilmetacrilato extra chiaro 3000K 14
extra-clear polymethyl methacrylate

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		





gocce fontana spot82x79 240V 50-60Hz IP20

Vb8.540.13.27 polimetilmetacrilato extra chiaro 2700K 11° 14
extra-clear polymethyl methacrylate

Ra	R9	ies tm-30		sdcn	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		

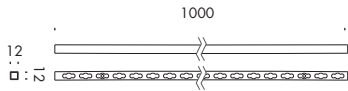
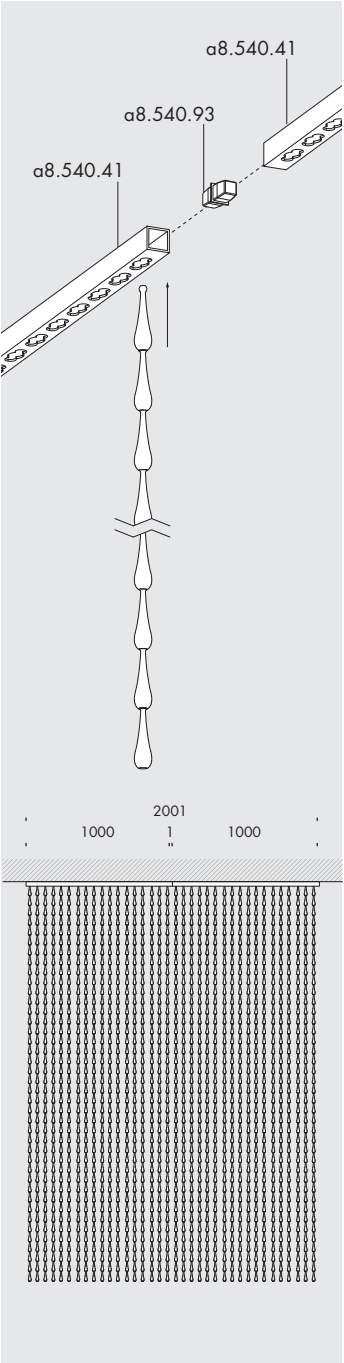
Vb8.540.13.30 polimetilmetacrilato extra chiaro 3000K 11° 14
extra-clear polymethyl methacrylate

Ra	R9	ies tm-30		sdcn	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		









gocce tenda supporto lineare 82 catene ☆ C E i

a8.540.41 argento opaco · matt silver 1000mm 1,2

accessori. accessories. ☆ C E i

a9.540.93 giunto lineare · linear joint 1 pz · pcs 0,1

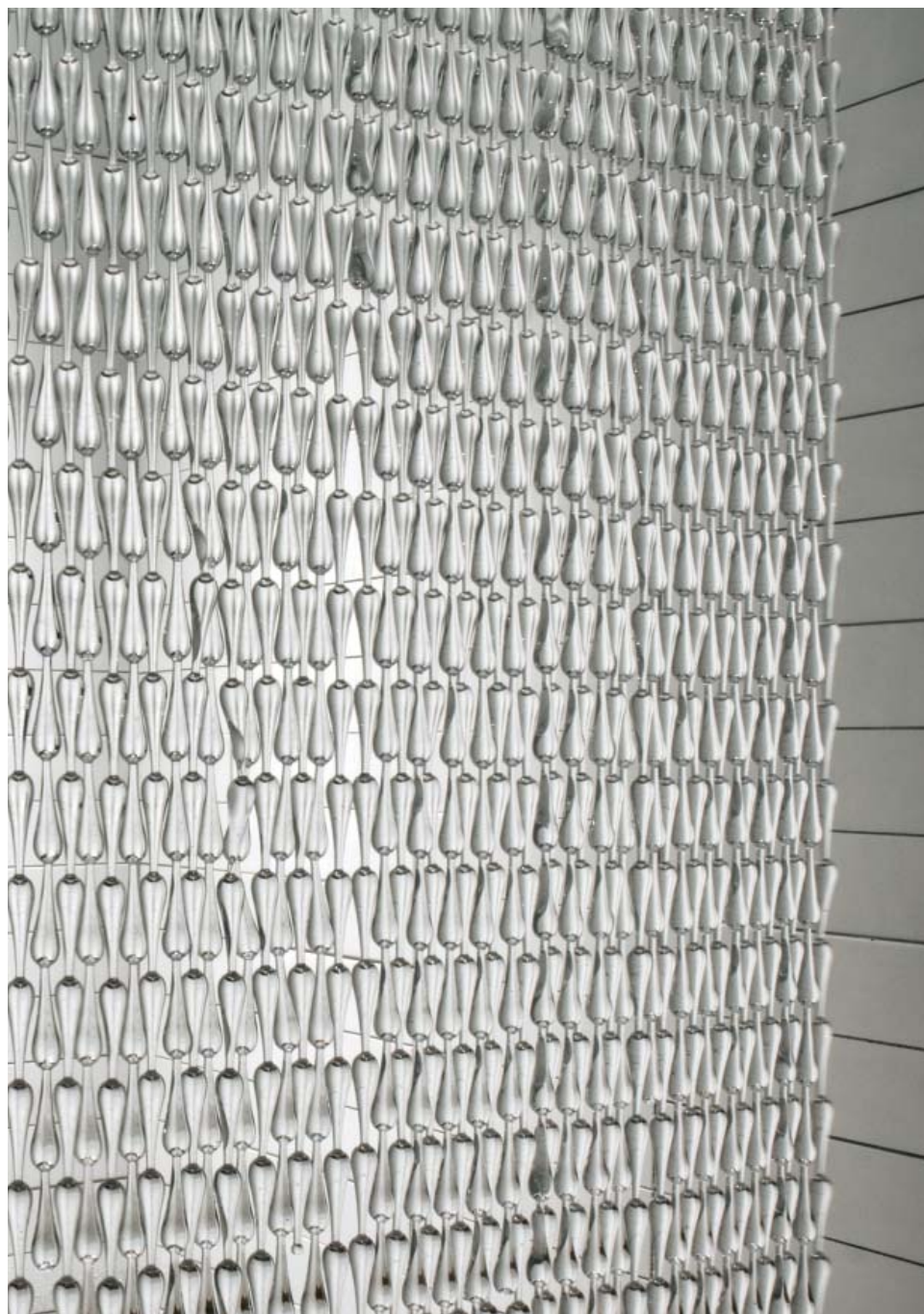
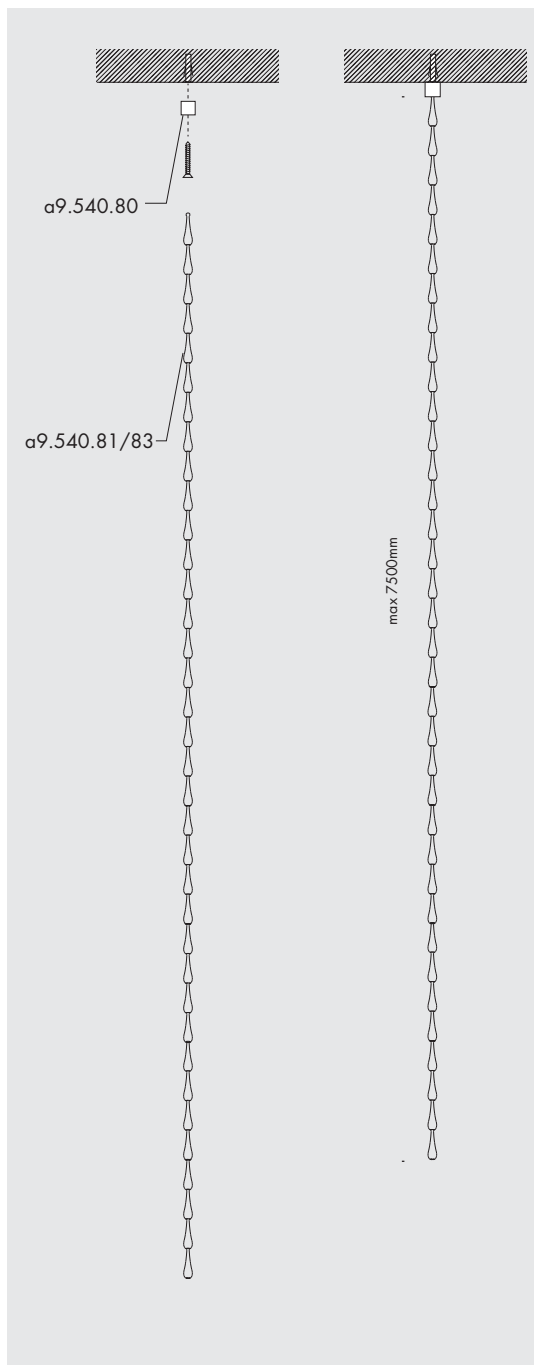
gocce tenda supporto singolo ☆ C E i

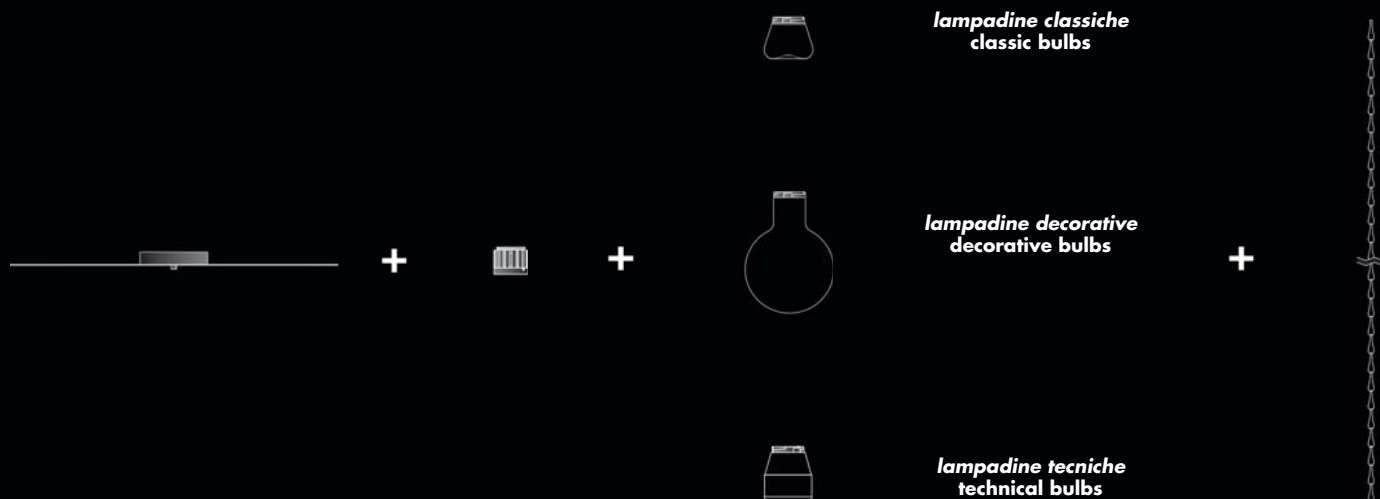
a9.540.80 polimetilmetacrilato · polymethyl methacrylate 0,01

catene di gocce. drops chains. ☆ C E i

a9.540.81 polimetilmetacrilato extra chiaro 1000mm 20 gocce · drops 0,1
extra-clear polymethyl methacrylate

a9.540.83 metacrilato extra chiaro 7500mm 150 gocce · drops 0,7
extra-clear polymethyl methacrylate



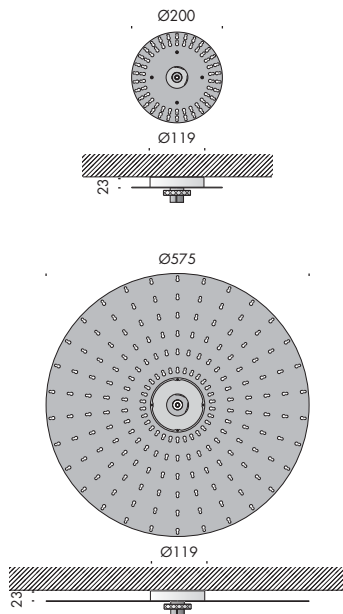


1. scegli la piastra circolare
choose the iastra circolare

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

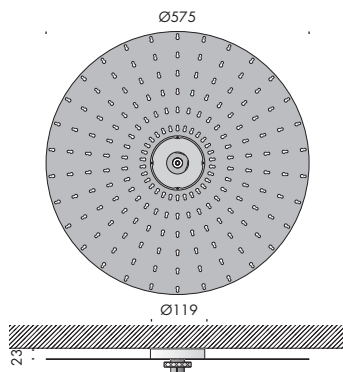
3. scegli la tua lampadina classica, decorativa e tecnica
choose your classic, decorative and technical bulb

4. scegli le catene di gocce
choose the drops chains

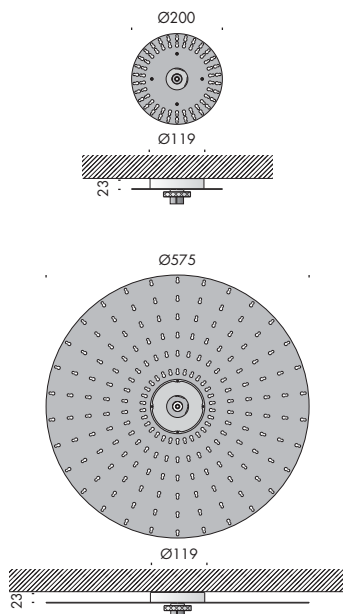


piastra circolare n55 system. circular plate. 240V 50-60Hz IP20

Vb9.540.91 acciaio inox · stainless steel Ø200 350÷1050mA 0,6

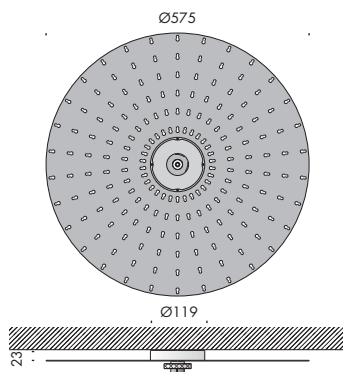


Vb9.540.92 acciaio inox · stainless steel Ø575 350÷1050mA 3,1



piastra circolare n55 system. circular plate.

Vb9.540.93 acciaio inox · stainless steel Ø200 350÷1050mA 0,6



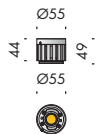
Vb9.540.94 acciaio inox · stainless steel Ø575 350÷1050mA 3,1



propulsore dinamico 55/350e										
				IP20						
Vb9.580.150.27				argento hacca		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
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
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 55/350e										
				IP20						
Vb9.580.50.27				argento hacca		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
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
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

 IP20

Vb9.580.62.27

argento hacca

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

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

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

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

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

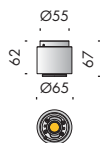
argento hacca

3000VbK

les9 

0,2

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

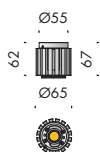
Ra	R9	ies tm-30		sdcn	mA	V _f (min)	lm	W	lm/W	
98	98	Rf 96	Rg 103	step 1	500	27,9	1580	14,0	113	A+
xm000	les19 ●	Ta25 °C		vita media · average life		70000 h		L80 B10		

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

Ra	R9	ies tm-30		sdcn	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

Ra	R9	ies tm-30		sdcn	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

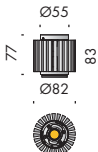
Ra	R9	ies tm-30		sdcn	mA	V _f (min)	lm	W	lm/W	
98	98	Rf 96	Rg 103	step 1	700	28,4	2140	19,9	108	A+
xm000	les19 ●	Ta25 °C		vita media · average life		70000 h		L80 B10		

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

Ra	R9	ies tm-30		sdcn	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

Ra	R9	ies tm-30		sdcn	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		



 IP20

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		

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		

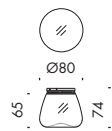
Ra	R9	ies tm-30		sdc	mA	$V_{f(min)}$	lm	W	lm/W	
98	98	Rf 93	Rg 106	step 1	700	27,9	1110	19,5	57	A
xe007	les9 	Ta25 °C		vita media · average life			70000 h	L80 B10		

 IP20

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		

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		

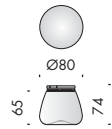
Ra	R9	ies tm-30		sdc	mA	V _{f (min)}	lm	W	lm/W	
98	98	Rf 93	Rg 106	step 1	1050	29,0	3000	30,5	98	A+
xm007	les19  Ta25 °C		vita media · average life			70000 h		L80 B10		



Vb9.580.01.t

hm01 trasparente · transparent

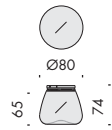
0,05



Vb9.580.01.s

hm01 sabbiata · sanded

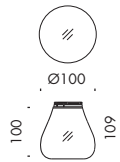
0,05



Vb9.580.01.b

hm01 bianco latte · milk white

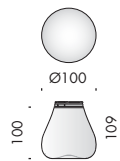
0,05



Vb9.580.02.t

hm02 trasparente · transparent

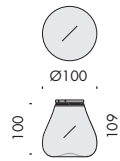
0,1



Vb9.580.02.s

hm02 sabbiata · sanded

0,1

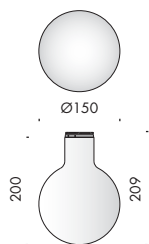


Vb9.580.02.b

hm02 bianco latte · milk white

0,1





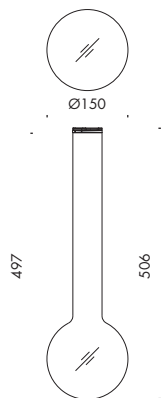
mario nanni



Vb9.580.03.s

mn01 sabbiato · sanded

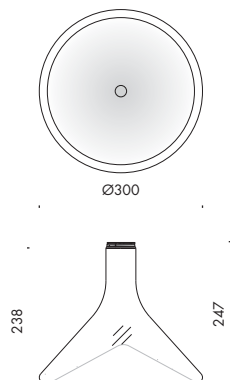
0,3



Vb9.580.04.t

mn02 trasparente · transparent

0,5



gio tirotto

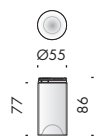


Vb9.580.17.t

gt01 trasparente · transparent

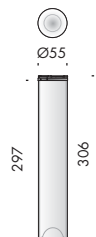
1

david chipperfield



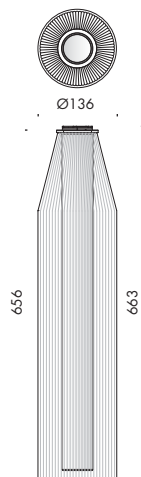
Vb9.580.05.s dc01 sabbiato · sanded

0,1



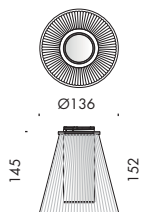
Vb9.580.06.s dc02 sabbiato · sanded

0,3



Vb9.580.19.tr dc03 trasparente, rigato
transparent, striped

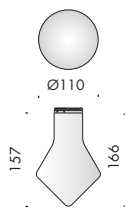
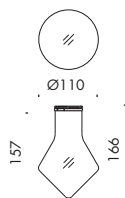
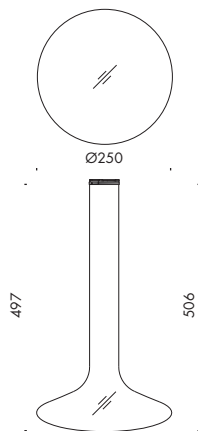
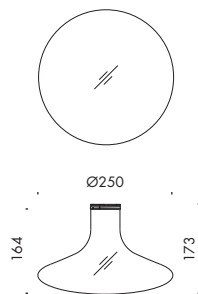
0,7



Vb9.580.20.tr dc04 trasparente, rigato e sabbiato
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

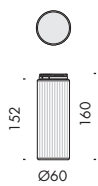
pz03 trasparente · transparent

0,2

Vb9.580.11.s

pz03 sabbiato · sanded

0,2

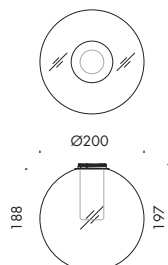


al-jawad pike



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

0,2

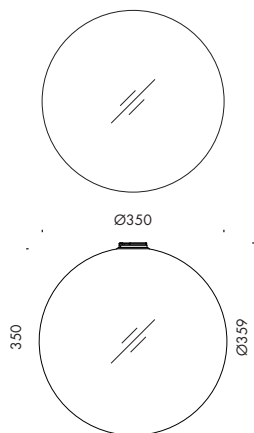


oma



Vb9.580.14.t oma02 trasparente · transparent

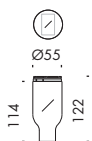
0,4



Vb9.580.15.t oma03 trasparente · transparent

1,4





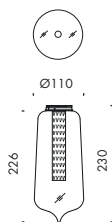
kengo kuma



Vb9.580.07.c

kk01 cristallo · crystal

0,3



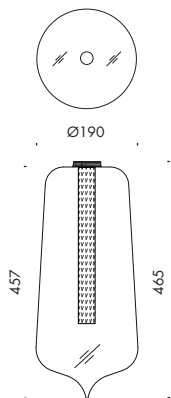
marcio kogan



Vb9.580.111.t

mk01 trasparente · transparent

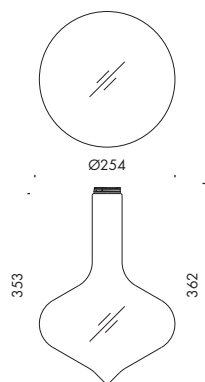
0,4



Vb9.580.112.t

mk02 trasparente · transparent

1,8

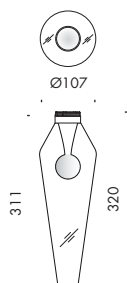


rdai



Vb9.580.12.t rdai01 trasparente · transparent

0,6

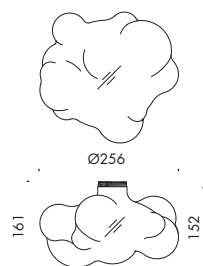


tzach cohen



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

0,4

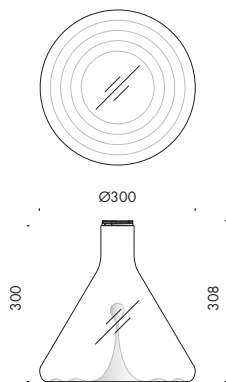


winy maas



Vb9.580.09.t wm01 trasparente · transparent

0,6



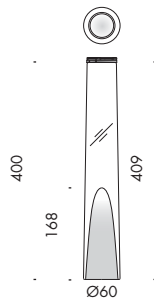
max lam



Vb9.580.13.t

ml01 trasparente · transparent

1,4



domenico de palo



Vb9.580.114.t

ddp01 trasparente,sabbiato · transparent, sanded

0,5



accessori per lampadina trasparente. transparent bulb accessories.



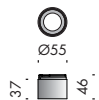
Vb9.580.160

trappola di luce antiabbagliamento nero
anti-glare black light trap

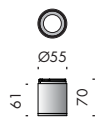
0,03



spot35		★	CE	i
Vb9.580.21	argento hacca	87° les19	0,1	



spot55x37		★	CE	i
Vb9.580.121	argento hacca	18° les9	0,1	
Vb9.580.123	argento hacca	23° les9	30° les19	0,1
Vb9.580.125	argento hacca	36° les9	38° les19	0,1

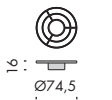
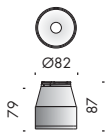
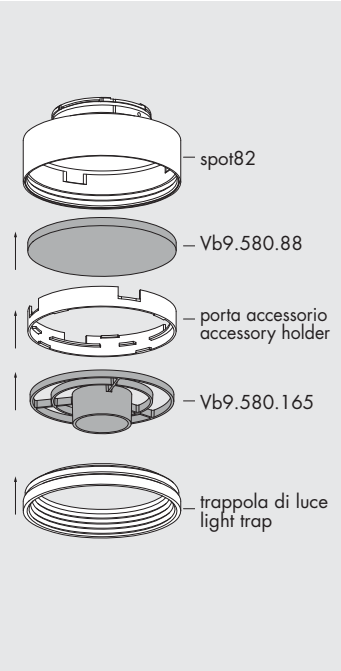
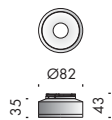


spot55x61		★	CE	i
Vb9.580.25	argento hacca	36° les19	0,2	
Vb9.580.27	argento hacca	47° les19	0,2	



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

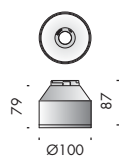




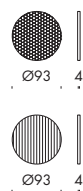
spot82x35			★	CE	i
Vb9.580.131	argento hacca	13° les9 ●			0,1
Vb9.580.133	argento hacca	19° les9 ●			0,1
Vb9.580.135	argento hacca	23° les9 ●	31° les19 ●		0,1
Vb9.580.139	argento hacca	35° les9 ●	42° les19 ●		0,1

spot82x79		★	CE	i
Vb9.580.31	argento hacca	23° les19	●	0,2
Vb9.580.33	argento hacca	37° les19	●	0,2
Vb9.580.35	argento hacca	46° les19	●	0,2

accessori spot82. accessories.		★	CE	i
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

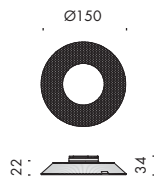


spot100			★	CE	i
Vb9.580.37	argento hacca	10° les9 ● 16° les19 ●	0,1		
Vb9.580.39	argento hacca	22° les9 ● 25° les19 ●	0,1		
Vb9.580.41	argento hacca	40° les19 ●	0,1		
Vb9.580.43	argento hacca	54° les19 ●	0,1		

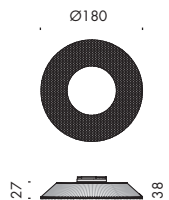


accessori spot100. accessories.			★	CE	i
Vb9.580.93	frangiluce nido d'ape · honeycomb louvre		0,01		
Vb9.580.94	lente ellittica · elliptical lens		0,05		

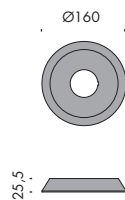




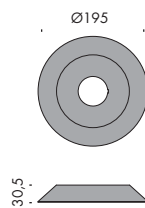
lensoptica amP150		★ C€ i		
Vb9.518.91	fascio stretto · narrow beam	13°	les9 ●	0,3
		22°	les19 ●	
Vb9.518.92	fascio largo · wide beam	51°	les19 ●	0,3



lensoptica amP180		★ C€ i		
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

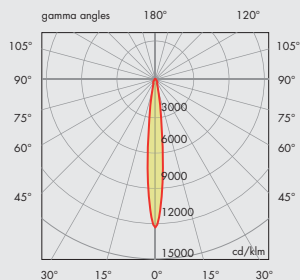


riflettore in metallo 150		★ C€ i		
Vb9.518.95.h	argento hacca			0,1

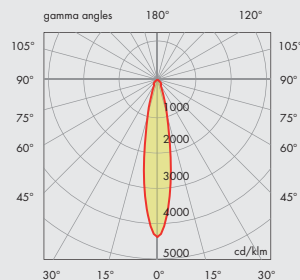


riflettore in metallo 180		★ C€ i		
Vb9.518.96.h	argento hacca			0,1

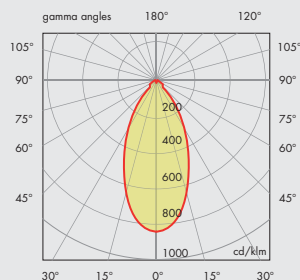
lensoptica amP150 13° les9 ●
fascio stretto · narrow beam



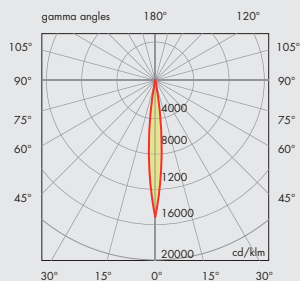
lensoptica amP150 22° les19 ●
fascio stretto · narrow beam



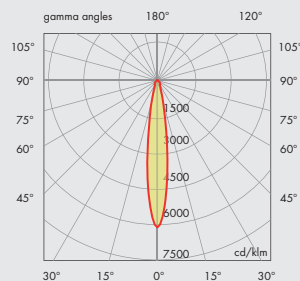
lensoptica amP150 51° les19 ●
fascio largo · wide beam



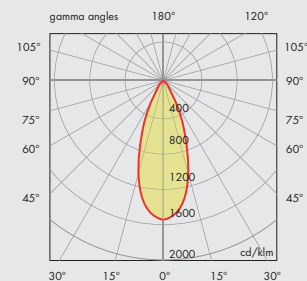
lensoptica amP180 10° les9 ●
fascio stretto · narrow beam



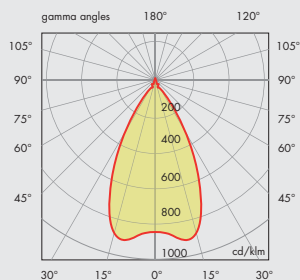
lensoptica amP180 15° les19 ●
fascio stretto · narrow beam



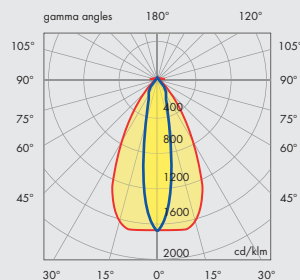
lensoptica amP180 41° les19 ●
fascio medio · medium beam



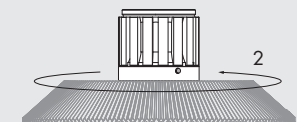
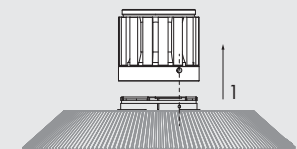
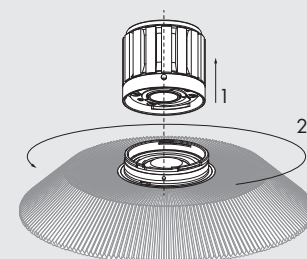
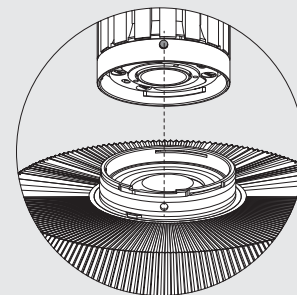
lensoptica amP180 53° les19 ●
fascio largo · wide beam



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 $UGR < 19$.

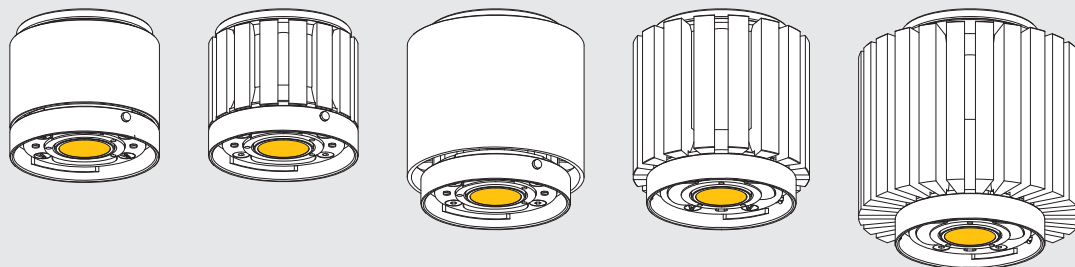
lensoptica amP is the result of a long research and development process made by Viabizzuno on a david chipperfield architects with arup, international engineering studio, design to provide electronic light sources with a high efficiency optics that can have either a focused and a diffuse light.

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.

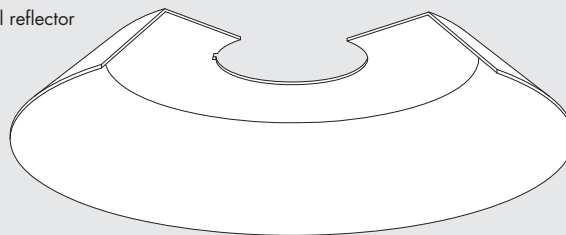
the microlens array precisely regulates the angular amplitude of the light beam.

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

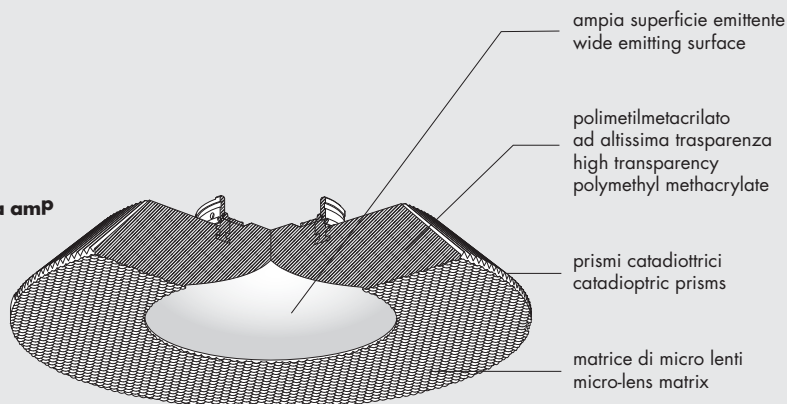
propulsore dinamico n55

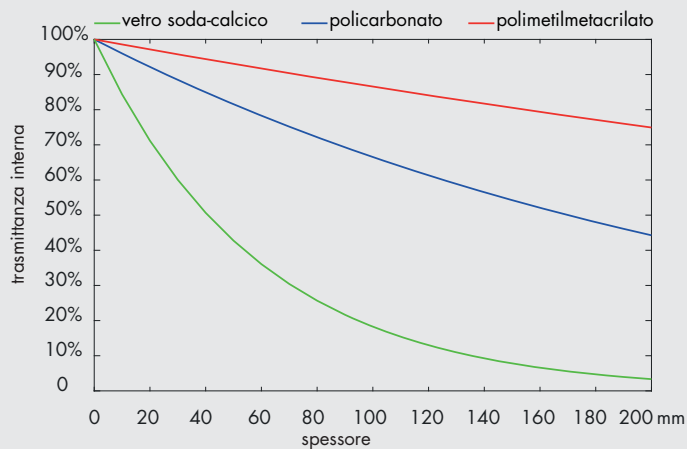


riflettore in metallo · metal reflector



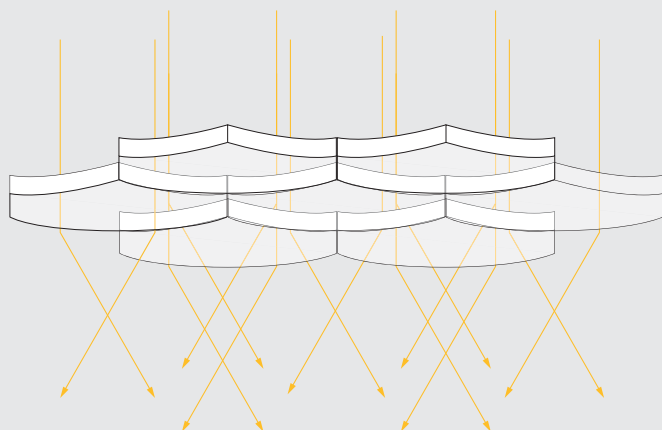
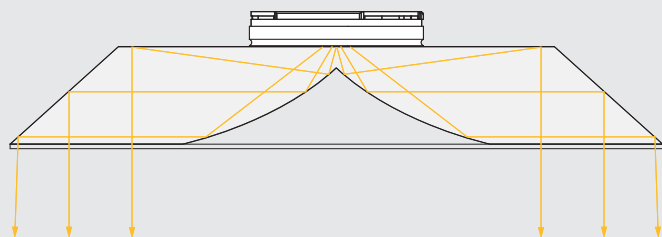
lensoptica amP





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 calcalico	0,017 mm ⁻¹
poli carbonato	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.

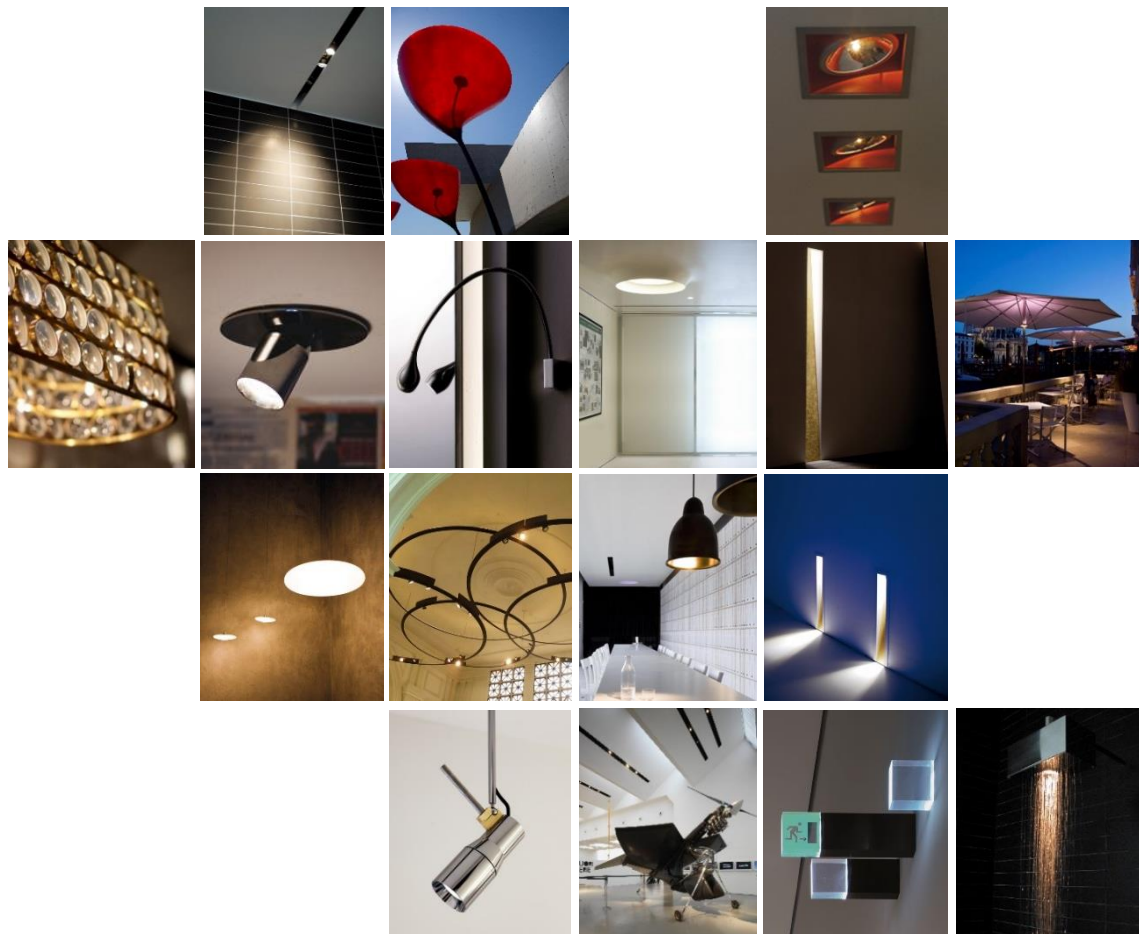
lensoptica amP emitter surface is equipped with a microlens array. each microlens receives a collimated beam and according to its curvature it enlarges the angular opening in a controlled way.

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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