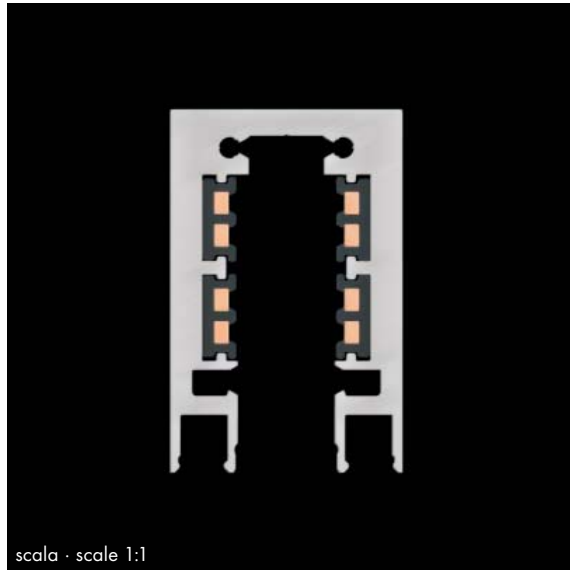




brevettato · patented



sistema a binario per interni IP20.

realizzato con profilo di alluminio estruso ossidato 30x48mm fino a 6000mm.

otto conduttori di rame di sezione 3mm² formano quattro linee di accensione fino a 5 ampere.

predisposto per alloggiare adattatori per interfacce sistema n55 in versione orientabile e sospensione.

modelli:

a1 system senza sorgente elettronica,

a1 system con sorgente elettronica completo di estruso in policarbonato satinato.

cablato con sorgente elettronica lineare 2700K o 3000K fino a 2x20W/m 2000lm/m con regolatori di corrente integrati per luce diffusa. propulsori dinamici n55 abbinabili:

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.

i propulsori dinamici n55 hanno sorgente elettronica 2700K, 3000K o 3000Vb K (progettato per il settore alta moda) Ra98 1 step macadam. l'apposito attacco n55 permette di intercambiare tre tipi di lampadina: classica, decorativa e tecnica.

alimentatore a tensione costante 48Vdc escluso, da installare remoto.

accessori: adattatore di alimentazione fornito con cavo 8x1mm² 3000mm, giunti lineari, giunti angolari.

finiture: argento hacca e nero55.

IP20 rated track system for indoor use.

made of 30x48mm oxidized extruded aluminium profile up to 6000mm long.

eight copper conductors of 3mm² section create four power lines up to 5 ampere.

designed to accommodate adaptors for n55 system interfaces adjustable and suspension version.

versions:

a1 system without led sources,

a1 system with led sources provided with extruded frosted polycarbonate.

wired with linear 2700K or 3000K led source up to 2x20W/m 2000lm/m with integrated current controllers for diffuse light.

matching 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.

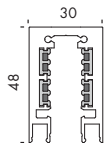
the propulsori dinamici n55 have 2700K, 3000K or 3000Vb K (designed for the high fashion industry) led source Ra98 1 step macadam.

the specific n55 joint ables to change easily tre type of bulbs: classic, decorative and technical.

constant voltage 48Vdc power supply not included, to be installed remotely.

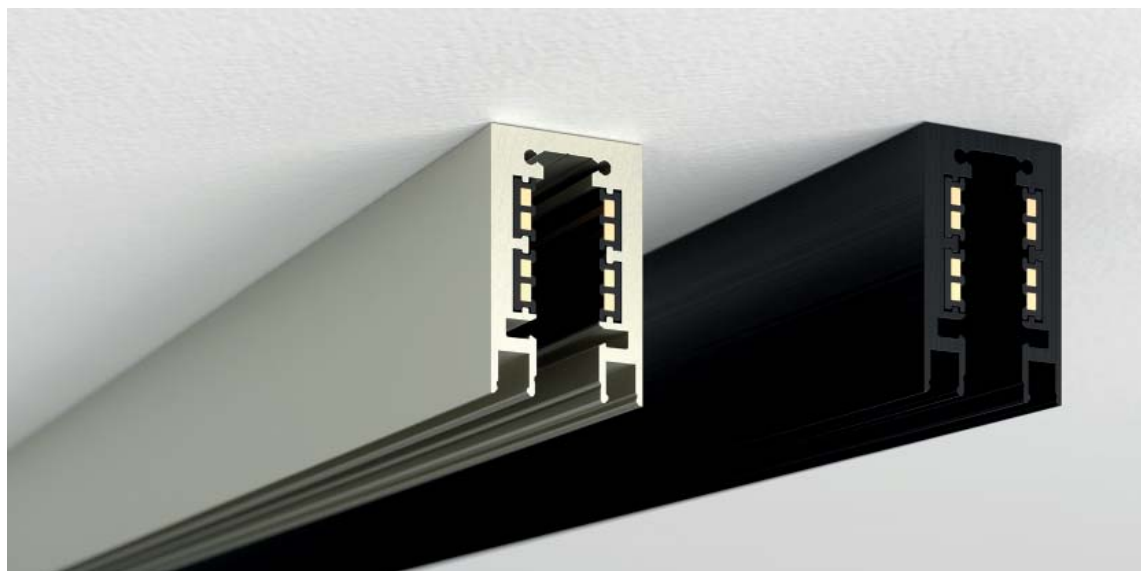
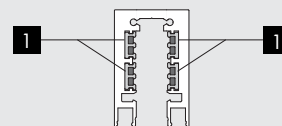
accessories: power supply adapter provided with 8x1mm² 3000mm long cable, linear joints, angular joints.

finishes: argento hacca and nero55.



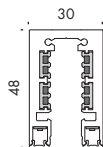
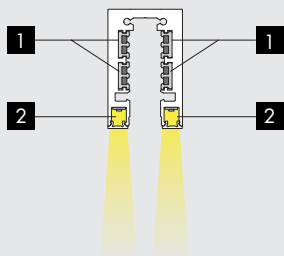
a1 system		48Vdc			IP20		CE	
Vb6.613.01	nero55				6000mm			9
Vb6.613.02	argento hacca				6000mm			9
Vb6.613.05	nero55				3000mm			4,5
Vb6.613.06	argento hacca				3000mm			4,5
Vb6.613.11	nero55				2000mm			3
Vb6.613.12	argento hacca				2000mm			3
Vb6.613.15	nero55				1000mm			1,5
Vb6.613.16	argento hacca				1000mm			1,5

a1 system



1 alimentazione 48Vdc
power supply

a1 system



1 alimentazione 48Vdc
power supply

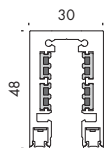
2 linea di luce 13W/m

a1 system		48Vdc			IP20			CE	
Vb6.613.01.27	nero55	2700K	2x78W	6000mm	9				
Vb6.613.02.27	argento hacca	2700K	2x78W	6000mm	9				
Vb6.613.05.27	nero55	2700K	2x39W	3000mm	4,5				
Vb6.613.06.27	argento hacca	2700K	2x39W	3000mm	4,5				
Vb6.613.11.27	nero55	2700K	2x26W	2000mm	3				
Vb6.613.12.27	argento hacca	2700K	2x26W	2000mm	3				
Vb6.613.15.27	nero55	2700K	2x13W	1000mm	1,5				
Vb6.613.16.27	argento hacca	2700K	2x13W	1000mm	1,5				

Ra	R9	ies tm/30		sdc	Vf	lm/m	W/m	lm/W	
95	90	Rf 90	Rg 98	step 2	48	1200	13	92	A+
V0010	5,9	Ta25 °C		vita media · average life		50000 h	L80	B10	

Vb6.613.01.30	nero55	3000K	2x78W	6000mm	9				
Vb6.613.02.30	argento hacca	3000K	2x78W	6000mm	9				
Vb6.613.05.30	nero55	3000K	2x39W	3000mm	4,5				
Vb6.613.06.30	argento hacca	3000K	2x39W	3000mm	4,5				
Vb6.613.11.30	nero55	3000K	2x26W	2000mm	3				
Vb6.613.12.30	argento hacca	3000K	2x26W	2000mm	3				
Vb6.613.15.30	nero55	3000K	2x13W	1000mm	1,5				
Vb6.613.16.30	argento hacca	3000K	2x13W	1000mm	1,5				

Ra	R9	ies tm-30		sdc	Vf	lm/m	W/m	lm/W	
95	90	Rf 93	Rg 102	step 2	48	1250	13	96	A+
V0011	5,9	Ta25 °C		vita media · average life		50000 h	L80	B10	



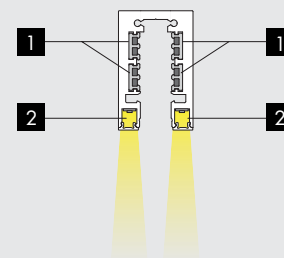
Vb6.613.21.27	nero55	2700K	2x120W	6000mm	9
Vb6.613.22.27	argento hacca	2700K	2x120W	6000mm	9
Vb6.613.25.27	nero55	2700K	2x60W	3000mm	4,5
Vb6.613.26.27	argento hacca	2700K	2x60W	3000mm	4,5
Vb6.613.31.27	nero55	2700K	2x40W	2000mm	3
Vb6.613.32.27	argento hacca	2700K	2x40W	2000mm	3
Vb6.613.35.27	nero55	2700K	2x20W	1000mm	1,5
Vb6.613.36.27	argento hacca	2700K	2x20W	1000mm	1,5

Ra	R9	ies lm/30		sdcn	Vf	lm/m	W/m	lm/W	
95	90	Rf 90	Rg 98	step 2	48	1850	20	93	A+
V0020	5,9	Ta25 °C		vita media · average life		50000 h	L80	B10	

Vb6.613.21.30	nero55	3000K	2x120W	6000mm	9
Vb6.613.22.30	argento hacca	3000K	2x120W	6000mm	9
Vb6.613.25.30	nero55	3000K	2x60W	3000mm	4,5
Vb6.613.26.30	argento hacca	3000K	2x60W	3000mm	4,5
Vb6.613.31.30	nero55	3000K	2x40W	2000mm	3
Vb6.613.32.30	argento hacca	3000K	2x40W	2000mm	3
Vb6.613.35.30	nero55	3000K	2x20W	1000mm	1,5
Vb6.613.36.30	argento hacca	3000K	2x20W	1000mm	1,5

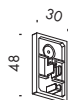
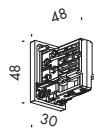
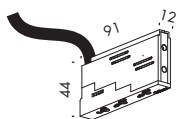
Ra	R9	ies lm/30		sdcn	Vf	lm/m	W/m	lm/W	
95	90	Rf 93	Rg 102	step 2	48	2000	20	100	A+
V0021	5,9	Ta25 °C		vita media · average life		50000 h	L80	B10	

a1 system



1 alimentazione 48Vdc
power supply

2 linea di luce 20W/m



componenti. components.		☆	CE	i
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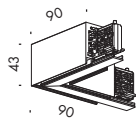
Vb6.613.40	adattatore di alimentazione nero con 8 contatti black feeding head with 8 contacts	0,5
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Vb6.613.41	terminale nero per alimentazione linea di luce linea di luce black feeding terminal	0,2
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accessori. accessories.		☆	CE	i
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Vb6.613.42	terminale cieco nero · black blind terminal	0,1
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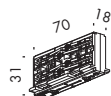
Vb6.613.43	terminale nero per adattatore di alimentazione black terminal for power supply	0,1
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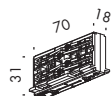
accessori. accessories. ★ CE i

Vb6.613.44 giunto angolare 90° collegamento meccanico nero55 0,5
angular joint 90° mechanical joint

Vb6.613.45 giunto angolare 90° collegamento meccanico argento hacca 0,5
angular joint 90° mechanical joint



Vb6.613.46 giunto lineare elettrificato nero · black 0,2
linear electrified joint



Vb6.613.47 giunto lineare meccanico nero · black 0,2
linear mechanical joint

alimentatori. power supplies. 240V 50-60Hz/48V A CE i

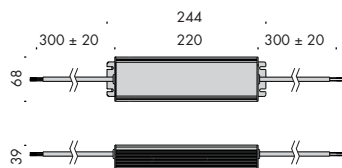
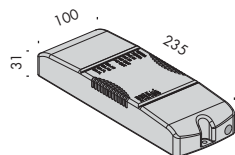
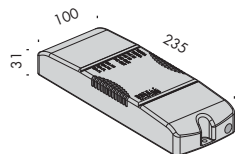
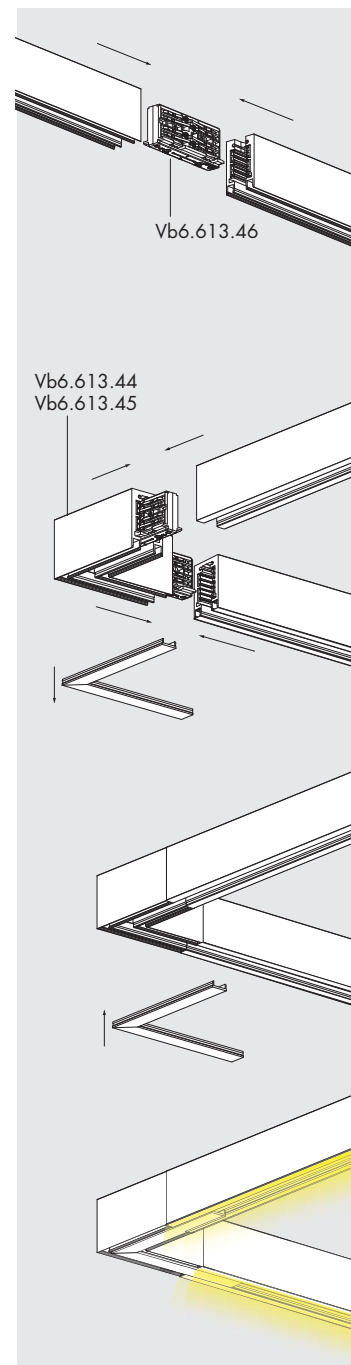
t4.055 dimmerabile dali · dali dimmable 75W 0,15

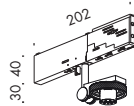
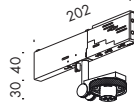
t4.056 dimmerabile dali · dali dimmable 150W 0,15

t4.057 on/off 75W 0,15

t4.058 on/off 150W 0,15

t4.053 on/off 240W 1,1



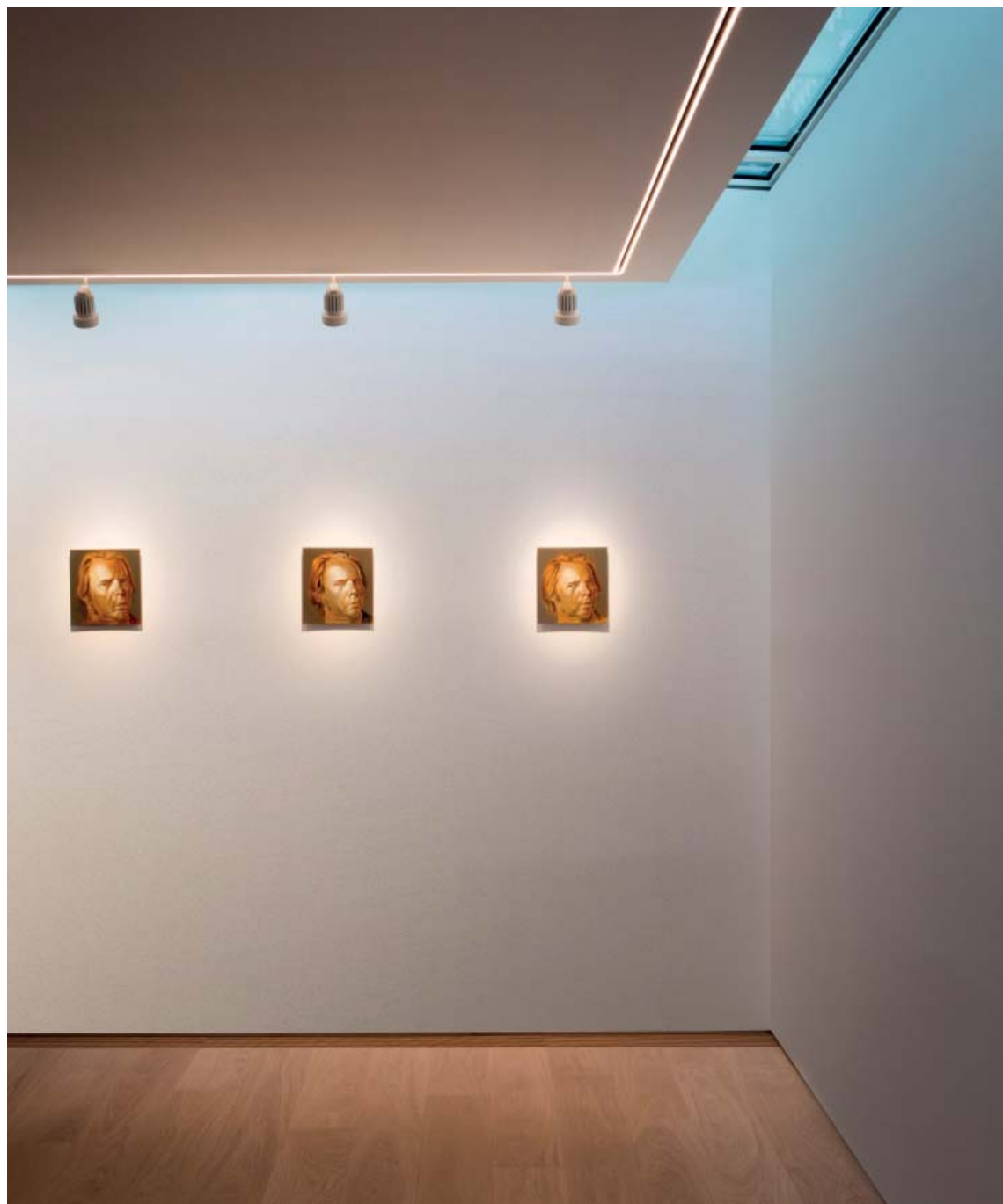


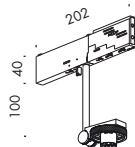
adattatore nero 350/500/700/1050mA. black adapter. 48Vdc

Vb6.613.50	orientabile con interfaccia n55 adjustable with n55 interface	nero55	on/off	0,3
Vb6.613.51	orientabile con interfaccia n55 adjustable with n55 interface	argento hacca	on/off	0,3
Vb6.613.55	orientabile con interfaccia n55 adjustable with n55 interface	nero55	dali	0,3
Vb6.613.56	orientabile con interfaccia n55 adjustable with n55 interface	argento hacca	dali	0,3

adattatore nero 350/500/700mA. black adapter. 48Vdc

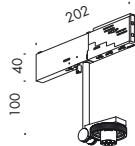
Vb6.613.55.350	orientabile con interfaccia n55 adjustable with n55 interface	nero55	dali	350mA	0,3
Vb6.613.56.350	orientabile con interfaccia n55 adjustable with n55 interface	argento hacca	dali	350mA	0,3
Vb6.613.55.500	orientabile con interfaccia n55 adjustable with n55 interface	nero55	dali	500mA	0,3
Vb6.613.56.500	orientabile con interfaccia n55 adjustable with n55 interface	argento hacca	dali	500mA	0,3
Vb6.613.55.700	orientabile con interfaccia n55 adjustable with n55 interface	nero55	dali	700mA	0,3
Vb6.613.56.700	orientabile con interfaccia n55 adjustable with n55 interface	argento hacca	dali	700mA	0,3





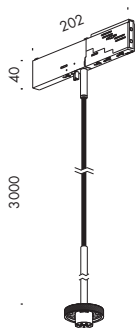
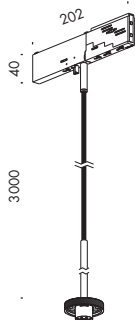
adattatore nero 350/500/700/1050mA. black adapter. 48Vdc

Vb6.613.52	orientabile con interfaccia n55 adjustable with n55 interface	nero55	on/off	0,4
Vb6.613.54	orientabile con interfaccia n55 adjustable with n55 interface	argento hacca	on/off	0,4
Vb6.613.57	orientabile con interfaccia n55 adjustable with n55 interface	nero55	dali	0,4
Vb6.613.58	orientabile con interfaccia n55 adjustable with n55 interface	argento hacca	dali	0,4



adattatore nero 350/500/700mA. black adapter. 48Vdc

Vb6.613.57.350	orientabile con interfaccia n55 adjustable with n55 interface	nero55	dali	350mA	0,4
Vb6.613.58.350	orientabile con interfaccia n55 adjustable with n55 interface	argento hacca	dali	350mA	0,4
Vb6.613.57.500	orientabile con interfaccia n55 adjustable with n55 interface	nero55	dali	500mA	0,4
Vb6.613.58.500	orientabile con interfaccia n55 adjustable with n55 interface	argento hacca	dali	500mA	0,4
Vb6.613.57.700	orientabile con interfaccia n55 adjustable with n55 interface	nero55	dali	700mA	0,4
Vb6.613.58.700	orientabile con interfaccia n55 adjustable with n55 interface	argento hacca	dali	700mA	0,4



adattatore nero 350/500/700/1050mA. black adapter. 48Vdc

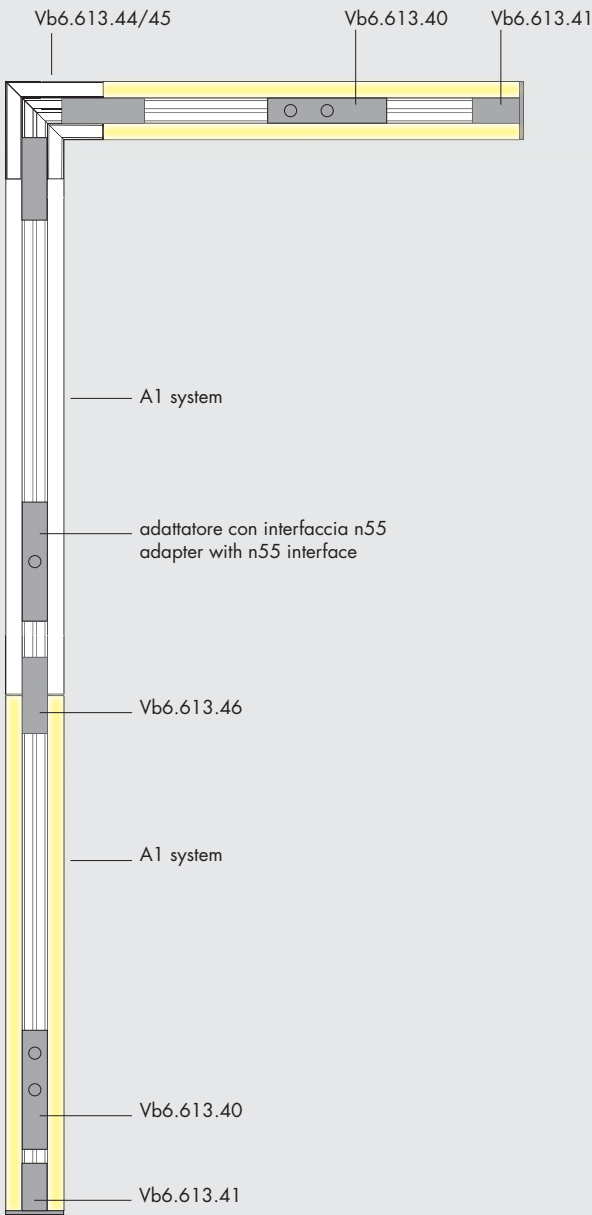
Vb6.613.70	sospensione con interfaccia n55 nero55 suspension with n55 interface	on/off	0,4
Vb6.613.71	sospensione con interfaccia n55 argento hacca suspension with n55 interface	on/off	0,4
Vb6.613.75	sospensione con interfaccia n55 nero55 suspension with n55 interface	dali	0,4
Vb6.613.76	sospensione con interfaccia n55 argento hacca suspension with n55 interface	dali	0,4

adattatore nero 350/500/700mA. black adapter. 48Vdc

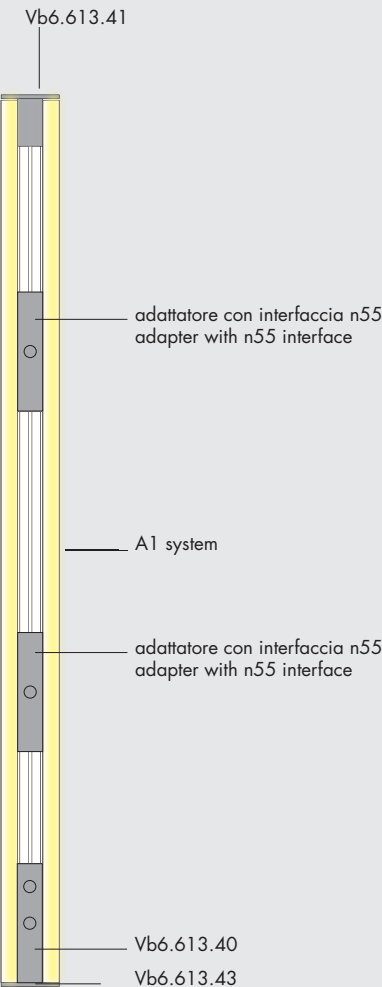
Vb6.613.75.350	sospensione con interfaccia n55 nero55 suspension with n55 interface	dali	350mA	0,4
Vb6.613.76.350	sospensione con interfaccia n55 argento hacca suspension with n55 interface	dali	350mA	0,4
Vb6.613.75.500	sospensione con interfaccia n55 nero55 suspension with n55 interface	dali	500mA	0,4
Vb6.613.76.500	sospensione con interfaccia n55 argento hacca suspension with n55 interface	dali	500mA	0,4
Vb6.613.75.700	sospensione con interfaccia n55 nero55 suspension with n55 interface	dali	700mA	0,4
Vb6.613.76.700	sospensione con interfaccia n55 argento hacca suspension with n55 interface	dali	700mA	0,4



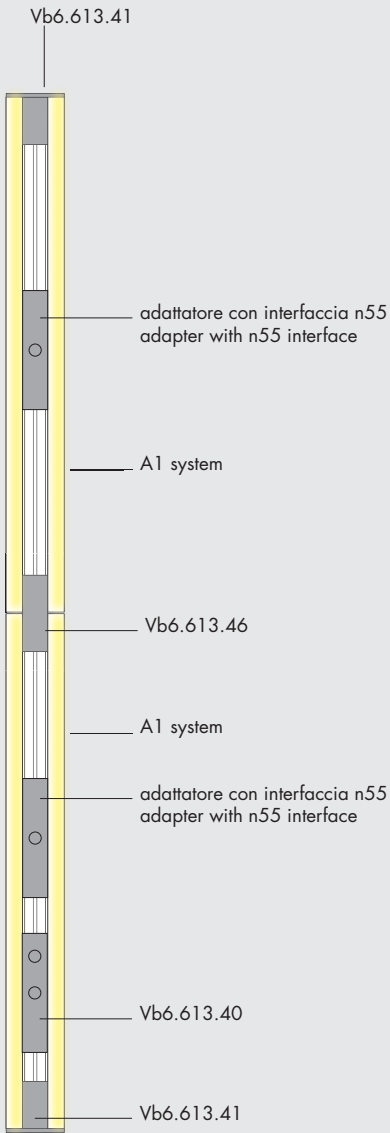
max 6m luce continua · continue light



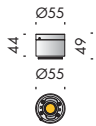
max 6m luce continua · continue light



max 12m luce continua · continue light







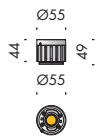
propulsore dinamico 55/350e						IP20			CE	
Vb9.580.150.27	argento hacca			2700K			les19 	0,2		
Vb9.580.151.27	nero55			2700K			les19 	0,2		
Vb9.580.152.27	my bianco			2700K			les19 	0,2		
Ra	R9	ies tm-30		sdc	mA	V _{f (min)}	lm	W	lm/W	
98	98	Rf 96	Rg 103	step 1	350	27,6	1240	9,7	128	A++
xm000	les19 	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



CE



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 **IP20**

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		



propulsore dinamico 55/500



IP20



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		sdcn	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		

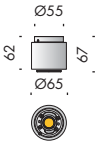
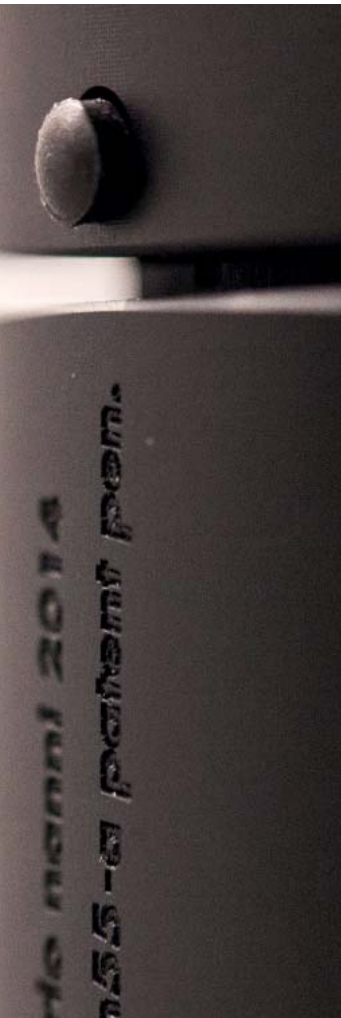
Vb9.580.101.30	argento hacca	3000K	les9 ●	0,2
Vb9.580.102.30	nero55	3000K	les9 ●	0,2
Vb9.580.103.30	my bianco	3000K	les9 ●	0,2

Ra	R9	ies tm-30		sdcn	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		sdcn	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		★	CE	
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



CE



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

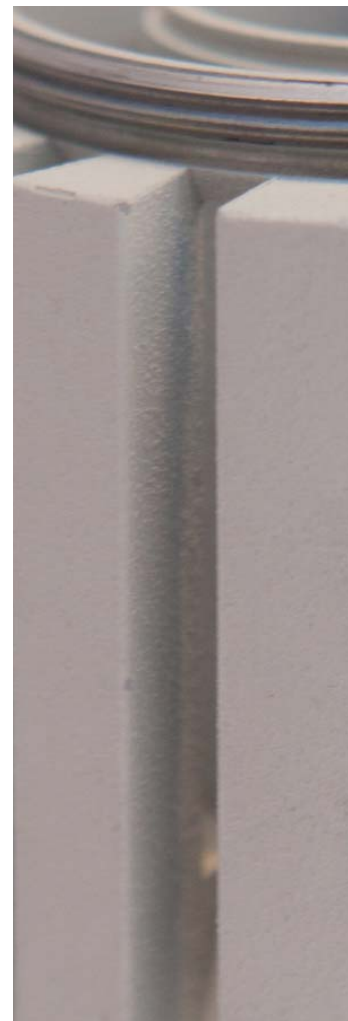
Ra	R9	ies tm-30		sdc	mA	V _f (min)	lm	W	lm/W	
98	98	Rf 96	Rg 103	step 1	700	28,4	2140	19,9	108	A+
xm000	les19	Ta25 °C		vita media · average life			70000 h	L80 B10		

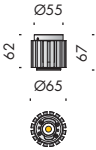
Vb9.580.54.30	argento hacca	3000K	les19	0,3
Vb9.580.55.30	nero55	3000K	les19	0,3
Vb9.580.56.30	my bianco	3000K	les19	0,3

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

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

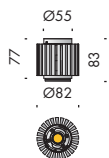
Ra	R9	ies tm-30		sdc	mA	V _{f (min)}	lm	W	lm/W	
98	98	Rf 96	Rg 103	step 1	700	27,9	1110	19,5	57	A
xe000	les9	Ta25 °C		vita media · average life			70000 h	L80 B10		

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	3000Vb K	les9	0,3
Vb9.580.107.30v	nero55	3000Vb K	les9	0,3
Vb9.580.108.30v	my bianco	3000Vb K	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			CE	
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		

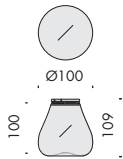
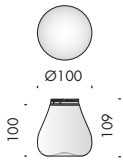
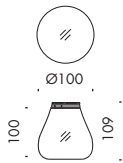
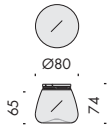
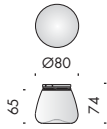
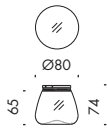
Vb9.580.58.30	argento hacca	3000K	les19	0,5						
Vb9.580.59.30	nero55	3000K	les19	0,5						
Vb9.580.60.30	my bianco	3000K	les19	0,5						

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	3000Vb K	les19	0,5						
Vb9.580.59.30v	nero55	3000Vb K	les19	0,5						
Vb9.580.60.30v	my bianco	3000Vb K	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		☆	CE	🔌
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Vb9.580.01.t	hm01 trasparente · transparent	0,05
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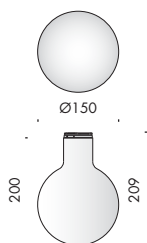
Vb9.580.01.s	hm01 sabbiata · sanded	0,05
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Vb9.580.01.b	hm01 bianco latte · milk white	0,05
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Vb9.580.02.t	hm02 trasparente · transparent	0,1
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Vb9.580.02.s	hm02 sabbiata · sanded	0,1
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Vb9.580.02.b	hm02 bianco latte · milk white	0,1
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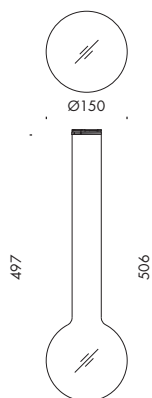
mario nanni



Vb9.580.03.s

mn01 sabbiato · sanded

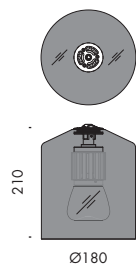
0,3



Vb9.580.04.t

mn02 trasparente · transparent

0,5



luigi lanzi

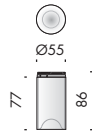


Vb9.580.170

ll01 nero fumè · black smoke

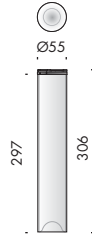
1,6



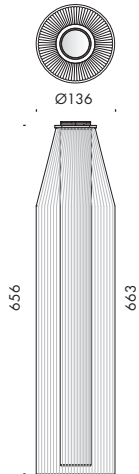


david chipperfield		★ CE ⓘ
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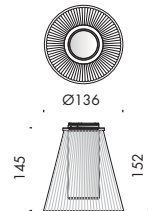
Vb9.580.05.s dc01 sabbiato · sanded 0,1



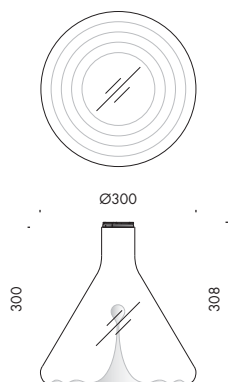
Vb9.580.06.s dc02 sabbiato · sanded 0,3



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

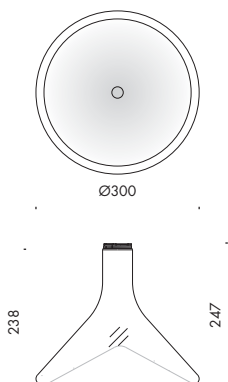


max lam



Vb9.580.13.t ml01 trasparente · transparent

1,4

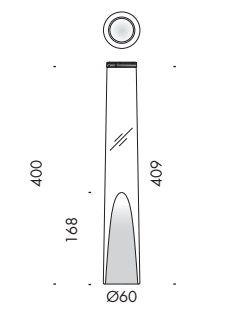


gio tirotto



Vb9.580.17.t gt01 trasparente · transparent

1



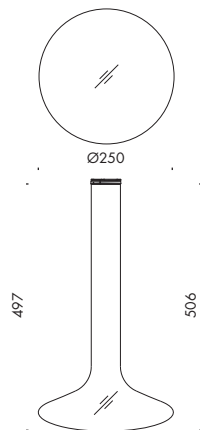
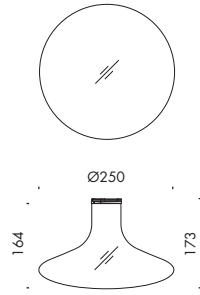
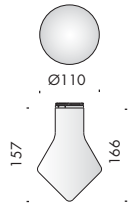
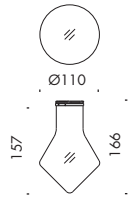
domenico de palo



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

0,5





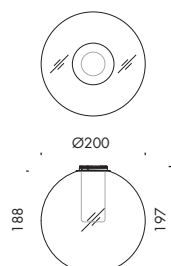
Vb9.580.11.t	pz03 trasparente · transparent	0,2
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Vb9.580.11.s	pz03 sabbiato · sanded	0,2
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Vb9.580.08.t	pz01 trasparente · transparent	0,3
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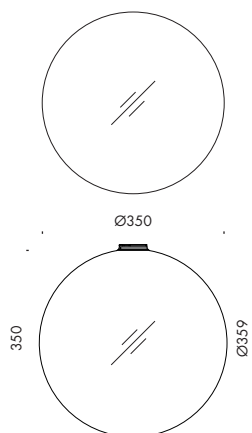
Vb9.580.10.t	pz02 trasparente · transparent	0,6
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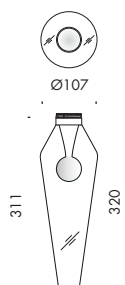


oma ☆ CE !

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

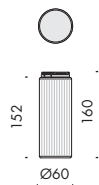


Vb9.580.15.t oma03 trasparente · transparent 1,4

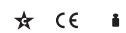


tzach cohen ☆ CE !

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

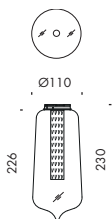


al-jawad pike

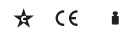


Vb9.580.18.tr aip01 trasparente, rigato · transparent, striped

0,2

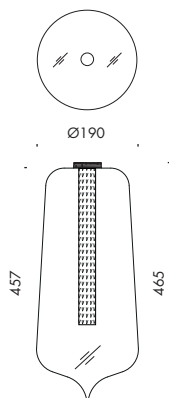


marcio kogan



Vb9.580.111.t mk01 trasparente · transparent

0,4



Vb9.580.112.t mk02 trasparente · transparent

1,8

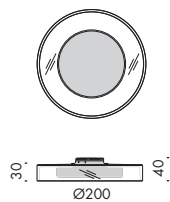


neri&hu



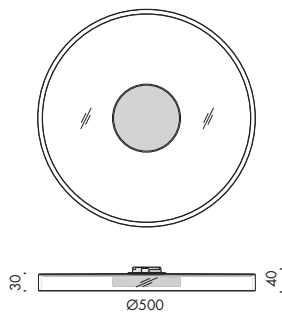
Vb9.580.116.ts nh01 trasparente, sabbiato · transparent, sanded

0,9

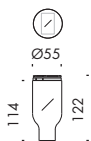


Vb9.580.117.ts nh02 trasparente, sabbiato · transparent, sanded

2,9







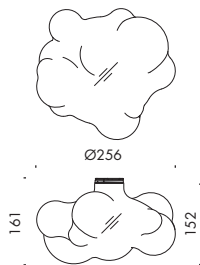
kengo kuma



Vb9.580.07.c

kk01 cristallo · crystal

0,3



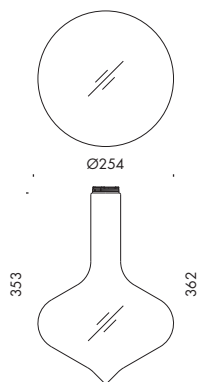
winy maas



Vb9.580.09.t

wm01 trasparente · transparent

0,6



rdai



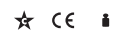
Vb9.580.12.t

rdai01 trasparente · transparent

0,6



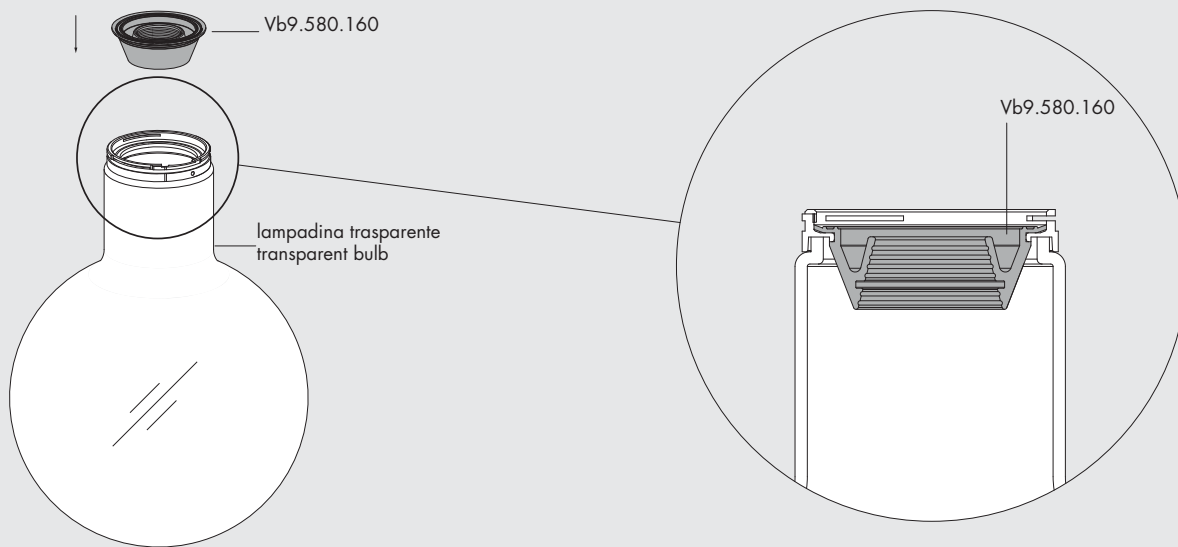
accessori per lampadina trasparente. transparent bulb accessories.

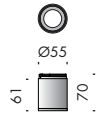
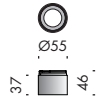
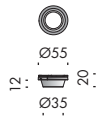


Vb9.580.160

trappola di luce antiabbagliamento nero
anti-glare black light trap

0,03



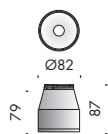


spot35		★	CE	i
Vb9.580.21	argento hacca	87° les19	0,1	
Vb9.580.22	nero55	87° les19	0,1	
Vb9.580.22.b	my bianco	87° les19	0,1	

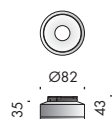
spot55x37		★	CE	i
Vb9.580.121	argento hacca	18° les9	0,1	
Vb9.580.122	nero55	18° les9	0,1	
Vb9.580.122.b	my bianco	18° les9	0,1	
Vb9.580.123	argento hacca	23° les9	30° les19	0,1
Vb9.580.124	nero55	23° les9	30° les19	0,1
Vb9.580.124.b	my bianco	23° les9	30° les19	0,1
Vb9.580.125	argento hacca	36° les9	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	i
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. accessories.		★	CE	i
Vb9.580.91	frangiluce nido d'ape · honeycomb louvre		0,01	
Vb9.580.92	lente ellittica · elliptical lens		0,04	

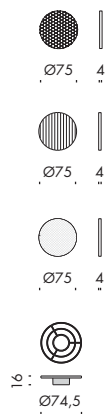


spot82x79			★	CE	!
Vb9.580.31	argento hacca	23° les19 ●	0,2		
Vb9.580.32	nero55	23° les19 ●	0,2		
Vb9.580.32.b	my bianco	23° les19 ●	0,2		
Vb9.580.33	argento hacca	37° les19 ●	0,2		
Vb9.580.34	nero55	37° les19 ●	0,2		
Vb9.580.34.b	my bianco	37° les19 ●	0,2		
Vb9.580.35	argento hacca	46° les19 ●	0,2	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



spot82x35			★	CE	!
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		

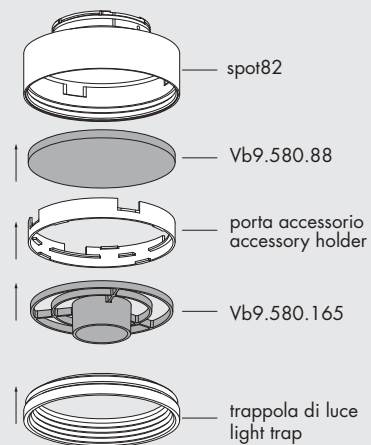
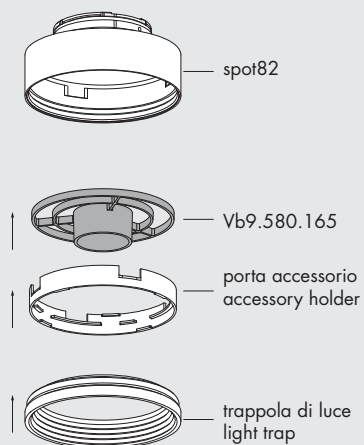


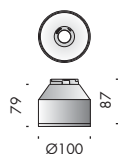


accessori spot82. accessories.



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



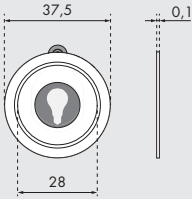


spot100			★	CE	i
Vb9.580.37	argento hacca	10° les9 ● 16° les19 ●	0,1		
Vb9.580.38	nero55	10° les9 ● 16° les19 ●	0,1		
Vb9.580.38.b	my bianco	10° les9 ● 16° les19 ●	0,1		
Vb9.580.39	argento hacca	22° les9 ● 25° les19 ●	0,1		
Vb9.580.40	nero55	22° les9 ● 25° les19 ●	0,1		
Vb9.580.40.b	my bianco	22° les9 ● 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		

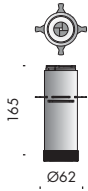
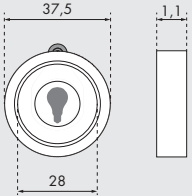


accessori spot100. accessories.			★	CE	i
Vb9.580.93	frangiluce nido d'ape · honeycomb louvre		0,01		
Vb9.580.94	lente ellittica · elliptical lens		0,05		

dimensioni gobos in acciaio
steel gobos size



dimensioni gobos in vetro
glass gobos size



spot sagomatore



Vb9.580.120 sagomatore · profile spot 0,7

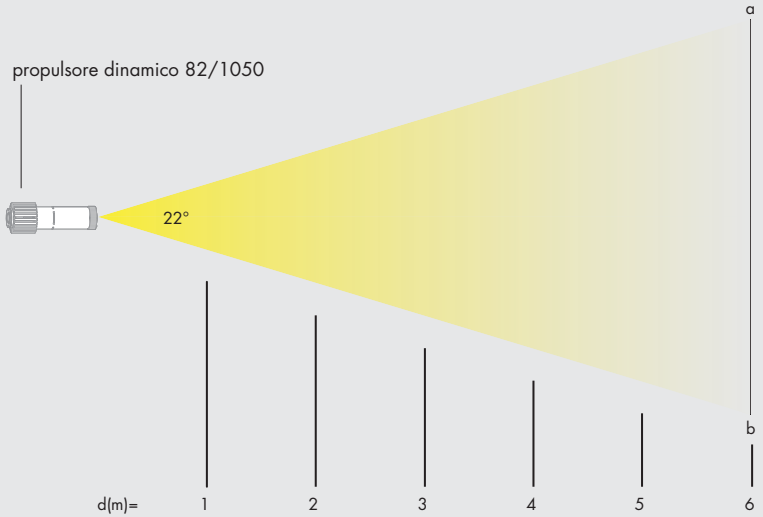
accessori. accessories.



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

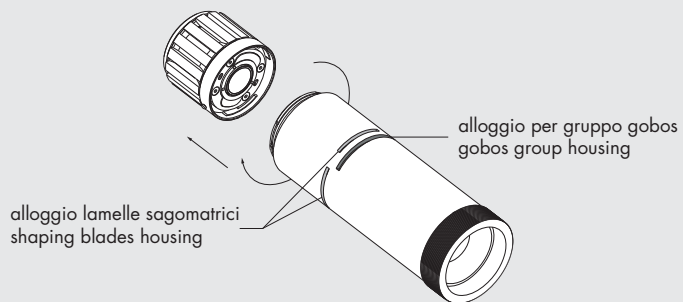
propulsore dinamico 82/1050



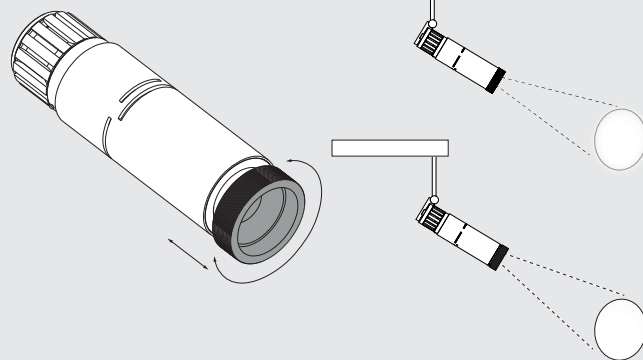
d (m)	ab (m)	e _{max} (lx)	e _{med} (lx)
1	0,38	2761	2273
2	0,76	690	568
3	1,14	307	253
4	1,51	173	142
5	1,89	110	91
6	2,27	77	63



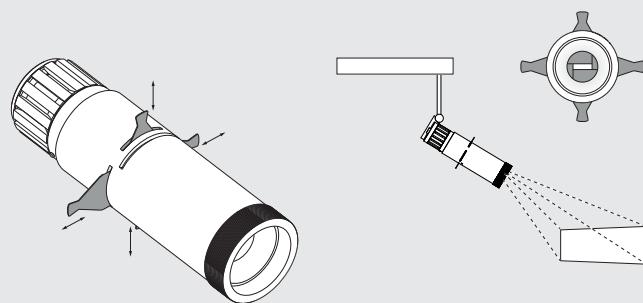
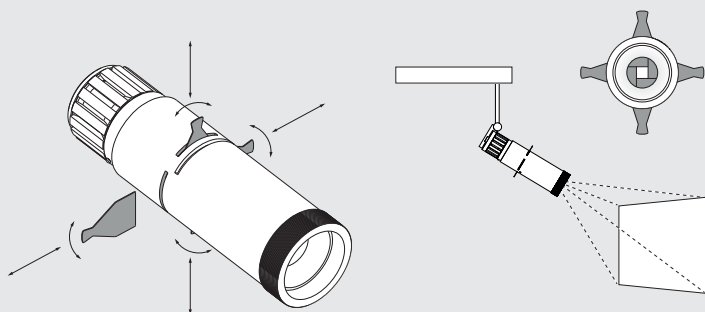
montaggio su propulsore dinamico n55
propeller mounting



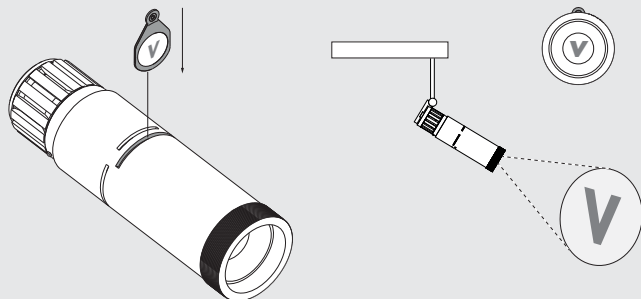
messa a fuoco · focus



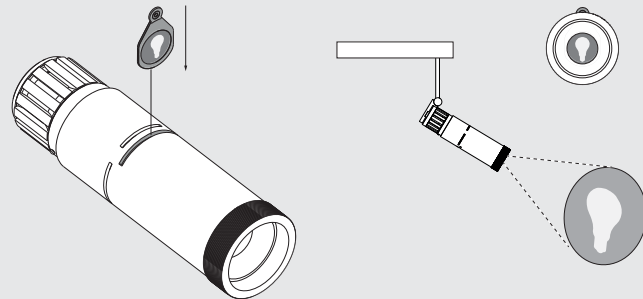
uso delle lamelle sagomatrici · use of shaping blades

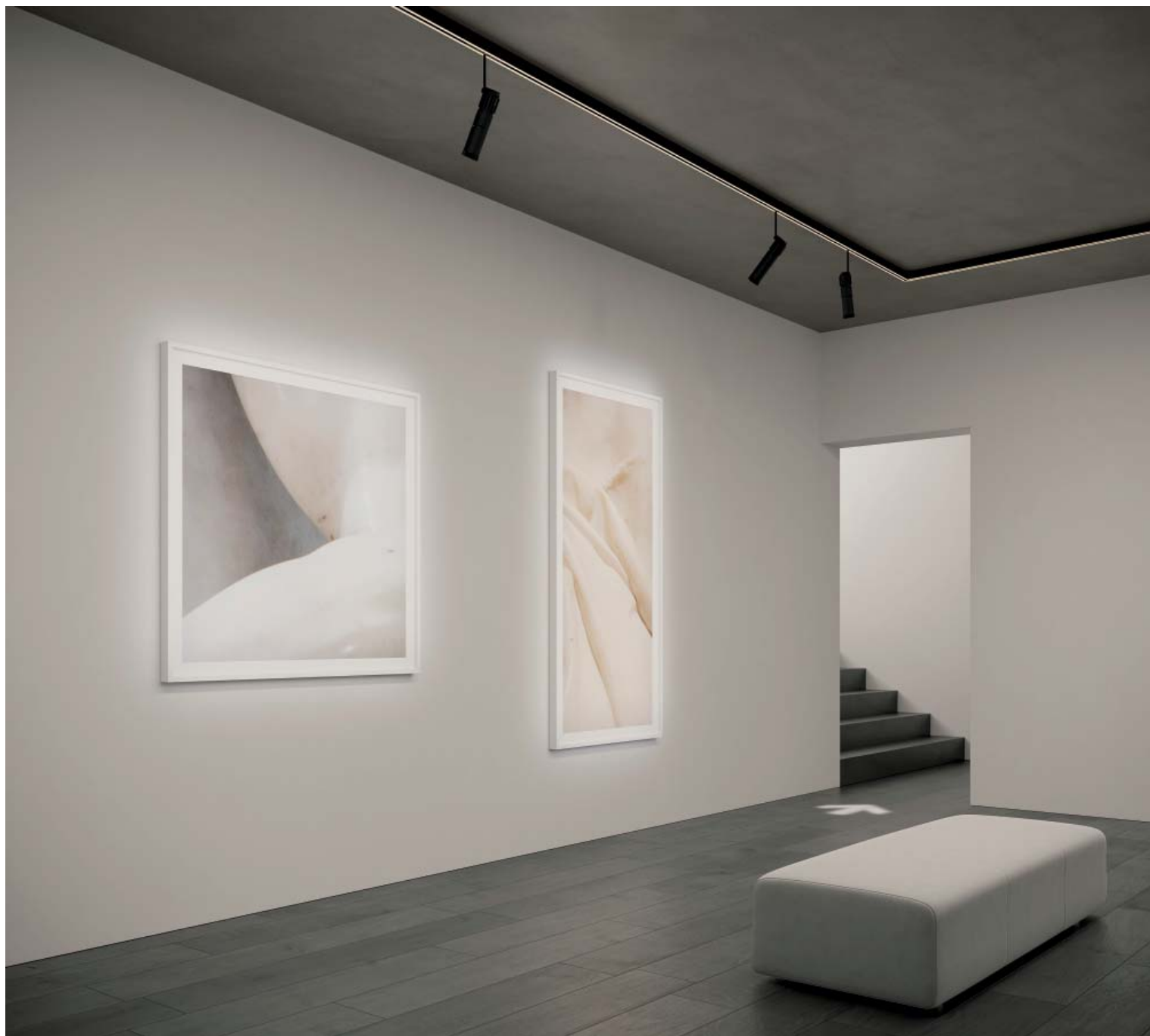


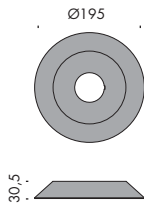
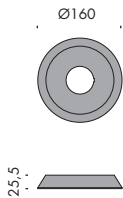
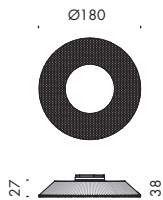
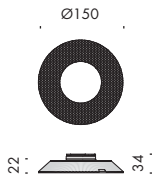
gobo in vetro non incluso
glass gobos not included



gobo in acciaio non incluso
steel gobos not included







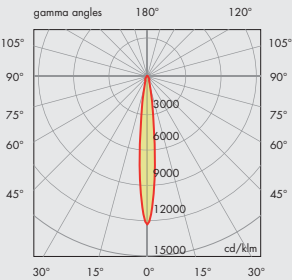
lensoptica amP150		★	CE	ⓘ
Vb9.518.91	fascio stretto · narrow beam	13°	les9 ●	0,3
		22°	les19 ●	
Vb9.518.92	fascio largo · wide beam	51°	les19 ●	0,3

lensoptica amP180		★	CE	ⓘ
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

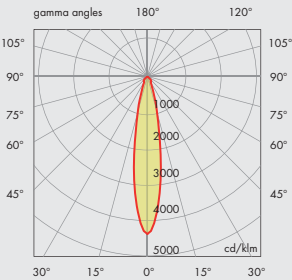
riflettore in metallo 150		★	CE	ⓘ
Vb9.518.95.n	nero55			0,1
Vb9.518.95.mb	my bianco			0,1
Vb9.518.95.h	argento hacca			0,1

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

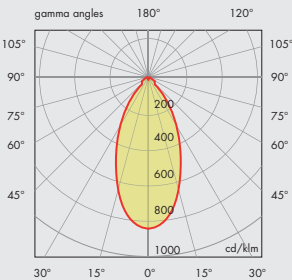
lensoptica amP150 13° les9 ●
fascio stretto · narrow beam



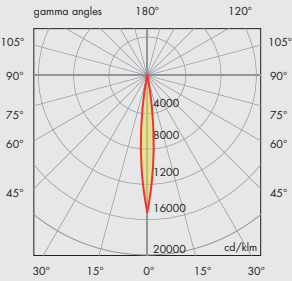
lensoptica amP150 22° les19 ●
fascio stretto · narrow beam



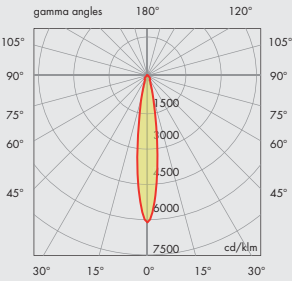
lensoptica amP150 51° les19 ●
fascio largo · wide beam



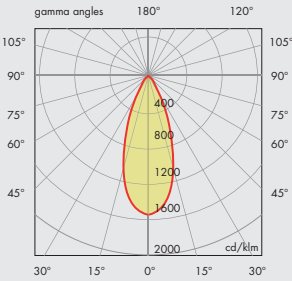
lensoptica amP180 10° les9 ●
fascio stretto · narrow beam



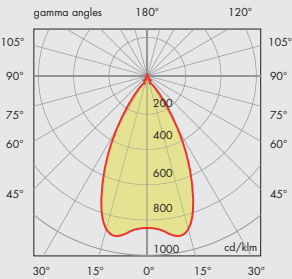
lensoptica amP180 15° les19 ●
fascio stretto · narrow beam



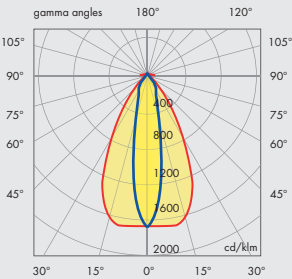
lensoptica amP180 41° les19 ●
fascio medio · medium beam



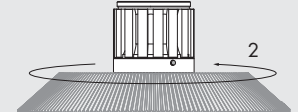
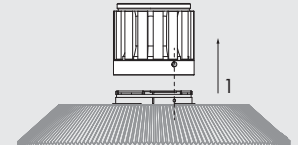
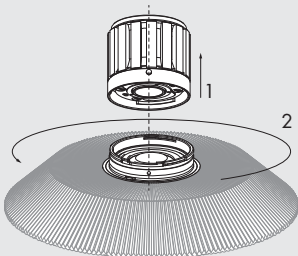
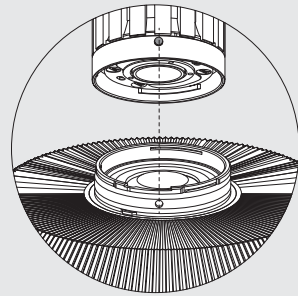
lensoptica amP180 53° les19 ●
fascio largo · wide beam



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



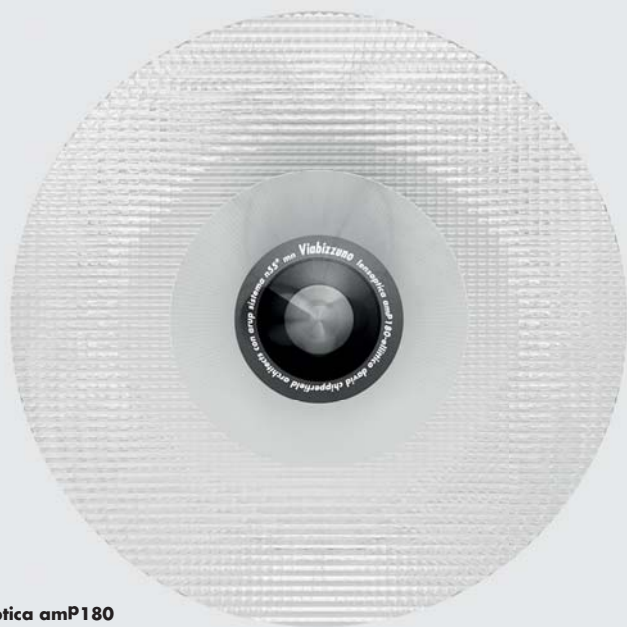
lensoptica amP180
fascio stretto · narrow beam



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 $UGR < 19$.

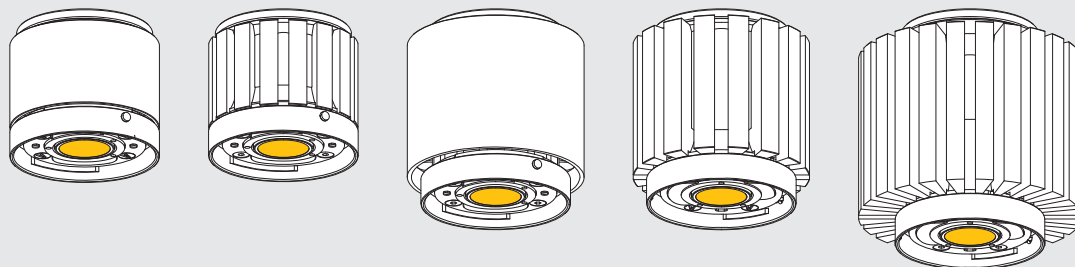
lensoptica amP is the result of a long research and development process made by Viabizzuno on a david chipperfield architects with arup, international engineering studio, design to provide electronic light sources with a high efficiency optics that can have either a focused and a diffuse light.

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.

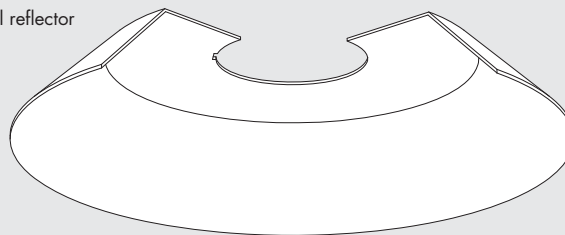
the microlens array precisely regulates the angular amplitude of the light beam.

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

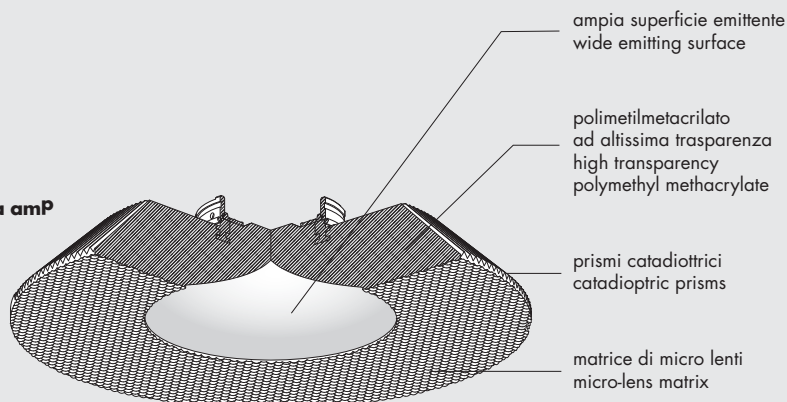
propulsore dinamico n55

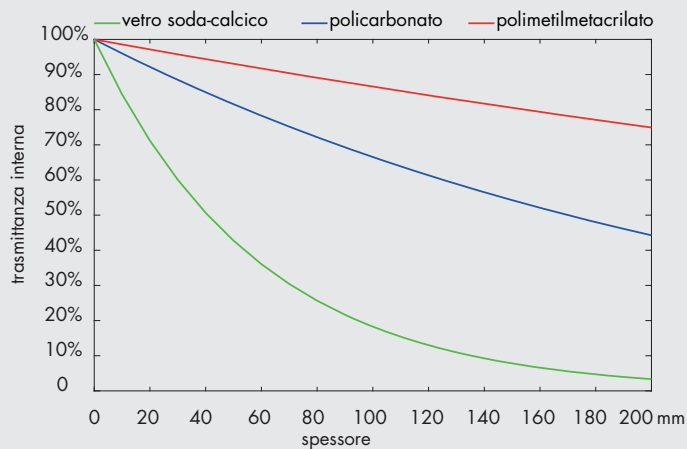


riflettore in metallo · metal reflector



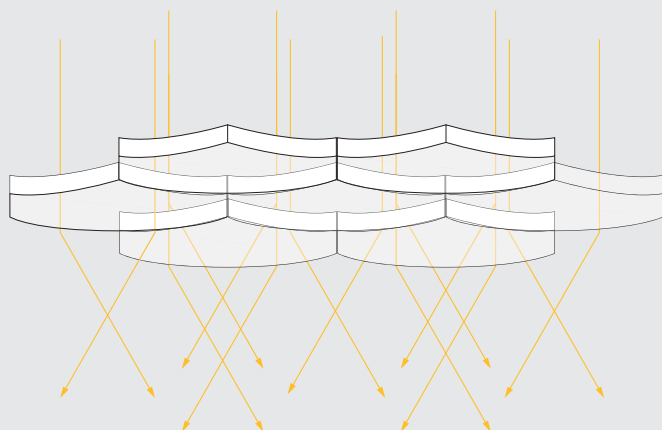
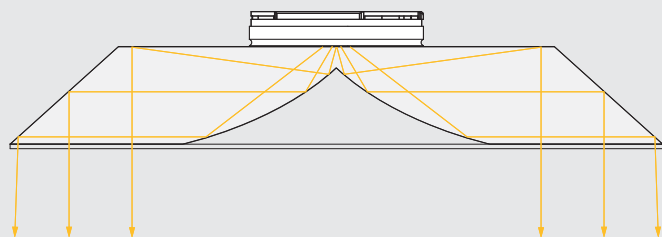
lensoptica amP





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 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.

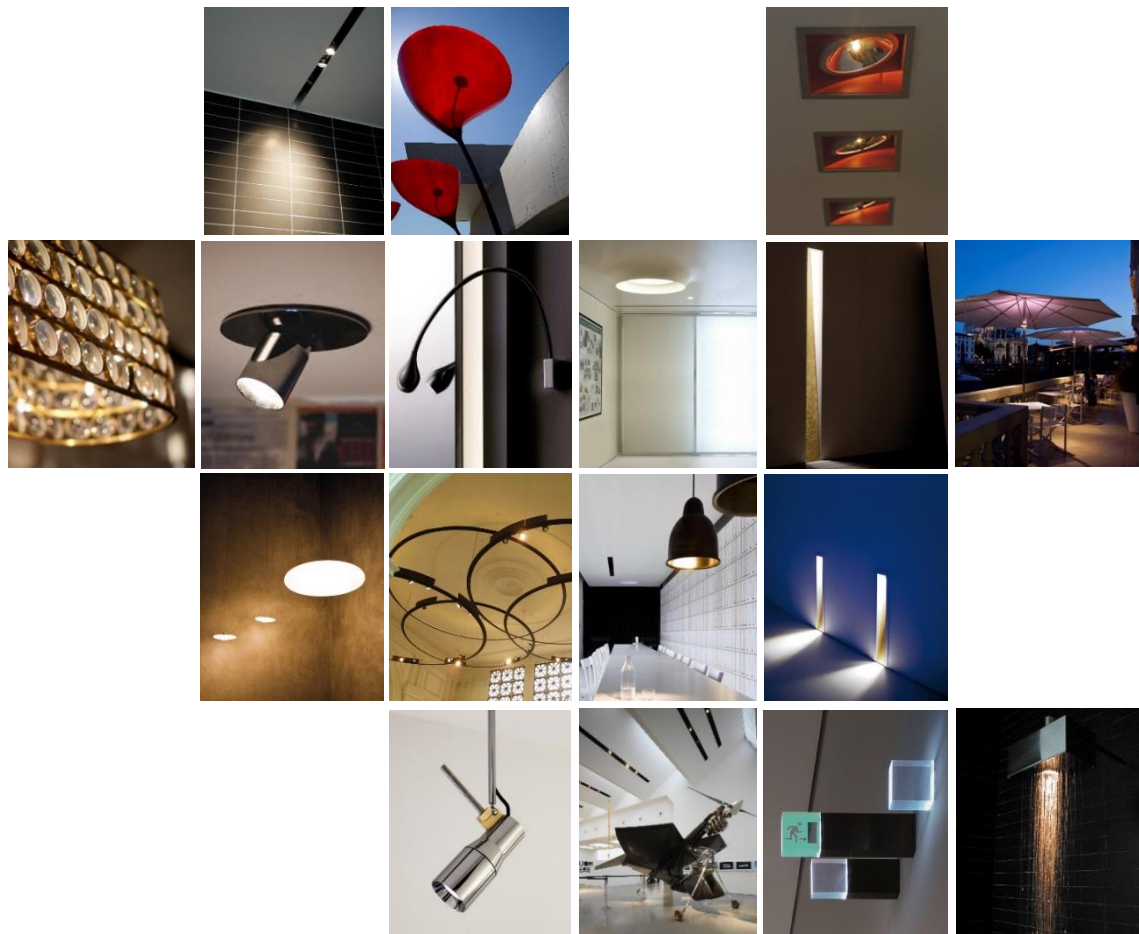
la sovrapposizione dei contributi delle singole microlenti produce una distribuzione d'illuminamento uniforme.

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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**Distributor for Viabizzuno
Architectural Lighting Solutions**

Web: www.cirruslighting.co.uk

Email: sales@cirruslighting.co.uk

Tel: 0207 193 2175

Fax: 0207 193 3175

