



*Viabizzuno strada principale della frazione di bizzuno in provincia di ravenna dove tra la casa del popolo e la parrocchia, al n°17, sono nato il ventuno luglio millenovecentocinquantacinque. da qui nasce il nome della fabbrica di produzione fondata nel millenovecentonovantaquattro rappresentata da uno spazio bianco attraversato da due linee. una verticale, rigorosa, essenziale, equilibrata: la luce per la luce; ed una inclinata, irriverente nello spazio, ironica, fuori dagli schemi: la luce per la forma. distinte ma complementari si fondono in un unico nome: Viabizzuno.*

*marionanni*

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

prodotto  
product



schede tecniche  
technical data sheet

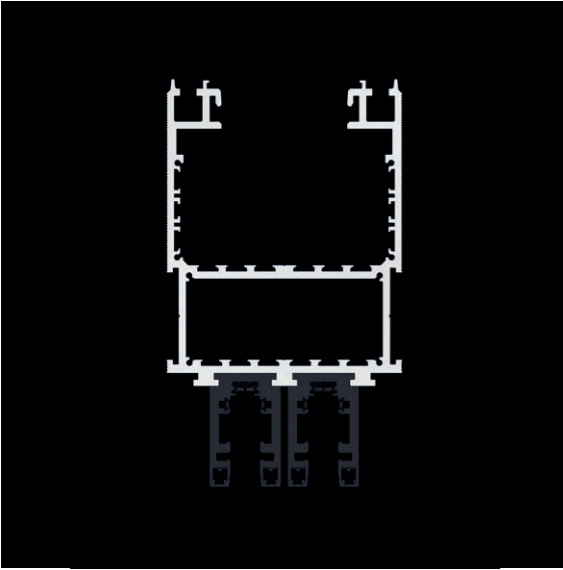


curve fotometriche  
photometric curves



modelli 3d per i tuoi render  
3d models for your render





**sistema multifunzionale a soffitto e sospensione per interni IP20 realizzato con estruso di alluminio ossidato 99x131,5x3000mm progettato per essere una struttura portante e infrastruttura di comunicazione per sistemi illuminotecnici, di dati, di potenza, scenografici e acustici.**

**il sistema è predisposto per l'integrazione con A sistema binari A10 e A11 permettendo di alloggiare adattatori per interfacce sistema n55 in versione orientabile e sospensione.**

**tramite carrelli mobili e agganci meccanici integrati ai binari A10 e A11, si agevola l'ancoraggio e la movimentazione di altoparlanti, schermi e apparecchi di illuminazione commerciale.**

**accessori: kit sospensione, presa e connettori ariacablata, cavo di alimentazione e derivazione e tappi di chiusura  
finiture: argento hacca, nero55**

**IP20-rated multifunctional ceiling and suspension system for indoor use made from extruded 99x131.5x3000mm oxidized aluminum designed to be a supporting structure and communication infrastructure for lighting, data, power systems, scenographic and acoustic systems.**

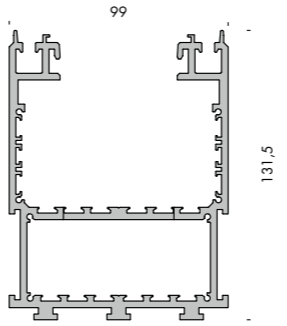
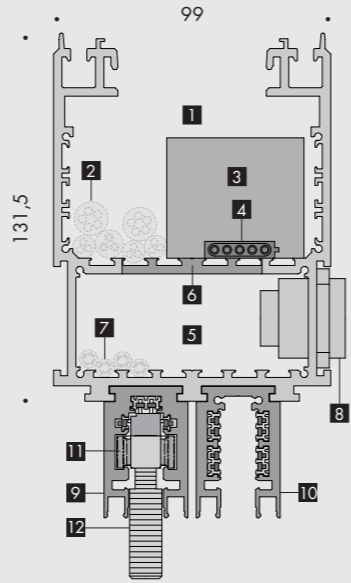
**the system is set for integration with A track system A10 and A11 allowing it to accommodate adapters for n55 system interfaces in adjustable and suspension versions.**

**through movable trolleys and mechanical couplers integrated with A10 and A11 tracks, the anchoring and handling of loudspeakers, screens and fixtures for commercial lighting.**

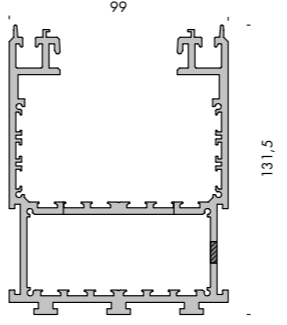
**accessories: suspension kit, ariacablata socket and connectors, power cable and branch and end caps  
finishes: argento hacca, nero55**

- 1 vano portacavi 100/400V**  
cable compartment 100/400V
- 2 eventuali cavi necessari per accensione o alimentazione 100/400V**  
any cables necessary for ignition or power supply 100/400V
- 3 derivazione alimentazione 5 poli a perforazione d'isolante**  
5 poles supply electric derivation insulation displacement  
Vb9.668.66\*
- 4 cavo 5x4 mm<sup>2</sup> 220V**  
5x4 mm<sup>2</sup> 220V cable  
Vb9.668.61/62\*
- 5 vano distribuzione linee dati, di controllo e segnali audio/video/luci**  
distribution compartment for data lines, control and audio/video signals/lights
- 6 accesso vano portacavi ogni 500mm tra vano portacavi (1) e vano distribuzione (5)**  
cable compartment access every 500mm between cable compartment (1) and distribution compartment (5)

- 7 eventuali cavi necessari per linee dati, di controllo e segnali audio/video/luci**  
any cables necessary for data lines, control and audio/video signals/lights
- 8 powercon true1 monofase 110-230Vac 16A single-phase**  
Vb9.001.101\*  
**connettore femmina rj45 female connector**  
Vb9.001.102\*  
**connettore xlr 5-poli (dmx) 5-pole connector**  
Vb9.001.103\*  
**connettore xlr 3-poli (audio) 3-pole connector**  
Vb9.001.104\*
- 9 A10 30,2mm x 47,2mm**  
Vb6.613.201\*
- 10 A11 30,2mm x 47,2mm**  
Vb6.613.301\*
- 11 carrello elettrificato**  
electrified carriage  
Vb9.613.252\*
- 12 vite di fissaggio meccanico max M12**  
mechanical fixing screw max M12

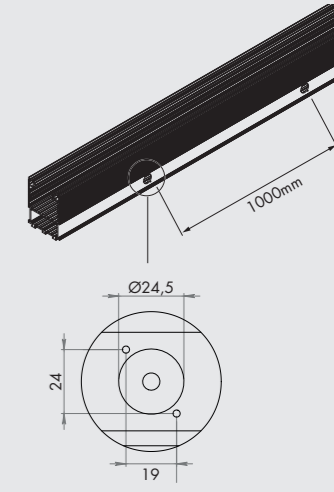
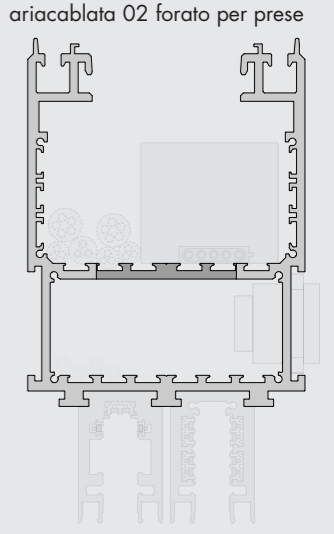


ariacablata 01 cieco		☒	⊕	IP20	⚠	CE	i
<b>VB6.668.01</b>	nero55						
<b>VB6.668.02</b>	argento hacca						



ariacablata 02 forato per prese		☒	⊕	IP20	⚠	CE	i
<b>VB6.668.11</b>	nero55						
<b>VB6.668.12</b>	argento hacca						

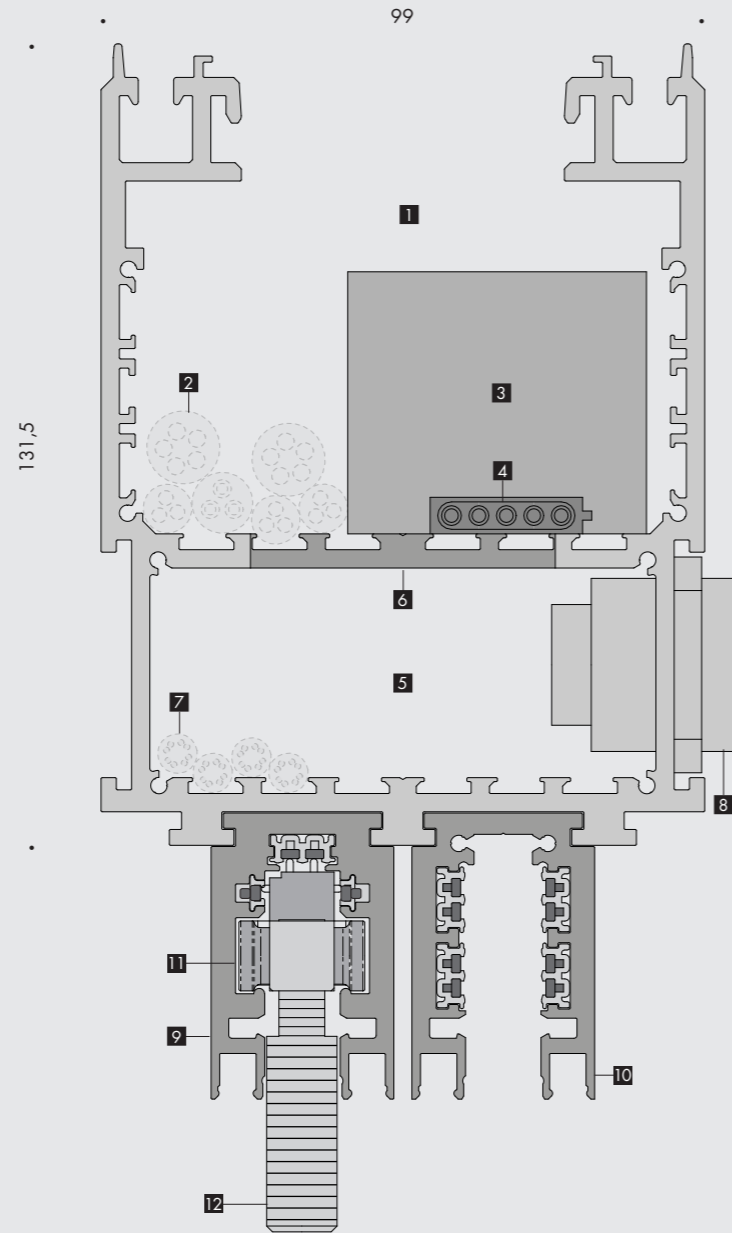
kit sospensione		CE
<b>Vb9.668.50</b>	3000mm	



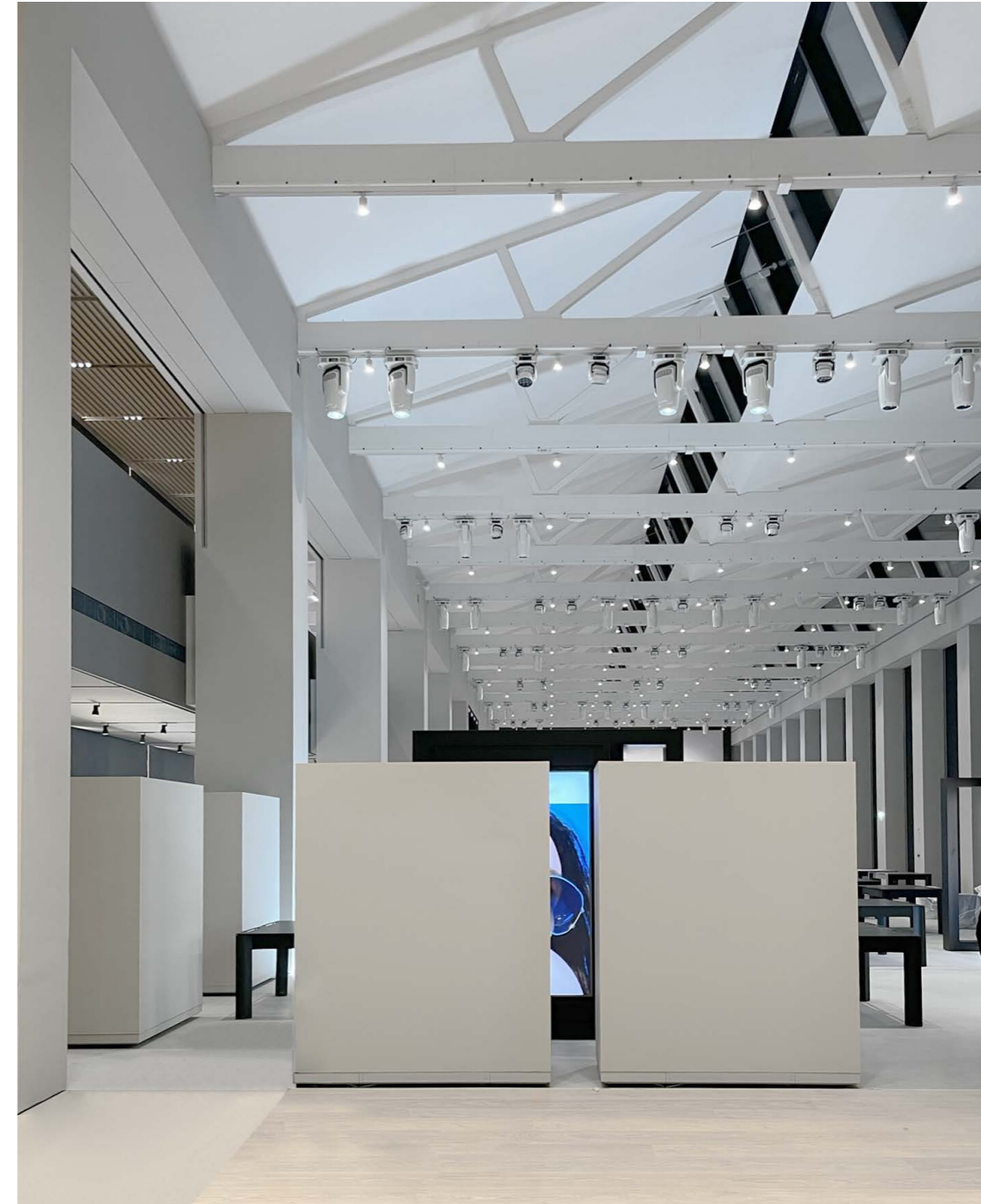
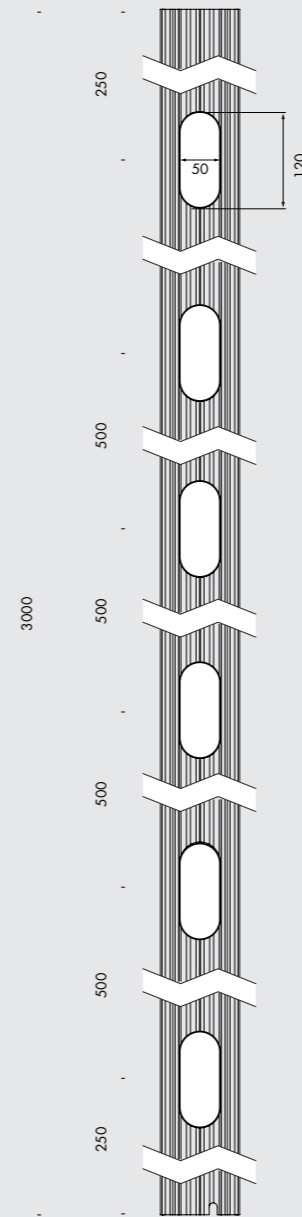


ariacablata  
Vb6.668.11/12\*

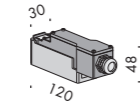
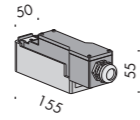
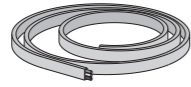
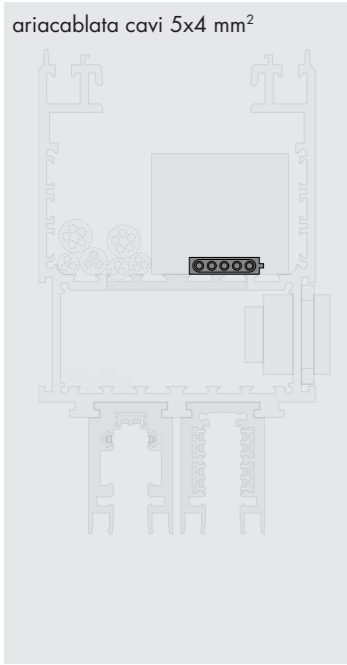
- 1 vano portacavi 100/400V  
cable compartment 100/400V
- 2 eventuali cavi necessari per accensione  
o alimentazione 100/400V  
any cables necessary for ignition or  
power supply 100/400V
- 3 derivazione alimentazione 5 poli  
a perforazione d'isolante  
5 poles supply electric derivation  
insulation displacement  
Vb9.668.66\*
- 4 cavo 5x4 mm<sup>2</sup> 220V  
5x4 mm<sup>2</sup> 220V cable  
Vb9.668.61/62\*
- 5 vano distribuzione linee dati, di controllo  
e segnali audio/video/luci  
distribution compartment for data lines,  
control and audio/video signals/lights
- 6 accesso vano portacavi ogni 500mm  
tra vano portacavi 1 e vano distribuzione 5  
cable compartment access every 500mm  
between cable compartment 1  
and distribution compartment 5
- 7 eventuali cavi necessari per linee dati,  
di controllo e segnali audio/video/luci  
any cables necessary for data lines,  
control and audio/video signals/lights
- 8 powercon true1  
monofase 110-230Vac 16A single-fase  
Vb9.001.101\*  
connettore femmina rj45 female connector  
Vb9.001.102\*  
connettore xlr 5-poli (dmx) 5-pole connector  
Vb9.001.103\*  
connettore xlr 3-poli (audio) 3-pole connector  
Vb9.001.104\*
- 9 A10 30,2mm x 47,2mm  
Vb6.613.201\*
- 10 A11 30,2mm x 47,2mm  
Vb6.613.301\*
- 11 carrello elettrificato  
electrified carriage  
Vb9.613.252\*
- 12 vite di fissaggio meccanico max M12  
mechanical fixing screw max M12



ariacablata 01/02  
interasse accesso vano portacavi



ariacablata cavi 5x4 mm<sup>2</sup>



cavo di alimentazione. power supply cable.		IP67	★	CE	ⓘ
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<b>Vb9.668.61</b>	cavo di alimentazione power supply cable	5x4 mm <sup>2</sup> 250V 20A	25m	6,3	
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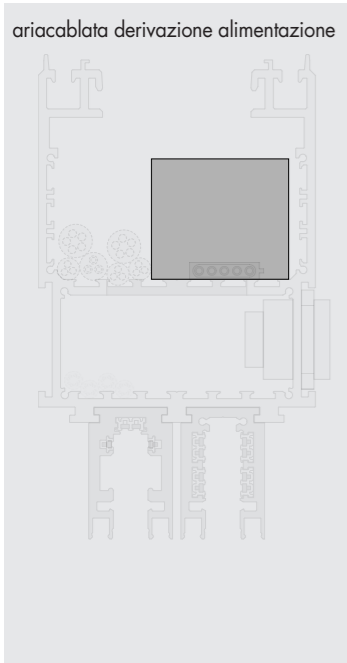
<b>Vb9.668.62</b>	cavo di alimentazione power supply cable	5x4 mm <sup>2</sup> 250V 20A	100m	25,2	
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<b>Vb9.668.66</b>	derivazione alimentazione 5 poli a perforazione d'isolante 5 poles supply electric derivation insulation displacement			0,1	
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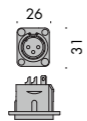
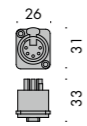
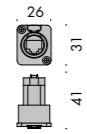
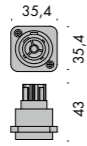
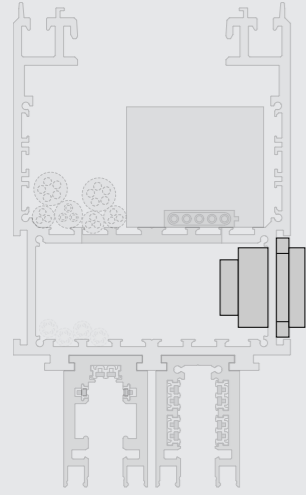
<b>Vb9.668.67</b>	terminale di protezione per cavo 5 poli end cap protection for 5 poles cable			0,2	
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<b>Vb9.668.65</b>	derivazione alimentazione 3 poli a perforazione d'isolante 3 poles supply electric derivation insulation displacement			0,1	
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ariacablata derivazione alimentazione



ariacablata prese



prese ariacablata CE

**VB9.001.101** powercon - presa alimentazione monofase 110-230Vac 16A

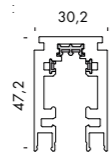
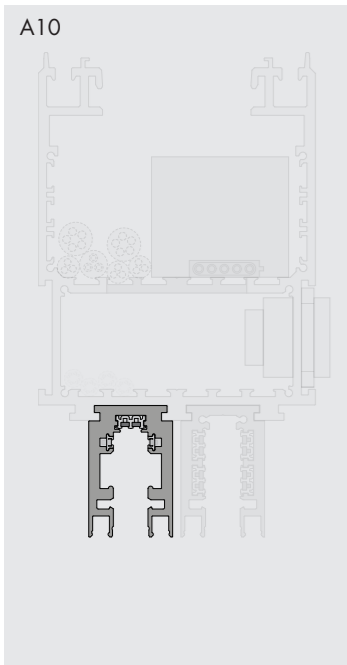
**VB9.001.102** connettore rj45

**Vb9.001.103** connettore xlr 5poli dmx

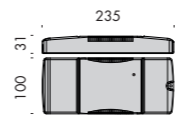
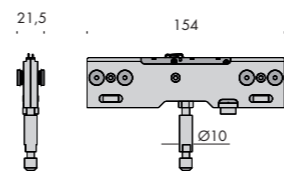
**VB9.001.104** connettore xlr 3poli audio







A10	48Vdc			IP20	CE	
<b>Vb6.613.201</b>	nero55	max 50kg lineare	3000mm	4,5		
<b>Vb6.613.202</b>	argento hacca	max 50kg lineare	3000mm	4,5		



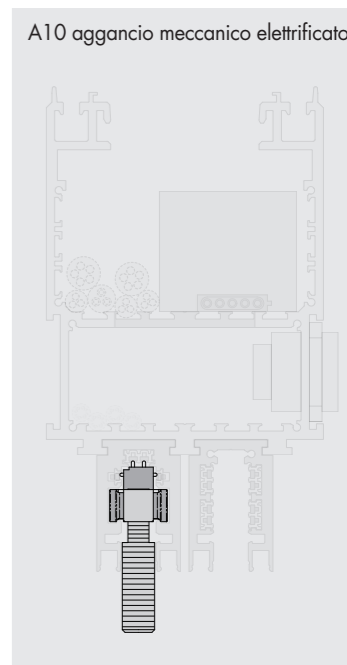
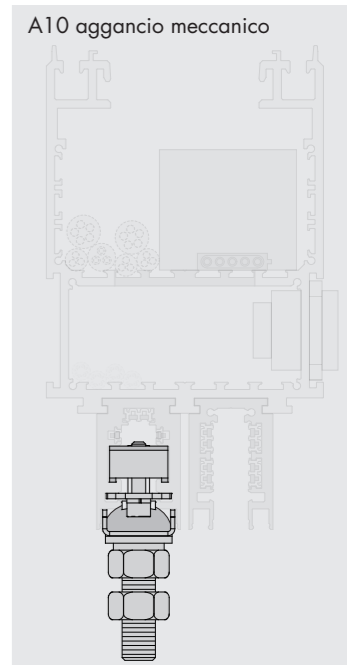
A10 aggancio meccanico	CE	
<b>VB9.613.251</b>	max 50kg	1

A10 carello elettrificato	CE	
<b>VB9.613.252</b>	carrello elettrificato · electrified carriage	max 30kg 1

A10 testata di alimentazione	CE	
<b>Vb9.613.262</b>		0,5

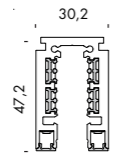
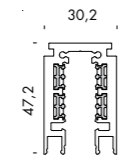
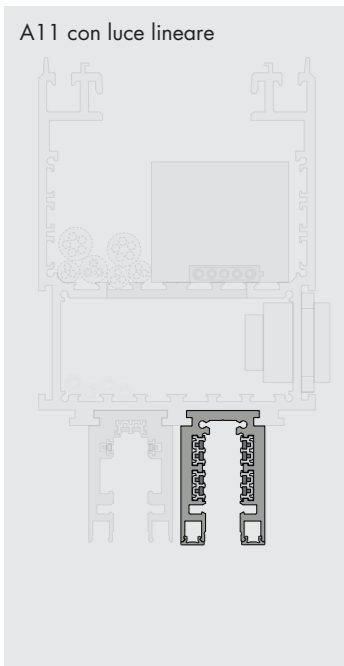
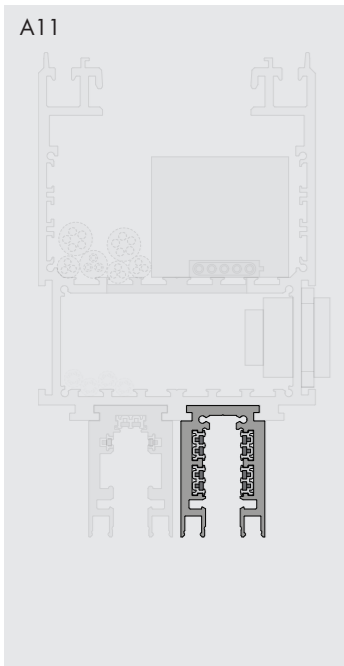
A10 giunto lineare	CE	
<b>VB9.613.271</b>		0,2

A11 alimentatori spot. power supplies. 240V 50-60Hz/48V		CE	
<b>t4.057</b>	on/off	75W	0,15
<b>t4.058</b>	on/off	150W	0,15









**A11** 48Vdc IP20

<b>VB6.613.301</b>	nero55	3000mm	4,5
<b>VB6.613.302</b>	argento hacca	3000mm	4,5

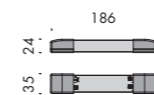
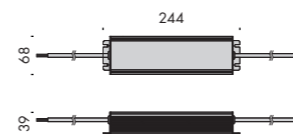
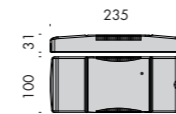
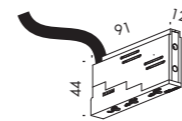
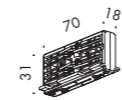
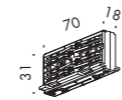
**A11 con luce lineare** 48Vdc IP20

<b>VB6.613.331.27</b>	nero55	2700K	2x39W	3000mm	4,5
<b>VB6.613.332.27</b>	argento hacca	2700K	2x39W	3000mm	4,5
<b>VB6.613.321.27</b>	nero55	2700K	2x26W	2000mm	3
<b>VB6.613.322.27</b>	argento hacca	2700K	2x26W	2000mm	3
<b>VB6.613.311.27</b>	nero55	2700K	2x13W	1000mm	1,5
<b>VB6.613.312.27</b>	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
V0010		5,9		Ta25 °C		vita media · average life		50000 h L80 B10

<b>VB6.613.311.30</b>	nero55	3000K	2x39W	3000mm	4,5
<b>VB6.613.312.30</b>	argento hacca	3000K	2x39W	3000mm	4,5
<b>VB6.613.321.30</b>	nero55	3000K	2x26W	2000mm	3
<b>VB6.613.322.30</b>	argento hacca	3000K	2x26W	2000mm	3
<b>VB6.613.331.30</b>	nero55	3000K	2x13W	1000mm	1,5
<b>VB6.613.332.30</b>	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
V0011		5,9		Ta25 °C		vita media · average life		50000 h L80 B10



**A11 accessori. accessories.** ☆ CE

<b>Vb6.613.46</b>	giunto lineare elettrificato linear electrified joint	nero · black	0,2
<b>Vb6.613.47</b>	giunto lineare meccanico linear mechanical joint	nero · black	0,2

**A11 componenti. components.** ☆ CE

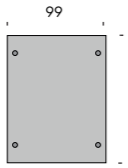
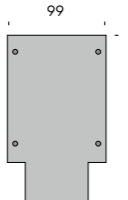
<b>Vb6.613.40</b>	adattatore di alimentazione nero con 8 contatti black feeding head with 8 contacts		0,5
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**A11 alimentatori spot. power supplies. 240V 50-60Hz/48V** A CE

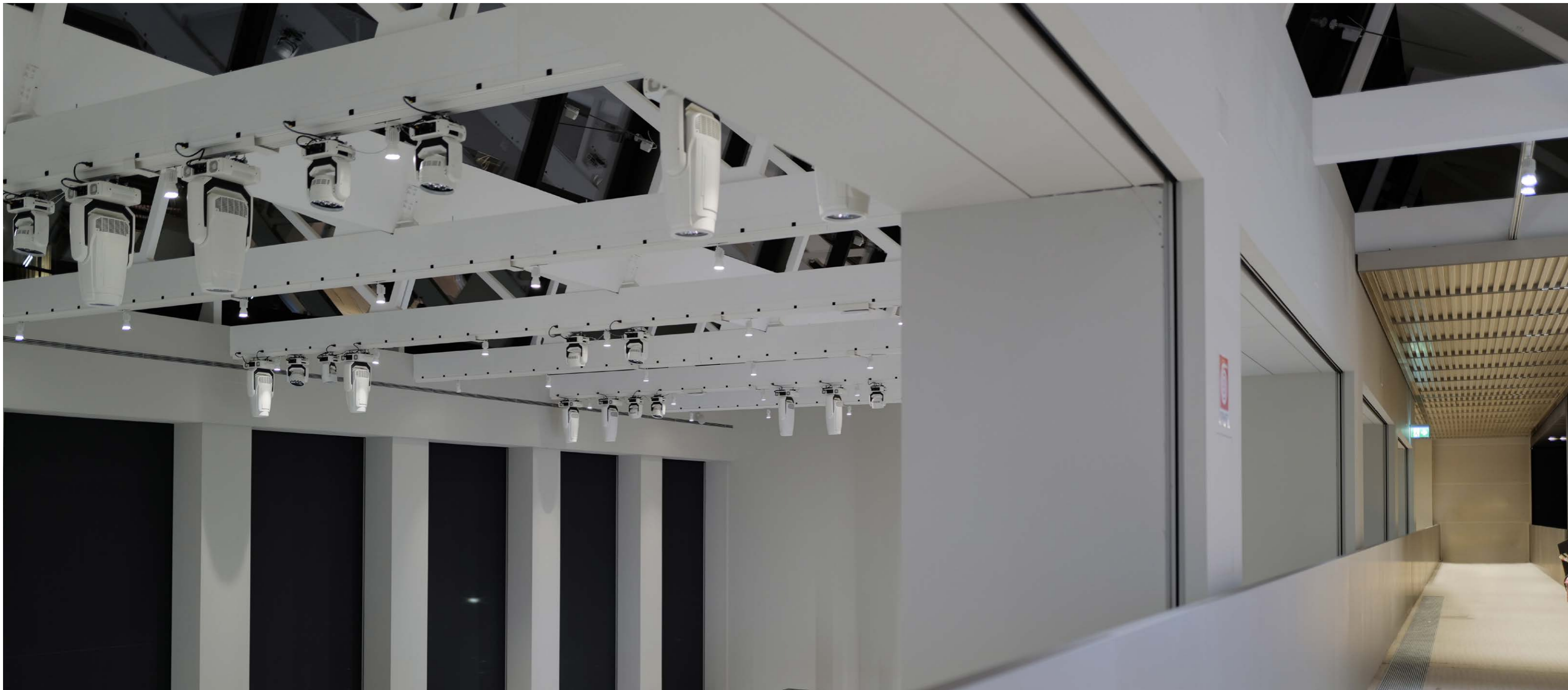
<b>t4.057</b>	on/off	75W	0,15
<b>t4.058</b>	on/off	150W	0,15

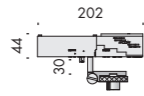
**A11 accessori linee di luce. accessories.** A CE




<b>t4.053</b>	alimentatore on/off 240V/48Vdc · power supply	240W	0,1
<b>t4.213.f</b>	converter dali 48Vdc/48Vdc	240W	1,1

tappi di chiusura. closing caps.		☆ CE
	<b>VB9.668.52</b> argento hacca <b>VB9.668.51</b> nero55	
	<b>VB9.668.56</b> argento hacca <b>VB9.668.55</b> nero55	



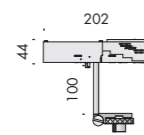










**n55 A1/A11 interfaccia orientabile 30 controllo intelligente 48Vdc**     

**Vb6.613.50** 350/500/700/1050mA nero55 on/off n55 0,3

**Vb6.613.51** 350/500/700/1050mA argento hacca on/off n55 0,3

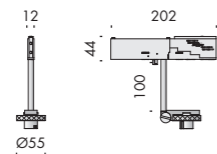


**n55 A1/A11 interfaccia orientabile 100 48Vdc**      

**Vb6.613.55.D4** 350/500/700/1050mA nero55 casambi n55 0,4

**Vb6.613.56.D4** 350/500/700/1050mA argento hacca casambi n55 0,4

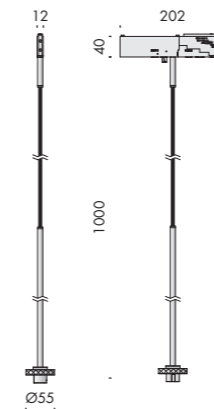




**n55 A1/A11 interfaccia orientabile 100 controllo intelligente 48Vdc**

**Vb6.613.52** 350/500/700/1050mA nero55 on/off n55 0,4

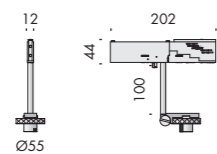
**Vb6.613.54** 350/500/700/1050mA argento hacca on/off n55 0,4



**n55 A1/A11 interfaccia sospensione controllo intelligente 48Vdc**

**Vb6.613.170** 350/500/700/1050mA nero55 on/off n55 0,4

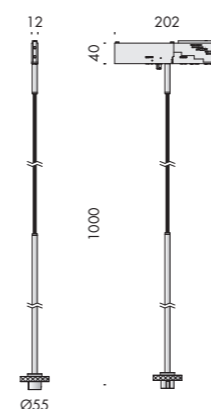
**Vb6.613.171** 350/500/700/1050mA argento hacca on/off n55 0,4



**n55 A1/A11 interfaccia orientabile 100 48Vdc**

**Vb6.613.57.D4** 350/500/700/1050mA nero55 casambi n55 0,4

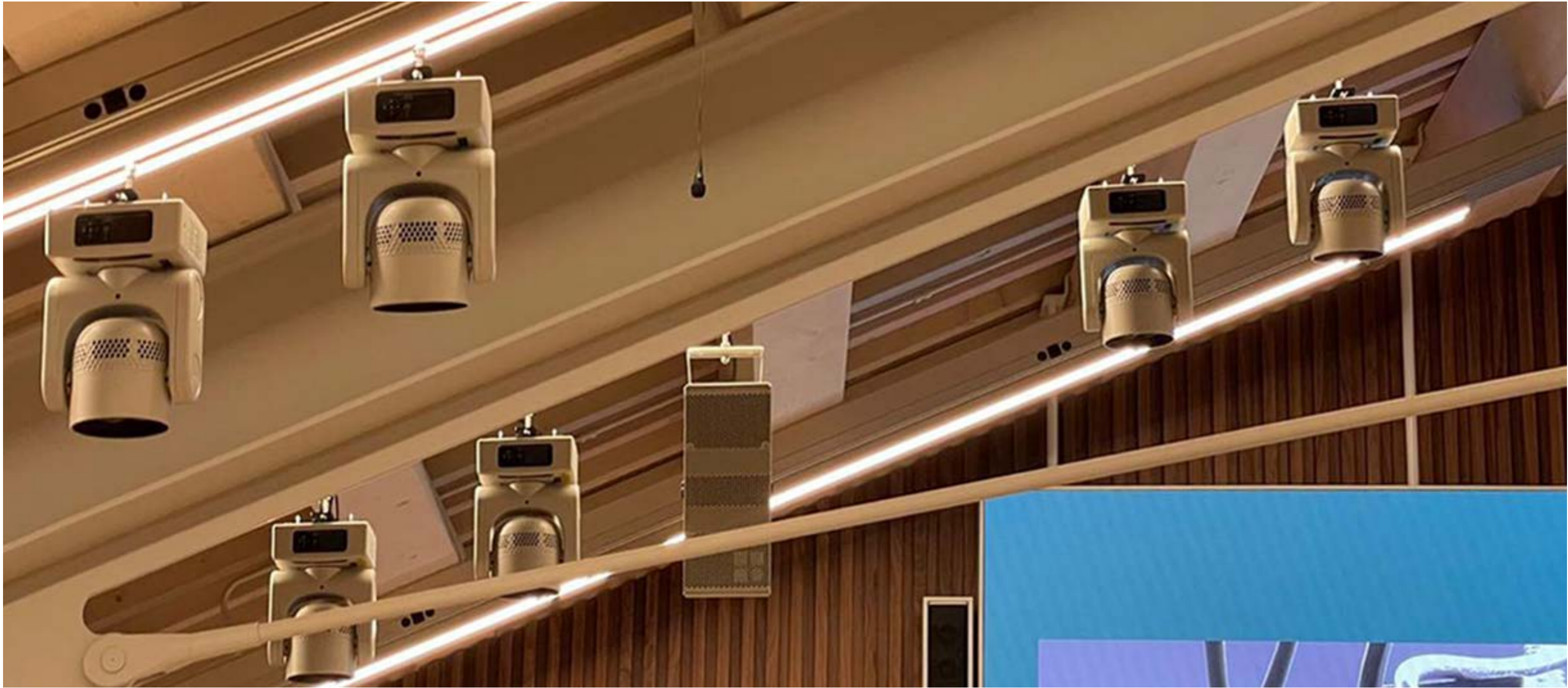
**Vb6.613.58.D4** 350/500/700/1050mA argento hacca casambi n55 0,4

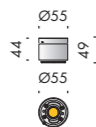


**n55 A1/A11 interfaccia sospensione 48Vdc**

**Vb6.613.175.D4** 350/500/700/1050mA nero55 casambi n55 0,4

**Vb6.613.176.D4** 350/500/700/1050mA argento hacca casambi n55 0,4





**propulsore dinamico n55 55/350e**

**Vb9.580.150.27** argento hacca 2700K les19 ● n55 0,2

**Vb9.580.151.27** nero55 2700K les19 ● n55 0,2

Ra	R9	ies tm-30		sdc	mA	V <sub>f(min)</sub>	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	350	27,6	1240	9,7	128
xm000	les19 ●	Ta25 °C		vita media · average life		70000 h	L80	B10	

**Vb9.580.150.30** argento hacca 3000K les19 ● n55 0,2

**Vb9.580.151.30** nero55 3000K les19 ● n55 0,2

Ra	R9	ies tm-30		sdc	mA	V <sub>f(min)</sub>	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	350	27,6	1240	9,7	128
xm001	les19 ●	Ta25 °C		vita media · average life		70000 h	L80	B10	

**Vb9.580.150.30v** argento hacca 3000VbK les19 ● n55 0,2

**Vb9.580.151.30v** nero55 3000VbK les19 ● n55 0,2

Ra	R9	ies tm-30		sdc	mA	V <sub>f(min)</sub>	lm	W	lm/W
98	98	Rf 93	Rg 106	step 1	350	27,6	1240	9,7	128
xm007	les19 ●	Ta25 °C		vita media · average life		70000 h	L80	B10	



**propulsore dinamico n55 55/350**

**Vb9.580.50.27** argento hacca 2700K les19 ● n55 0,2

**Vb9.580.51.27** nero55 2700K les19 ● n55 0,2

Ra	R9	ies tm-30		sdc	mA	V <sub>f(min)</sub>	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	350	27,6	1240	9,7	128
xm000	les19 ●	Ta25 °C		vita media · average life		70000 h	L80	B10	

**Vb9.580.50.30** argento hacca 3000K les19 ● n55 0,2

**Vb9.580.51.30** nero55 3000K les19 ● n55 0,2

Ra	R9	ies tm-30		sdc	mA	V <sub>f(min)</sub>	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	350	27,6	1240	9,7	128
xm001	les19 ●	Ta25 °C		vita media · average life		70000 h	L80	B10	

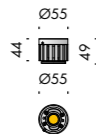
**Vb9.580.50.30v** argento hacca 3000VbK les19 ● n55 0,2

**Vb9.580.51.30v** nero55 3000VbK les19 ● n55 0,2

Ra	R9	ies tm-30		sdc	mA	V <sub>f(min)</sub>	lm	W	lm/W
98	98	Rf 93	Rg 106	step 1	350	27,6	1240	9,7	128
xm007	les19 ●	Ta25 °C		vita media · average life		70000 h	L80	B10	







**propulsore dinamico n55 55/500**

- Vb9.580.62.27** argento hacca 2700K les19 ● n55 0,2
- Vb9.580.63.27** nero55 2700K les19 ● n55 0,2

Ra	R9	ies tm-30		sdc	mA	V <sub>f(min)</sub>	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	

- Vb9.580.62.30** argento hacca 3000K les19 ● n55 0,2
- Vb9.580.63.30** nero55 3000K les19 ● n55 0,2

Ra	R9	ies tm-30		sdc	mA	V <sub>f(min)</sub>	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	

- Vb9.580.62.30v** argento hacca 3000VbK les19 ● n55 0,2
- Vb9.580.63.30v** nero55 3000VbK les19 ● n55 0,2

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



**propulsore dinamico n55 55/500**

- Vb9.580.101.27** argento hacca 2700K les9 ● n55 0,2
- Vb9.580.102.27** nero55 2700K les9 ● n55 0,2

Ra	R9	ies tm-30		sdc	mA	V <sub>f(min)</sub>	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	500	27,1	800	13,6	59
xe000	les9 ●	Ta25 °C		vita media · average life		70000 h	L80	B10	

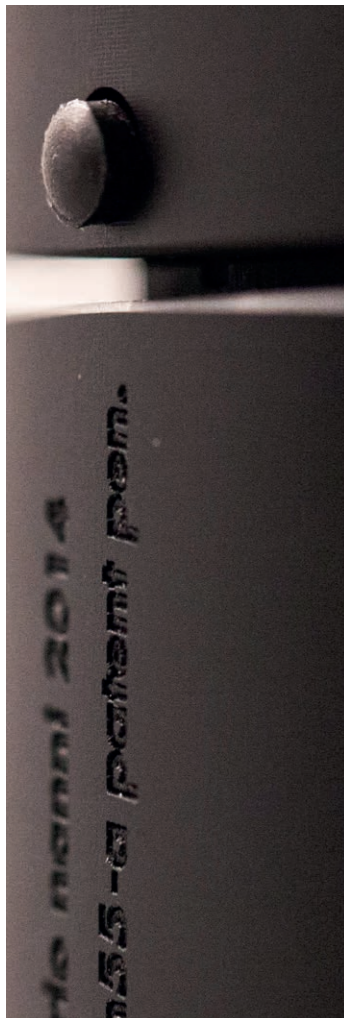
- Vb9.580.101.30** argento hacca 3000K les9 ● n55 0,2
- Vb9.580.102.30** nero55 3000K les9 ● n55 0,2






Ra	R9	ies tm-30		sdc	mA	V <sub>f(min)</sub>	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	500	27,1	800	13,6	59
xe001	les9 ●	Ta25 °C		vita media · average life		70000 h	L80	B10	

- Vb9.580.101.30v** argento hacca 3000VbK les9 ● n55 0,2
- Vb9.580.102.30v** nero55 3000VbK les9 ● n55 0,2

Ra	R9	ies tm-30		sdc	mA	V <sub>f(min)</sub>	lm	W	lm/W
98	98	Rf 93	Rg 106	step 1	500	27,1	800	13,6	59
xe007	les9 ●	Ta25 °C		vita media · average life		70000 h	L80	B10	










**propulsore dinamico n55 65/500e**   IP20   

**Vb9.580.154.27** argento hacca 2700K les19 ● n55 0,3

**Vb9.580.155.27** nero55 2700K les19 ● n55 0,3

Ra	R9	ies tm-30		sdc	mA	V <sub>f (min)</sub>	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	



**propulsore dinamico n55 65/700**   IP20   

**Vb9.580.54.27** argento hacca 2700K les19 ● n55 0,3

**Vb9.580.55.27** nero55 2700K les19 ● n55 0,3

Ra	R9	ies tm-30		sdc	mA	V <sub>f (min)</sub>	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	



**Vb9.580.154.30** argento hacca 3000K les19 ● n55 0,3

**Vb9.580.155.30** nero55 3000K les19 ● n55 0,3

Ra	R9	ies tm-30		sdc	mA	V <sub>f (min)</sub>	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	

**Vb9.580.54.30** argento hacca 3000K les19 ● n55 0,3

**Vb9.580.55.30** nero55 3000K les19 ● n55 0,3

Ra	R9	ies tm-30		sdc	mA	V <sub>f (min)</sub>	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	

**Vb9.580.154.30v** argento hacca 3000VbK les19 ● n55 0,3

**Vb9.580.155.30v** nero55 3000VbK les19 ● n55 0,3







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

**Vb9.580.54.30v** argento hacca 3000VbK les19 ● n55 0,3

**Vb9.580.55.30v** nero55 3000VbK les19 ● n55 0,3

Ra	R9	ies tm-30		sdc	mA	V <sub>f (min)</sub>	lm	W	lm/W
98	98	Rf 93	Rg 106	step 1	700	28,4	2140	19,9	108
xm007	les19 ●	Ta25 °C		vita media · average life		70000 h	L80	B10	



**propulsore dinamico n55 65/700**   IP20    

**Vb9.580.106.27** argento hacca 2700K les9 ● n55 0,3  
**Vb9.580.107.27** nero55 2700K les9 ● n55 0,3

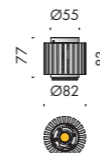
Ra	R9	ies tm-30		sdc	mA	V <sub>f(min)</sub>	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	700	27,9	1110	19,5	57
xe000	les9 ●	Ta25 °C		vita media · average life		70000 h	L80	B10	







**Vb9.580.106.30** argento hacca 3000K les9 ● n55 0,3  
**Vb9.580.107.30** nero55 3000K les9 ● n55 0,3

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

**Vb9.580.106.30v** argento hacca 3000VbK les9 ● n55 0,3  
**Vb9.580.107.30v** nero55 3000VbK les9 ● n55 0,3

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



**propulsore dinamico n55 82/1050**   IP20    

**Vb9.580.58.27** argento hacca 2700K les19 ● n55 0,5  
**Vb9.580.59.27** nero55 2700K les19 ● n55 0,5

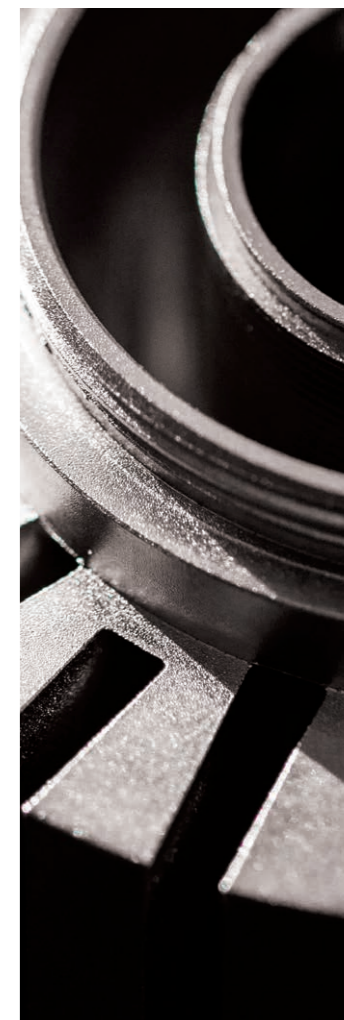
Ra	R9	ies tm-30		sdc	mA	V <sub>f(min)</sub>	lm	W	lm/W
98	98	Rf 96	Rg 103	step 1	1050	29,0	3000	30,5	98
xm000	les19 ●	Ta25 °C		vita media · average life		70000 h	L80	B10	

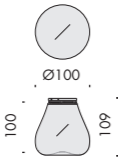
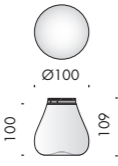
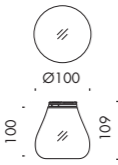
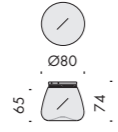
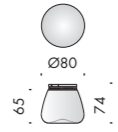
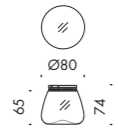
**Vb9.580.58.30** argento hacca 3000K les19 ● n55 0,5  
**Vb9.580.59.30** nero55 3000K les19 ● n55 0,5

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

**Vb9.580.58.30v** argento hacca 3000VbK les19 ● n55 0,5  
**Vb9.580.59.30v** nero55 3000VbK les19 ● n55 0,5

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





**marionanni** ☆ CE i

**Vb9.580.01.t** hm01 trasparente · transparent n55 0,05

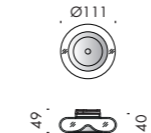
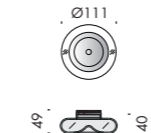
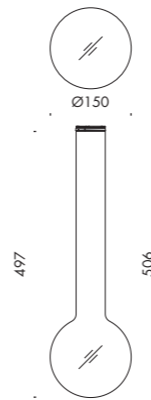
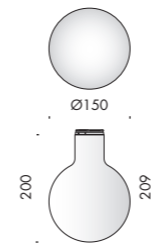
**Vb9.580.01.s** hm01 sabbiata · sanded n55 0,05

**Vb9.580.01.b** hm01 bianco latte · milk white n55 0,05

**Vb9.580.02.t** hm02 trasparente · transparent n55 0,1

**Vb9.580.02.s** hm02 sabbiata · sanded n55 0,1

**Vb9.580.02.b** hm02 bianco latte · milk white n55 0,1



**marionanni** ☆ CE i

**Vb9.580.03.s** mn01 sabbiata · sanded n55 0,3

**Vb9.580.04.t** mn02 trasparente · transparent n55 0,5

**Vb9.580.173.b** mn06 tabacchiera bianco satinato · white frosted n55 0,1

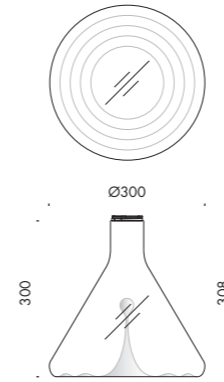
**Vb9.580.173.cr** mn06 tabacchiera trasparente cromata · transparent chromed n55 0,1

**Vb9.580.178** mn07 trasparente sabbiata · transparent sanded n55 0,1





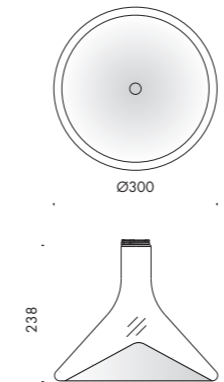
**david chipperfield**  ☆ CE ⓘ  
**Vb9.580.05.s** dc01 sabbiato · sanded n55 0,1



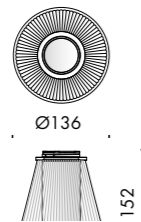
**max lam**  ☆ CE ⓘ  
**Vb9.580.13.t** ml01 trasparente · transparent n55 1,4



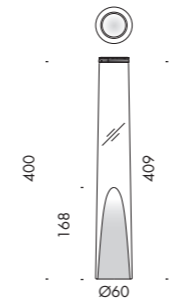
**Vb9.580.06.s** dc02 sabbiato · sanded n55 0,3



**gio tirotto**  ☆ CE ⓘ  
**Vb9.580.17.t** gt01 trasparente, sabbiato · transparent, sanded n55 1

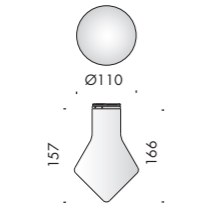
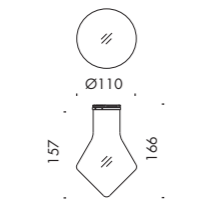
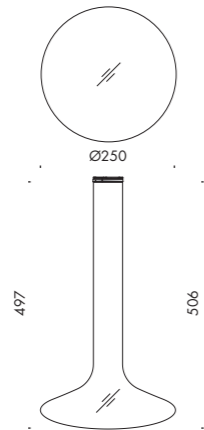
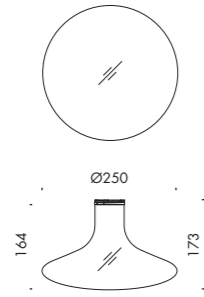


**Vb9.580.20.tr** dc04 trasparente, rigato e sabbiato  
transparent, striped and sanded n55 0,3



**domenico de palo**  ☆ CE ⓘ  
**Vb9.580.114.t** ddp01 trasparente, sabbiato · transparent, sanded n55 0,5





**peter zumthor** ☆ CE i

**Vb9.580.08.t** pz01 trasparente · transparent n55 0,3

**Vb9.580.10.t** pz02 trasparente · transparent n55 0,6

**Vb9.580.11.t** pz03 trasparente · transparent n55 0,2

**Vb9.580.11.s** pz03 sabbiato · sanded n55 0,2

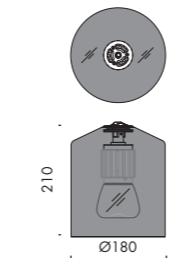
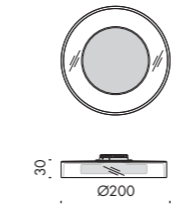
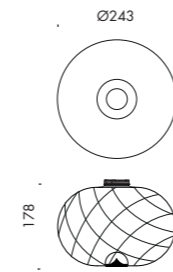
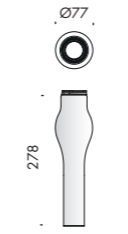
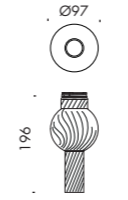
☆ CE i

n55 0,3

n55 0,6

n55 0,2

n55 0,2



**mirko spaccapanico** ☆ CE i

**Vb9.580.175.t** ms02 trasparente · transparent n55 0,2

**Vb9.580.176.t** ms03 trasparente · transparent n55 0,2

**Vb9.580.177.t** ms04 trasparente · transparent n55 0,5

**neri&hu** ☆ CE i

**Vb9.580.116.ts** nh01 trasparente, sabbiato · transparent, sanded n55 0,9

**luigi lanzi** ☆ CE i

**Vb9.580.170** l101 nero fumè · black smoke n55 1,6

☆ CE i

n55 0,2

n55 0,2

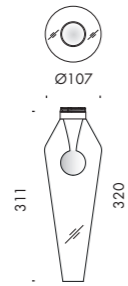
n55 0,5

☆ CE i

n55 0,9

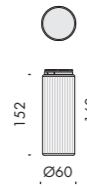
☆ CE i

n55 1,6



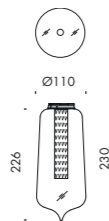
**tzach cohen** ☆ CE ⓘ

**Vb9.580.180.ts** tc01 trasparente, sabbaiato · transparent, sanded n55 0,4



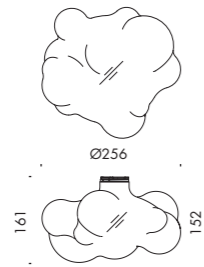
**al-jawad pike** ☆ CE ⓘ

**Vb9.580.18.tr** aip01 trasparente, rigato · transparent, striped n55 0,2



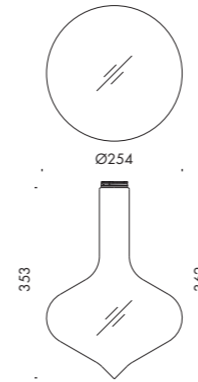
**marcio kogon** ☆ CE ⓘ

**Vb9.580.111.t** mk01 trasparente · transparent n55 0,4



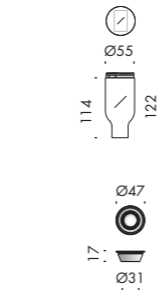
**winy maas** ☆ CE ⓘ

**Vb9.580.09.t** wm01 trasparente · transparent n55 0,6



**rdai** ☆ CE ⓘ

**Vb9.580.12.t** rdai01 trasparente · transparent n55 0,6



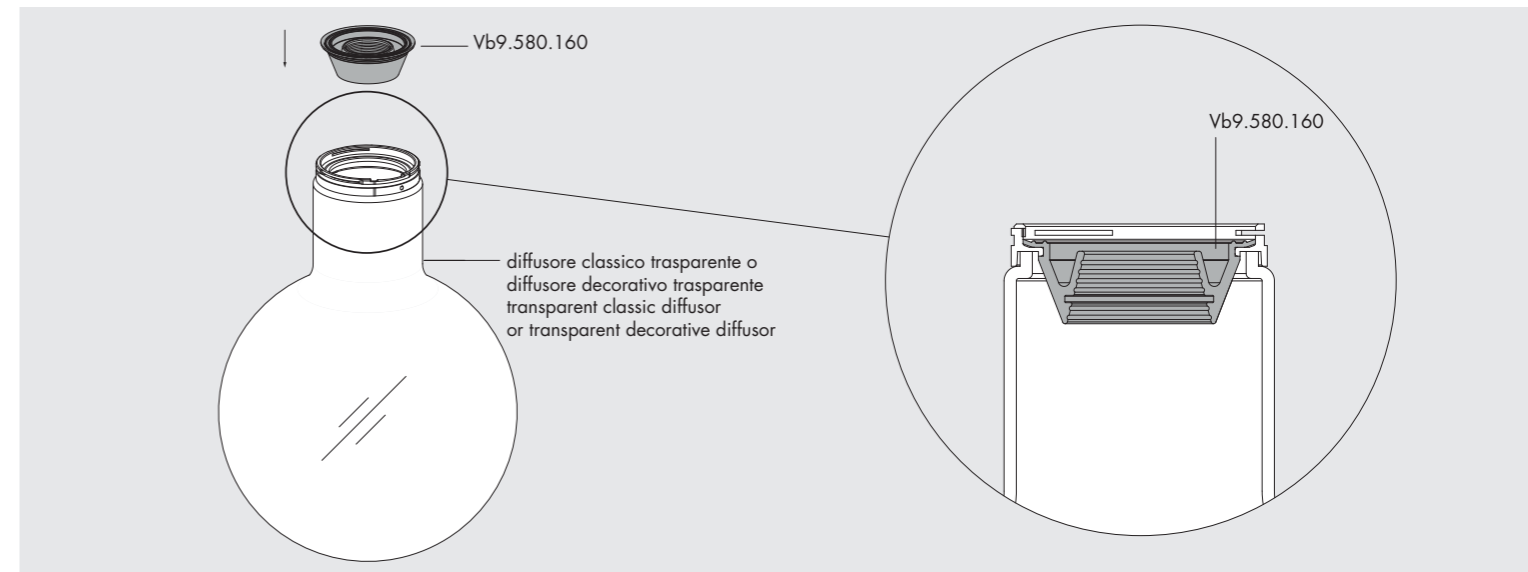
**kengo kuma** ☆ CE ⓘ

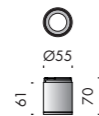
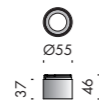
**Vb9.580.07.c** kk01 cristallo · crystal n55 0,3



**accessori per diffusore trasparente. transparent diffusor accessories.** ☆ CE ⓘ

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



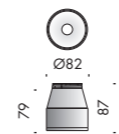
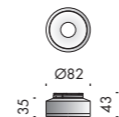


spot35			★	€€	ⓘ
Vb9.580.21	argento hacca	87° les19	●	n55	0,1
Vb9.580.22	nero55	87° les19	●	n55	0,1
Vb9.580.22.b	my bianco	87° les19	●	n55	0,1

spot55x37			★	€€	ⓘ		
Vb9.580.121	argento hacca	18° les9	●	n55	0,1		
Vb9.580.122	nero55	18° les9	●	n55	0,1		
Vb9.580.122.b	my bianco	18° les9	●	n55	0,1		
Vb9.580.123	argento hacca	23° les9	●	30° les19	●	n55	0,1
Vb9.580.124	nero55	23° les9	●	30° les19	●	n55	0,1
Vb9.580.124.b	my bianco	23° les9	●	30° les19	●	n55	0,1
Vb9.580.125	argento hacca	36° les9	●	38° les19	●	n55	0,1
Vb9.580.126	nero55	36° les9	●	38° les19	●	n55	0,1
Vb9.580.126.b	my bianco	36° les9	●	38° les19	●	n55	0,1

spot55x61			★	€€	ⓘ
Vb9.580.25	argento hacca	36° les19	●	n55	0,2
Vb9.580.26	nero55	36° les19	●	n55	0,2
Vb9.580.26.b	my bianco	36° les19	●	n55	0,2
Vb9.580.27	argento hacca	47° les19	●	n55	0,2
Vb9.580.28	nero55	47° les19	●	n55	0,2
Vb9.580.28.b	my bianco	47° les19	●	n55	0,2

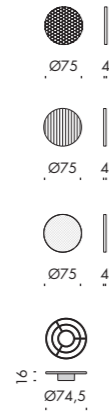
accessori. accessories.			★	€€	ⓘ
Vb9.580.91	frangiluce nido d'ape · honeycomb louvre				0,01
Vb9.580.92	lente ellittica · elliptical lens				0,04



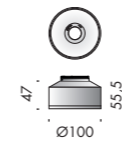
spot82x35			★	€€	ⓘ		
Vb9.580.131	argento hacca	13° les9	●	n55	0,1		
Vb9.580.132	nero55	13° les9	●	n55	0,1		
Vb9.580.137	my bianco	13° les9	●	n55	0,1		
Vb9.580.133	argento hacca	19° les9	●	n55	0,1		
Vb9.580.134	nero55	19° les9	●	n55	0,1		
Vb9.580.138	my bianco	19° les9	●	n55	0,1		
Vb9.580.135	argento hacca	23° les9	●	31° les19	●	n55	0,1
Vb9.580.136	nero55	23° les9	●	31° les19	●	n55	0,1
Vb9.580.141	my bianco	23° les9	●	31° les19	●	n55	0,1
Vb9.580.139	argento hacca	35° les9	●	42° les19	●	n55	0,1
Vb9.580.140	nero55	35° les9	●	42° les19	●	n55	0,1
Vb9.580.142	my bianco	35° les9	●	42° les19	●	n55	0,1

spot82x79			★	€€	ⓘ
Vb9.580.31	argento hacca	23° les19	●	n55	0,2
Vb9.580.32	nero55	23° les19	●	n55	0,2
Vb9.580.32.b	my bianco	23° les19	●	n55	0,2
Vb9.580.33	argento hacca	37° les19	●	n55	0,2
Vb9.580.34	nero55	37° les19	●	n55	0,2
Vb9.580.34.b	my bianco	37° les19	●	n55	0,2
Vb9.580.35	argento hacca	46° les19	●	n55	0,2
Vb9.580.36	nero55	46° les19	●	n55	0,2
Vb9.580.36.b	my bianco	46° les19	●	n55	0,2

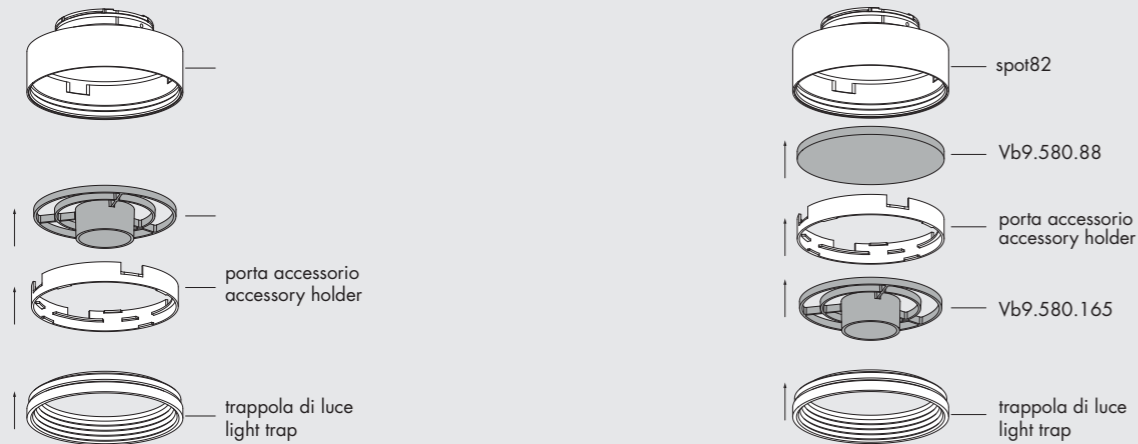




accessori spot82. accessories.			★	CE	i
<b>Vb9.580.86</b>	frangiluce nido d'ape · honeycomb louvre	0,01			
<b>Vb9.580.87</b>	lente ellittica · elliptical lens	0,05			
<b>Vb9.580.88</b>	vetro albarino · albarino glass	0,05			
<b>Vb9.580.165</b>	anti abbagliamento · anti-glare	0,03			

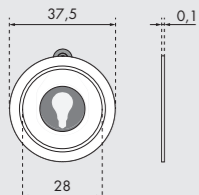


spot100			★	CE	i
<b>Vb9.580.37</b>	argento hacca	10° les9 ● 16° les19 ●	n55	0,1	
<b>Vb9.580.38</b>	nero55	10° les9 ● 16° les19 ●	n55	0,1	
<b>Vb9.580.38.b</b>	my bianco	10° les9 ● 16° les19 ●	n55	0,1	
<b>Vb9.580.39</b>	argento hacca	22° les9 ● 25° les19 ●	n55	0,1	
<b>Vb9.580.40</b>	nero55	22° les9 ● 25° les19 ●	n55	0,1	
<b>Vb9.580.40.b</b>	my bianco	22° les9 ● 25° les19 ●	n55	0,1	
<b>Vb9.580.41</b>	argento hacca	40° les19 ●	n55	0,1	
<b>Vb9.580.42</b>	nero55	40° les19 ●	n55	0,1	
<b>Vb9.580.42.b</b>	my bianco	40° les19 ●	n55	0,1	
<b>Vb9.580.43</b>	argento hacca	54° les19 ●	n55	0,1	
<b>Vb9.580.44</b>	nero55	54° les19 ●	n55	0,1	
<b>Vb9.580.44.b</b>	my bianco	54° les19 ●	n55	0,1	

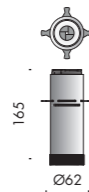
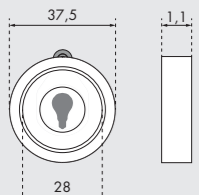


accessori spot100. accessories.			★	CE	i
<b>Vb9.580.93</b>	frangiluce nido d'ape · honeycomb louvre	0,01			
<b>Vb9.580.94</b>	lente ellittica · elliptical lens	0,05			

dimensioni gobos in acciaio  
steel gobos size



dimensioni gobos in vetro  
glass gobos size



**spot sagomatore** ★ CE i

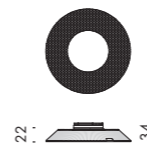
**Vb9.580.120** sagomatore · profile spot les19 ● 0,7

**accessori. accessories.** ★ CE i

**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

Ø150



Ø180



**lensoptica amP150** ★ CE 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** ★ CE 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

utilizzabile solo con · use only with  
propulsore dinamico les19 ●

propulsore dinamico 82/1050

22°

a

b

d(m)=

1

2

3

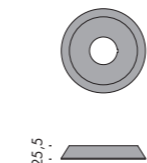
4

5

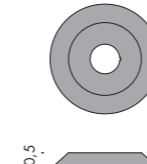
6

d (m)	ab (m)	e <sub>max</sub> (lx)	e <sub>med</sub> (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

Ø160



Ø195



**riflettore in metallo 150** ★ CE i

**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

**Vb9.518.96.n** nero55 0,1

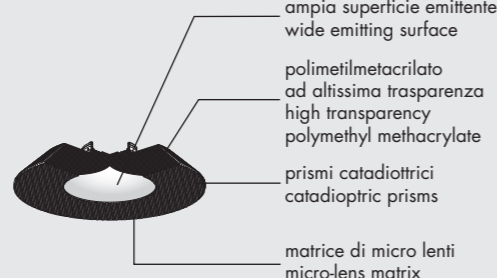
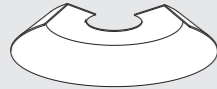
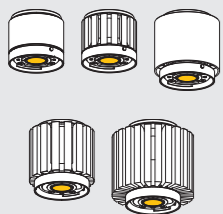
**Vb9.518.96.mb** my bianco 0,1

**Vb9.518.96.h** argento hacca 0,1

propulsore dinamico n55

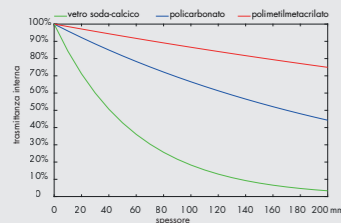
riflettore in metallo · metal reflector

lensoptica amP



materiale	coefficiente d'assorbimento $\alpha$
vetro soda calcico	0,017 mm <sup>-1</sup>
poli carbonato	0,004 mm <sup>-1</sup>
polimetilmetacrilato	0,0014 mm <sup>-1</sup>

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



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

la superficie emittente di **lensoptica amP** è dotata di una matrice di microlenti. ogni microlente riceve un fascio collimato e in funzione della curvatura ne allarga l'apertura angolare in modo controllato. la sovrapposizione dei contributi delle singole microlenti produce una distribuzione d'illuminamento uniforme.

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

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

the overlap of the emissions of each microlens creates a uniform distribution of illumination.

**lensoptica amP** are divided into four categories based on the angular opening of the beam: narrow, medium, wide and elliptical. the exact value of the angle depends on the source diameter.

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

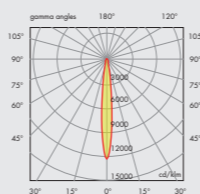
high efficiency is achieved thanks to a very high transparent material, i.e. polymethyl methacrylate, by means of catadioptric prisms specifically designed to reflect and transmit light reducing losses due to absorption: these elements, reflect 90% of the incident light flow downwards and transmit 10% 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.

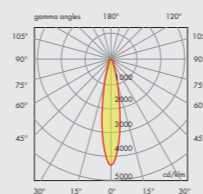
**lensoptica amP150**  
13° les9

fascio stretto · narrow beam



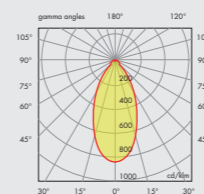
**lensoptica amP150**  
22° les19

fascio stretto · narrow beam



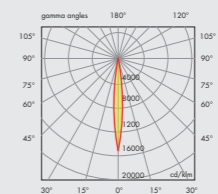
**lensoptica amP150**  
51° les19

fascio largo · wide beam



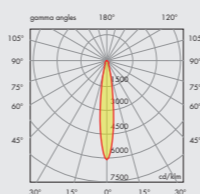
**lensoptica amP180**  
10° les9

fascio stretto · narrow beam



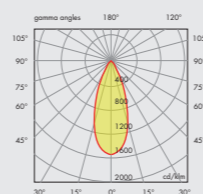
**lensoptica amP180**  
15° les19

fascio stretto · narrow beam



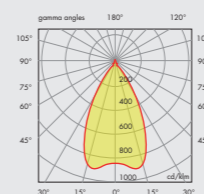
**lensoptica amP180**  
41° les19

fascio medio · medium beam



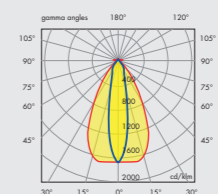
**lensoptica amP180**  
53° les19

fascio largo · wide beam

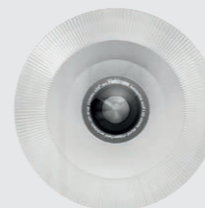


**lensoptica amP180**  
20°x55° les19

fascio ellittico · elliptical beam



**lensoptica amP150**  
fascio stretto · narrow beam



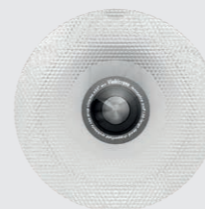
**lensoptica amP180**  
fascio stretto · narrow beam



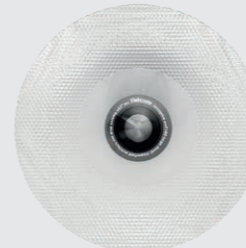
**lensoptica amP180**  
fascio medio · medium beam



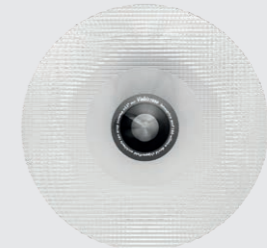
**lensoptica amP150**  
fascio largo · wide beam



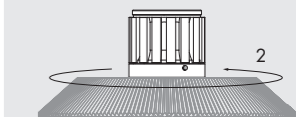
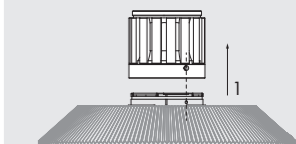
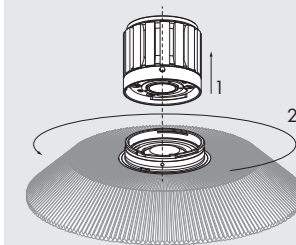
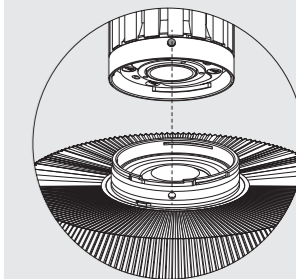
**lensoptica amP180**  
fascio largo · wide beam



**lensoptica amP180**  
fascio ellittico · elliptical beam



**lensoptica amP**  
installazione · mounting



## lettura delle tabelle tecniche how to read technical tables

XXXXXXXXXXXXXXXX										230V 50-60Hz		A	⊕	IP66	⚡	UL	CE	🔒
a	b	c	d	e	f	g	g	h	i									

XXXXXXXXXXXXXXXX										230V 50-60Hz		A	⊕	IP66	⚡	UL	CE	🔒
Vbx.xxx.xx	nero55	3000K		35W		1,5												
l	m	n		o		i												

**componenti. components.** **IK10** **CE** 🔒

**accessori. accessories.** **IK10** **CE** 🔒

1	2	3	4	5	6	7	8	9										
Ra	R9	ies tm-30		sdcM	mA	V <sub>f (min)</sub>	lm	W	lm/W									
98	98	Rf 96	Rg 103	step 1	350	27,6	1240	9,7	128									
500	27,9	1580	14,0	113														
xm000	les19	☀️	Ta25 °C	vita media · average life		70000 h	L80	B10										
10	11							12	13									

bandella tecnica. posizioni standard simbologie.  
data plate. standard arrangement of symbols.

a	nome apparecchio di illuminazione · light fitting name
b	tensione di alimentazione · supply rating (Volt)
c	frequenza di alimentazione · supply frequency (Hertz)
d	alimentatore incluso o escluso · power supply included or not included
e	classe di isolamento · insulation class
f	grado di protezione · protection degree
g	marchio di certificazione · safety and quality standards certification
h	conforme alle direttive europee produced in compliance with EC directives
i	peso netto · net weight (kg)
l	codice · code
m	finitura · finish
n	temperatura colore sorgente elettronica colour temperature led source (Kelvin)
o	potenza della sorgente · source power (Watt)

componenti. identifica tutti gli elementi indispensabili per la corretta funzionalità e installazione dell'apparecchio di illuminazione.  
components. includes all items that are essential to the correct operation and installation of the light fitting.

accessori. si riferisce alle ulteriori parti installabili sull'apparecchio.  
accessories. refers to items that can be added to the light fitting.

1	indice di resa cromatica · colour rendering index
2	indice di resa del rosso · red colour rendering index
3	Rf indice di fedeltà colore · colour fidelity index Rg indice di saturazione colore · color gamut index
4	step di macadam · macadam step
5	corrente di alimentazione · power supply current
6	tensione di alimentazione · power supply voltage
7	flusso luminoso · light flux
8	potenza della sorgente · source power
9	efficienza della sorgente · source efficiency
10	codice sorgente elettronica Viabizzuno · Viabizzuno led source code
11	superficie emittente · light emitting surface (mm)
12	% flusso residuo a fine vita · end life % flux
13	% consentita sotto limite · allowed % under limit





## gradi di protezione protection degrees

IPOX	non protetto no protection
IP1X	contro corpi estranei >50 mm protection against solid objects
IP2X	contro corpi estranei >12 mm protection against solid objects
IP3X	contro corpi estranei >2,5 mm protection against solid objects
IP4X	contro corpi estranei >1 mm protection against solid objects
IP5X	protezione da polvere dust-protected
IP6X	stagno alla polvere dust-proof

IPX0	non protetto no protection
IPX1	protetto contro la caduta verticale di gocce d'acqua protected against water drops falling vertically
IPX2	protetto contro la caduta di gocce con inclinazione max 15° protected against water drops max inclination 15°
IPX3	protetto contro la caduta di gocce con inclinazione max 60° protected against water drops max inclination 60°
IPX4	protetto contro spruzzi d'acqua protected against sprinkling water
IPX5	protetto contro getti d'acqua protected against water jets
IPX6	protetto contro inondazioni protected against flooding
IPX7	per breve immersione protected against brief immersions
IPX8	per immersione prolungata protected against long immersion

IK01	nessuna protezione no protection
IK01	protetto contro l'energia d'urto 0,15J protected against collision energy
IK02	protetto contro l'energia d'urto 0,2J protected against collision energy
IK03	protetto contro l'energia d'urto 0,35J protected against collision energy
IK04	protetto contro l'energia d'urto 0,5J protected against collision energy
IK05	protetto contro l'energia d'urto 0,7J protected against collision energy
IK06	protetto contro l'energia d'urto 1J protected against collision energy
IK07	protetto contro l'energia d'urto 2J protected against collision energy
IK08	protetto contro l'energia d'urto 5J protected against collision energy
IK09	protetto contro l'energia d'urto 10J protected against collision energy
IK10	protetto contro l'energia d'urto 20J protected against collision energy

## legenda simboli symbols key

<b>ta</b>	<i>tavolo</i> · table
<b>tr</b>	<i>terra</i> · floor standing
<b>s</b>	<i>soffitto</i> · ceiling
<b>p</b>	<i>parete</i> · wall
<b>sp</b>	<i>sospensione</i> · suspension
<b>bin</b>	<i>binario</i> · track
<b>in</b>	<i>incasso</i> · recessed
<b>st</b>	<i>scomparsa totale</i> · fully concealed
<b>s+e</b>	<i>segnaletica+emergenza</i> · signalling system+emergency
<b>bat</b>	<i>portatili autoalimentati a batteria</i> · portable self-powered with battery
<b>sis</b>	<i>sistemi</i> · systems
<b>pa</b>	<i>palo</i> · pole
<b>pt</b>	<i>palletto</i> · bollard
<b>sd</b>	<i>seduta</i> · sitting
<b>V</b>	<i>disponibile su</i> · available on <i>Viabizzuno applight</i> <i>www.Viabizzuno.com</i> <i>Viabizzuno online</i>
	<i>classe I. solo isolamento fondamentale, le parti conduttrici accessibili sono collegate ad un conduttore di terra. messa a terra tassativa</i> class I. only basic insulation, accessible conductors are earthed. earthing compulsory
	<i>classe II. all'isolamento principale è aggiunto un secondo isolamento oppure ai due isolamenti è sostituito un isolamento rinforzato. messa a terra esclusa</i> class II. basic insulation plus second insulation or both are replaced by reinforced insulation. earthing excluded
	<i>classe III. alimentazione effettuata con bassissima tensione di sicurezza; sono escluse tensioni superiori a 50V-50Hz. messa a terra non prevista.</i> class III. very low safety supply tension; not to be used over 50V-50Hz. earthing excluded.
<b>CE</b>	<i>prodotto conforme alle direttive europee</i> · produced in compliance with ec directives
	<i>marchio di certificazione europea. certifica che il prodotto è conforme alle norme europee sulla sicurezza</i> component approved for north american market and suitable to be used and approved as part of a more complex system
<b>c us</b>	<i>componente certificato per il mercato nord americano idoneo ad essere utilizzato e valutato come parte di in un sistema più complesso</i> component approved for north american market and suitable to be used and approved as part of a more complex system
<b>KEMA</b>	<i>apparecchio di illuminazione approvato da kema</i> · kema approved light fitting
<b>WRAS</b>	<i>prodotto conforme agli standard presenti nel regno unito che regolamentano la sicurezza e la qualità dell'acqua</i> · product complies with uk standards set out by water regulations
	<i>apparecchio di illuminazione certificato secondo le normative vigenti in polonia che regolamentano i dispositivi di sicurezza antincendio</i> certified light fitting according to the regulations about devices for fire safety in force in poland
	<i>prodotto idoneo per essere commercializzato nel mercato cinese</i> · product suitable for the china market
	<i>prodotto finito idoneo per essere commercializzato nel mercato nord americano</i> · listed product suitable for the north american market
<b>UK CA</b>	<i>prodotto conforme alla legislazione vigente nel regno unito</i> · produced in compliance with UK legislation
	<i>apparecchio di illuminazione certificato per il mercato cinese</i> light fitting certified for china market

	<i>vetro opalino</i> · opal glass
	<i>vetro sabbiato</i> · sanded glass
	<i>vetro nero fumè</i> · black smoke glass
	<i>vetro trasparente</i> · transparent glass
	<i>vetro bianco latte</i> · white milk glass
	<i>cristallo</i> · crystal
	<i>policarbonato opalino</i> · opal polycarbonate diffuser
	<i>carrabile</i> · drive over
<b>A</b>	<i>alimentatore incluso</i> · power supply included
	<i>alimentatore escluso</i> · power supply not included
<b>AR</b>	<i>alimentatore remoto incluso</i> · remote power supply included
<b>Ai</b>	<i>alimentatore elettronico con controllo intelligente incluso</i> · electronic power supply with smart control included
<b>AiR</b>	<i>alimentatore elettronico con controllo intelligente incluso, da installare remoto</i> · electonic power supply with smart control included, to be installed remotely
<b>AS</b>	<i>alimentatore a spina incluso</i> · plug power supply included
<b>T</b>	<i>trasformatore incluso</i> · transformer included
	<i>trasformatore escluso</i> · transformer not included
<b>K</b>	<i>kit di cablaggio</i> · wiring kit
	<i>kit di cablaggio escluso</i> · wiring kit not included
<b>L</b>	<i>lampadina con sorgente elettronica led, ad incandescenza, alogena o fluorescente inclusa.</i> bulb with led electronic source, incandescent, halogen or fluorescent included.
	<i>lampadina con sorgente elettronica led, ad incandescenza, alogena o fluorescente esclusa.</i> bulb with led electronic source, incandescent, halogen or fluorescent not included.
<b>Pr</b>	<i>propulsore dinamico n55 incluso</i> · included
	<i>propulsore dinamico n55 escluso</i> · not included
<b>df</b>	<i>diffusore incluso</i> · diffuser included
	<i>diffusore escluso</i> · diffuser not included
	<i>possibilità di combinazione tra interfaccia n55, propulsore dinamico n55 e lampadina n55</i> · possible combination between n55 interface, propulsore dinamico n55 and n55 bulb
	<i>attenzione: sorgente luminosa led. non guardare mai direttamente a occhio nudo</i> · attention: led light source. never look straight without eye protection
<b>ff</b>	<i>flicker free compatibile con fotocamere digitali</i> · flicker free digital camera friendly
<b>l.d.</b>	<i>luce diretta</i> · direct light
<b>l.i.</b>	<i>luce indiretta</i> · indirect light
<b>.d1</b>	<i>dimmerazione 1-10V</i> · 1-10V dimmable
<b>.d2</b>	<i>dimmerazione dali</i> · dimmable dali
<b>.SA</b>	<i>kit luce + emergenza sempre accese. attenzione: non è possibile installare nelle cassafornne laterizio</i> light kit + permanently lit emergency lamp. please note: cannot be installed in brickwork housing
<b>.SE</b>	<i>solo emergenza sempre accesa. attenzione: non è possibile installare nelle cassafornne laterizio</i> permanently lit emergency lamp only. please note: cannot be installed in brickwork housing
<b>i</b>	<i>peso netto</i> · net weight (kg)