

Cascate d'acqua purissima che scendono da altezze incredibili e che si scompongono in miliardi di bollicine illuminate dal sole, luci infinitesimali sospese nello spazio. Gli apparecchi a sospensione prodotti da Biffi Luce, riproducono queste sensazioni, coinvolgendo chi li guarda.

Crystalline waterfall that flow from unbelievable heights and that break up in milliard of little bubbles lightned by the sun, infinitesimal lights suspended in the space. The suspended luminaries, produced by Biffi Luce, reproduce the same effects, the same feelings involving the onlookers.

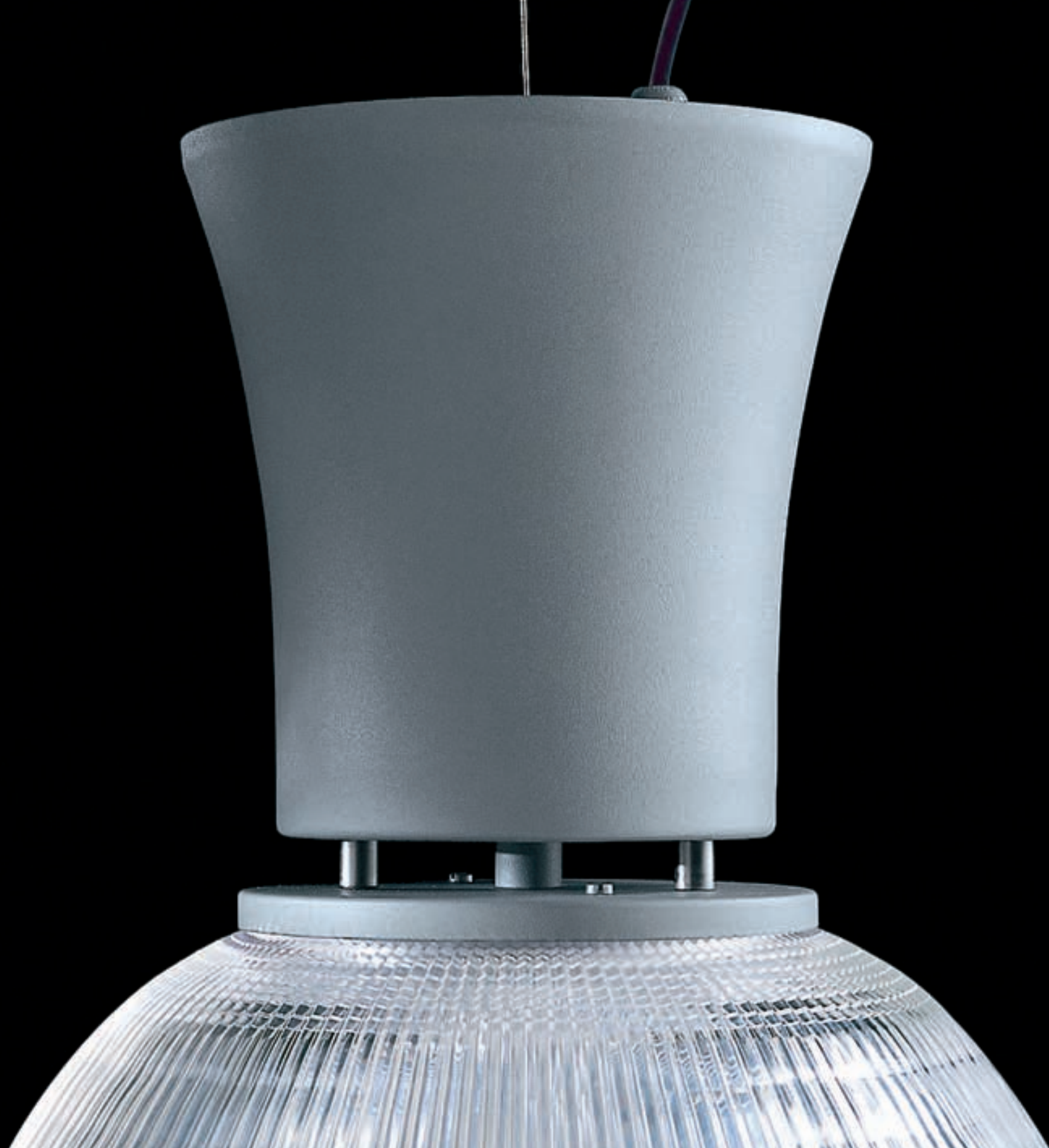
**BIFFI** | Luce  
illumina le tue emozioni

SOSPENSIONI

CLARO  
167

BUSSOLO  
173

SATELLITE  
195





Questa sospensione contempla in un'unione perfetta, un grande design, un alto standard tecnologico e l'impiego di multisorgenti luminose. Corpo in alluminio tornito verniciato in epossipoliesteri stabilizzato ai raggi U.V. e disponibile con riflettore in due modelli: in alluminio superpuro 99.9 % ossidato e brillantato, in acrilico prismato per un alto rendimento luminoso. Disponibile in tre misure: large, medium e small, può avvalersi di varie sorgenti luminose: alogene a tensione di rete, a scarica, fluorescenti. Su richiesta sono disponibili gli schermi di protezione in vetro temperato parzialmente sabbato. Gli apparecchi predisposti per lampade a scarica sono dotati di alimentazione elettromeccanica con accenditore temporizzato e condensatore con dispositivo anti-scoppio mentre quelli per lampade a fluorescenza sono dotati di alimentazione elettronica rifasata. La serie CLARO è disponibile in versione con lampada di pre-accensione e con moduli per l'emergenza con autonomia 60 minuti; su richiesta con adattatore a binario elettrificato trifase e con reattori dimmerabili (tecnologia analogica : 1.10 V, digitale o DALI) per lampade fluorescenti. Il grado di protezione contro liquidi e solidi è IP40.















This suspended lighting apparatus is a perfect combination of careful design and advanced technology and uses a variety of light sources. Its body is in molded aluminum glazed with epoxy-polyester paint stabilized using ultraviolet rays. Its reflector comes in three models: in super pure aluminum 99.9 % oxidized or shiny and in prismatic acrylic and provides high luminous performance. It's available in three sizes: large, medium and small and is suitable for a variety of light sources: halogen powered by mains voltage, HID lamps and fluorescent lamps. Upon request, safety screens are available in tempered and partially sanded glass.

The devices prepared for HID lamps include magnetic ballast with a timer ignitor and a capacitor with a break-action mechanism. Fluorescent lamps are equipped with an electronic ballast.

The CLARO range includes a version with a pre-ignition lamp and emergency lamps with 60 minute autonomy. Upon request, a three-phased electrified track adaptor is available with dimmers (analogical technology: 1.10 V, digital or DALI) for fluorescent lamps. The degree of protection against liquids and solids is IP40.

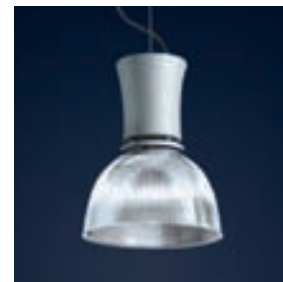
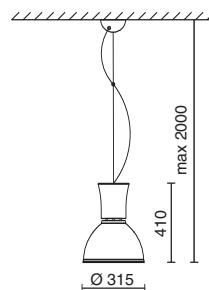
CLARO



8155		QT-32	150W	E27		63
8455		TC-TE	32/42W	GX24q-3/4		64
8455/2		TC-TE	2X32/42W	GX24q-3/4		65
8456		TC-TE	57W	GX24q-5		66
8456/EM		TC-TE	57W	GX24q-5		66
8755*		CDM-T	70W	G12		67
8756		HCI-E/P	70W	E27		68

Ottica in acrilico trasparente.  
Reflector in transparent acrylic.

\* Vetro di protezione obbligatorio.  
Cod. 4004



CE  IP40

EM = Emergenza autonomia 1h  
Emergency autonomy 1h













Alimentazione inclusa.  
Ballast included.

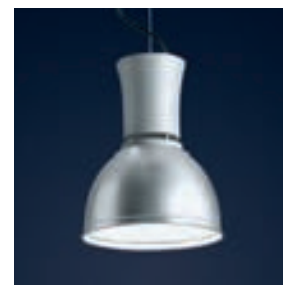
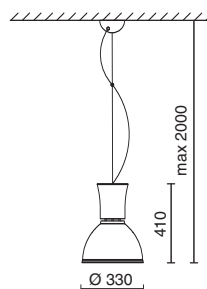
Gli apparecchi con lampada agli ioduri metallici sono provvisti di accenditore temporizzato.  
Metal halide luminaires with timer ignitor.

Cod. 4004

Vetro: a richiesta (Solo per acrilico).  
Glass: upon request (Only for acrylic).

















8158		QT-32	150W	E27		52
8458		TC-TE	32/42W	GX24q-3/4		53
8458/2		TC-TE	2X32/42W	GX24q-3/4		54
8459		TC-TE	57W	GX24q-5		55
8459/EM		TC-TE	57W	GX24q-5		55
8759		HCI-E/P	70W	E27		56

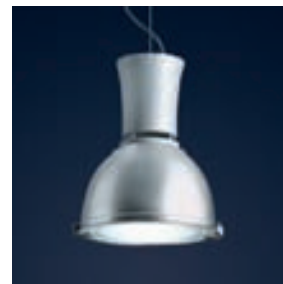
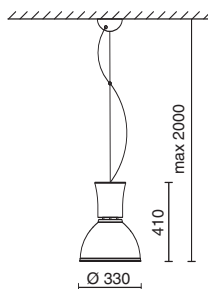


08 Bianco avorio RAL 9010  
White ivory like RAL 9010

22 Grigio gofrato RAL 9006  
Embossed grey RAL 9006

8158/VO		QT-32	150W	E27		57
8458/VO		TC-TE	32/42W	GX24q-3/4		95
8458/2/VO		TC-TE	2X32/42W	GX24q-3/4		59
8459/VO		TC-TE	57W	GX24q-5		60
8459/VO/EM		TC-TE	57W	GX24q-5		60
8758/VO		CDM-T	70W	G12		61
8759/VO		HCI-E/P	70W	E27		62

Completo di vetro.  
With glass.



CE IP40

EM = Emergenza autonomia 1h  
Emergency autonomy 1h

Completo di Portalamada  
G24q-2 per lampadina  
fluorescente 18W.  
With Lampholder G24q-2 for  
fluorescent lamp 18W.

PA = Preaccensione  
Pre-switching



















Completo di Portalamada  
E27 per lampadina  
alogeno Halolux 100W.  
With Lampholder E27 for  
Halolux lamp 100W.

Alimentazione inclusa.  
Ballast included.

Gli apparecchi con lampada agli  
ioduri metallici sono provvisti  
di accenditore temporizzato.  
Metal halide luminaires with  
timer ignitor.

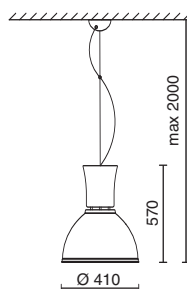
Cod. 4005

Vetro: a richiesta (Solo per acrilico).  
Glass: upon request (Only for acrylic).













8460		TC-TE	1X70W	GX24q-6		69
8460/4		TC-TE	4X32/42W	GX24q-3/4		70
8461		TC-TE	2X57W	GX24q-5		71
8760*		CDM-T	150W	G12		72
8760/EM*		CDM-T	150W	G12		72
8760/PA*		CDM-T	150W	G12		72
8761		HCI-E/P	150W	E27		73
8762		HQI-E/P	250W	E40		74
8763		SDW-T	100W	PG12-1		75

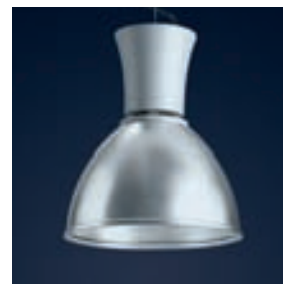
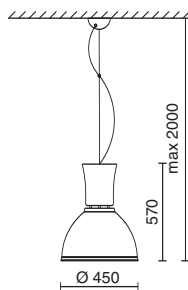
Ottica in acrilico trasparente.  
Reflector in transparent acrylic.

\* Vetro di protezione obbligatorio.  
Cod. 4005



08 Bianco avorio RAL 9010  
White ivory like RAL 9010  
22 Grigio gofrato RAL 9006  
Embossed grey RAL 9006

8462		TC-TE	1X70W	GX24q-6		76
8462/4		TC-TE	4X32/42W	GX24q-3/4		77
8463		TC-TE	2X57W	GX24q-5		78
8766		HCI-E/P	150W	E27		79
8767		HQI-E/P	250W	E40		80
8768		SDW-T	100W	PG12-1		81



CE IP40

EM = Emergenza autonomia 1h  
Emergency autonomy 1h



















Completo di Portalampada  
G24q-2 per lampadina  
fluorescente 18W.  
With Lampholder G24q-2 for  
fluorescent lamp 18W.

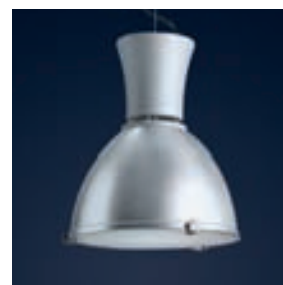
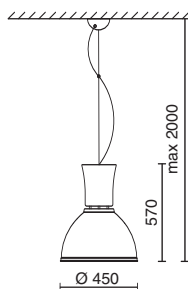
PA = Preaccensione  
Pre-switching

Completo di Portalampada  
E27 per lampadina  
alogeno Halolux 100W.  
With Lampholder E27 for  
Halolux lamp 100W.

Alimentazione inclusa.  
Ballast included.

Gli apparecchi con lampada agli  
ioduri metallici sono provvisti  
di accenditore temporizzato.  
Metal halide luminaires with  
timer ignitor.

8462/VO		TC-TE	70W	GX24q-6		82
8462/4/VO		TC-TE	4X32/42W	GX24q-3/4		83
8463/VO		TC-TE	2X57W	GX24q-5		84
8765/VO		CDM-T	150W	G12		85
8765/VO/EM		CDM-T	150W	G12		85
8765/VO/PA		CDM-T	150W	G12		85
8766/VO		HCI-E/P	150W	E27		86
8767/VO		HQI-E/P	250W	E40		87
8768/VO		SDW-T	100W	PG12-1		88

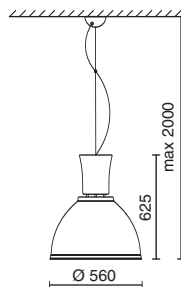


Completo di vetro.  
With glass.

08 Bianco avorio RAL 9010  
White ivory like RAL 9010  
22 Grigio gofrato RAL 9006  
Embossed grey RAL 9006

8464		TC-TE	2X70W	GX24q-6		89
8770		HQL-E/P	250W	E40		90

Ottica in acrilico trasparente.  
Reflector in transparent acrylic.

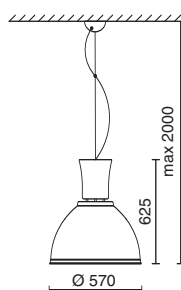


CE  IP40

Alimentazione inclusa.  
Ballast included.

Gli apparecchi con lampada agli ioduri metallici sono provvisti di accenditore temporizzato.  
Metal halide luminaires with timer ignitor.

8466		TC-TE	2X70W	GX24q-6		91
8773		HQL-E/P	250W	E40		92



08 Bianco avorio RAL 9010  
White ivory like RAL 9010  
22 Grigio goffrato RAL 9006  
Embossed grey RAL 9006





















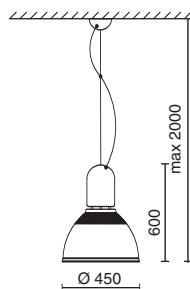


Sospensione che si caratterizza per il design innovativo in grado di abbinare in maniera perfetta la funzionalità dell'ampia gamma delle sorgenti luminose con l'efficienza dell'alta tecnologia. Costruito in metallo stampato e verniciato in epossipoliestere stabilizzato ai raggi U.V. e disponibile con riflettore in tre varianti: in alluminio super-puro 99.9 % ossidato e brillantato, in acrilico prismato per un'elevata resa luminosa e infine grazie al binomio alluminio-policarbonato otteniamo una distribuzione della luce diretta e indiretta, espressione di comfort visivo. Disponibile in tre dimensioni (large, medium e small) la serie si avvale di diverse sorgenti luminose: alogene a tensione di rete, a scarica, fluorescenti e nella versione large, possibilità di miscelare la luce con 3 AR111 e una ioduri metallici (art. 8776). A completamento della gamma, sono disponibili schermi di protezione in vetro temperato parzialmente sabbato e nella versione small, un ulteriore riflettore in acrilico bianco opalino. Gli apparecchi predisposti per lampade a scarica sono completi di alimentazione elettromeccanica con accenditore temporizzato e condensatore con dispositivo antiscoppio mentre quelli per lampade a fluorescenza sono dotati di alimentazione elettronica rifasata. Sono disponibili Bussolo con lampada di preaccensione e con moduli per l'emergenza con autonomia di 60 minuti; su richiesta con adattatore a binario elettrificato trifase e con reattori dimmerabili (tecnologia analogica: 1.10 V, digitale o DALI) per lampade fluorescenti. Particolare menzione va alla sospensione (art. 8747) con riflettore interno a fascio controllato 8°+8° con possibilità di applicare filtri carne, pesce o pane, indispensabili per supermercati e negozi alimentari. Il grado di protezione contro liquidi e solidi è IP20.

A suspension luminaire characterized by an innovative design able to perfectly combine the functionality of the wide range of light sources with the efficiency of the high technology. It is made metal painted with epoxy-polyester UV-ray stabilized coat and available with reflector in three different models: in 99.9% pure oxidized and polished aluminium, in prisms acrylic for a high lighting efficiency and thanks to the combination aluminium-poly-carbonate it features direct and indirect light for a great visual comfort. Available in three dimensions (large, medium and small) this series is provided with different light sources: halogen network tension lamps, discharge lamps, fluorescent lamps and in the large version it is possible to mix the light with 3 AR111 lamps and a metal iodide lamp (art. 8776). To complete the range, protection screens in tempered and partially sanded glass are available and in the small version a further reflector in white or opal acrylic is available. The luminaires suitable for discharge lamps are provided with magnetic ballast and timer ignitor and capacitor with break-action mechanism, while the luminaires for fluorescent lamps are provided with electronic ballast. Bussolo models with pre-lighting lamps and emergency devices with a 60 minute autonomy are available; on request they are supplied with electrified three-phase adapter for tracks and dimmerable reactors (analogical technology: 1.10V, digital or DALI) for fluorescent lamps. A particular mention goes to the suspension (art. 8747) with controlled 8°+8° shaft inner reflector with the possibility to apply meat, fish or bread filters, essential in supermarkets and food stores.

8412/VO		TC-TE	70W	GX24q-6		108
8413/VO		TC-TE	4X32/42W	GX24q-3/4		109
8414/VO		TC-TE	2X57W	GX24q-5		110
8712/VO		CDM-T	150W	G12		111
8712/VO/EM		CDM-T	150W	G12		111
8712/VO/PA		CDM-T	150W	G12		111
8713/VO		HCI-E/P	150W	E27		112
8714/VO		HQI-E	250W	E40		113

Completo di vetro.  
With glass.



CE IP20

EM = Emergenza autonomia 1h  
Emergency autonomy 1h

Completo di Portalampada  
G24q-2 per lampadina  
fluorescente 18W.  
With Lampholder G24q-2 for  
fluorescent lamp 18W.

PA = Preaccensione  
Pre-switching











Completo di Portalampada  
E27 per lampadina  
alogeno Halolux 100W.  
With Lampholder E27 for  
Halolux lamp 100W.

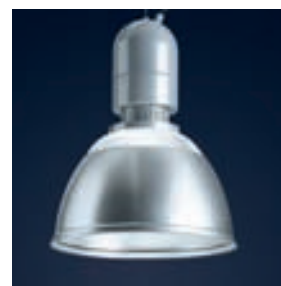
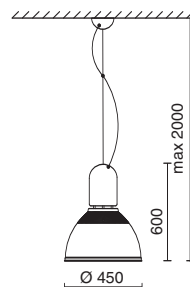
Alimentazione inclusa.  
Ballast included.

Gli apparecchi con lampada agli  
ioduri metallici sono provvisti  
di accenditore temporizzato.  
Metal halide luminaires with  
timer ignitor.

Ottica in alluminio e policarbonato.  
Aluminium and polycarbonate  
reflector.

Bidiffusione luce diretta/indiretta.  
Double diffusion direct/indirect light.

8412		TC-TE	70W	GX24q-6		114
8413		TC-TE	4X32/42W	GX24q-3/4		115
8414		TC-TE	2X57W	GX24q-5		116
8713		HCI-E/P	150W	E27		117
8714		HQI-E/P	250W	E40		118



08 Bianco avorio RAL 9010  
White ivory like RAL 9010

22 Grigio gofrato RAL 9006  
Embossed grey RAL 9006





CE IP20

A richiesta filtri per carne (cod. 4007),  
pesce (cod. 4008) e pane (cod. 4009).  
Filter for beef (cod. 4007),  
fish (cod. 4008) and bread (cod. 4009),  
available upon request.

Completo di parabola interna  
con fascio 8°+8°.  
With reflector 8°+8°.

Alimentazione elettromeccanica inclusa.  
Magnetic ballast included.

Con accenditore temporizzato.  
With timer ignitor.

8747



CDM-T

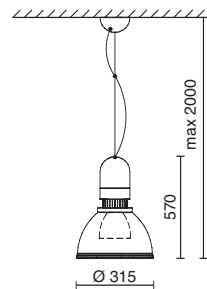
70W

G12



32

Ottica in acrilico trasparente.  
Reflector in transparent acrylic.





08 Bianco avorio RAL 9010  
White ivory like RAL 9010

22 Grigio gofrato RAL 9006  
Embossed grey RAL 9006

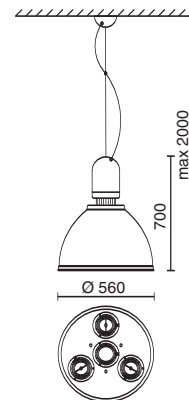


Alimentazione elettromeccanica inclusa.  
Magnetic ballast/transformer included.

Con accenditore temporizzato.  
With timer ignitor.

8776		CDM-T	70W	G12	
		AR-111	max3X100W	G53	12V

Ottica in acrilico trasparente.  
Reflector in transparent acrylic.



08 Bianco avorio RAL 9010  
White ivory like RAL 9010  
22 Grigio gofrato RAL 9006  
Embossed grey RAL 9006





CE IP20

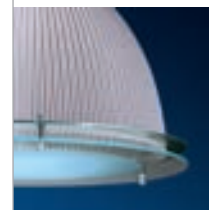
Alimentazione inclusa.  
Ballast included.











Gli apparecchi con lampada agli ioduri metallici sono provvisti di accenditore temporizzato.  
Metal halide luminaires with timer ignitor.

Cod. **4004**

Vetro: a richiesta.

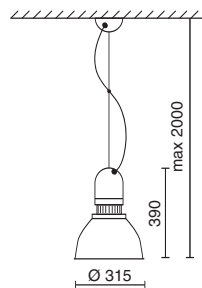
Glass: upon request.



8213/OP		TC-TE	32/42W	GX24q-3/4	Kg. 2,00		119
8214/OP		QT-32	150W	E27	Kg. 1,8		120
8440/OP		TC-TE	57W	GX24q-5	Kg. 2,0		121
8740/OP		HCl-E/P	70W	E27	Kg. 3,5		122
8750/OP*		CDM-T	70W	G12	Kg. 3,5		123

Ottica in acrilico bianco.  
Reflector in white acrylic.

\* Vetro di protezione obbligatorio.  
Cod. **4004**

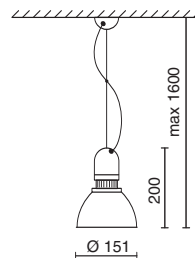


08 Bianco avorio RAL 9010  
White ivory like RAL 9010

19 Nichel spazzolato  
Satin nickel



22 Grigio gofrato RAL 9006  
Embossed grey RAL 9006

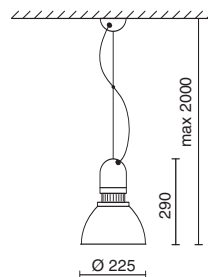
8110  HALOPIN 60W 230V G9



CE  IP20

\* Alimentazione elettromeccanica inclusa.  
\* Magnetic ballast included.

8411\*  TC-T 26W GX24d-3  
8111  QT-32 max150W E27














20 Anodizzato naturale  
Natural anodised



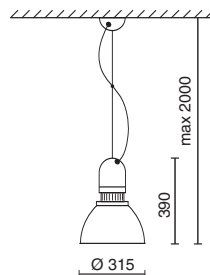




8213		TC-TE	1X32/42W	GX24q-3/4	Kg. 2,00			96
8214		QT-32	1X150W	E27	Kg. 1,80			63
8440		TC-TE	1X57W	GX24q-5	Kg. 2,00			66
8740		HCI-E/P	70W	E27	Kg. 3,50			68
8750*		CDM-T	1X70W	G12	Kg. 3,50			67

Ottica in acrilico trasparente.  
Reflector in transparent acrylic.

\* Vetro di protezione obbligatorio.  
Cod. 4004



CE IP20










Alimentazione inclusa.  
Ballast included.

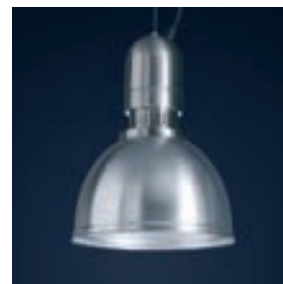
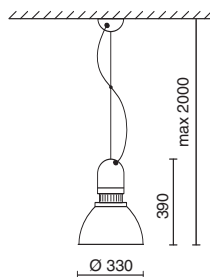
Gli apparecchi con lampada agli ioduri metallici sono provvisti di accenditore temporizzato.  
Metal halide luminaires with timer ignitor.











Cod. 4004

Vetro: a richiesta (Solo per acrilico).  
Glass: upon request (Only for acrylic).

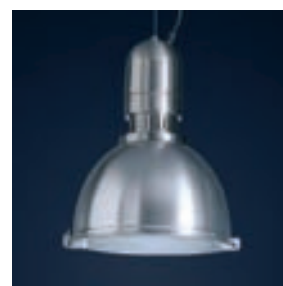
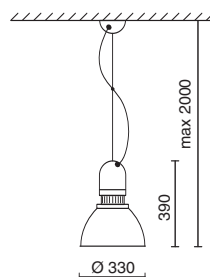


8151		QT-32	1X150W	E27	Kg. 1,80			52
8441		TC-TE	1x57W	GX24q-5	Kg. 2,00			55
8451		TC-TE	1X32/42W	GX24q-3/4	Kg. 2,00			93
8741		HCI-E/P	70W	E27	Kg. 3,50			56



8151/VO		QT-32	1X150W	E27	Kg. 2,40			57
8441/VO		TC-TE	1X57W	GX24q-5	Kg. 2,60			60
8451/VO		TC-TE	1X32/42W	GX24q-3/4	Kg. 2,60			95
8741/VO		HCI-E/P	70W	E27	Kg. 4,10			62
8751/VO		CDM-T	1X70W	G12	Kg. 4,10			61

Completo di vetro.  
With glass.



08 Bianco avorio RAL 9010  
White ivory like RAL 9010

19 Nichel spazzolato  
Satin nickel

22 Grigio goffrato RAL 9006  
Embossed grey RAL 9006



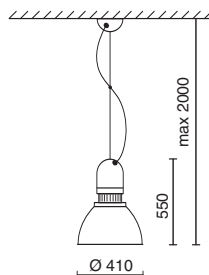




8216/A*		CDM-T	1X150W	G12	Kg. 5,60		72
8216/A/EM		CDM-T	150W	G12	Kg. 6,10		72
8216/A/PA		CDM-T	1X150W	G12	Kg. 5,80		72
8217/A		HQI-E/P	1X250W	E40	Kg. 4,85		74
8221/A		TC-TE	2X32/42W	GX24q-3/4	Kg. 3,40		98
8222/A		TC-TE	4X32/42W	GX24q-3/4	Kg. 3,60		70
8223/A		TC-TE	2X57W	GX24q-5	Kg. 3,50		71
8711/A		HCI-E/P	150W	E27	Kg. 5,60		73

Ottica in acrilico trasparente.  
Reflector in transparent acrylic.

\* Vetro di protezione obbligatorio.  
Cod. 4005



CE IP20

Alimentazione inclusa.  
Ballast included.

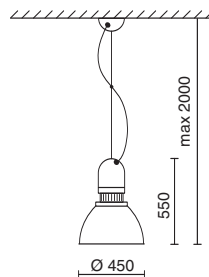
Gli apparecchi con lampada agli ioduri metallici sono provvisti di accenditore temporizzato. Metal halide luminaires with timer ignitor.

Cod. 4005

Vetro: a richiesta (Solo per acrilico).  
Glass: upon request (Only for acrylic).



8217		HQI-E/P	1X250W	E40	Kg. 5,25		80
8221		TC-TE	2X32/42W	GX24q-3/4	Kg. 3,80		100
8222		TC-TE	4X32/42W	GX24q-3/4	Kg. 4,00		77
8223		TC-TE	2X57W	GX24q-5	Kg. 3,80		78
8711		HCI-E/P	150W	E27	Kg. 6,00		79



EM = Emergenza autonomia 1h  
Emergency autonomy 1h

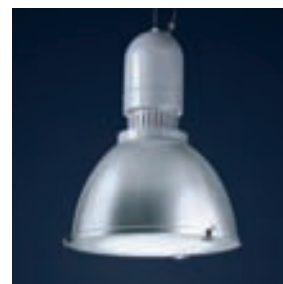
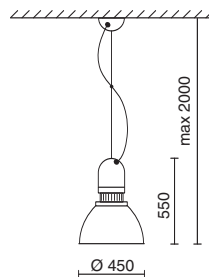
Completo di Portalampada  
G24q-2 per lampadina  
fluorescente 18W.  
With Lampholder G24q-2 for  
fluorescent lamp 18W.

PA = Preaccensione  
Pre-switching

Completo di Portalampada  
E27 per lampadina  
alogeno Halolux 100W.  
With Lampholder E27 for  
Halolux lamp 100W.

8216/VO		CDM-T	1X150W	G12	Kg. 7,40		85
8216/VO/EM		CDM-T	150W	G12	Kg. 7,90		85
8216/VO/PA		CDM-T	150W	G12	Kg. 6,20		85
8217/VO		HQI-E/P	1X250W	E40	Kg. 6,65		87
8221/VO		TC-TE	2X32/42W	GX24q-3/4	Kg. 5,20		101
8222/VO		TC-TE	4X32/42W	GX24q-3/4	Kg. 5,40		83
8223/VO		TC-TE	2X57W	GX24q-5	Kg. 5,20		84
8711/VO		HCI-E/P	150W	E27	Kg. 7,40		86

Completo di vetro.  
With glass.











08 Bianco avorio RAL 9010  
White ivory like RAL 9010  
22 Grigio goffrato RAL 9006  
Embossed grey RAL 9006

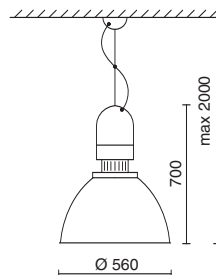






8219		HQL-E/P	1X250W	E40	Kg. 9,60		90
8220		HQL-E/P	1x400W	E40	Kg.10,00		102
8225		TC-TE	4X32/42W	GX24q-3/4	Kg. 7,00		103
8426		TC-TE	2X70W	GX24q-6	Kg. 6,50		89









Ottica in acrilico trasparente.  
Reflector in transparent acrylic.

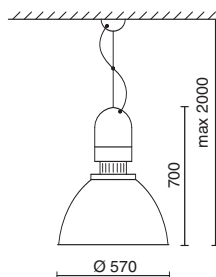


CE  IP20



Alimentazione inclusa.  
Ballast included.

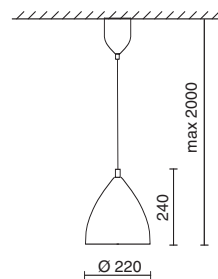
Gli apparecchi con lampada agli ioduri metallici sono provvisti di accenditore temporizzato.  
Metal halide luminaires with timer ignitor.

8230		HQL-E/P	1X250W	E40	Kg.11,60		92
8231		HQL-E/P	1x400W	E40	Kg.12,00		104
8232		TC-TE	4X32/42W	GX24q-3/4	Kg. 8,00		105
8433		TC-TE	2X70W	GX24q-6	Kg. 7,50		91




08 Bianco avorio RAL 9010  
White ivory like RAL 9010  
22 Grigio goffrato RAL 9006  
Embossed grey RAL 9006

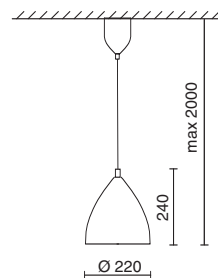
8104  QT-32 max150W E27 Kg. 1,00  106



CE  IP20

8400  TC-T 26W GX24d-3 Kg. 1,60  107

Alimentazione elettromeccanica inclusa.  
Magnetic ballast included.



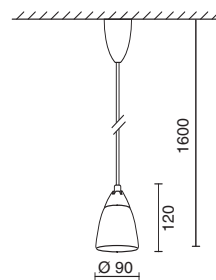
20 Anodizzato naturale  
Natural anodised







3150		HAL	50-75W	230V	GU10
3151		HALOPIN	60W	230V	G9



22 Grigio gofrato RAL 9006  
Embossed grey RAL 9006

Illumina le tue emozioni



**BIFFI** | Luce














# CURVE FOTOMETRICHE

η:	Ø1 - 180° - 0° Ø2 - 90° - 270°	H(m)	Ø1(m)	Ø2(m)	Lux max.	Lux med.
80,10%						
	$\alpha = 122^\circ$ $\beta = 120^\circ$					
						
		1	3,60	3,43	645	142
		2	7,21	6,86	161	36
		3	10,82	10,82	72	16
		4	14,43	13,72	40	9
		5	18,03	17,15	33	6
TC-TE 42W GX24q-4						

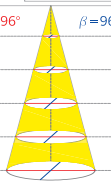
119

η:	Ø1 - 180° - 0° Ø2 - 90° - 270°	H(m)	Ø1(m)	Ø2(m)	Lux max.	Lux med.
89,41%						
	$\alpha = 94^\circ$ $\beta = 92^\circ$					
						
		1	2,15	2,07	920	308
		2	4,30	4,14	230	77
		3	6,45	6,22	102	34
		4	8,61	8,29	58	19
		5	10,76	10,36	37	12
QT-32 150W E27						


120

η:	Ø1 - 180° - 0° Ø2 - 90° - 270°	H(m)	Ø1(m)	Ø2(m)	Lux max.	Lux med.
80,10%						
	$\alpha = 126^\circ$ $\beta = 124^\circ$					
						
		1	3,97	3,77	866	163
		2	7,95	7,54	217	41
		3	11,92	11,32	96	18
		4	15,98	15,09	54	10
		5	19,87	18,86	35	7
TC-TE 57W GX24q-5						

121

η:	Ø1 - 180° - 0° Ø2 - 90° - 270°	H(m)	Ø1(m)	Ø2(m)	Lux max.	Lux med.
95,02%						
	$\alpha = 96^\circ$ $\beta = 96^\circ$					
						
		1	2,24	2,24	1865	637
		2	4,47	4,47	466	159
		3	6,76	6,76	207	71
		4	8,94	8,94	117	40
		5	11,18	11,18	75	25
HCL-E/P 150W E27						

122

η:	Ø1 - 180° - 0° Ø2 - 90° - 270°	H(m)	Ø1(m)	Ø2(m)	Lux max.	Lux med.
65,55%						
	$\alpha = 118^\circ$ $\beta = 116^\circ$					
						
		1	3,30	3,12	1115	253
		2	6,61	6,24	279	63
		3	9,91	9,35	124	28
		4	13,21	12,47	70	16
		5	16,52	15,59	45	10
CDM-T 70W G12						

123