

Camminare in un centro commerciale o in un negozio d'abbigliamento e soffermarsi dove il colore è più vivo, dove la forma di un capo è sinonimo di stile, lo si deve alla luce che esce di soppiatto, senza creare problemi, lasciando le superfici del controsoffitto lisce e pulite.

To walk in a shopping centre or in a clothing shop and to stop where the colour is more bright, where the shape of an article of clothing is synonym of style : this is possible thanks to the light that steals away, without making problems, leaving clear and smooth the surfaces of the false ceiling.

**BIFFI** | Luce  
illumina le tue emozioni

INCASSI FISSI

DOVÈ  
205

GHIBLI  
215

SQUARE  
215

MISTRAL  
221

MARINA  
221

STEP LIGHT  
228

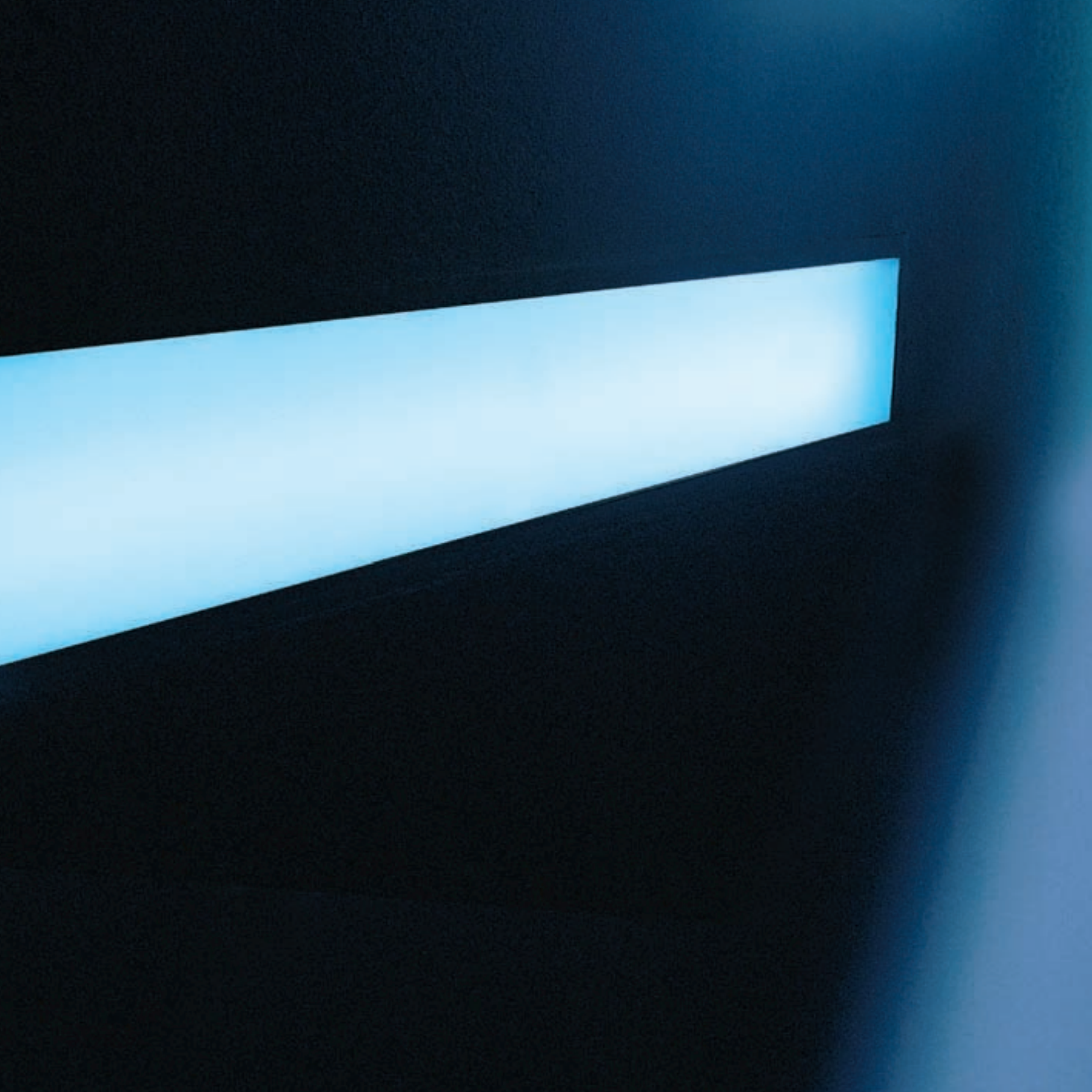
ECO  
230

COMPACT  
231

TECNICAL  
234

MICRO  
242











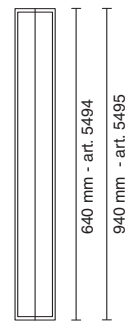
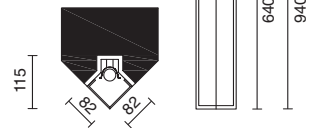
Disegnato da Leonardo Zanino e Diego Gugliermetto, sfrutta le pareti, gli angoli e gli spigoli per lasciare lo spazio integro e disponibile all'arredamento. Il corpo in gesso viene murato, stuccato a filo intonaco e rifinito con la parete. Nell'interno si alloggia il cablaggio elettrico ed il riflettore in alluminio superpuro 99,9%. Il tutto ricoperto dallo schermo in metacrilato opalino conferisce un aspetto quasi invisibile al corpo illuminante. Nella versione Plano è anche disponibile uno schermo in vetro fuso operato con inserti colorati, la produzione di questo vetro è artistico artigianale e pertanto i vetri saranno pezzi unici. Le sorgenti luminose sono lampade fluorescenti T5 a risparmio energetico da 24W e 39W con alimentatore elettronico che consente una accensione pronta e senza sfarfallio.





Designed by Leonardo Zanino and Diego Gugliermetto, it uses the walls, corners and edges and leaves the area of the room free for decor. Its plaster body is flush-mounted and finished like the wall and inside it are housed the electrical wiring and the reflector in super pure 99.9% aluminum. The whole structure is then covered with frosted methacrylate glass which hides the lighting apparatus almost completely from view. The Plano version has a screen in tempered glass with colored inserts and it is produced by master craftsmen. In fact, these glass structures are each unique pieces. The light sources are fluorescent T5 lamps, 24W and 39W, with low energy consumption and the power pack is electronic which allows instant ignition without flutter.

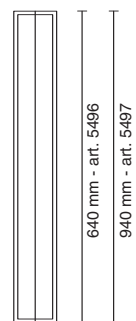
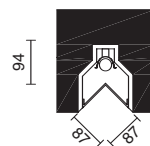
DOVÈ  
PATENTED





Design: Leonardo Zanino e Diego Gugliermetto

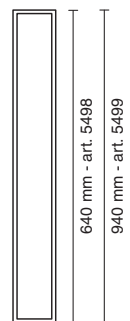
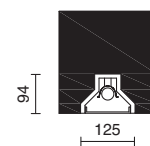
5494		T5	24W	G5		124
5495		T5	39W	G5		125



5496		T5	24W	G5		126
5497		T5	39W	G5		127



5498		T5	24W	G5		128
5499		T5	39W	G5		129



CE IP40

Alimentazione elettronica inclusa.  
Electronic transformer included.

Cassaforma in gesso inclusa.  
Plaster flush box included.





Si mura, si stucca, si vernicia la parete e dov'è il corpo illuminante?



SPIGOLO

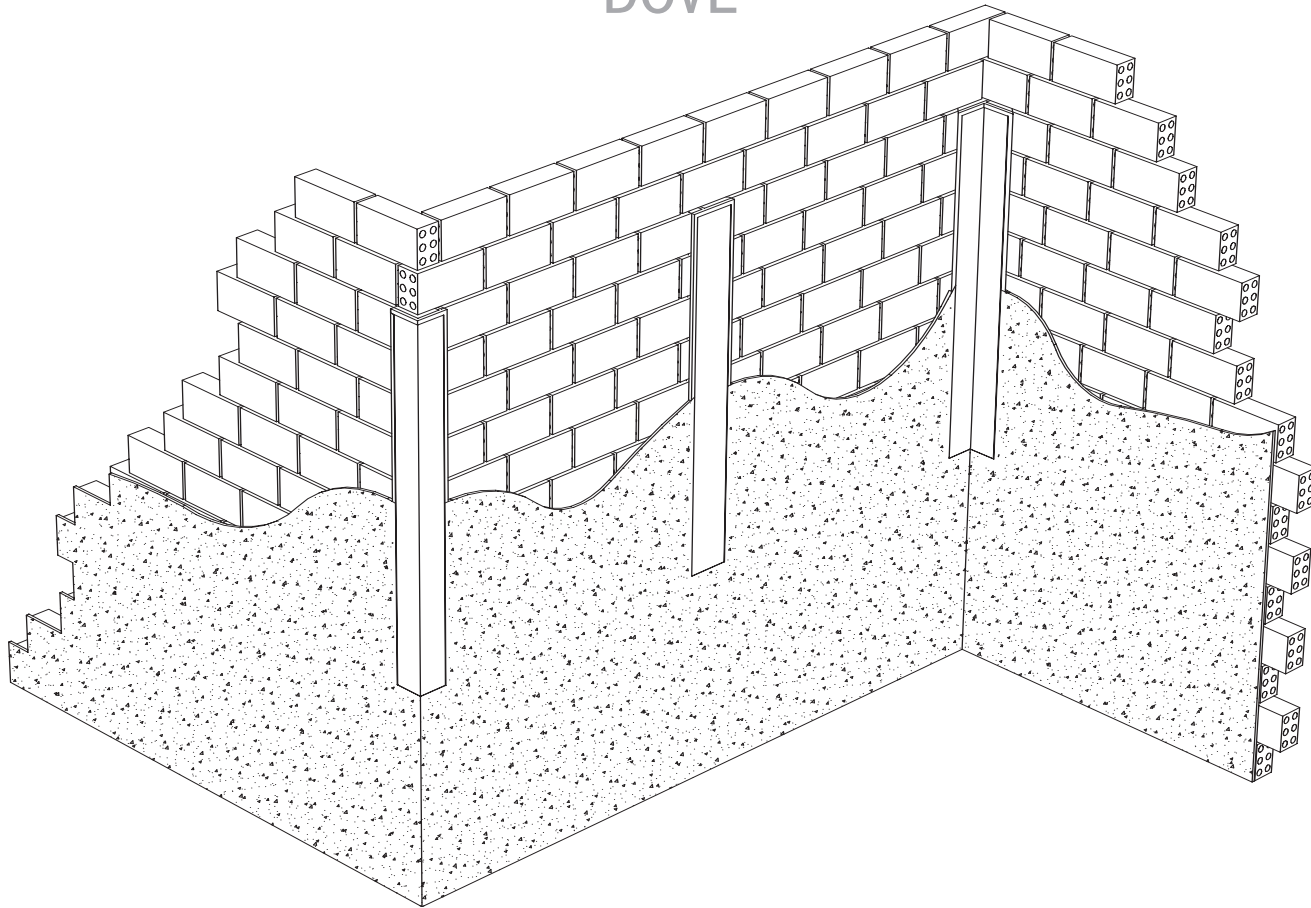


PLANO

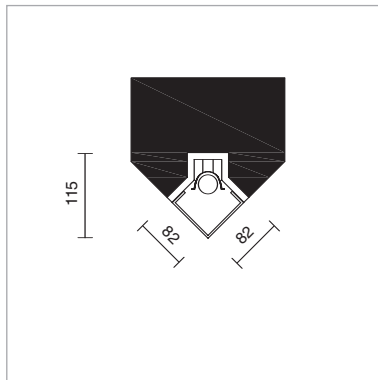


ANGOLO

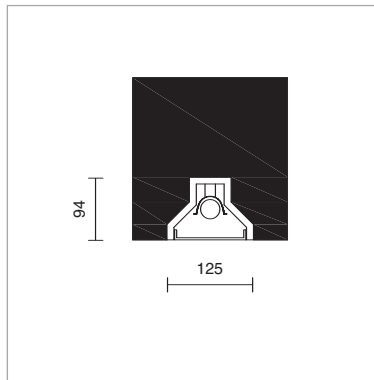
DOVÉ



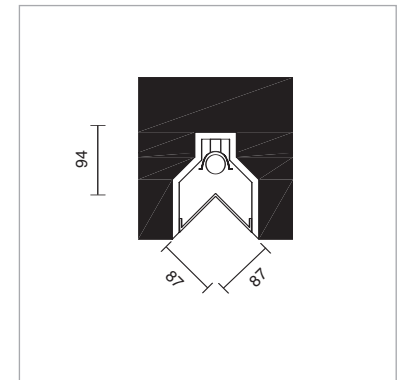
SPIGOLO



PLANO



ANGOLO







**BIFFI** | Luce  
illumina le tue emozioni





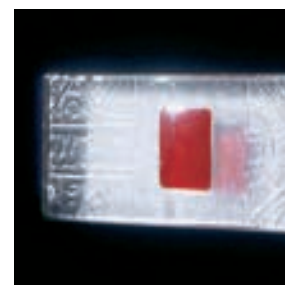
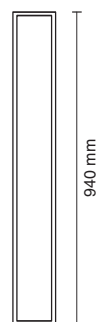
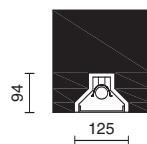


CE IP40

Alimentazione elettronica inclusa.  
Electronic transformer included.

Cassaforma in gesso inclusa.  
Plaster flush box included.

5493  T5 39W G5  130







La nuova linea di incassi fissi propone soluzioni tecniche e design innovativi per la personalizzazione dell'illuminazione di spazi commerciali. Il corpo è costituito da alluminio pressofuso e vetro temperato ed è disponibile con alimentazione tradizionale, elettronica e nella versione emergenza. Le sorgenti luminose di cui è dotata sono fluorescenti compatte 18W e 26W. Il grado di protezione contro liquidi e solidi è IP44 per la serie GHIBLI e IP43 per la serie SQUARE.

The new line of fixed built-in luminaires shows technical solutions and innovative designs allowing to customize commercial spaces. The body is made in die-cast aluminium and tempered glass and is available with traditional, electronic and emergency supply. This model is equipped with 18W and 26W compact fluorescent lamps. Protection against liquid and solid substances: IP44 for GHIBLI set IP43 for SQUARE set.













GHIBLI - SQUARE

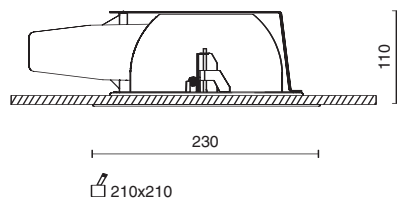


Alimentazione inclusa.  
Ballast included.

EM = Emergenza autonomia 1h  
Emergency autonomy 1h

EL = Elettronico  
Electronic

5468		TC-D	2X18W	G24d-2		131
5468/EM		TC-DE	2X18W	G24q-2		131
5468/EL		TC-DE	2X18W	G24q-2		131
5469		TC-D	2X26W	G24d-3		132
5469/EM		TC-DE	2X26W	G24q-3		132
5469/EL		TC-DE	2X26W	G24q-3		132



01 Bianco  
White

08 Bianco avorio RAL 9010  
White ivory like RAL 9010

22 Grigio gofrato RAL 9006  
Embossed grey RAL 9006

25 Cromo opaco  
Chrome matt







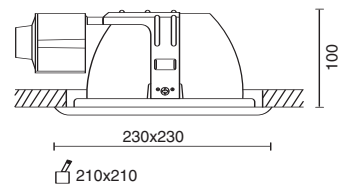
EM = Emergenza autonomia 1h  
Emergency autonomy 1h

EL = Elettronico  
Electronic

AS = Asimmetrico  
Asymmetrical

5451			TC-D	2X18W	G24d-2		131
5452	EL		TC-DE	2X18W	G24q-2		131
5453			TC-D	2X26W	G24d-3		132
5454	EL		TC-DE	2X26W	G24q-3		132
5455	EM		TC-DE	2X18W	G24q-2		131
5456	EM		TC-DE	2X26W	G24q-3		132
5457	EL		TC-DE	2X32/42W	GX24q-3/4		133

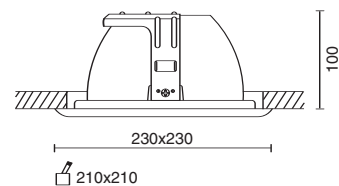
Alimentazione inclusa.  
Ballast included.



5712		CDM-TD	70W	230V	RX7s		134
5713		CDM-TD	150W	230V	RX7s		135

Alimentazione elettromeccanica inclusa.  
Magnetic ballast included.

Con accenditore temporizzato.  
With timer ignitor.

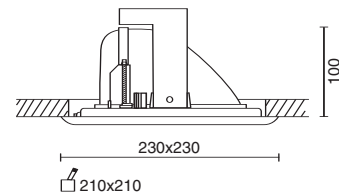


5714	AS		CDM-TD	70W	230V	RX7s		136
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Vetro trasparente.  
Transparent glass.

Alimentazione elettromeccanica inclusa.  
Magnetic ballast included.

Con accenditore temporizzato.  
With timer ignitor.



01 Bianco  
White

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White ivory like RAL 9010

22 Grigio goffrato RAL 9006  
Embossed grey RAL 9006

25 Cromo opaco  
Chrome matt





L'alluminio superpuro al 99.9% nella serie MISTRAL e l'alta qualità dei tecnopolimeri quali policarbonato, nella serie MARINA per il riflettore e per la struttura portante l'alluminio pressofuso, unito ad un semplice ma attuale design, fanno di questa serie un punto di riferimento per le vostre scelte. Il vetro è temperato e serigrafato. Sono disponibili con alimentazione tradizionale, elettronica o di emergenza e le sorgenti luminose di cui è dotata sono fluorescenti luminose 18W e 26W. Il grado di protezione contro liquidi e solidi è IP44 per la serie MISTRAL IP43 per la serie MARINA.

The reflector is made in 99.9% pure aluminium for MISTRAL set in high quality technopolymers as polycarbonate for MARINA and die-cast aluminium for the supporting structure. They are both characterised by a simple but modern design: that's why this line is the reference point for your choices. The glass is tempered and silk-printed. These models are available with traditional, electronic or emergency supply and with bright 18W and 26W fluorescent lamps. Protection against liquid and solid substances: IP44 for MISTRAL set IP23 for MARINA set.

MISTRAL - MARINA

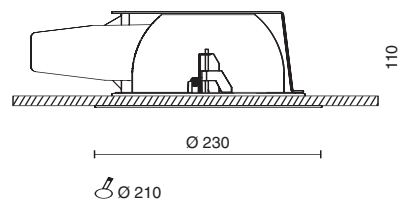


Alimentazione inclusa.  
Ballast included.

EM = Emergenza autonomia 1h  
Emergency autonomy 1h

EL = Elettronico  
Electronic

5484		TC-D	2X18W	G24d-2		137
5484/EM		TC-DE	2X18W	G24q-2		137
5484/EL		TC-DE	2X18W	G24q-2		137
5485		TC-D	2X26W	G24d-3		138
5485/EM		TC-DE	2X26W	G24q-3		138
5485/EL		TC-DE	2X26W	G24q-3		138



01 Bianco  
White

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White ivory like RAL 9010

22 Grigio goffrato RAL 9006  
Embossed grey RAL 9006

25 Cromo opaco  
Chrome matt



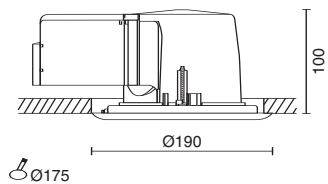
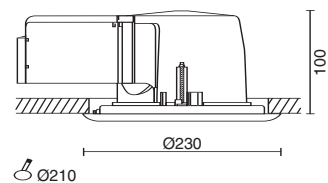
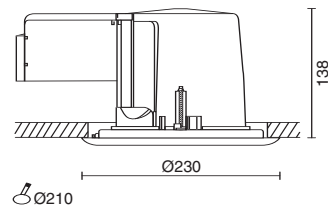




5401/..			TC-D	2X18W	G24d-2			139
5402/..	EL		TC-DE	2X18W	G24q-2			139
5403/..			TC-D	2X26W	G24d-3			140
5404/..	EL		TC-DE	2X26W	G24q-3			140
5408/..	EM		TC-DE	2X18W	G24q-3			139
5409/..	EM		TC-DE	2X26W	G24q-3			140

5410/..			TC-D	2X18W	G24d-2			141
5411/..	EL		TC-DE	2X18W	G24q-2			141
5412/..			TC-D	2X26W	G24d-3			142
5413/..	EL		TC-DE	2X26W	G24q-3			142
5417/..	EM		TC-DE	2X18W	G24q-2			141
5418/..	EM		TC-DE	2X26W	G24q-3			142

5419/..			TC-D	2X13W	G24d-1			143
5420/..			TC-T	2X18W	GX24d-2			144
5421/..	EL		TC-TE	2X18W	GX24q-2			144
5422/..			TC-T	2X26W	GX24d-3			145
5423/..	EL		TC-TE	2X26W	GX24q-3			145
5424/..			TC-T	1X18W	GX24d-2			245
5425/..			TC-T	1X26W	GX24d-3			246
5426/..	EM		TC-TE	2X18W	GX24q-2			144
5427/..	EM		TC-TE	2X26W	GX24q-3			145



CE IP23

Alimentazione inclusa.  
Ballast included.

EM = Emergenza autonomia 1h  
Emergency autonomy 1h

EL = Elettronico  
Electronic



Cod. /VS  
Con vetro.  
With glass.



Cod. /AN  
Senza vetro.  
Without glass.



Cod. /FL  
Con frangiluce.  
With anti-glare louvre.

01 Bianco  
White

08 Bianco avorio RAL 9010  
White ivory like RAL 9010

22 Grigio gofrato RAL 9006  
Embossed grey RAL 9006

25 Cromo opaco  
Chrome matt



**BIFFI** | Luce  
illumina le tue emozioni

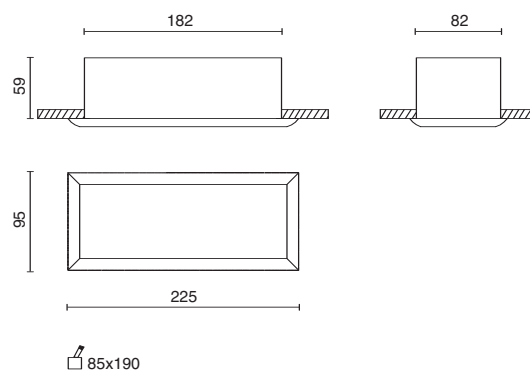




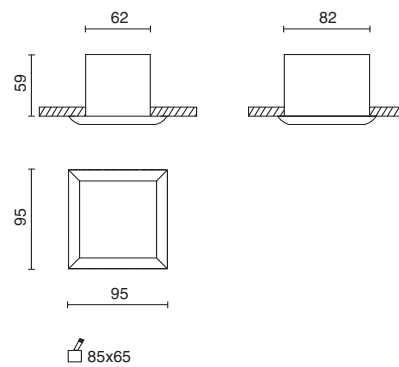
\* Alimentazione esclusa:  
vedi pag. 565

\* Ballast not included:  
see pag. 565

5440		TC-S	1X7W	230V	G23
5021		Incandescenza 1X15W	230V	E14	



5203*		QT	20W	12V	G4	
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01 Bianco  
White

08 Bianco avorio RAL 9010  
White ivory like RAL 9010

25 Cromo opaco  
Chrome matt









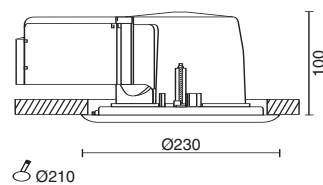


Alimentazione inclusa.  
Ballast included.

**EM** = Emergenza autonomia 1h  
Emergency autonomy 1h

**EL** = Elettronico  
Electronic

5431			TC-D	2X18W	G24d-2
5432			TC-D	2X26W	G24d-3
5434	EL		TC-DE	2X18W	G24q-2
5435	EL		TC-DE	2X26W	G24q-3
5437	EM		TC-DE	2X18W	G24q-3
5438	EM		TC-DE	2X26W	G24q-3

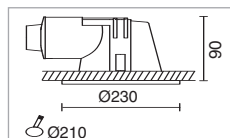












08 Bianco avorio RAL 9010  
White ivory like RAL 9010

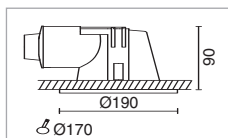


Alimentazione elettromeccanica inclusa.  
Magnetic ballast included.

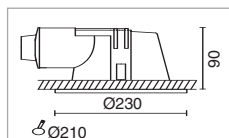
5072		TC-D	2X18W	G24d-2	IP44
5073		TC-D	2X26W	G24d-3	IP44



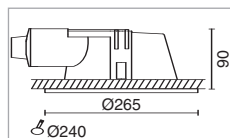
5067		TC-D	2X13W	G24d-1	Kg. 1,40	IP23		146	
5068		TC-D	2X18W	G24d-2	Kg. 1,58		IP23		147
5069		TC-D	2X26W	G24d-3	Kg. 2,35		IP23		148
5070		TC-D	2X26W	G24d-3	Kg. 1,58	IP23		149	



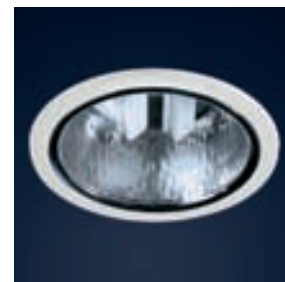
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




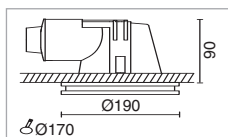
5068 - 5070



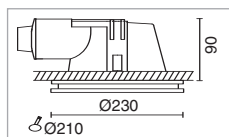
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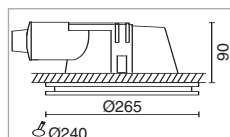
5067/VO		TC-D	2X13W	G24d-1	Kg. 1,72	IP23		150
5068/VO		TC-D	2X18W	G24d-2	Kg. 2,00	IP23		151
5069/VO		TC-D	2X26W	G24d-3	Kg. 2,95	IP23		152
5070/VO		TC-D	2X26W	G24d-3	Kg. 2,50	IP23		153



5067/VO



5068/VO - 5070/VO

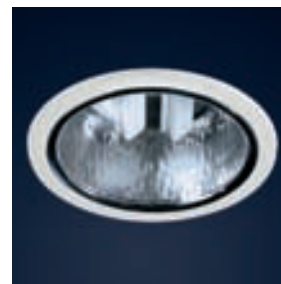


5069/VO



08 Bianco avorio RAL 9010  
White ivory like RAL 9010

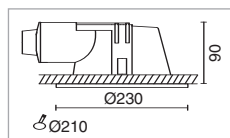
5068/EL		TC-DE	2X18W	G24q-2	Kg. 1,58		147
5069/EL		TC-DE	2X26W	G24q-3	Kg. 2,35		148
5070/EL		TC-DE	2X26W	G24d-3	Kg. 1,58		149
5071/EL		TC-TE	2X32/42W	GX24q-3/4	Kg. 1,58		154
5060/EL		TC-TE	1X57W	GX24q-5	Kg. 1,58		155
5062/EL		TC-TE	2X57W	GX24q-5	Kg. 1,58		156



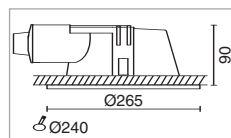
CE IP23

Alimentazione elettronica inclusa.  
Electronic ballast included.

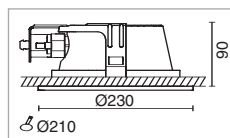
EL = Elettronico  
Electronic



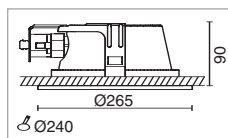
5068/EL - 5070/EL



5069/EL

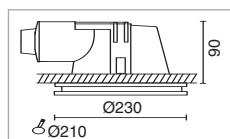


5071/EL

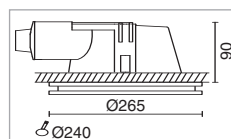


5060/EL - 5062/EL

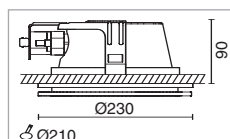
5068/VO/EL		TC-DE	2X18W	G24q-2	Kg. 1,58		151
5069/VO/EL		TC-DE	2X26W	G24q-3	Kg. 2,35		152
5070/VO/EL		TC-DE	2X26W	G24d-3	Kg. 1,58		153
5071/VO/EL		TC-TE	2X32/42W	GX24q-3/4	Kg. 1,58		157
5060/VO/EL		TC-TE	1X57W	GX24q-5	Kg. 1,58		158



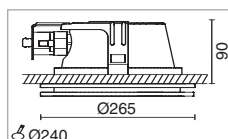
5068/VO/EL - 5070/VO/EL



5069/VO/EL



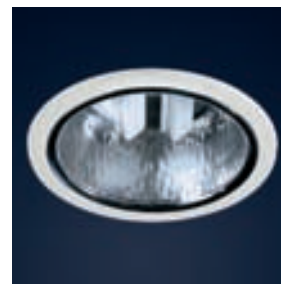
5071/VO/EL



5060/VO/EL

08 Bianco avorio RAL 9010  
White ivory like RAL 9010

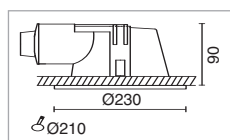
5068/EM		TC-DE	2X18W	G24q-2	Kg. 1,58		147
5069/EM		TC-DE	2X26W	G24q-3	Kg. 2,35		148
5070/EM		TC-DE	2X26W	G24q-3	Kg. 1,58		149
5071/EM		TC-TE	2X32/42W	GX24q-3/4	Kg. 1,58		154
5060/EM		TC-TE	1X57W	GX24q-5	Kg. 1,58		155



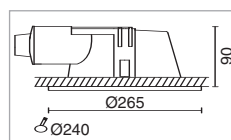
CE IP23

Alimentazione elettronica inclusa.  
Electronic ballast included.

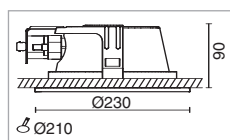
EM = Emergenza autonomia 1h  
Emergency autonomy 1h



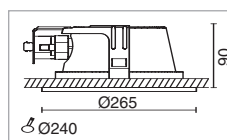
5068/EM - 5070/EM



5069/EM

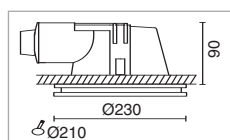


5071/EM

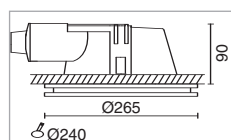


5060/EM

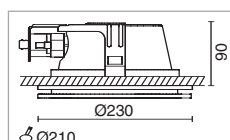
5068/VO/EM		TC-DE	2X18W	G24q-2	Kg. 1,58		151
5069/VO/EM		TC-DE	2X26W	G24q-3	Kg. 2,35		152
5070/VO/EM		TC-DE	2X26W	G24q-3	Kg. 1,58		153
5071/VO/EM		TC-TE	2X32/42W	GX24q-3/4	Kg. 1,58		157
5060/VO/EM		TC-TE	1X57W	GX24q-5	Kg. 1,58		158



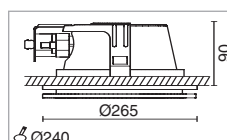
5068/VO/EM - 5070/VO/EM



5069/VO/EM



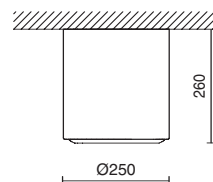
5071/VO/EM





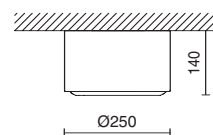
5060/VO/EM

08 Bianco avorio RAL 9010  
White ivory like RAL 9010

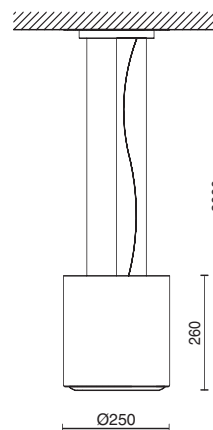
5760  CDM-TD 70W RX7s  162



5460  TC-D 2X26W G24d-3  142



8780  CDM-TD 70W RX7s  162



CE  IP23

Alimentazione inclusa.  
Magnetic ballast included.

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









**Bata**

**Bata**  
110th ANNIVERSARY

OFFER BATA  
**-10%**

**97%**

**44%**

**39%**

**39%**

**BIFFI** | Luce  
illumina le tue emozioni











Bata

s p o r t

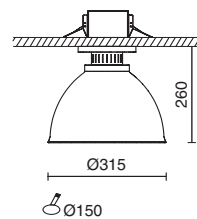
**DOPPIO VANTAGGIO!**  
**-10%**  
sul secondo acquisto  
**-10%**  
e in più ricevi la card!





5400	EL		TC-TE	32/42W	GX24q-3/4		96
5750*			CDM-T	1X70W	G12		67
5400.2	EL		TC-TE	2X32/42W	GX24q-3/4		65

\* Vetro di protezione obbligatorio.  
Cod. 4004



CE IP20

Alimentazione inclusa.  
Ballast included.







EL = Elettronico  
Electronic

Ottica in acrilico trasparente.  
Reflector in transparent acrylic.

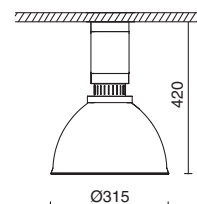


Cod. 4004  
Vetro: a richiesta.  
Glass: upon request.



5461	EL		TC-TE	32/42W	GX24q-3/4		96
5761*			CDM-T	1X70W	G12		67
5461.2	EL		TC-TE	2X32/42W	GX24q-3/4		65

\* Vetro di protezione obbligatorio.  
Cod. 4004



08 Bianco avorio RAL 9010  
White ivory like RAL 9010

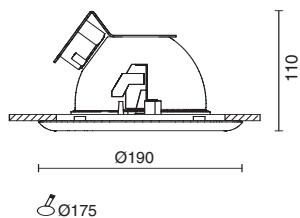
19 Nichel spazzolato  
Satin nickel

22 Grigio gofrato RAL 9006  
Embossed grey RAL 9006

5705		CDM-T	35W	G12			159
5706		CDM-T	70W	G12			160
5707		CDM-T	150W	G12			161

Alimentazione elettromeccanica inclusa.  
Magnetic ballast included.

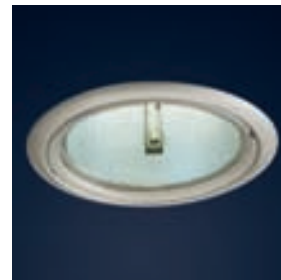
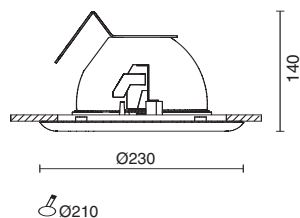
Con accenditore temporizzato.  
With timer ignitor



5708		CDM-TD	70W	RX7s				162
5709		CDM-TD	150W	RX7s			163	
5717		SDW-T	100W	PG12-1			164	

Alimentazione elettromeccanica inclusa.  
Magnetic ballast included.

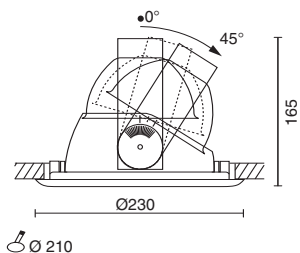
Con accenditore temporizzato.  
With timer ignitor



5721	AS		CDM-T	70W	G12			165
5722	AS		CDM-T	150W	G12			166

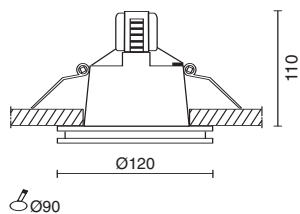
Alimentazione elettromeccanica inclusa.  
Magnetic ballast included.

Con accenditore temporizzato.  
With timer ignitor



5723	EL		CDM-TC	35W	G8.5			
------	----	--	--------	-----	------	--	--	--

Alimentazione elettronica inclusa.  
Electronic ballast included.



CE IP23

EL = Elettronico  
Electronic

AS = Asimmetrico  
Asymmetrical

01 Bianco  
White

08 Bianco avorio RAL 9010  
White ivory like RAL 9010

22 Grigio gofrato RAL 9006  
Embossed grey RAL 9006

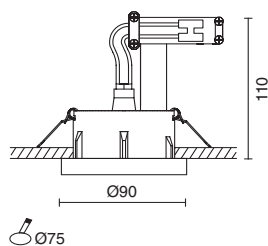
25 Cromo opaco  
Chrome matt



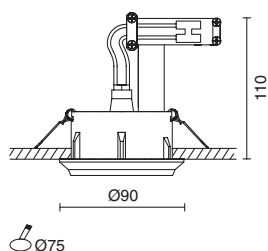
\* Alimentazione esclusa:  
vedi pag. 565

\* Supply not included:  
see pag. 565

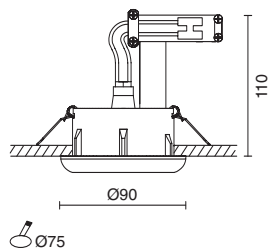
5104		HAL	50W	230V	GU10	
5204*		QR-CB	50W	12V	GU5.3	



5105		HAL	50W	230V	GU10	
5205*		QR-CB	50W	12V	GU5.3	



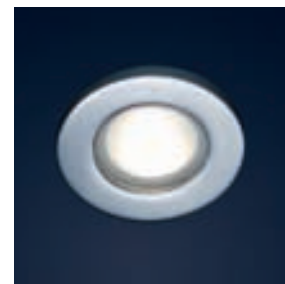
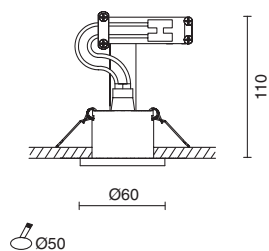
5106		HAL	50W	230V	GU10	
5206*		QR-CB	50W	12V	GU5.3	




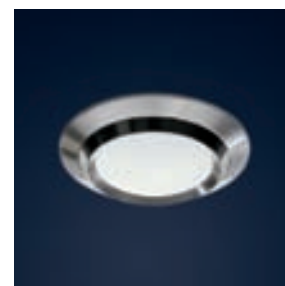
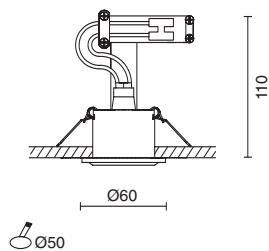
20 Anodizzato naturale  
Natural anodised

Alimentazione esclusa:  
vedi pag. 565  
Supply not included:  
see pag. 565

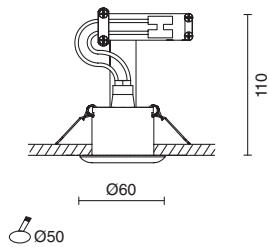
5220  QR-CB 20W 12V GU4



5221  QR-CB 20W 12V GU4



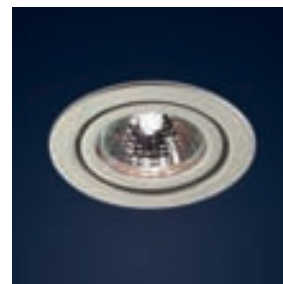
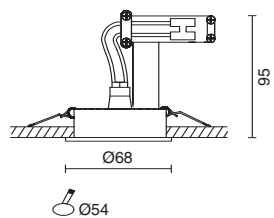
5222  QR-CB 20W 12V GU4



20 Anodizzato naturale  
Natural anodised



5209\*  QR-CB 35W 12V GU4   02



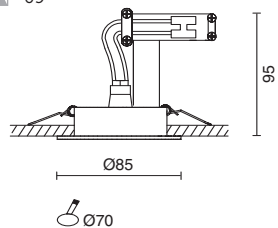
CE  IP23

\* Alimentazione esclusa:  
vedi pag. 565

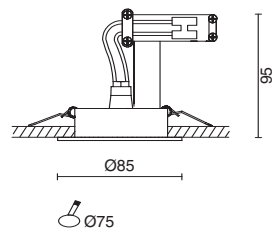
\* Supply not included:  
see pag. 565

5210\*  QR-CB 50W 12V GU5.3   05

5110  HAL 50W 230V GU10   09



5227\*  QR-CB 50W 12V GU5.3   05



01 Bianco  
White

08 Bianco avorio RAL 9010  
White ivory like RAL 9010

22 Grigio goffrato RAL 9006  
Embossed grey RAL 9006

25 Cromo opaco  
Chrome matt







**BIFFI** | Luce  
illumina le tue emozioni





5226



QT

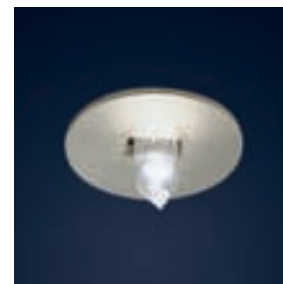
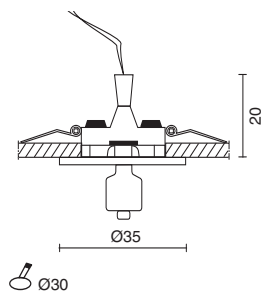
10W

12V

G4



Alimentazione esclusa: vedi pag. 565  
Supply not included: see pag. 565



5008

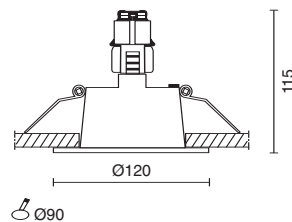


R80

60W

230V

E27



5240/..



QT

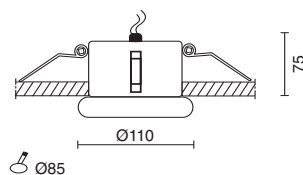
50W

12V

GY6.35



Alimentazione esclusa: vedi pag. 565  
Supply not included: see pag. 565



5140/..

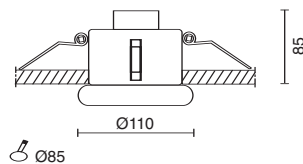


HALOPIN

60W

230V

G9



CE IP23

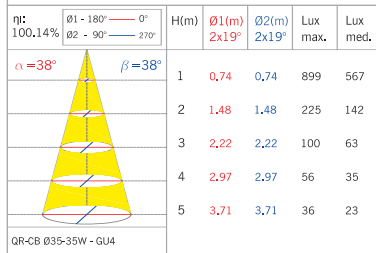
01 Bianco  
White08 Bianco avorio RAL 9010  
White ivory like RAL 901022 Grigio gofrato RAL 9006  
Embossed grey RAL 900625 Cromo opaco  
Chrome matt

Vetro/Glass:

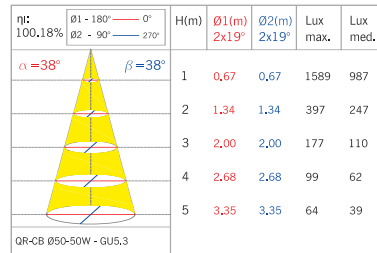
AZ Azzurro  
BlueAM Ambra  
AmberBI Bianco  
WhiteBL Blu cobalto  
Cobalt blueRO Rosa  
PinkVE Verde  
Green



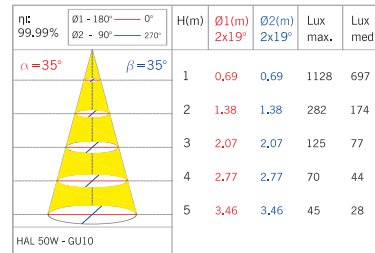
# CURVE FOTOMETRICHE



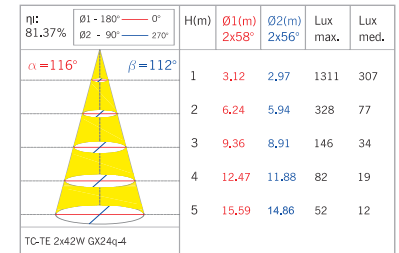
02



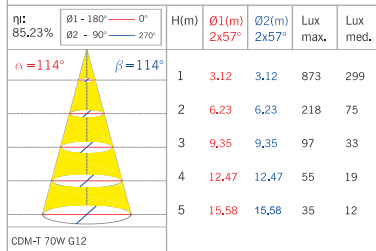
05



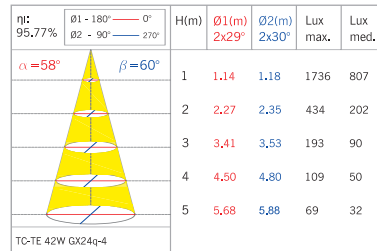
09



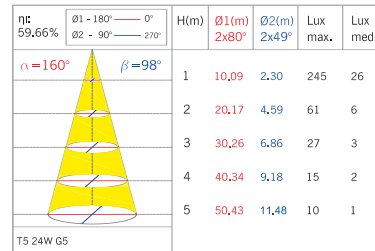
65



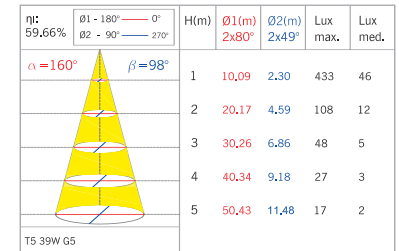
67



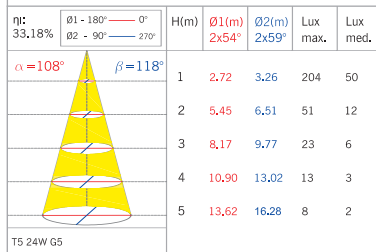
96



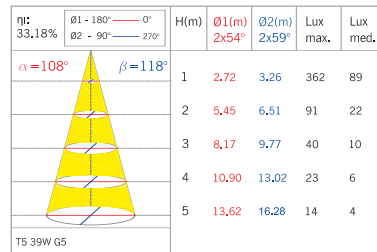
124



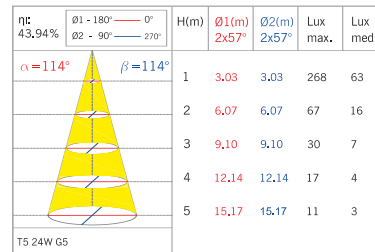
125



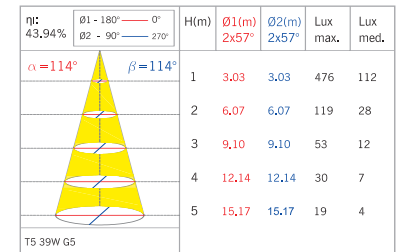
126



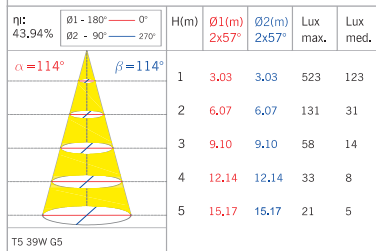
127



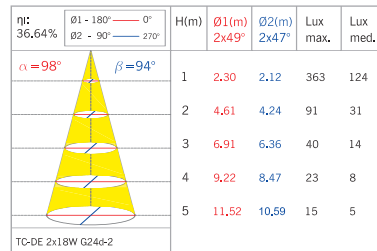
128



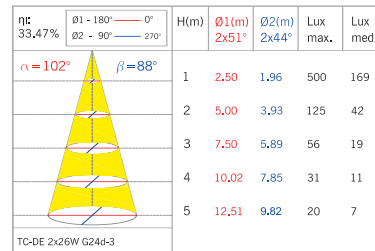
129



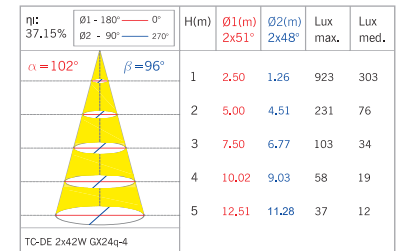
130



131

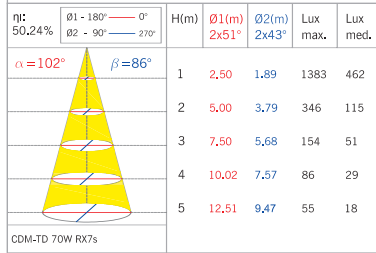


132

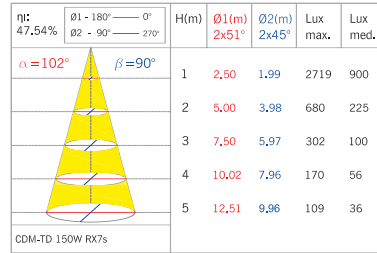


133

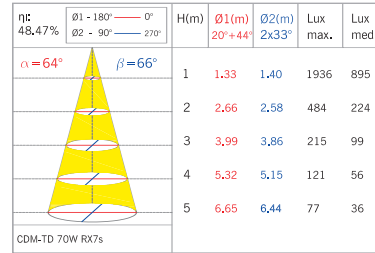
# CURVE FOTOMETRICHE



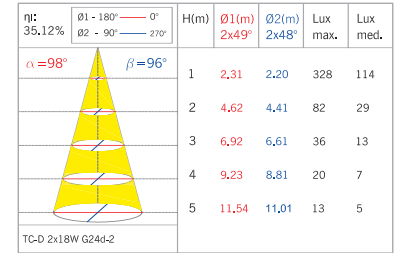
134



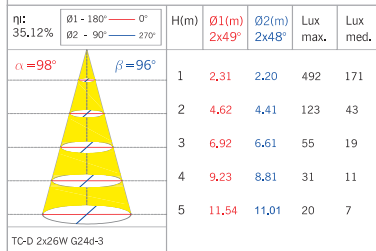
135



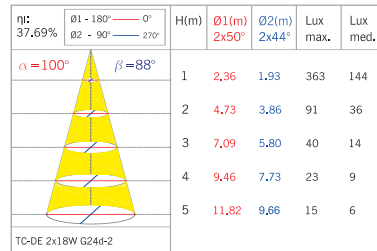
136



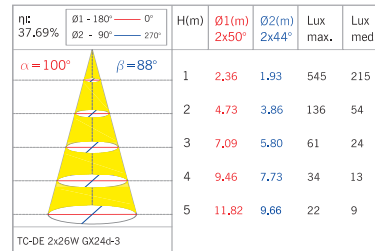
137



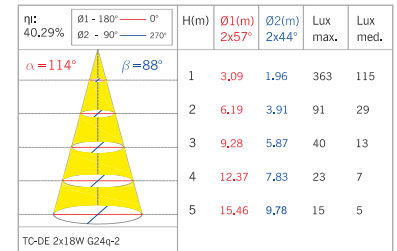
138



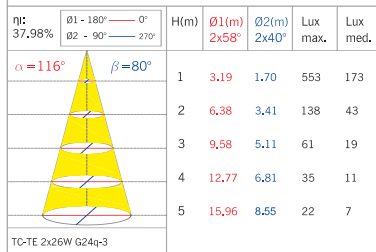
139



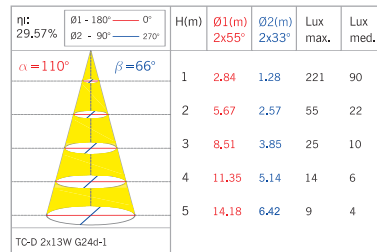
140



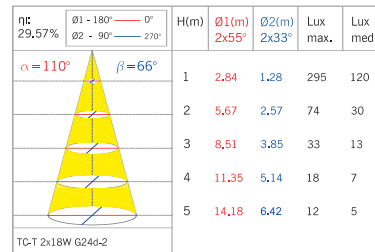
141



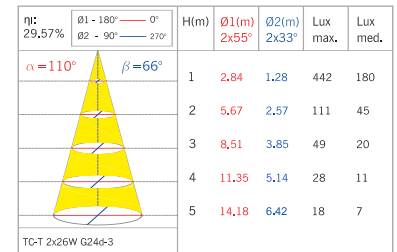
142



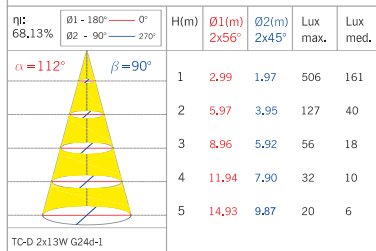
143



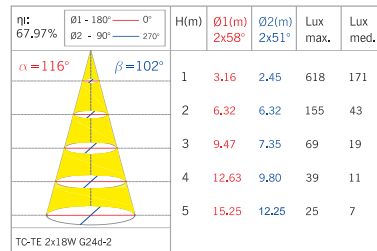
144



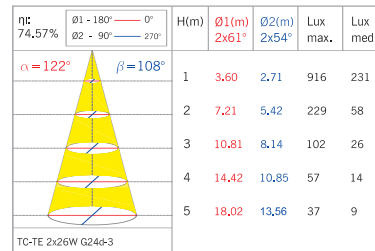
145



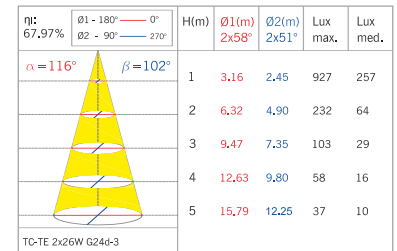
146



147



148



149



# CURVE FOTOMETRICHE

η: 51,24%	Ø1 - 180° - 0°		H(m)	Ø1(m)	Ø2(m)	Lux max.	Lux med.
	Ø2 - 90° - 270°	Ø2 - 90° - 270°					
α = 96°	β = 88°		1	2,20	1,96	377	148
			2	4,40	3,92	94	37
			3	6,59	5,87	42	16
			4	8,79	7,83	24	9
			5	10,99	9,79	15	6

150

η: 41,40%	Ø1 - 180° - 0°		H(m)	Ø1(m)	Ø2(m)	Lux max.	Lux med.
	Ø2 - 90° - 270°	Ø2 - 90° - 270°					
α = 96°	β = 88°		1	2,20	1,96	406	160
			2	4,40	3,92	102	40
			3	6,59	5,87	45	18
			4	8,79	7,83	25	10
			5	10,99	9,79	16	6

151

η: 58,20%	Ø1 - 180° - 0°		H(m)	Ø1(m)	Ø2(m)	Lux max.	Lux med.
	Ø2 - 90° - 270°	Ø2 - 90° - 270°					
α = 96°	β = 88°		1	2,20	1,96	857	337
			2	4,40	3,92	214	84
			3	6,59	5,87	95	37
			4	8,79	7,83	54	21
			5	10,99	9,79	34	13

152

η: 41,41%	Ø1 - 180° - 0°		H(m)	Ø1(m)	Ø2(m)	Lux max.	Lux med.
	Ø2 - 90° - 270°	Ø2 - 90° - 270°					
α = 96°	β = 88°		1	2,20	1,96	610	240
			2	4,40	3,92	152	60
			3	6,59	5,87	68	27
			4	8,79	7,83	38	15
			5	10,99	9,79	24	10

153

η: 57,43%	Ø1 - 180° - 0°		H(m)	Ø1(m)	Ø2(m)	Lux max.	Lux med.
	Ø2 - 90° - 270°	Ø2 - 90° - 270°					
α = 110°	β = 106°		1	2,88	2,62	1422	404
			2	5,76	5,25	356	101
			3	8,46	7,87	158	45
			4	11,52	10,50	89	25
			5	14,40	13,12	57	16

154

η: 78,20%	Ø1 - 180° - 0°		H(m)	Ø1(m)	Ø2(m)	Lux max.	Lux med.
	Ø2 - 90° - 270°	Ø2 - 90° - 270°					
α = 134°	β = 126°		1	4,69	4,01	960	158
			2	9,39	8,02	240	40
			3	14,08	12,05	107	18
			4	18,77	16,05	60	10
			5	23,46	20,06	38	6

155

η: 74,36%	Ø1 - 180° - 0°		H(m)	Ø1(m)	Ø2(m)	Lux max.	Lux med.
	Ø2 - 90° - 270°	Ø2 - 90° - 270°					
α = 134°	β = 126°		1	4,71	3,89	1823	308
			2	9,41	7,77	456	77
			3	14,12	11,66	203	34
			4	18,82	15,55	114	19
			5	23,53	19,54	73	12

156

η: 41,41%	Ø1 - 180° - 0°		H(m)	Ø1(m)	Ø2(m)	Lux max.	Lux med.
	Ø2 - 90° - 270°	Ø2 - 90° - 270°					
α = 96°	β = 88°		1	2,20	1,96	1084	426
			2	4,40	3,92	271	107
			3	6,59	5,87	120	47
			4	8,79	7,83	68	27
			5	10,99	9,79	43	17

157

η: 50,93%	Ø1 - 180° - 0°		H(m)	Ø1(m)	Ø2(m)	Lux max.	Lux med.
	Ø2 - 90° - 270°	Ø2 - 90° - 270°					
α = 110°	β = 108°		1	2,97	2,77	726	193
			2	5,93	5,53	181	48
			3	8,90	8,30	81	21
			4	11,86	11,06	45	12
			5	14,86	13,86	29	8

158

η: 49,04%	Ø1 - 180° - 0°		H(m)	Ø1(m)	Ø2(m)	Lux max.	Lux med.
	Ø2 - 90° - 270°	Ø2 - 90° - 270°					
α = 92°	β = 94°		1	2,12	2,18	1258	293
			2	4,24	4,35	314	73
			3	6,36	6,53	140	33
			4	8,48	8,70	79	18
			5	10,60	10,88	50	12

159

η: 56,48%	Ø1 - 180° - 0°		H(m)	Ø1(m)	Ø2(m)	Lux max.	Lux med.
	Ø2 - 90° - 270°	Ø2 - 90° - 270°					
α = 104°	β = 128°		1	2,79	4,12	1149	245
			2	5,59	8,24	287	61
			3	8,38	12,36	128	27
			4	11,18	16,36	72	15
			5	13,97	20,60	46	10

160

η: 56,48%	Ø1 - 180° - 0°		H(m)	Ø1(m)	Ø2(m)	Lux max.	Lux med.
	Ø2 - 90° - 270°	Ø2 - 90° - 270°					
α = 104°	β = 128°		1	2,79	4,12	2514	536
			2	5,59	8,24	629	134
			3	8,38	12,36	279	60
			4	11,18	16,36	157	33
			5	13,97	20,60	101	21

161

η: 71,49%	Ø1 - 180° - 0°		H(m)	Ø1(m)	Ø2(m)	Lux max.	Lux med.
	Ø2 - 90° - 270°	Ø2 - 90° - 270°					
α = 25°	β = 40°		1	0,92	0,71	4052	2096
			2	1,85	1,42	1013	524
			3	2,77	2,13	450	233
			4	3,70	2,84	253	131
			5	4,62	3,55	162	84

162

η: 71,49%	Ø1 - 180° - 0°		H(m)	Ø1(m)	Ø2(m)	Lux max.	Lux med.
	Ø2 - 90° - 270°	Ø2 - 90° - 270°					
α = 50°	β = 40°		1	0,92	0,71	8683	4492
			2	1,85	1,42	2171	1123
			3	2,77	2,13	965	499
			4	3,70	2,84	543	281
			5	4,62	3,55	347	180

163

η: 62,57%	Ø1 - 180° - 0°		H(m)	Ø1(m)	Ø2(m)	Lux max.	Lux med.
	Ø2 - 90° - 270°	Ø2 - 90° - 270°					
α = 110°	β = 82°		1	2,97	1,94	1377	373
			2	5,93	3,88	344	93
			3	8,90	5,82	153	41
			4	11,86	7,76	86	23
			5	14,86	9,70	55	15

164

η: 29,19%	Ø1 - 180° - 0°		H(m)	Ø1(m)	Ø2(m)	Lux max.	Lux med.
	Ø2 - 90° - 270°	Ø2 - 90° - 270°					
α = 66°	β = 94°		1	1,34	2,20	991	447
			2	2,68	4,39	248	112
			3	4,01	6,59	110	50
			4	5,35	8,79	62	28
			5	6,69	10,98	40	18

165

# CURVE FOTOMETRICHE

η: 25,93%	Ø1 - 180° - 0°		H(m)	Ø1(m)	Ø2(m)	Lux max.	Lux med.
	Ø2 - 90° - 270°			2x37°	2x47°		
$\alpha = 74^\circ$		$\beta = 94^\circ$					
CDM-T 150W G12							
1	1,65	2,20	1943	765			
2	3,27	4,39	486	191			
3	4,90	6,59	216	85			
4	6,54	8,79	121	48			
5	8,17	10,98	78	31			

166

η: 35,17%	Ø1 - 180° - 0°		H(m)	Ø1(m)	Ø2(m)	Lux max.	Lux med.
	Ø2 - 90° - 270°			2x41°	2x35°		
$\alpha = 82^\circ$		$\beta = 70^\circ$					
TC-T 18W GX24d-2							
1	1,78	1,41	193	88			
2	3,56	2,81	48	22			
3	5,34	4,22	21	10			
4	7,12	5,63	12	6			
5	8,90	7,03	8	4			

245

η: 35,17%	Ø1 - 180° - 0°		H(m)	Ø1(m)	Ø2(m)	Lux max.	Lux med.
	Ø2 - 90° - 270°			2x41°	2x35°		
$\alpha = 82^\circ$		$\beta = 70^\circ$					
TC-T 26W GX24d-3							
1	1,78	1,41	290	132			
2	3,56	2,81	73	33			
3	5,34	4,22	32	15			
4	7,12	5,63	18	8			
5	8,90	7,03	12	5			

246