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Produzione, commercio e ingresso
materiale elettrico ed elettronico

CATALOGO GENERALE 06 **2024**

LIGHTING SOLUTIONS

STEAB
COMPONENTS AND SMART SOLUTIONS

Newlab
Electronic Solutions

SALCAVI INDUSTRIE

SALCAVI TECHNIC
CAVI SPECIALI

ROPLAST
CAVI CON SPINA

Relco
Components & Lighting

ALVIT

BM GROUP

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CF e P.IVA 04439270481

PORTALAMPADA E14

Mantello liscio

Tipo: 81093
Cod. ord.: 103415 bianco
Cod. ord.: 103414 nero
Cod. ord.: 103416 color ottone



Mantello filettato 28x2 IEC 60399

Tipo: 81109
Cod. ord.: 103431 bianco
Cod. ord.: 103430 nero
Cod. ord.: 103432 color ottone



Mantello filettato 28x2 IEC 60399
Con flan giangia

Tipo: 81120
Cod. ord.: 103443 bianco
Cod. ord.: 103442 nero
Cod. ord.: 103444 color ottone



Cappucci
Nippel: M10x1
Altezza: 13,7 mm

Tipo: 81002
Cod. ord.: 109102 bianco
Cod. ord.: 109103 nero
Cod. ord.: 109104 color ottone



Cappucci
Nippel: M10x1
Altezza: 18,7 mm

Tipo: 81024
Cod. ord.: 109805 bianco



Cappucci
Nippel: M10x1
Con morsetto di terra
Altezza: 18,7 mm
Tipo: 81028
Cod. ord.: 109147 bianco
Cod. ord.: 109148 nero
Cod. ord.: 109528 color ottone



Cappucci

Filettatura su resina: M10x1
Tacca antitorsione: esterna
Altezza: 13,7 mm

Tipo: 96159
Cod. ord.: 109095 bianco
Cod. ord.: 109084 nero
Cod. ord.: 109096 color ottone



Cappucci

Filettatura su resina: M10x1
Tacca antitorsione: esterna
Altezza: 18,7 mm

Tipo: 96211
Cod. ord.: 109149 bianco
Cod. ord.: 109150 nero
Cod. ord.: 109151 color ottone
Cappucci



Filettatura su resina: M10x1
Taccaanti torsione: esterna
Con vite di fermo
Al tez za: 13,7 mm

Tipo: 81130
Cod. ord.: 109041 bianco
Cod. ord.: 109054 nero
Cod. ord.: 109804 color ottone
Cappucci



Filettatura su resina: M10x1
Tacca antitorsione: esterna
Con vite di fermo
Al tez za: 18,7 mm

Tipo: 81132
Cod. ord.: 109152 bianco
Cod. ord.: 109153 nero



PORTALAMPADA E27

Mantello liscio

Tipo: 83000
Cod. ord.: 103468 bianco
Cod. ord.: 103467 nero
Cod. ord.: 103469 color ottone



Mantello filettato 40x2,5 IEC 60399

Tipo: 83002
Cod. ord.: 103484 bianco
Cod. ord.: 103483 nero
Cod. ord.: 103485 color ottone



Mantello filettato 40x2,5 IEC 60399
Con flangia

Tipo: 83173
Cod. ord.: 103570 bianco
Cod. ord.: 103569 nero
Cod. ord.: 103571 color ottone



Cappucci
Nippel: M10x1
Altezza: 17 mm

Tipo: 83007
Cod. ord.: 109052 bianco
Cod. ord.: 109039 nero
Cod. ord.: 109053 color ottone



Cappucci con morsetto di terra
Nippel: M10x1
Al tezza: 17 mm

Tipo: 83035
Cod. ord.: 109098 bianco
Cod. ord.: 109099 nero
Cod. ord.: 109101 color ottone



Cappucci
Filettatura suresina: M10x1
Taccaantitorsione: esterna
Al tezza: 17 mm

Tipo: 96147
Cod. ord.: 109195 bianco
Cod. ord.: 109196 nero



Cappucci
filettatura suresina: M10x1
Tacca antitorsione: esterna
Con vite di fermo
Al tez za: 17 mm

Tipo: 83293
Cod. ord.: 109087 bianco
Cod. ord.: 109074 nero



Ghiera in materiale plastico per por talampada E14
con filettatura esterna 28x2 IEC 60399

Tipo: 03210 O 43 mm, Altezza: 15 mm
Cod. ord.: 100125 PET GF, bianco
Cod. ord.: 109162 PA GF, nero
Cod. ord.: 109164 PA GF, color ottone
Tipo: 05202 O 34 mm, Altezza: 7,5 mm
Cod. ord.: 107154 PET GF, bianco
Cod. ord.: 109166 PA GF, nero



GHIERAE27

Ghiera in materiale plastico
Per portalampada E27 e B22d

Tipo: 08610 O 55 mm, Altezza: 15 mm
Cod. ord.: 100270 PET GF, bianco
Cod. ord.: 109285 PA GF, nero
Cod. ord.: 109289 PA GF, color ottone
Tipo: 08701 O 47,8 mm, Altezza: 9 mm
Cod. ord.: 100273 PET GF, bianco
Cod. ord.: 109291 PA GF, nero



GHIERA E14

Ghiera in materiale plastico per portalampada E14
con filettatura esterna 28x2 IEC 60399

Tipo: 03210 O 43 mm, Altezza: 15 mm
Cod. ord.: 100125 PET GF, bianco
Cod. ord.: 109162 PA GF, nero
Cod. ord.: 109164 PA GF, color ottone
Tipo: 05202 O 34 mm, Altezza: 7,5 mm
Cod. ord.: 107154 PET GF, bianco
Cod. ord.: 109166 PA GF, nero
Cod. ord.: 109167 PA GF, color ottone



Portalampada E27
in termoplastico doppi

Per lampade ad incandescenza con attacco E27
Valore nominale: 4/250

Tipo: 650

NERO
BIANCO
ORO



LIGHTING SOLUTIONS

Portalampada E14 in metallo, in tre pezzi



Per lampade ad incandescenza con attacco E14
Valore nominale: 2/250
Marchio di temperatura: T190/T240
Tipo: 513 mantello liscio
Tipo: 514 mantello filettato 28x2
Frutto
Materiale: porcellana, bianco
Blocco del mantello
Morsetti a vite: 0,5–2,5 mm2
Tipo: 81020
Cod. ord.: 107944



Mantello liscio
Materiale: acciaio zincato lucido
Peso: 14,3/14,2/18,3/18,2 g
Tipo: 81019 anello isolante: termoindurente, T190
Cod. ord.: 103359 color cromo
Cod. ord.: 103360 color ottone
Tipo: 81018 anello isolante: steatite, T240
Cod. ord.: 507049 color cromo
Cod. ord.: 507050 color ottone



Mantello filettato 28x2 IEC 60399
Materiale: acciaio zincato lucido
Tipo:81022 anello isolante: termoindurente, T190
Cod. ord.: 103365 color cromo
Cod. ord.: 103366 color ottone
Tipo: 81017 anello isolante: steatite, T240
Cod. ord.: 507052 color cromo
Cod. ord.: 507053 color ottone



Cappucci
Materiale: acciaio zincato lucido
Nippel: M10x1
Tipo: 80006
Cod. ord.: 102946 color cromo
Cod. ord.: 102947 color ottone
Tipo: 80003 con morsetto di terra
Cod. ord.: 102938 color cromo
Cod. ord.: 102939 color ottone



Cappucci
Materiale: acciaio zincato lucido
Nippel: M10x1
Foro laterale: O 6 mm
Tipo: 80013
Cod. ord.: 507045 color cromo
Cod. ord.: 507046 color ottone
Tipo: 80009 con morsetto di terra



Ghiera in metallo per portalampada E14
Con filettatura esterna 28x2 IEC 60399
Materiale: acciaio zincato lucido
O 40 mm, Altezza: 12 mm
Tipo: 06700
Cod. ord.: 100194 color cromo
Cod. ord.: 100196 color ottone

Portalampada E27 in metallo,
in tre pezzi
Per lampade ad incandescenza con attacco E27
Valore nominale: 4/250
Tipo: 670 mantello liscio
Tipo: 671 mantello filettato 40x2,5
Marchio di temperatura: T240



Frutto
Materiale: porcellana, bianco
Morsetti a vite: 0,5–2,5 mm²
Molla sotto il contatto centrale
Blocco del mantello
Tipo: 83221
Cod. ord.: 103595
Tipo: 83223 con morsetto di terra
Cod. ord.: 103597



Mantello liscio
Materiale: acciaio zincato lucido
Tipo: 83218 anello isolante: PPS
Cod. ord.: 103582 color cromo
Cod. ord.: 103583 color ottone
Tipo: 83226 anello isolante: steatite
Cod. ord.: 504640 color cromo
Cod. ord.: 504641 color ottone



Mantello filettato 40x2,5 IEC 60399
Materia le: acciaio zincato lucido
Peso: 24/23,1/27,3/27,6 g
Tipo: 83219 anello isolante: PPS
Cod. ord.: 103590 color cromo
Cod. ord.: 103591 color ottone
Tipo: 83227 anello isolane: steatite
Cod. ord.: 504643 color cromo
Cod. ord.: 504644 color ottone



Cappucci
Materiale: acciaio zincato lucido
Nippel: M10x1
Tipo: 80342
Cod. ord.: 103020 color cromo
Cod. ord.: 103021 color ottone
Tipo: 80343 con morsetto di terra
Cod. ord.: 103026 color cromo
Cod. ord.: 103027 color ottone



Cappucci
Materiale: acciaio zincato lucido
Nippel: M10x1
Con foro laterale: O 7 mm
Tipo: 80345
Cod. ord.: 103031 color cromo
Cod. ord.: 103032 color ottone
Tipo: 80353 con morsetto di terra



Ghiera in metallo
Per portalampada E27 e B22d
Materiale: acciaio zincato lucido
O 56,5 mm, Altezza: 13 mm
Tipo: 07400



PORTALAMPADA E14 MONOCORPO

Portalampada E14, per cappucci a scatto
Man tello liscio
Involucro: PET GF, T210, Valore nominale: 2/250
Molle fermafilo doppie: 0,5–1,5 mm2
Fori posteriori per viti autofilettanti
secondo ISO 1481/7049-ST2,9-C/F
Tipo: 64001
Cod. ord.: 109384 bianco
Cod. ord.: 109383 nero
Cod. ord.: 109385 color ottone



Portalampada E14, per cappucci a scatto
Filettatura esterna 28x2 IEC 60399
Involucro: PET GF, T210, Valore nominale: 2/250
Molle fermafilo doppie: 0,5–1,5 mm2
Fori posteriori per viti autofilettanti
se con do ISO 1481/7049-ST2,9-C/F
Tipo: 64101
Cod. ord.: 109387 bianco
Cod. ord.: 109386 nero
Cod. ord.: 109388 color ottone



Portalampada E14, per cappucci a scatto
Filettatura esterna 28x2 IEC 60399, con flangia
Involucro: PET GF, T210, Valore nominale: 2/250
Molle fermafilo doppie: 0,5–1,5 mm2
Fori posteriori per viti autofilettanti
se con do ISO 1481/7049-ST2,9-C/F
Tipo: 64201
Cod. ord.: 503924 bianco
Cod. ord.: 503923 nero



Cappucci a scatto
Materiale: PAGF
Nippel: M10x1
Tipo: 85075
Cod. ord.: 109110 bianco
Cod. ord.: 109112 neroPor ta lam pa da E14, per cap pucci a scatto
Man tel lo lis cio
In vo lu cro: PET GF, T210, Va lo re no mi na le: 2/250
Mol le fer ma fi lo dop pie: 0,5–1,5 mm2
Fori posteriori per viti autofilettanti
secondo ISO 1481/7049-ST2,9-C/F
Peso: 11,2 g, Unita d'im ballo: 1000 pez zi
Tipo: 64001
Cod. ord.: 109384 bi an co
Cod. ord.: 109383 nero
Cod. ord.: 109385 co lor ot to ne
Por ta lam pa da E14, per cap pucci a scatto
Fi let ta tu ra es ter na 28x2 IEC 60399
In vo lu cro: PET GF, T210, Va lo re no mi na le: 2/250
Mol le fer ma fi lo dop pie: 0,5–1,5 mm2
Fori pos te rio ri per viti au to fi let tan ti
se con do ISO 1481/7049-ST2,9-C/F
Peso: 11,8 g, Unita d'im ballo: 1000 pez zi
Tipo: 64101
Cod. ord.: 109387 bi an co
Cod. ord.: 109386 nero
Cod. ord.: 109388 co lor ot to ne







PORTALAMPADE E27 MONOCORPO

Portalampada E27, per cappucci a scatto
Mantello liscio
Involucro: PET GF, T210
Va lore nominale: 4/250
Molle fermafilo doppie: 0,5–2,5 mm2
Fori passanti per viti M4
Tipo: 64401
Cod. ord.: 108936 bianco
Cod. ord.: 500810 nero
Cod. ord.: 506285 color ottone



Portalampada E27, per cappucci a scatto
Filettatura esterna 40x2,5 IEC 60399
Involucro: PET GF, T210
Valore nominale: 4/250
Molle fermafilo doppie: 0,5–2,5 mm2
Fori passanti per viti M4
Tipo: 64501
Cod. ord.: 108965 bianco
Cod. ord.: 109429 nero
Cod. ord.: 109430 color ottone



Portalampada E27, per cappucci a scatto
Filettatura esterna 40x2,5 IEC 60399, con flangia
Involucro: PET GF, T210
Valore nominale: 4/250
Molle fermafilo doppie: 0,5–2,5 mm2
Fori passanti per viti M4
Tipo:64601
Cod. ord.: 501358 bianco
Cod. ord.: 501356 nero



Cappucci a scatto
Materiale: PA GF
Nippel: M10x1
Tipo: 85070
Cod. ord.: 109077 bianco
Cod. ord.: 109092 nero
Cod. ord.: 109082 color ottone



Cappucci a scatto
Materiale: PA GF
Filettatura su resina: M10x1
Tacca a croce: esterna
Tipo: 97665
Cod. ord.: 109679 bianco
Cod. ord.: 109680 nero



Cappucci a scatto
Materiale: PA GF
Filettatura su resina: M10x1
Tacca a croce: esterna
Con vite di fermo
Tipo: 85077
Cod. ord.: 400819 bianco
Cod. ord.: 400820 nero



Cappucci a scatto
Foro circolare: O 10,5 mm
Taccaantitorsione: esterna
Fori passanti per viti M4
tipo: 97511
Cod. ord.: 109045 bi anco



LIGHTING SOLUTIONS

PORTALAMPADA DA FORNI





PORTALAMPADA
E14
TERMOPLASTICO
FISSAGGIO A STAFFA

PORTALAMPADA
E27
TERMOPLASTICO
FISSAGGIO A STAFFA





ANELLO SILICONE PER PORTA-LAMPADA E14/E27UMINOSE PER PROTEZIONE UMIDITA’

PORTALAMPADA E27
CON INTERRUTTORE
A CATENELLA O
CORDICELLA
METALLO OTTONATO
O CROMATO



PORTALAMPADA E27
INTERRUTTORE
BASCULANTE





GHIERE METALLO E14/E27
ORDINABILI IN TUTTE LE
ALTEZZE

PORTALAMPADA E27
CON INTERRUTTORE
A CORDICELLA O
CATENA





PORTALAMPADA LINESTRA
S14S





GHIERE E14 A MOLLA
PER BLOCCAGGIO VETRI

LIGHTING SOLUTIONS

PORTALAMPADA A NORME UL USA E CSA CANADA





LIGHTING SOLUTIONS

Portalampa E14 a candela

Perlampade ad incandescenza con attacco E14
Portalampada E14 a candela
Involucro: PBT GF, nero, T160
Valore nominale: 2/250
Morsetti a vite: 0,5–1 mm2
Nippel: M10x1
Tipo: 50603/50604/50605
Cod. ord.: 109813 altezza: 65 mm
Cod. ord.: 109814 altezza: 85 mm
Cod. ord.: 109815 altezza: 100 mm



Portalampa da E14 a candela
Involucro: PBT GF, nero, T160
Valore nominale: 2/250
Morsetti a vite: 0,5–1 mm2
Supporto in materiale plastico con foro: O 10 mm
Con vite di fermo
Tipo: 50600/50601/50602
Cod. ord.: 109810 al tezza: 65 mm
Cod. ord.: 109811 al tezza: 85 mm
Cod. ord.: 109812 al tezza: 100 mm



Copricandela per portalampa da E14 a candela
Materiale: plastico, bianco

Tipo: 05310/05311/05312 con gocce
Cod. ord.: 100161 al tezza: 65 mm
Cod. ord.: 100162 al tezza: 85 mm
Cod. ord.: 100164 al tezza: 100 mm
Tipo: 05313/05314/05315 senza goc ce
Cod. ord.: 106799 al tezza: 65 mm
Cod. ord.: 100166 al tezza: 85 mm
Cod. ord.: 100168 al tezza: 100 mm
Portalampada



SOKET UL / CSA E12



PORTALAMPADA PORCELLANA E27-E26

Portalampada E27, monocorpo
Materiale: porcellana, bianco, T270
Valore nominale: 4/250/5 kV
Morsetti a vite: 0,5–2,5 mm2
Molla sotto il contatto centrale
Fori passanti ovali per viti M4
Tipo: 62050
Cod. ord.: 102599
Tipo: 62010 con freno lampada
Cod. ord.: 102577
Portalampada E27, monocorpo
Materiale: porcellana, bianco, T270



Portalampada E27, monocorpo, per cappucci a scatto
Materiale: porcellana, bianco, T270
Valore nominale: 4/250/5 kV
Morsetti a vite: 0,5–2,5 mm2
Molla sotto il contatto centrale
Fori passanti ovali per viti M4
Per cappucci a scatto tipo 85070, 85077,
96206, 97511, 97650, 97664, 97665,
97698 (pa gi na 70–73)
Tipo: 62310
Cod. ord.: 102624



Portalampada E27, in tre pezzi
Ma teriale: porcellana, bianco, T240, Valore
nominale: 4/250, morsetti a vite: 0,5–2,5 mm2
Tipo: 62061 nippel: M10x1
Cod. ord.: 535684
Cod. ord.: 535685 con vite di terra
Tipo: 62062 nippel: M13x1
Cod. ord.: 536451
Cod. ord.: 536452 con vite di terra
Tipo: 62063 nippel: G3/8A
Cod. ord.: 534832
Cod. ord.: 534833 con vite di terra



LIGHTING SOLUTIONS

PORTALAMPADE E40

Portalampa da E40
In volucro: PPS, nero, T240
Fori ovali per viti M5
Tipo: 12600/12601
Cod. ord.: 400913
Cod. ord.: 400914 con freno lampada
Con anello filettato in acciaio
Cod. ord.: 533428
Cod. ord.: 533429 con freno lampada



Portalampa da E40
Involucro: PPS, nero, T240
Staffa di fissaggio piana con asole per viti M5
Tipo: 12610/12611
Cod. ord.: 400915
Cod. ord.: 400916 con freno lampada
Con anello filettato in acciaio
Cod. ord.: 533430
Cod. ord.: 533431 con freno lampada



Portalampada E40
Involucro: porcellana, bianca, T270
Fori ovali per viti M5
Tipo: 12800/12801
Cod. ord.: 108208
Cod. ord.: 107780 con freno lampada
Con anello filettato in acciaio
Cod. ord.: 532602
Cod. ord.: 532603 con freno lampada



Portalampa da E40
In volucro: porcellana, bianca, T270
Staffa di fissaggio piana con asole per viti M5
Tipo: 12810/12811
Cod. ord.: 108374
Cod. ord.: 108375 con freno lampada
Con anello filettato in acciaio
Cod. ord.: 532604
Cod. ord.: 532605 con freno lampada



2G11



COD.101485



COD.101489



COD.101491



COD.101493

2G10



COD.101521



COD.109235

2G7



COD.500574



COD.109238





COD.109240



PORTALAMPADA **GX53**



COD.504942

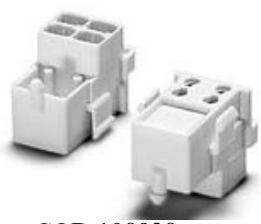
PORTALAMPADA **GR8, GR10Q , GRY10Q3, GRZ10D, GRZ10T**



COD.101358



COD.108927



COD.108928



COD.108929

LIGHTING SOLUTIONS

PORTALAMPADA G13/G5 GRADO PROTEZIONE IP67







PORTASTARTER



COD.101627



COD.109792



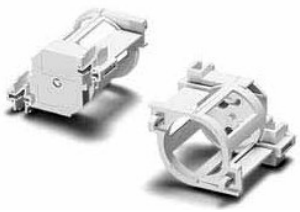
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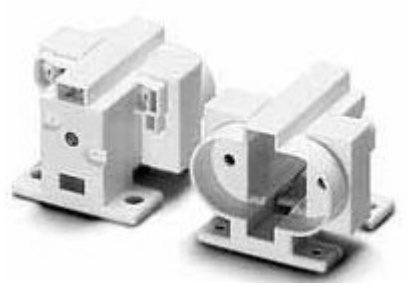


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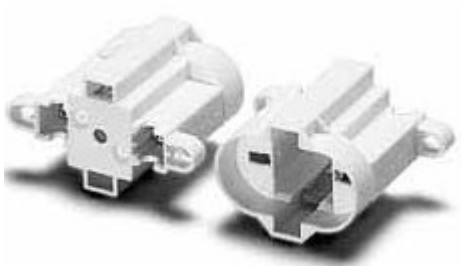


COD.101631

LIGHTING SOLUTIONS



COD.101286



COD.101314



COD.101320

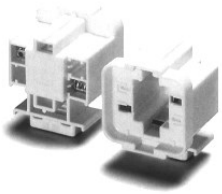
G24Q, GX24Q



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COD.101466 Q2
COD.101471 Q3
COD.108542 Q4
COD.508159 Q5

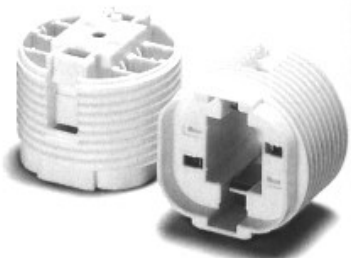


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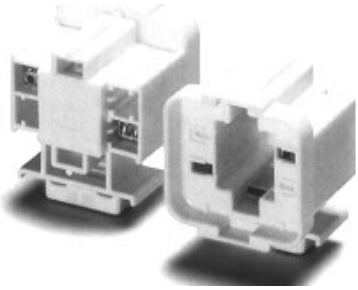


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COD.108710 Q3
COD.108711 Q4

G24D, GX24D



COD.101402 D1
COD.101432 D2
COD.101444 D3



COD.108705 D1
COD.108706 D2
COD.108707 D3



2G8

COD.101528



G10Q

COD.107536



T2

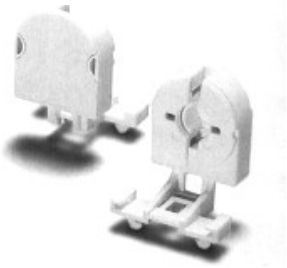


2GX13

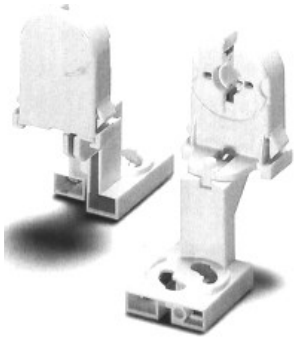
Portalampada G13



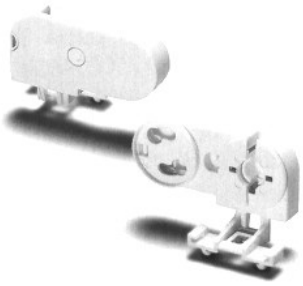
COD.100562



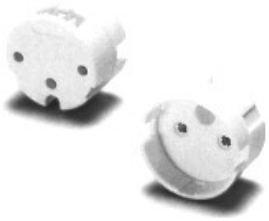
COD.100548



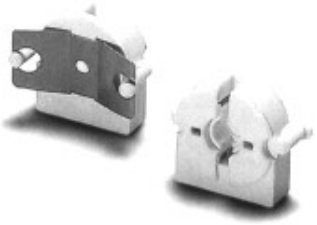
COD.100575



COD.100557



COD.101784

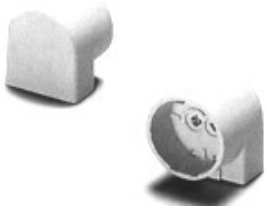


COD.101749

Portalampada G5



COD.100305



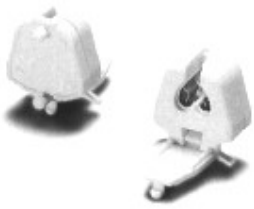
COD.109686



COD.100310



COD.507459



COD.106455



COD.505750

LIGHTING SOLUTIONS

G4, G5,3, G6,35

COD.501847





COD.109547

COD.101274





COD.101275





COD.507105



COD.503311



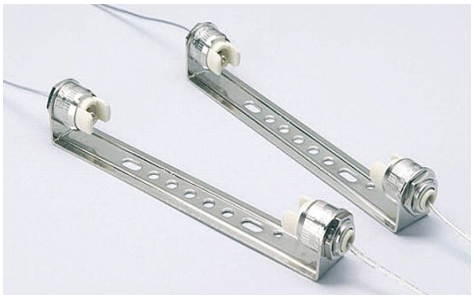
COD.100662

PORTALAMPADA R7S

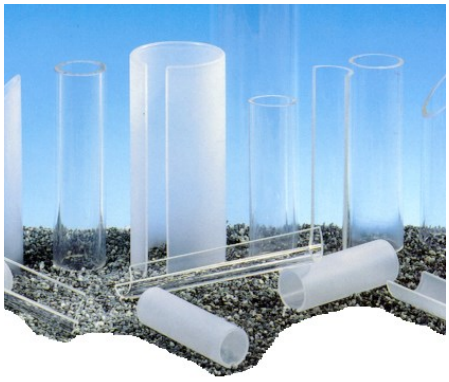
COD.107195



H2



VETRO PROTEZIONE R7S





PORTALAMPADA **G53**



PORTALAMPADA **GU10, GZ10**

COD.108979



COD.502111



COD.109411



COD.502064



PORTALAMPADA G9





COD.509357









PORTALAMPA-
DA
G9 FILETTATO
DIAMETRO
ESTERNO 22MM
E





PORTALAMPADA G9 CON
TUBO BOROSILICATO
FORO PASSANTE



PORTALAMPADA G9 CON
SUPPORTO OTTONE E GUARNIZIONE
+TUBO BOROSILICATO TESTA
CHIUSA PER MONTAGGIO IP 55

LIGHTING SOLUTIONS

PORTALAMPADA A SCARICA

G12



COD.107060

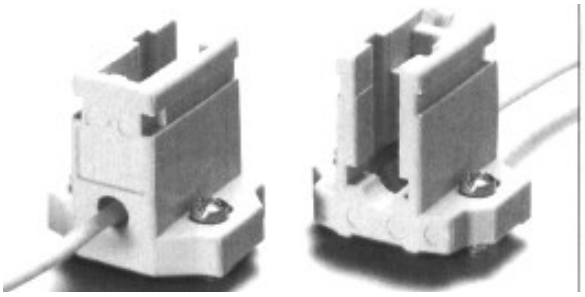
G8,5



RX7S



COD.100932



FC2

COD.100098

GX10



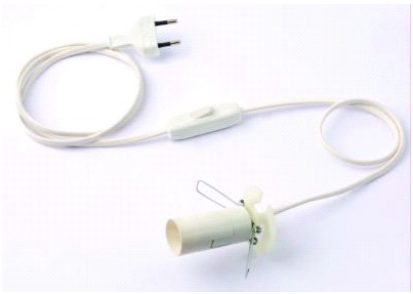
GX8,5



CABLAGGI CLASSE II










v30



DOPPIA
ACCENSIONE

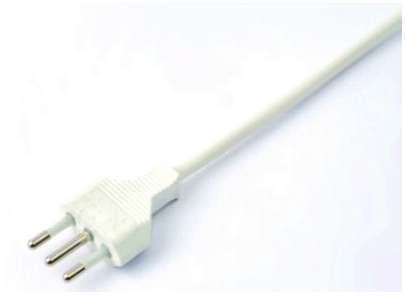
CABLAGGI CLASSE I



AV46



AV25



AV31



AV40



AV75



AV81



R4GB



DI TUTTI I MODELLI SI PUO AVERE LA VERSIONE COMPLETAMENTE-TRASPARENTE SIA CLASSE 1 CHE CLASSE 2.

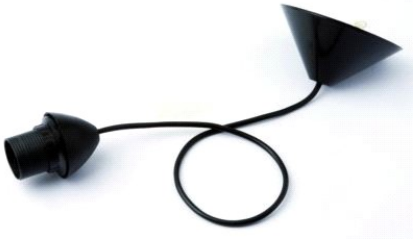
SOSPENSIONI



V70



V71



V72



V73



V74



V79



C72



C71



C7



SOSPENSIONE
CAVO STOFFA
TRECCIA,
ORO
AVORIO
MARRONE NERO
BIANCO



SOSPENSIONE
CAVO ACCIAIO

CROMO LUCIDO

NIKEL SATINATO

STATI UNITI



GIAPPONE



AUSTRALIA



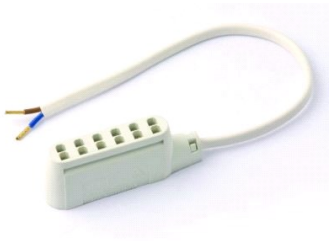


CINA
NORME CCC CQC

CABLAGGIO LUMETTO
CABLAGGIO PIANTANA
PORTALAMPADA E14/E27
CAVI H03VVH2F 2X075/H03VVF 3X075

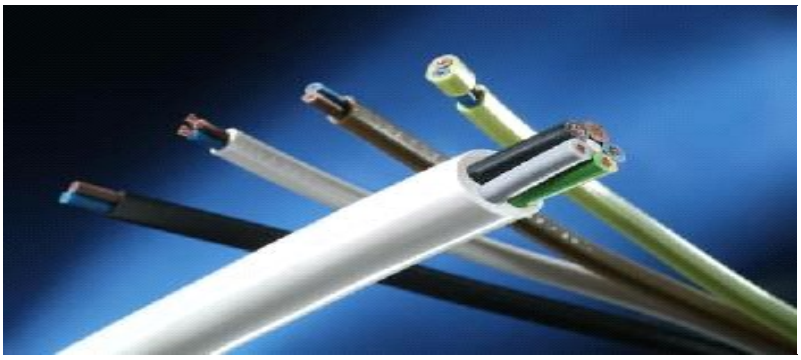






PETTINE MINI AMP

CAVI ELETTRICI PVC IN MATASSA



H03VVH2F 2X
H03VVF 2X 3X 4X

H05VVH2F 2X
H05VVF 2X 3X 4X

ANCHE NORME CINA

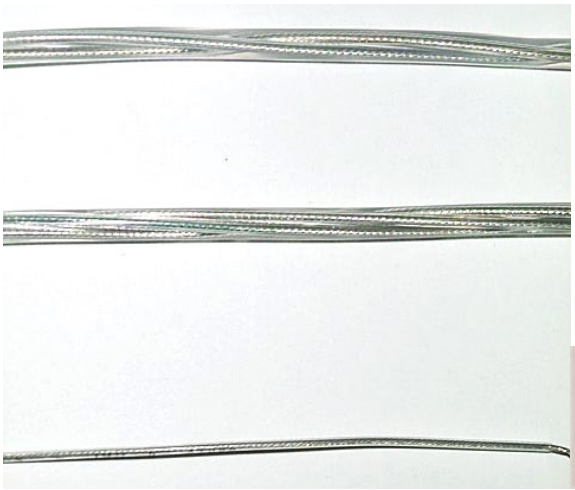


H05V-K 1X
H07V-K 1X

H05V-U 1X
H07V-U 1X



CAVI A NORME UL CSA
1 X AWG18 105° STYLE 1569
2 X AWG18 SPT1 SPT2 105°
3 X AWG18 105° SVT3 - 2XAWG18 SVT2



CAVI TRASPARENTI
1 X FEP 0,25-0,35- 0,50-0,75-1-1,5 SINGOLO E DOPPIO ISOLAMENTO
2X FEP/PVC 0,75 TONDO
3X FEP/PVC 0,75 TONDO
4X FEP/PVC 075 TONDO
2X PVC/PVC 075 PIATTO
2X PVC/PVC 075 TONDO
3X PVC/PVC 075 TONDO
2XAWG20 FEP/FEP PIATTO
2X AWG18 FEP/FEP PIATTO



TUTTI I TIPI DI CAVI SI POSSONO ORDINARE GIA TAGLIATI, SGUAINATI E SPELATI ALLA MISURA CHE VI NECESSITA

CAVI SILICONE UNIPOLARI
A MARCHIO CE
A MARCHIO UL



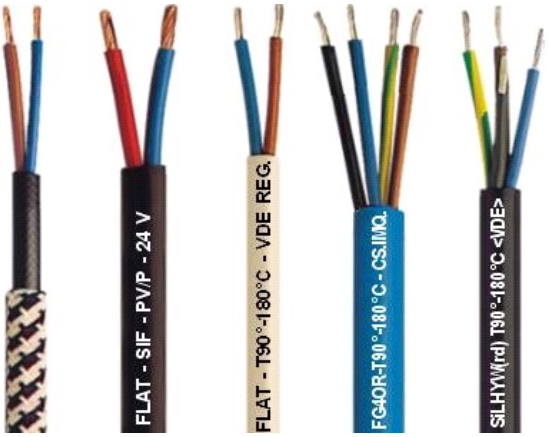
CAVI ELETTRICI SILICONE FIBRAVETRO
A MARCHIO CE
A MARCHIO UL



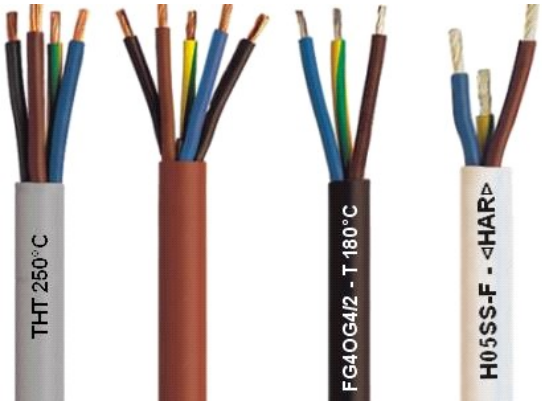
CAVI SILICONE UNIPOLARI
DOPPIO RIVESTIMENTO E RICOPERTI
DI FIBRAVETRO
A MARCHIO CE
A MARCHIO UL



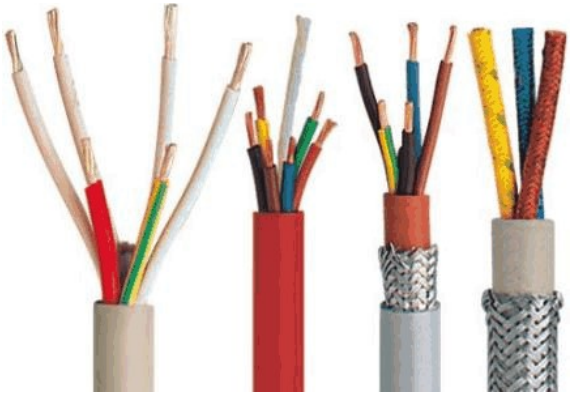
CAVI SILICONE RIVESTITI PVC
A MARCHIO CE

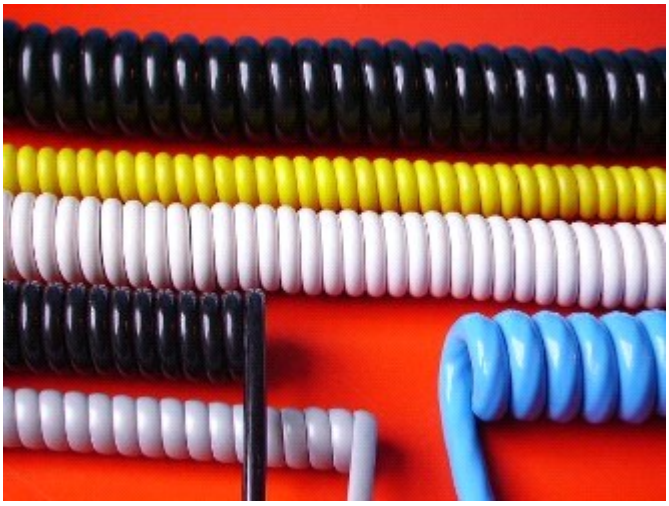


CAVI SILICONE
A MRCHIO CE

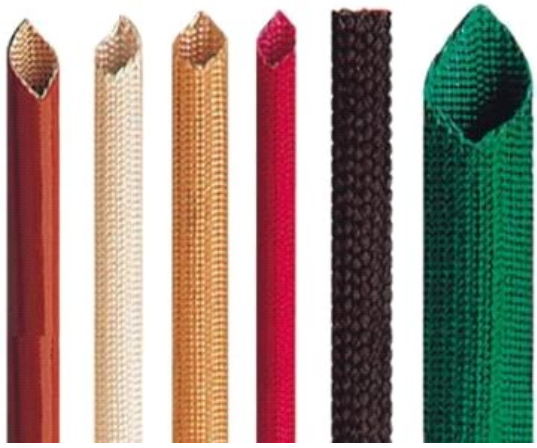


CAVI SPECIALI





CAVI SPIRALATI

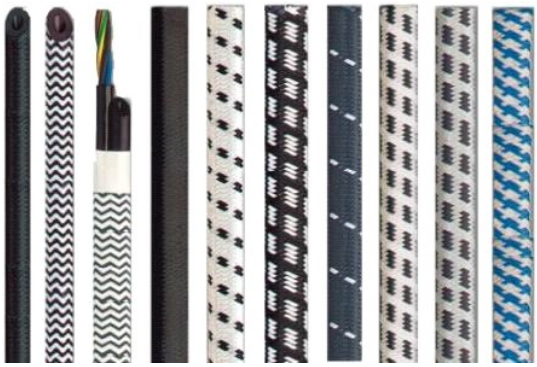


TUBETTI IN FIBRAVETRO

TUBETTI FIBRAVETRO IMPREGNATI SILICONE

TUTTI I DIAMETRI

A MARCHIO UR



TUBI RIVESTITI IN STOFFA





GUAINE TERMORETRAIBILI
VARI COLORI/TRASPARENTI

CAVI ELETTRICI RICOPERTI DI STOFFA
1/2/3/4 POLI ANCHE CON ISERIMENTO CAVO ACCIAIO

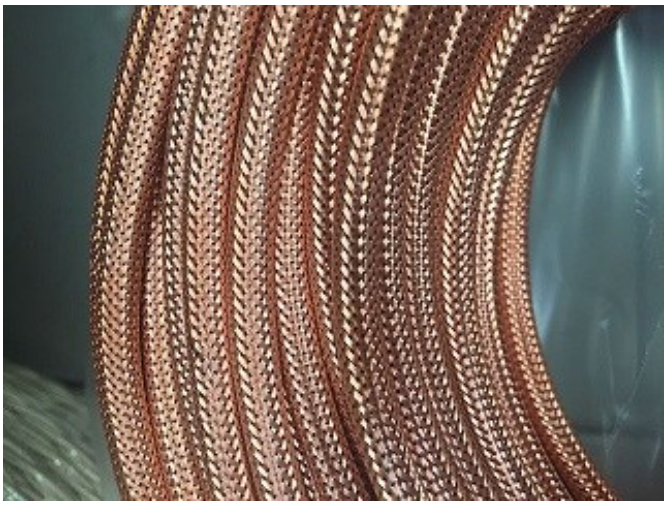
IN SEDE DISPONIBILE CARTELLA COLORI:94 COLORI POLIESTERE/NYLON
E 117 COLORI IN RAYON







CAVO ELETTRICO RIVESTITO FILATURA
ACCIAIO INOX



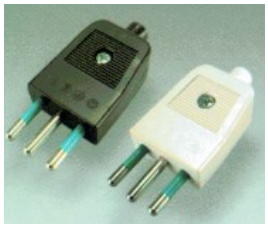
CAVO ELETTRICO RIVESTITO FILATURA
RAME

DECENTRATORE PER CAVO DI ALIMENTAZIONE A FERMARE CON TASSELLO





INTERRUTTORI E SPINE



ART.SS100
10/16A
BIANCA
NERA
ORO

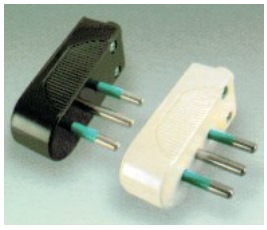


ART.1081
BIANCA
NERA
ORO
TRASPARENTE



10A

PER SPEC-
CHIERE



ART.SP100
10/16A



ART.SP100



SPINA
EMILIA
FLAT
10A

NERA
BIANCA



UK

13A
FUSE 5A

NERA
BIANCA
TRASPARENTE



SVIZZERA

NERA
BIANCA



UK

5A

15A

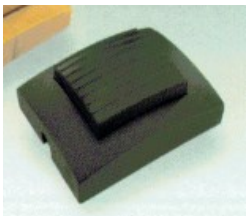


SPINA STATI UNITI
NORME **UL LISTED**
NERA
BIANCA
MARRONE
MONTAGGIO MANUALE

INTERRUTTORE DA
SPECCHIERE



PIANTANA ART.146



INTERRUTTORE
CON LEVETTA



ART.63-A



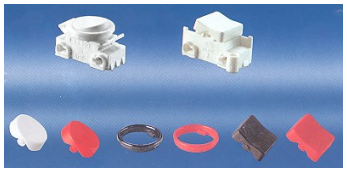
PIANTANA TONDO



REF 478 CE



INTERRUTTORE INCASSO
BASCULANTE



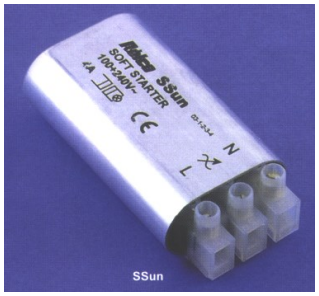
TRASFORMATORI TOROIDALI 12 VOLT 230V-120V



50-60W

200-250-300 W

IP 68



SOFT START
PER UNA PARTENZA
PROGRESSIVA
PER I
TRASFORMATORI
TOROIDALI



20W
40W
50W
60W
80W
100W
120W
150W
200W
250W
300W
350W
400W
450W
500W
600W



TRASFORMATORE ELET-
TRONICO
60-80-110-120W



TRASFORMATORE ELETTRONICO
20w/70w
20w/105w

VARIATORE ELETRONICO PER LAMAPADE AL LED ED ALOGENE



DIMMER PER LAMPADE A LED DIMMERABILI ED ALOGENE COLORE NERO /TRASPARENTE /BIANCO DA TAVOLO A PASSAFILO 220-240VAC
LAMPADE LED E14,E27,GU10 DIMMERABILI 4W-25W
LAMPADE ALOGENE 25W-160W
22X83 H22 MM

	W	V	Hz	LPH		
LED	4÷100 *	100-240	50/60	Ø 94x37	NO	NO
HALO	40÷250	220-240	50/60	Ø 94x37	NO	NO
	10÷150	100-127				

* Max 10 lampadine LED - *Max 10 LED lamps*



RONDÓ N LED
Cod. RS5600/LED (50pz)
Cod. RL5600/LED (10 pz)



RONDÓ P LED
Cod. RL1205/LED (10 pz)



RONDÓ B LED
Cod. RL5618/LED (10 pz)



RONDÓ T LED
Cod. RS5640/LED (50pz)
Cod. RL5640/LED (10 pz)

RONDÓ LED NERO DIMMER PER LAMPADE A: LED E14 E,E27,R7S ,GU10 DIMMERABILI ED DA 4W A 100W
ALOGENE DA 40W AD 250W
GESTISCE: 1 LAMPADA ON/OF E DIMMERA 2 LAMPADE 1 AN/ OFF E SECONDA DIMMERA



RT81 LED N
Cod. RL1104/LED



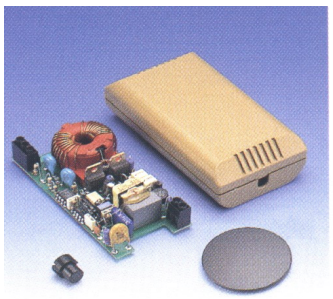
RT81 LED B
Cod. RL1112/LED



RT81 LED P
Cod. RL1120/LED

RT81A

DIMMER
LAMPADE ALOGENE 40-250W
LAMPADE LED 4-100W



VARIALUCE A COMANDO
SENSORIALE
RT 78 LED

Ⓝ

RTS1 LED
Comando rotativo. Varialuce elettronico da tavolo in classe I e II, compatibile con lampadine LED dimmerabili delle migliori marche in commercio.
Rotary control. Electronic table class I and II dimmer combinable with dimmable LED bulbs from major producers.
Trailing edge technology

	W	V	Hz	LPH			PCS	CCM cm³	Euro cad.
LED	4÷100 *	100-240	50/60	45x150x29	●	SI	20	6.800	
HALO	40÷250	220-240	50/60	45x150x29	●	SI	20	6.800	
	10÷150	100-127							

* Max 10 lampadine LED - *Max 10 LED lamps*





RTS1 LED N
Cod. RL1618/LED

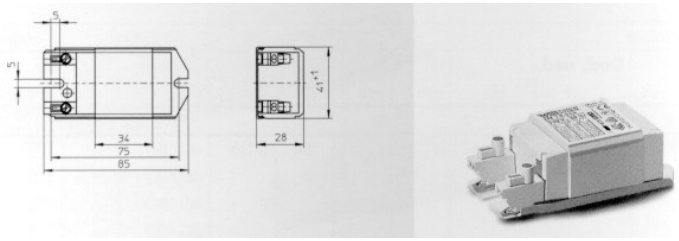


RTS1 LED B
Cod. RL1619/LED



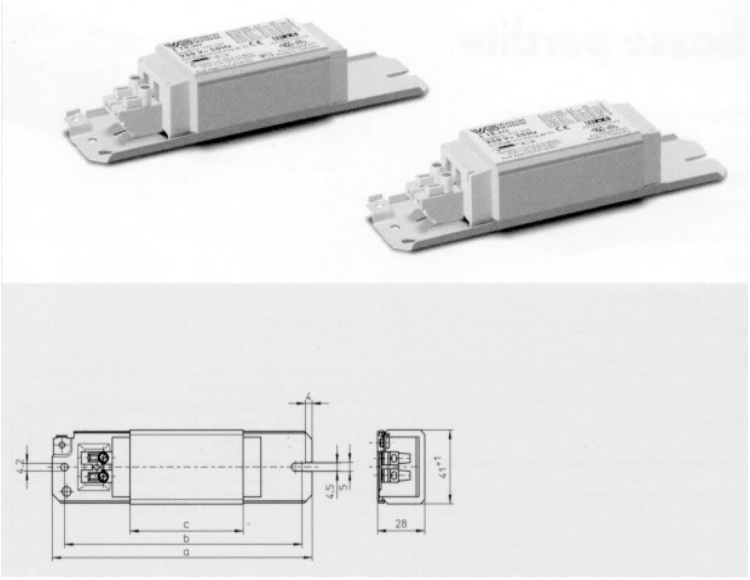
RTS1 LED T
Cod. RL1621/LED

LIGHTING SOLUTIONS



ALIMENTATORE A SEZIONE COMPATTA

Sezione: 28x41x85 mm
Classe di protezione: 1



ALIMENTATORE A SEZIONE STANDARD

Sezione:28x41 mm
Classe di protezione: 1

LIGHTING SOLUTIONS

ALIMENTATORI FLORESCENTI ELETTRONICI



ACCENSIONE ACALDO.

ACCENSIONE ISTANTANEA

DIMMERABILI

1-10 V

DALI

T8
1X 2X 3X 4X =18W-
1X 2X =30W-36W-58W

T5
1X 2X 3X 4X=14W-21W-24W
1X 2X =28W-35W –39W-49W-54W-80W
230V
120V—277V UL



41X80 MM.

BALLAST ELETTRONICO
T5= 4-6-8-13-14-21-24W
2G7=5-7-9-11W
G24Q=10-13W
T8=14-15-16-18W
GR10Q=10-
2G10/2G11=18-2W



145x18 MM

GRUPPI EMERGENZA



GRUPPO INVERTER E BATTERIA PER EMERGENZA LAMPADE FLORESCENTI



GRUPPO INVERTER E BATTERIA PER EMERGENZA ALOGENE 12V 20/100W



EMERGENZE PER LED

350-500-700MA
12-24VDC
PER LAMPADE GU10 230V
PER MODULI LED 6W

ALIMENTATORI ELETTRONICI COMPATT I PER

LIGHTING SOLUTIONS



POTENZE: 1X 35 W
1X 70 W
1X 150 W



35/70/150W
ALIMENTATORI A IMPULSI

ELETTRONICO COMPATTO INVOLUCRO METALLICO 35W/70W





ACCENDITORI ELETTRONICI

- A SOVRAPPOSIZIONE
- A SOVRAPPOSIZIONE CON DISINSERIMENTO AUTOMATICO
- PER RIACCENSIONE A CALDO
- A INPULSI

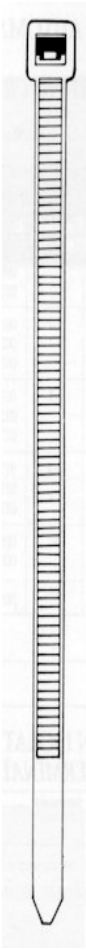
POTENZA:

35W - 70W - 150W - 250W - 400W - 600W - 1000W - 1200W - 2000W - 2000W

3500W

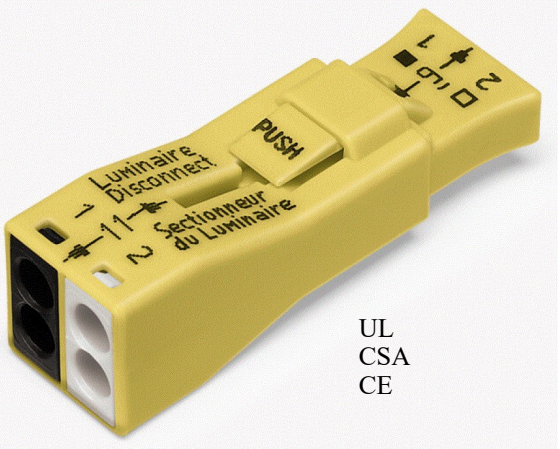


35W/70W/150W/250W/400W/600W/1000W/
1200W/2000W/2500W
HI-HS-HM

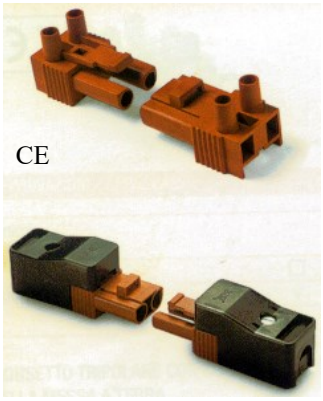


Dimensioni mm *Dimension mm*		Ø Max mm di serraggio *Max bundle Dia. mm*	Forza alla trazione Kg. *Min. tensile strenght Kg.*	Confezione * pezzi *Packing pcs.*
Lunghezza *Lenght*	Larghezza *Width*			
80	2,4	15	8	100/8000
100	2,5	18	8,1	100/5000
120	2,5	30	8,1	100/5000
160	2,5	40	8,1	100/4000
200	2,5	50	8,1	100/3000
140	3,6	33	18,2	100/2500
200	3,6	50	18,2	100/2000
290	3,6	76	18,2	100/1500
370	3,6	102	18,2	100
120	4,8	24	22	100/2000
160	4,8	38	22	100/1500
190	4,8	43	22	100/1500
200	4,8	50	22	100/1500
250	4,8	60	22	100/1300
300	4,8	76	22	100/1000
370	4,8	102	22	100
390	4,8	105	22	100
430	4,8	110	22	100
150	7,6	36	54	100/1000
200	7,6	50	54	100/800
290	7,6	76	54	100/600
370	7,6	102	54	100
430	9	110	79	100
530	9	140	79	100
710	9	190	79	100
780	9	228	79	100
810	9	239	79	100

MORSETTIERE A SPINA POLARIZZATA
MASCHIO FEMMINA



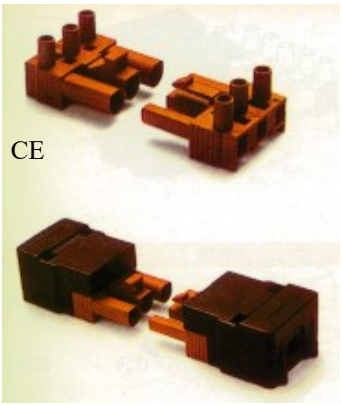
UL
CSA
CE



CE

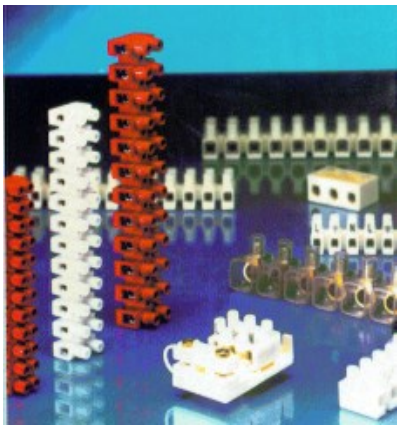


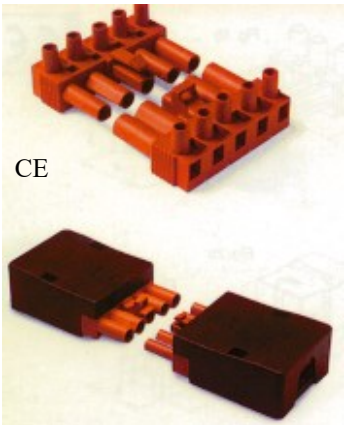




CE





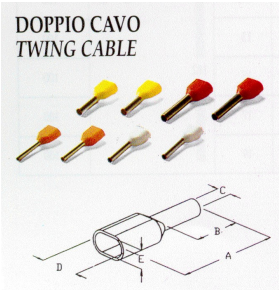


CE

CAPICORDA









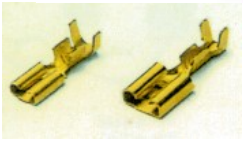














PUNTALI RAME STAGNATO
PER CAVI
SEZIONE :0,5-0,75-1,0-1,5-2,5-4,0-6,0-10,0-16,0-25,0-35,0-50,0-70,0-95,0-120,0

BM1330







PINZE MANUALI PER
GRAFFATURA CAPICORDA

MORSETTIERA
CON PIEDI
PER LAMIERA CON
TERRA







STECCHE MORSETTI A 1POLO/2 POLI /3 POLI /12 POLI
CON LAMELLA/CON SCRITTE.
120° OPPURE 180 GRADI

SEZIONE FO-
RO
1,5 mm.q
2,5 mm.q
4 mm.q
6 mm.q
10 mm.q
16 mm.q
25 mm.q





2 POLI
3 POLI
5 POLI



MORSETTI
DOPPI

MORSETTO EQUIPOTENZIALE

MORSETTO
VOLANTE A
NORME UL







UL
CSA
VDE
IP68

SCATOLE DI CONNESSIONE



IP44



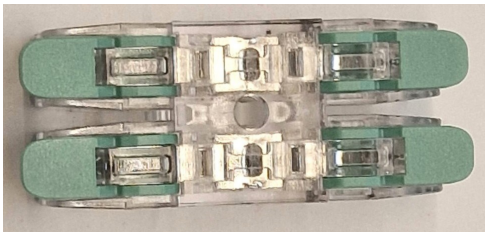
ISOSTOP.2



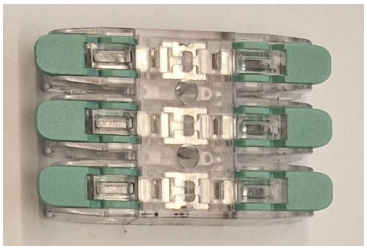
ISOSTOP.3

MORSETTI DI TESTA CON LEVETTE

OJ 282



OJ283





WAGO 221-412



WAGO 221-413



WAGO 221-415





WAGO 222-412

PESSACAVI IP 68





SERRACAVO OTTONE/CROMO IP20



MINUTERIE PLASTICA













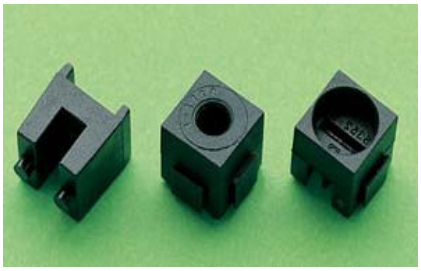








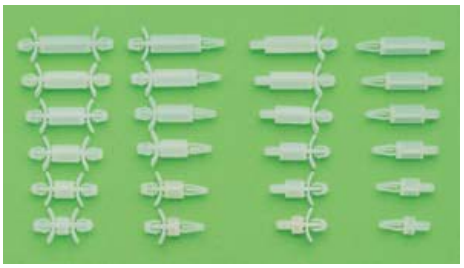

























MicroPaguro®



Art. 5665 Art. 5630 Art. 5698 Art. 5664 Art. 5664/20

MiniPaguro®



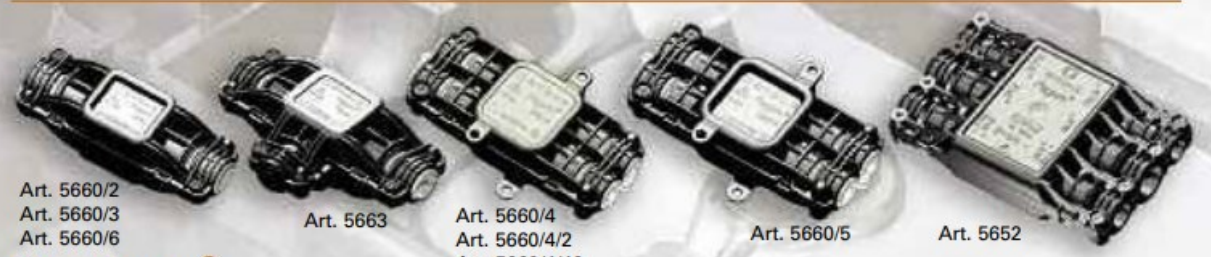
Art. 5695/1 Art. 5633 Art. 5633/6 Art. 5666 Art. 5666/20 Art. 5693

BasicPaguro®



Art. 5650 Art. 5650/3 Art. 5650/20 Art. 5697/3 Art. 5695/5 Art. 5697/3 Art. 5697/5 Art. 5625 Art. 5625/415

MaxiPaguro®



Art. 5660/2 Art. 5660/3 Art. 5660/6 Art. 5663 Art. 5660/4 Art. 5660/4/2 Art. 5660/4/46 Art. 5660/5 Art. 5652

QuickPaguro®



Art. 5760/9/2 Art. 5760/9/4 Art. 5760/13/3 Art. 5760/13/5 Art. 5760/20/5 Art. 5760/20/6 Art. 5767/8 Art. 5767/10 Art. 5767/12

Il dispositivo di giunzione è fornito con GEL stabilizzato e pronto all'uso. È confezionato in sacchetto singolo con i suoi componenti.

The Junction device, supplied with stabilized and ready-to-use GEL, is packed in single plastic bag with its components.

Applicazioni
- **Giunzioni in linea e derivazione per ampia varietà di cavi multipolari in neoprene**
- **Per posa interrata, aerea e sommersa**
- **Impianti di pubblica illuminazione, impianti in gallerie, nautica, giunzioni di cavi energia, segnali e componenti elettronici**

Applications
- Straight and parallel branch joints on wide range of multi-cores cables in rubber
- For installation underground, overhead and underwater
- In public lighting systems, tunnels, marine, for junction and protection of electric and remote control cables, electronic parts

Vantaggi
- **Minime dimensioni, massima versatilità**
- **Pronti all'uso**
- **Di facile e pratica installazione, senza uso di guarnizioni, pressacavi, guaine ecc.**
- **Ri-accessibili**
- **Con ancoraggio del cavo**
- **Ottimo isolamento elettrico ed elevata resistenza meccanica**
- **Senza scadenza**

Advantages
- Min-sized, max-versatile
- Ready-to-use
- Easy and fast installation, no gaskets, glands, sheath etc.
- Re-enterable
- Cord's anchorage
- Excellent electrical insulation and high mechanical resistance
- No expiry date



REF.5665
2 USCITE 2X075



REF.5630 2 USCITE 2X1
REF.5633 2 USCITE 3X1,5



REF.5625 4 USCITE 3X2,5
REF.5625/415 4 USCITE 4X1,5



REF.5695/1 2 USCITE 3X1,5



REF. 5650/3 2 USCITE 3X2,5
REF 5650 2 USCITE 4X1
REF.5650/20 2 USCITE 2X1,5

CONNESSIONI IP68 CON GEL



REF.5660/4 4 USCITE 3X4
REF.5660/4/2 4 USCITE 3X6
5660/5 4 USCITE 5X1,5

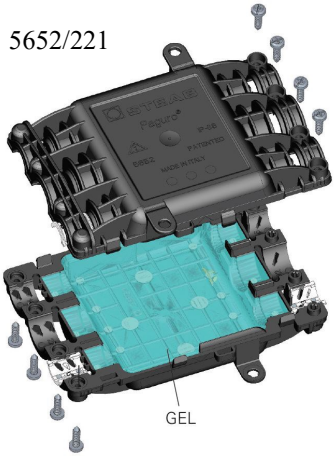


REF.5660/2 2 USCITE 2X6
REF.5660/3 2 USCITE 3X4



REF.5663 3 USCITE 3X6

5652/221



5652/345



La morsettiera 5+5x6mm²non è fornita insieme al contenitore, ma solo su richiesta

Terminal block 5+5x6mm² is not supplied together with container, but it is available at separate sellable item

CONTENITORE UNIVERSALE PER PROTEZIONE IP68 DI COLLEGAMENTI ELETTRICI E/O CIRQUITI/SCHEDE ELETTRONICHE

BICCHIEROLI,BORCHIE,COPRITUBO DORATI,CROMO,BRUNITI

DIAMETRO 30/40/50/60/70/80/90/100 MM



E27 H55MM

H 25MM

E27 H33MM

DIAMETRO 12MM

H20/40/70MM

E14 H33MM

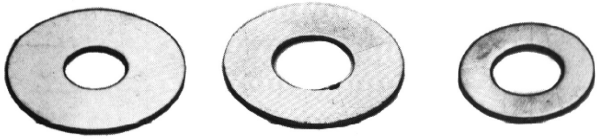
E14 H55

E27 H42



RONDELLE METALLO

DIAMETRO
20.30.40.47.50.60.70.80.90100.110.120.130.140.150





ROSETTA FORO:
8/10/13MM





ROD.3F
LISCIA
E CON RIPRESA





DADI FERRO
M 8/10/M13
CH.13 H 3/4/6 MM
CH14 H 2,5/4

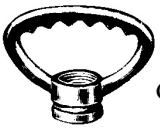
GANCI IN ACCIAIO E OTTONE



GAN.FE
GAN.OTT



GAN.CAR



GAN.BIL.OT



GAN.VDE



GAN.VDE.DOP

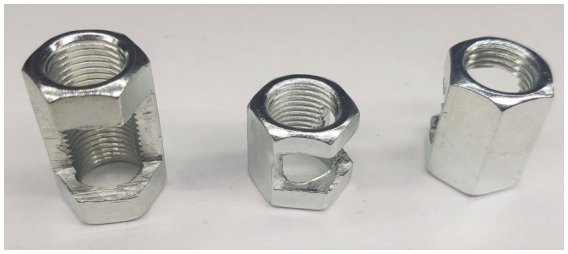
M10X1
M13X1



TIGETTA GANCIO
FERRO / OTTONE

PONTICELLI

PONTICELLO
ESAGONALE
H 15 MM
H 19 MM
H 24 MM





FUSIONE OTTONE

PON.OTT

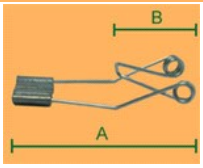
MOLLE A FILO





L= 80 MM
100
120
140





PRESE DI TERRA



ANELLO TERRA FORO DIAMETRO :

10 MM
13 MM



LAMELLA TERRA CON FORO DIAM.

10,5MM
4,2 MM



FORCELLINA TERRA

25MM X 8 MM



VITE RAMATA M4 X 6MM

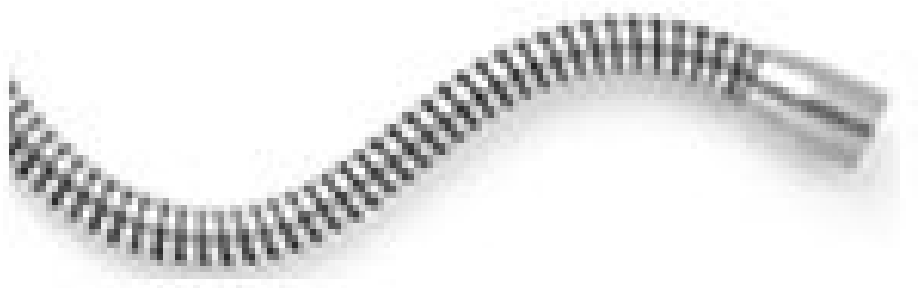
ANELLI PER ROSONI

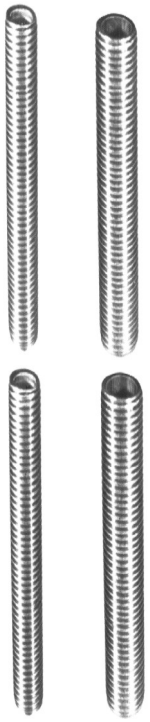


ANELLO PER ROSONE
CON IMPOSTA FORO LAT. 3 MA
DIAMETRO INTERNO 10,5 MM
13,5 MM

ANELLO PER ROSONE
SENZA IMPOSTA FORO LAT. 3 MA
DIAMETRO INTERNO 10,5 MM

TUBI FLESSIBILI (SU ORDINAZIONE)





TUBETTI FILETTATI

M 6
M8
M10
M13
1/4 GAS
M16
3/8 GAS
1/8 I.P.S
1/4 I.P.S
DA MM8 A MM2000

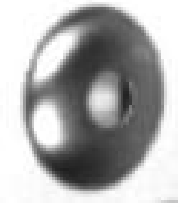
IN FERRO
IN OTTONE



TUBETTI LISCI ATTESTATI

M8
M10
M13

IN FERRO
IN OTTONE



BORCHIA FERRO / OTTONE

BOR 22 MM
BOR 26
BOR32



GHIERA DA BAGNO



RONDELLE FERRO / OTTONE

MULTIFORATURA



FERFALLA

FERRO





CENTRAVETRO





MEZZE SFERE

FERRO-OTTONE
DIAMETRO:
31-42-50-60-68-80-100-120-150

CAVI ACCIAIO



CAVO ACCIAIO A BOBINE
SEZIONE :
1,00 MM
1,50 MM
OPPURE AR RICHIESTA
ACCIAIO ZINCATO
ACCIAIO ZINCATO E PLASTIFICATO
ACCIAIO INOX



L= 130 CM. ,200 CM.,300CM,400CM,500CM
OPPURE MISURE SU RICHIESTA
*ACCIAIO ZINCATO
*ACCIAIO ZINCATO PLASTIFICATO
ACCIAIO INOX





SERRACAVO ACC. D.13MM H12 MM



MORSETTO CON DOPPIO FORO PER CAVO ACCIAIO



GANCIO ZAMA FILETTO LATERALE



SERRACAVO CAVO ACCIAIO A FRIZIONE

DECENTRATORE PER CAVO DI ALIMENTAZIONE A FERMARE CON TASSELLO



SERRACAVO CAVO ACCIAIO A FRIZIONE CON SUPPORTO A FISSARE A PARETE/SOFFITTO CON TASSELLO



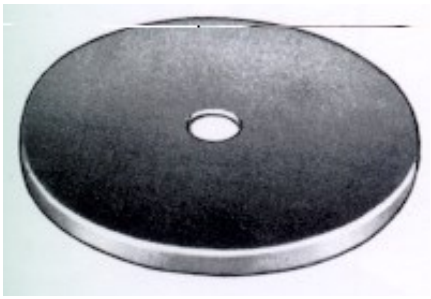




SUPPORTO CONICO PER SERRACAVO



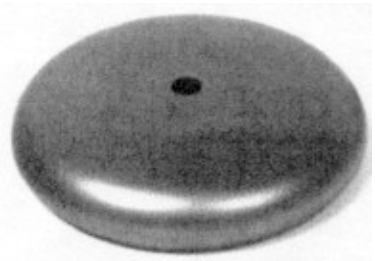
BORCHIA
D.33/40/50/60/70/80/90/100
FERRO / OTTONE



COPRITUBO
D.30-32-35-40-50-60-70-80-90-100-MM
FERRO / OTTONE



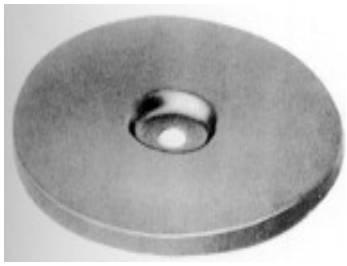
ROSETTA
FERRO / OTTONE



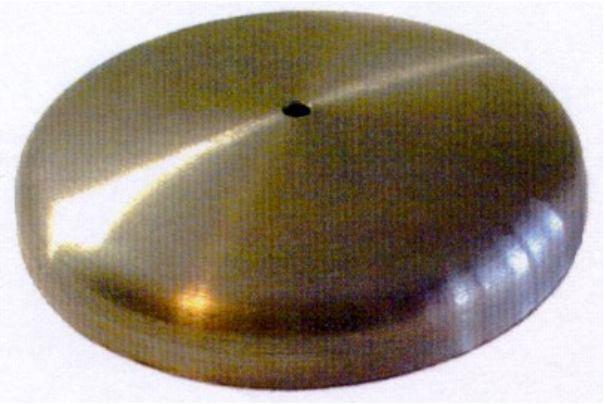
BASE SPESSORE 2,5 MM
D.130/170 CON TAPPO PLASTICA
FERRO



BASE 140 MM
FERRO



TAPPO PER BASE 140 MM.
FERRO



BASE FERRO
DIAMETRO 160-220-260290-320 MM.
SPESSORE 4-6 MM.

COPERTURA FERRO CROMABILE / OTTONE



BASE FERRO CON ASOLE
D.60/70/80/100/110/120/140
FERRO / OTTONE



STAFFA TONDA PER APLIQUE
FERRO



STAFFA PER APLIQUE
FERRO
L. 60/70/80/100/110/120/140



ROSONE D.90/110

FERRO / OTTONE



ROSONE SMERLATOD.120

FERRO



ROSONE D.105

FERRO



BICCHIEROLO E14
H 33 / H 40

FERRO / OTTONE

BICCHIEROLO E27
H 33 / H 44

FERRO / OTTONE



BICCHIEROLO
PORTALAMPADA G9



BICCHIEROLO E14
H 55

BICCHIEROLO E27
H 60

FERRO / OTTONE



BICCHIEROLI
CON FOGLIE



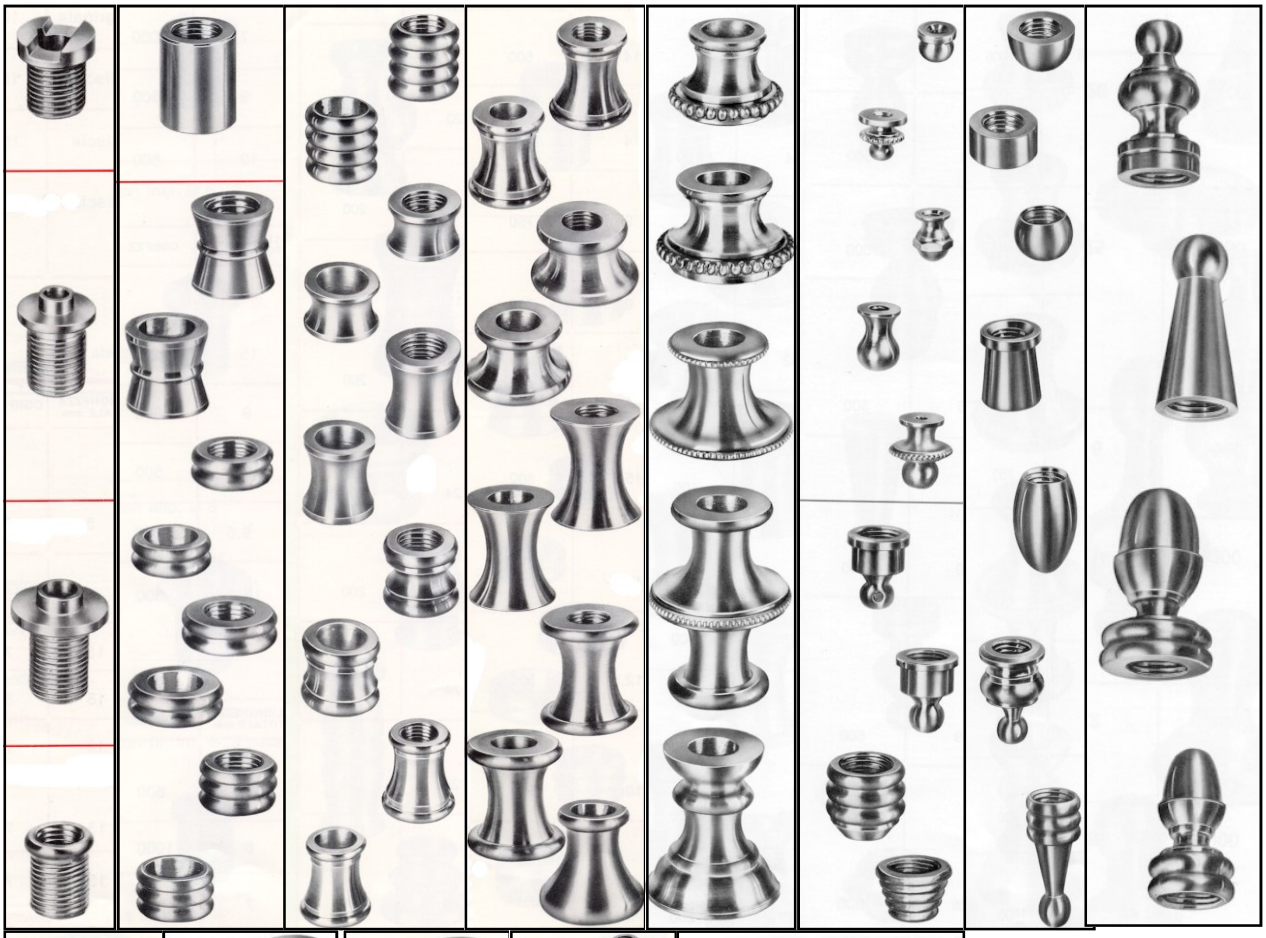
CONI IN FERRO / OTTONE

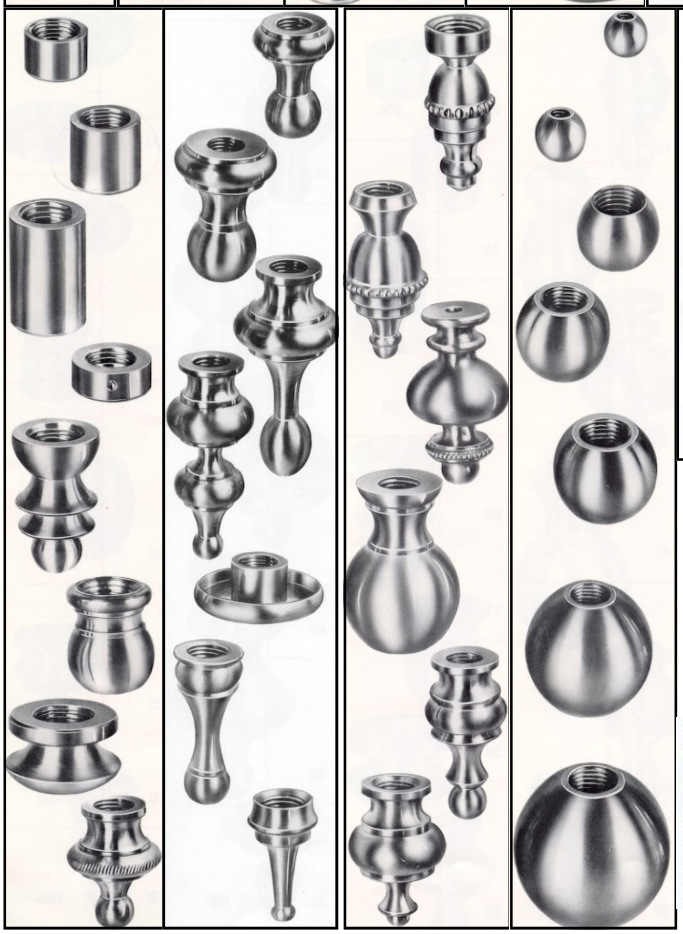




BASI FERRO CROMATE
DIAMETRO
60/80/100/120/140MM

TORNITURE METALLO







SNODI OTTONE











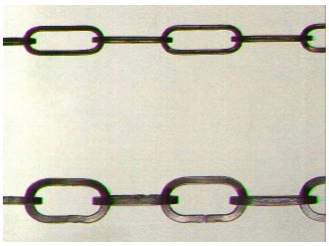


MINUTERIE PER CATENE
OTTONE-BRUNITE-NIKEL BIANCO-NIKEL NERO-VERDE









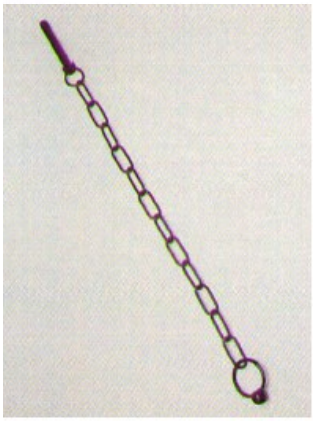








ANELLI
IN FERRO





PINZA APRI CATENA







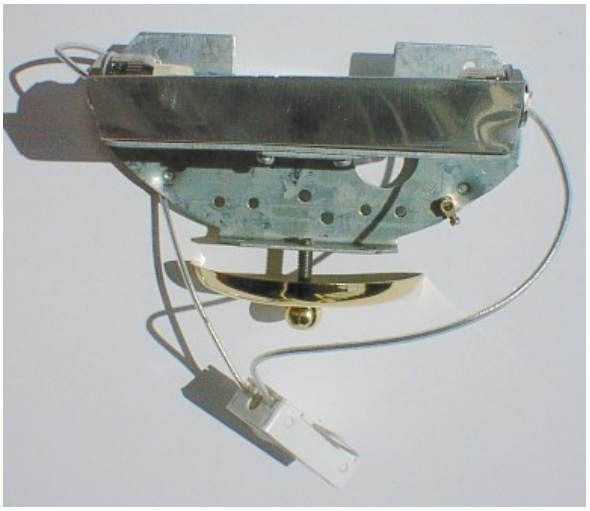
STAFFE APLIQUE E27 CL1/2 E ALOGENA (PIATTI-OTTONE-BRUNITI-VERDI SCAVO-NERO-BIANCO)

APLIQUE PER VENTOLE





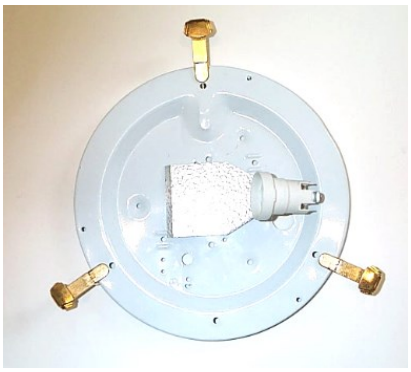




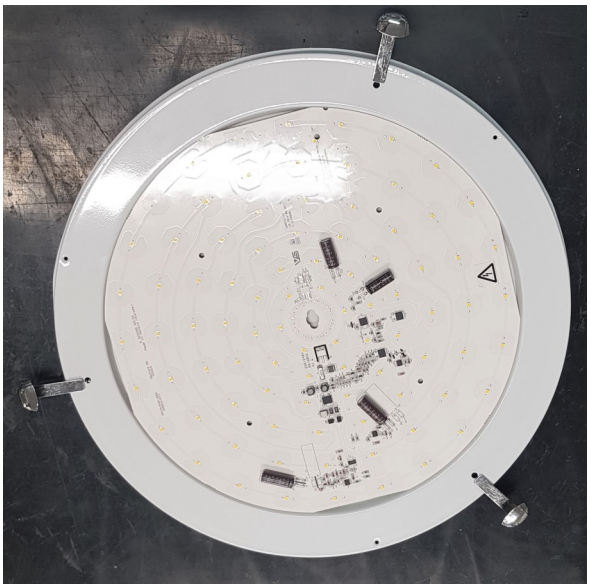


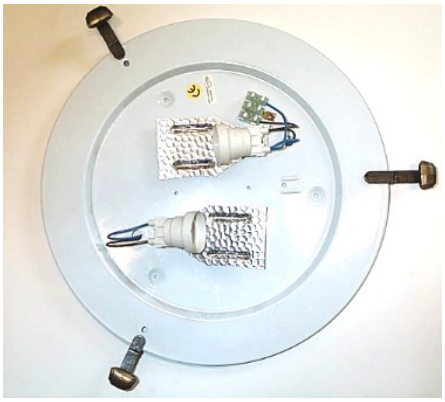
REF.0171
ORO
CROMO
BRUNITO

PIATTI PLAFONIERA CABLATI E NON CABLATI



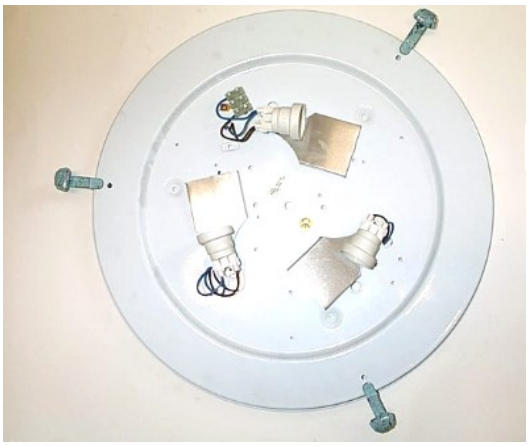
DIAM.30 CM





DIAM.40 CM

PIATTI DIAM.30/40/50/60 CM.
CON MODULO LED 230V AC
20,5-30,5-42,5W ANCHE CON 2°
CIRCUITO PER EMERGENZA
3000/4000/5000K
DIMMERABILE A TAGLIO DI FASE



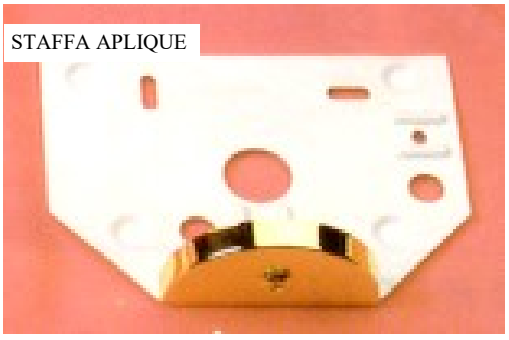
DIAM.50 CM

DIAM.60 CM

MEZZO PIATTO DIAM.30 CM. A 2 OPPURE 3 GANCI



STAFFA APLIQUE



RIFLETTENTE



LAMPADE ALOGENE



R7S 78 MM
48-80-120W

R7S 118MM
120-230-400
ENERGY SAVER



E14
DOPPIO VETRO
60 W
230V



B15
25-40-60-75-100W
230V



DIAM.35 MM MR11
GU4
20-35

DIAM.50 MM. MR16
GU5,3
20-20-50

12V
20-35-50
ENERGY SAVER



G9

CHIARA
20/33/48/60W
ENERGY SAVER

230 V



G4
5-10-20-35 W 12V

G6,35
20-35-50-75-100 W 12V

G6,35

14-25-35-50-65 12V
ENERGY SAVER



E14

25W



R50 18/28/42W
R63 28/42W
R80 46-57-77W



E27 G95
60-100 W

E27 G120
28-42-70W

LAMPADE DECORATIVE 25W 40W 60W FILAMENTI CARBONE





GLOBO DIAMETRO
125 MM.



LAMPADE FLORESCENTI



G13
15-18-23-25-30-36-58 W
T5
4-6-8-13-14-21-24-28-35-39-
54-80W
T2
6-8-11-13W



G23

5-7-9-11 W



G10Q
22-32-40 W

TR5 (DIAM.16MM)
22-40-55W



G24

10-13-18-26 W
32-42W



2G11

18W-24W-36W
40W-55W-80W



STARTER
4-22 W 4-65 W

STARTER ELETTRONICO
18-22 W 36-65 W

LAMPADE A LED



MR16 GU10
3,5/5/8/9,6W
CRI 80 / CRI 90
290/460/600/750
LUMEN

DIMMERABILE
TAGLIO DI
FASE



5/8W
36°
2700/3000/4000K
DIMMERABILE TAGLIO
DI FASE
12V DC/AC ANCHE CON
ALIMENTATORE
ELETTRONICO
630 LUMEN



BISPINA G4 1,2-3,5W
3000K/4000K
12V AC/DC

EQUIVALENTE 20W



BISPINA G4
1,8W 12V AC/DC

DIMMERABILE PWM

EQIVALENTE 20W



MR11
2,5W 2700K-3000K
185 LUMEN



G9 LED
2,5W
3,5W
4 W DIMMERABILE
4,5W
230V



PAR 30 12W

PAR38 17W

E27



AR111 12V AC/DC 12W/15W

DIMMERABILE
TAGLIO DI FASE
FUNZIONA CON
ALIMENATORE ELETTRONICO
ALOGENE

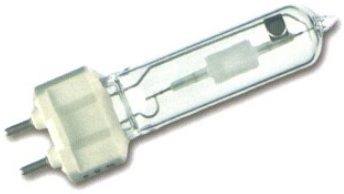


R111 220-240V

15W LUMEN 950

DIMMERABILE

LAMPADE AD ALOGENURI METALLICI

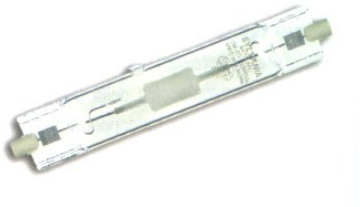


G12

150W



G8,5
35W
70W



RX7S
70W
150W



IODURI METALLICI

PAR 20
20W 35W

PAR 30
35W 70W



GX8,5

35W

LAMPADE A FILAMENTO LED ESTERNO VETRO
CHIARE,SATINATE,OPALINE





2W 4W
6W



2/4W



2/4W
E14/E27

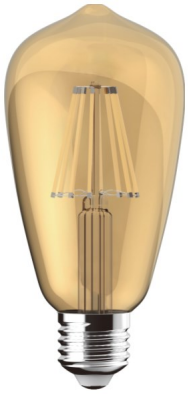


E14 4W



6W, 8W ,12W 1521 LUMEN
15W 2452 LUMEN
8W DIMMERABILE 806 LUMEN

E27



LAMPADE LED FILAMENTO
VINTAGE
E14/E27
VARIE FORME



GLOBO E27 DIAMETO 95MM 8W 2700K
DIAMETO 125MM 8W CHIARO/OPALE 2700K 1055 LUMEN
DIAMETO 125MM 12W CHIARO/OPALE 2700K 1521 LUMEN
DIAMETO 125MM 15W CHIARO/OPALE 2700K 2452 LUMEN



GOCCIA LED SENSOR
9/12W 3000/4000K



AC/DC

E27 LED 8,5W



E14 5/8,5W
3000/4000/6400K

E27 8,5W
3000/4000/6400K

LAMPADE A LED



3/6/7/9W =900LUMEN
3000/4000/6500K



E27 LED
6/9/12/15/18/20/24W
E14 LED 3/6/7/9W
3000/4000/6500K



E 27
TUBOLARE

6W 10W 12W 14W

3000K
4000k
DIMMERABILE



DIAM 95MM 13W
DIAM.120 MM 16/18/
24W 2400 LUMEN



E14 2W/4W 3000K



E27 24W 30W
E40 50W -70W-90W
3000/4000K



E27 36W
2700/3000/4000K

E40 54/80W 4000K



R7S

17,5W 118MM
11,5W 74 MM
3000K
220/240V
DIMMERABILE



GX53 LED 5W /7W



TUBI A LED

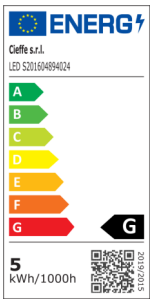


LAMPADA LINESTRA LED
1 ATTACCO
2 ATTACCO
4/8/16W 3000K



STRISCE LED FLEX 4,8W MT
12V/24V DC
IP20 60 LED METRO
CIP LED 2016

2700K
3000K 380 LUMEN
6500K
ROSSO/VERDE/BLU/GIALLO



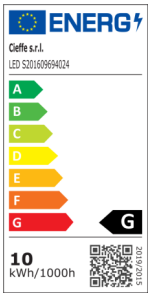


STRISCE LED FLEX 4,8W MT
12V/24V DC
60 LED METRO
CIP LED 3528
LARGHEZZA 8MM
IP54/IP67/IP68

2700K
3000K
6500K
ROSSO/VERDE/BLU/GIALLO



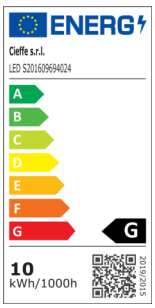
STRISCIA LED FLEX 120 CIP LED 2016
LARGHEZZA 8 MM
120 LED 9,6 W METRO
IP20/IP54/IP67/IP68
2700K
3000K 700 LUMEN
4000K
6500K
CRI SUPERIORE A 90 /95 3 STEP





STRISCIA LED FLEX CIP LED 2016
LARGHEZZA 4 MM
IP20
120 LED 9,6 W METRO 760 LUMEN
180 LED 14,5W METRO 1260 LUMEN

2700K 3000K 4000K
CRI SUP.90 3 STEP



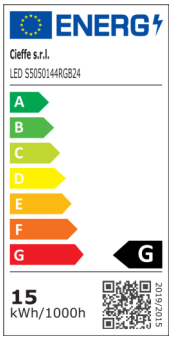


STRISCE FLEX 4,8W/9,6W METRO 60/120 CIP METRO
CON EMISSIONE LATERALE DELLA LUCE
IP 20/IP65
12/24VDC

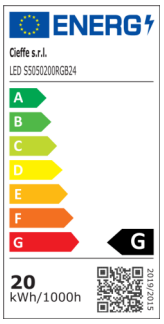
3000/4000/5000/6500K
BLU/ROSSO/VERDE/GIALLO



RGB
STRISCIA LED FLEX 24VDC
RGB LED 14W METRO
CE

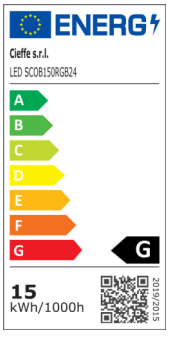


RGB
STRISCIA LED FLEX 24VDC
RGB 96 LED 20W METRO
CE



RGB
STRISCIA LED FLEX 24VDC
RGB UNICA STRISCIA LED 15W METRO
CE







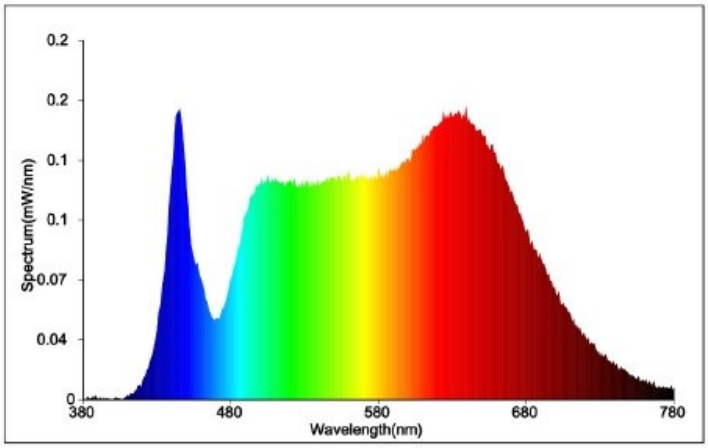
RGB+W
STRISCIA LED FLEX 24VDC
RGB 90 LED 19,5W METRO
BIANCO 7,8W METRO
CE

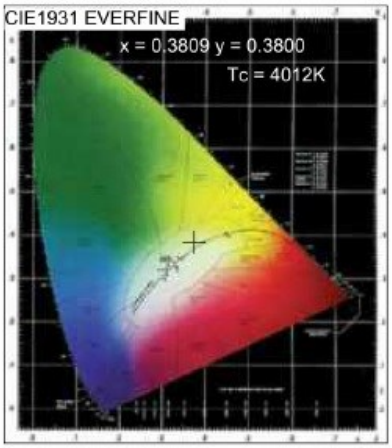


RGB+W-D
STRISCIA LED FLEX 24VDC
RGB 90 LED 19,5W METRO
BIANCO 2700K 2,5W METRO
BIANCO 6000K 2,5W METRO
STRISCIA A MARCHIO UL LISTED
CE



Test Report of Full Spectrum Strips





Color Parameters:

Chromaticity Coordinate:x=0.3809 y=0.3800/u'=0.2241 v'=0.5031 duv=1.360e-003

Tc=4012K Dominant WL:Ld=578.3nm Purity=28.3%

Ratio:R=20.7% G=74.6% B=4.7% Peak WL:Lp=444.5nm HWL:18.1nm

Render Index:Ra=96.8 CRI=96.4

R1 =97.003 R2 =99.688 R3 =96.307 R4 =93.094 R5 =96.523 R6 =99.007 R7 =96.761

R8 =95.912 R9 =93.741 R10=99.225 R11=89.986 R12=96.106 R13=97.779 R14=97.694 R15=97.814

TM30 Parameters: Rf = 95.8, Rg:102.2

Photo Parameters:

Flux = 9.866 lm Eff. : 111.68 lm/W Fe = 36.16 mW

Electrical parameters:

VF = 2.947 V IF = 29.97 mA P = 88.34 mW

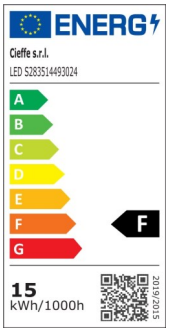
IR = 0 uA (VR = 5.000 V)

LEVEL:New Class WHITE:NK2

Status: T=80.00ms Ip=2795 (4%) [HAAS2000_V3_USB] V2.00.275

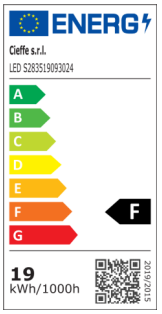


STRISCIA LED FLEX LED 2835 NUMERO 240 METRO
24VDC
14,5W METRO 1350 LUMEN METRO
SEZIONABOLE OGNI 25 MM
2200K/2700K/3000K/3500K/4000K/5000K/6000K
CIRCUITO H 8 MM A MARCHIO UL LISTED /CE
CRI SUPERIORE 90/95 3 STEP





STRISCIA LED FLEX
LED 2835 NUMERO 240 METRO 24VDC
19,2W METRO 2350 LUMEN METRO
SEZIONABOLE OGNI 25 MM
2200K/2700K/3000K/3500K/4000K/5000K/6000K
CIRCUITO H10MM A MARCHIO UL LISTED /CE
CRI SUPERIORE A 90 /95 3 STEP

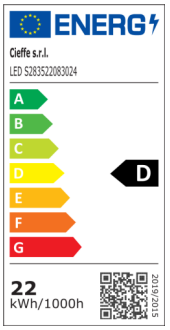




STRISCIA LED FLEX
LED 2016 NUMERO 300 METRO 24VDC
24,5W METRO 2450 LUMEN METRO
SEZIONABOLE OGNI 25 MM
2200K/2700K/3000K/3500K/4000K/5000K/6000K
CIRCUITO H10MM A MARCHIO UL LISTED /CE
CRI SUPERIORE A 90 /95 3 STEP

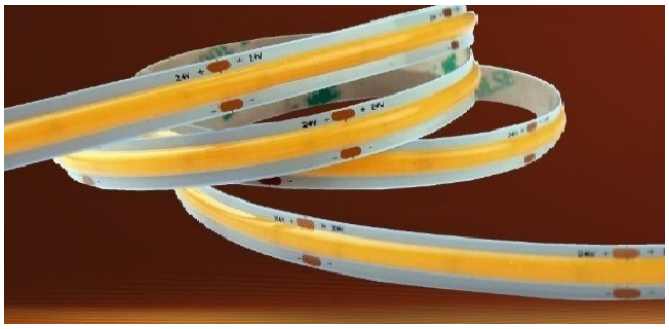


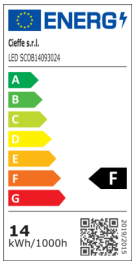
STRISCIA LED FLEX CIP LED 2835 CON REGOLATORI
23/27VDC
22W METRO 4000 LUMEN MT
SEZIONABILE OGNI 83MM
128 LED METRO
2700K 3000K 3500k(a richiesta) 4000K 5000K
CIRCUITO H12MM A MARCHIO UL LISTED CE

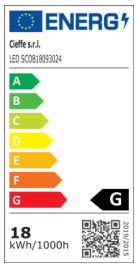




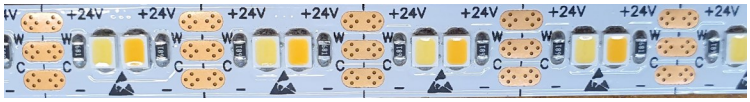
STRISCIA LED 5050 FLEX 25W METRO 5000 LUMEN MT. 2700/3000/4000/6000K
200 LUMEN METRO LARGHEZZA CIRCUITO 15MM

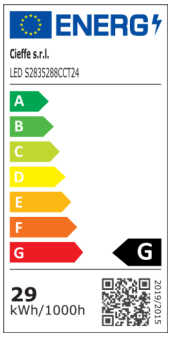




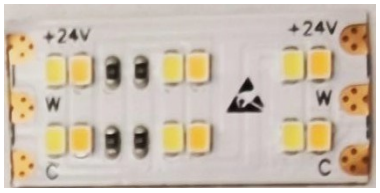


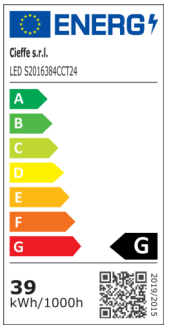
STRISCIA LED 0603 COB CONTINUO
2700/3000/4000K
CRI SUP.90
5 W METRO 900 LUMEN 5/8 MM IP20/IP67
10 W METRO 900 LUMEN 5/8 MM IP20/IP67
14 W METRO 1300 LUMEN IP20/IP67
18 W METRO 1600 LUMEN IP20/IP67
24VDC
MARCHIO CE





STRISCIA FLEX BIANCO DINAMICO 2835 120LED MT
14,5W 2700K + 14,5W 6000K
CRI 95+ 24VDC 1200+1200 LUMEN ALIMENTAZIONE 24VDCTAGLIO OGNI 16 MM

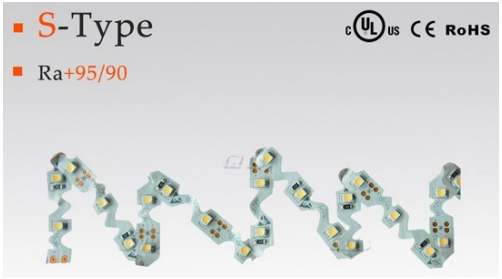


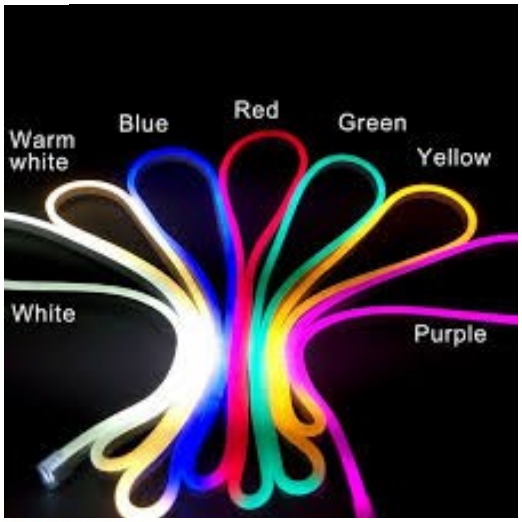


STRISCIA FLEX BIANCO DINAMICO 2835 120LED MT
19,W 2700K + 19,2W 6500K
CRI 95+ 24VDC 1380+1380 LUMEN ALIMENTAZIONE 24VDC



STRISCIA LED FLEX CIP LED 5630 ORIENTABILI
NUMERO 70 METRO
24VDC
15 W METRO 1400 LUMEN METRO
SEZIONABOLE OGNI 100 MM
2200K/2700K/3000K/3500K/4000K/5000K/6000K
CIRCUITO H10MM A MARCHIO CE





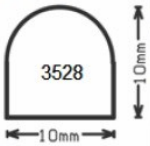
TUBO NEON LED FLEX NUMERO 120 LED METRO
24VDC
12W METRO 1200 LUMEN METRO
SEZIONABOLE OGNI 50 MM
2200K/2700K/3000K/3500K/4000K/5000K/6000K/
ROSSO/BLU/VERDE/ RGB
IP 67
DIAMETRO 11MM MARCHIO CE
CRI SUPERIORE A 90 3 STEP

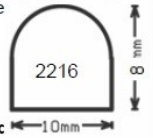
Applications:

- Car decoration
- Architectural decorative lighting
- Archway,canopy and bridge edge lighting
- Auditorium walkway lighting
- Backlighting for signage letters
- Channel letter lighting

Product features:

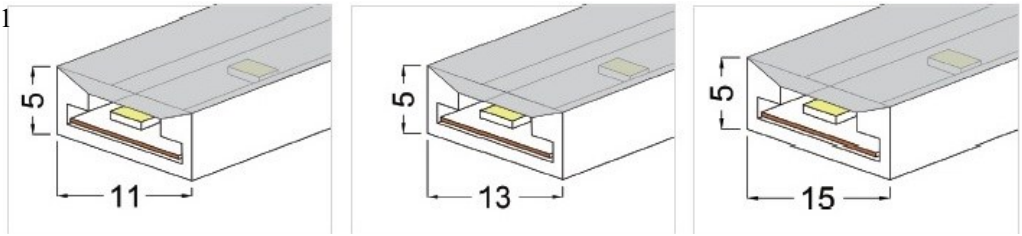
- Various angle 120degrees
- With adhesive tape on backside
- Made of high quality LEDs
- Work Voitage: DC24V version
- No Light Spot
- UL, CUL, CE, ROHS Approvec



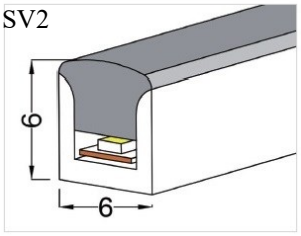




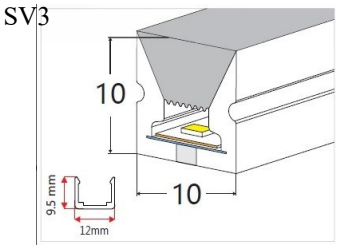
SV1



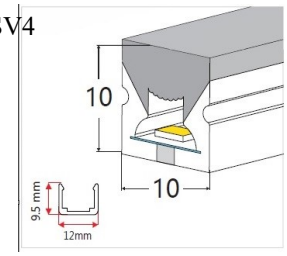
SV2



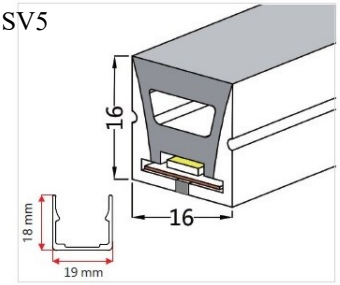
SV3



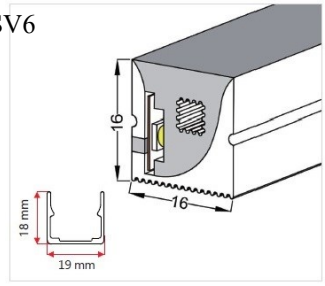
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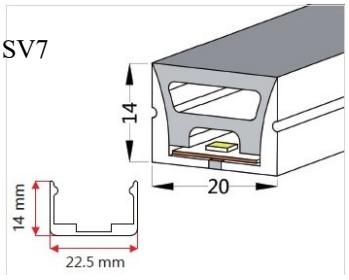
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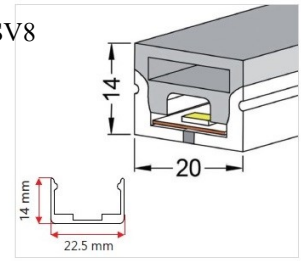
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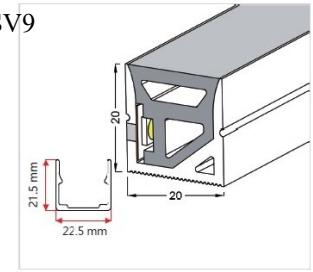
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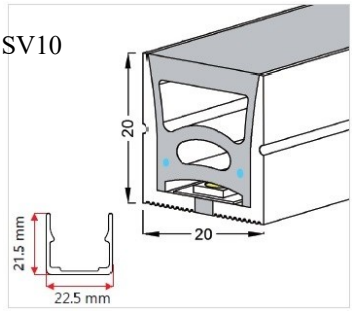
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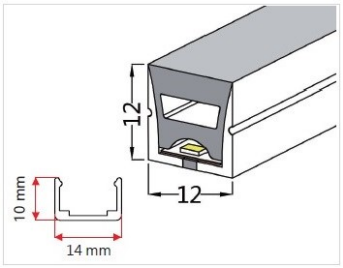
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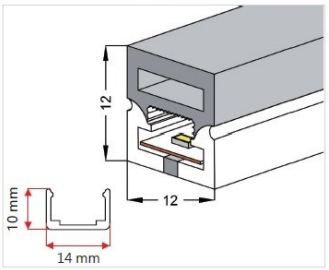
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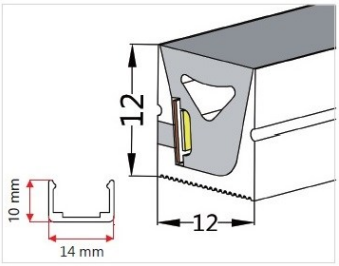
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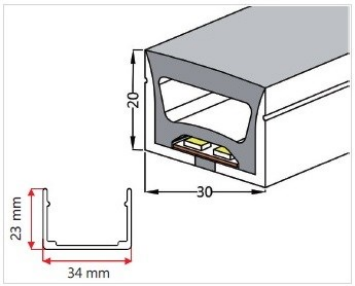
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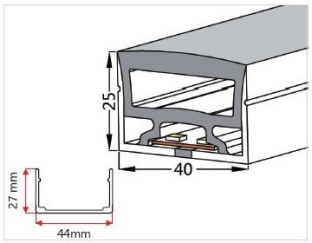
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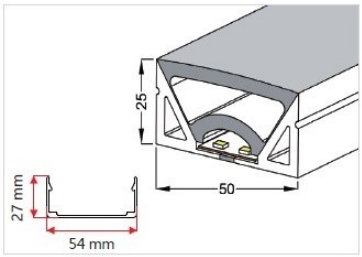
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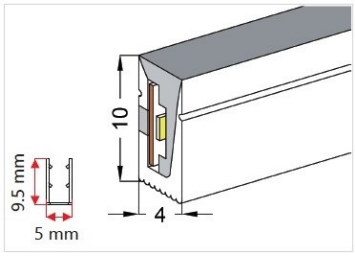
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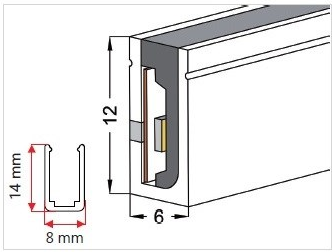
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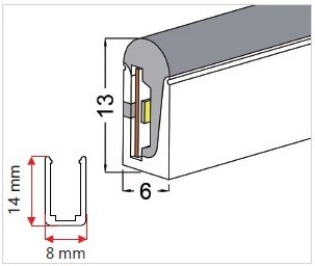
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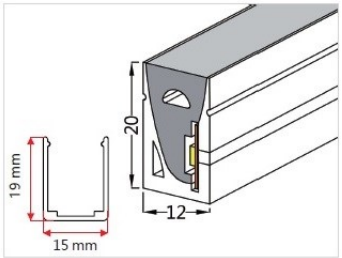
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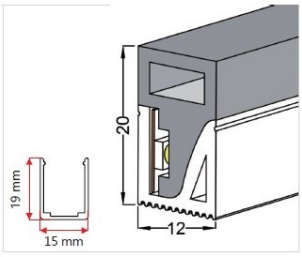
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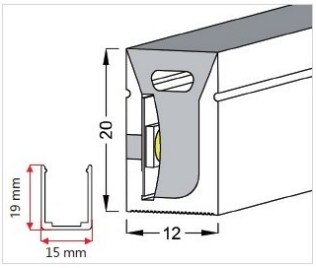
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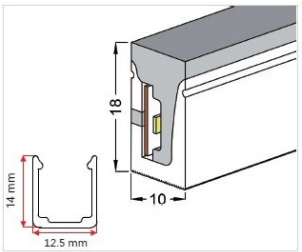
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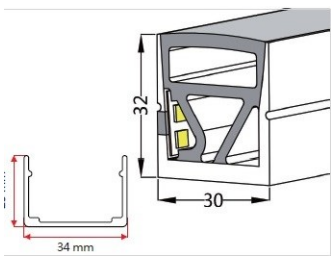
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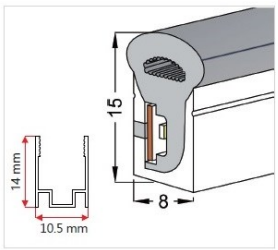
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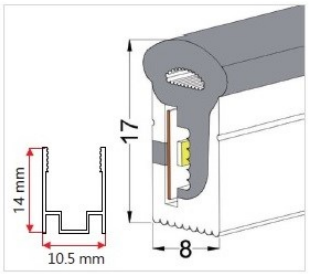
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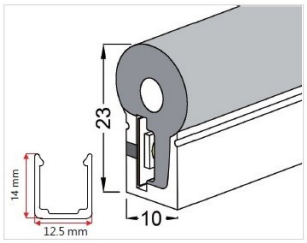
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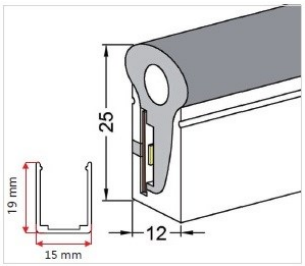
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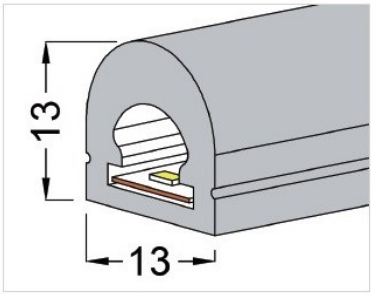
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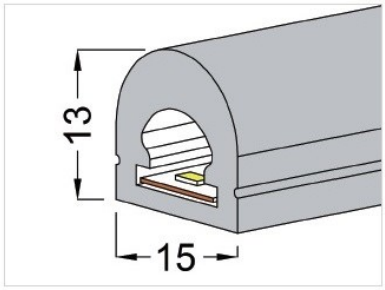
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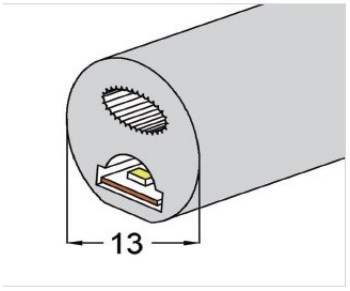
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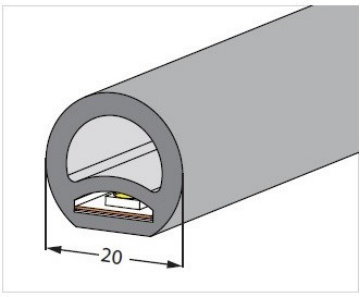
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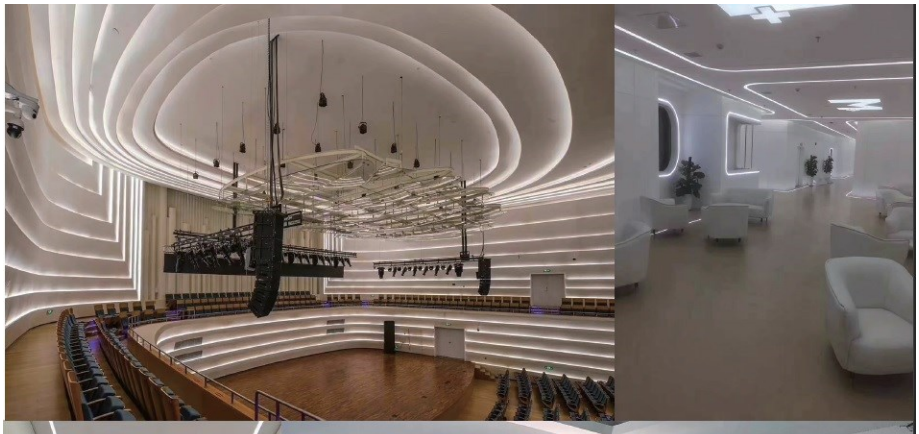


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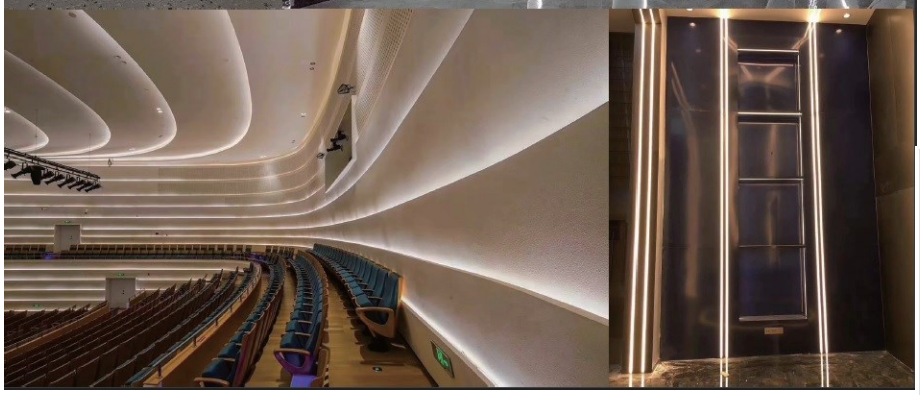


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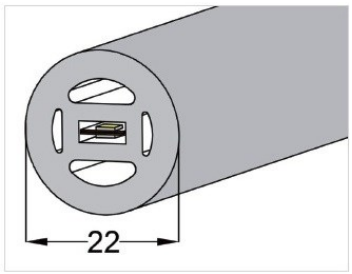




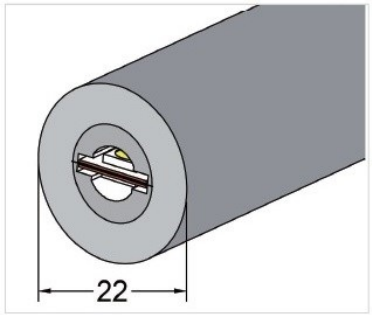




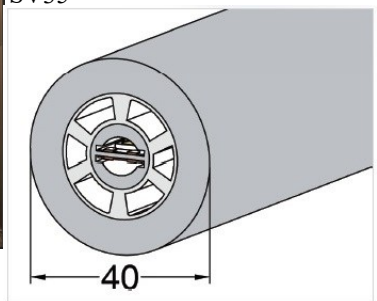
SV33



SV34



SV35



MODULI LED FLESSIBILI, ADESIVI, TAGLIABILI

1-LED-Cut

c UL us CE RoHS

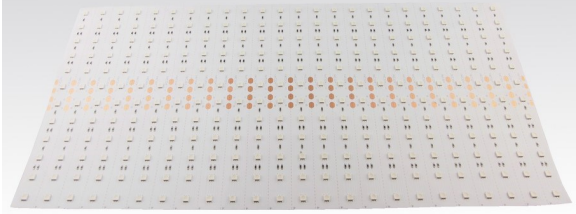
- Ra+90



RGB Version

c UL us CE RoHS

- Soft-Version



Dual-White

c UL us CE RoHS

- Ra+90



160 Degree

c UL us CE RoHS

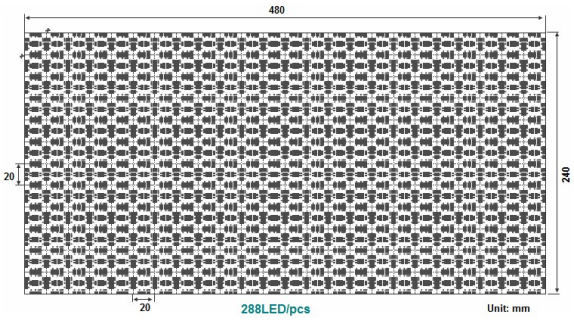
- Soft-Version, Ra+90



RGBWW

c UL us CE RoHS





Specifiction Sheet for
160 Degree High Power SMD2835 Back Light Board

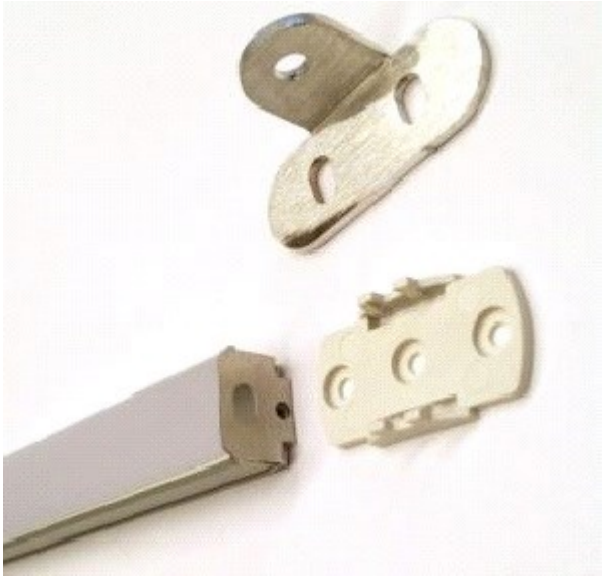




Product features:

- Angles: 160 Degree
- Power: 7.2W for 0.25m/pcs, 14.4W for 0.5m/pcs
- LED Type: High Power SMD2835
- Work Voltage: DC24V Constant Current Version
- No need of special driver, any DC24 driver that is OK for constant voltage power supply with be OK for QL constant current strips.
- No need of special controller, normal controller will be OK.
- It can protect itself as well; when the strip temperature gets up, the current to go down to ensure the safety.

BARRE ALLUMINIO PER LED



17MM
H:11,5MM

COPERTURE PER BARRE ALLUMINIO



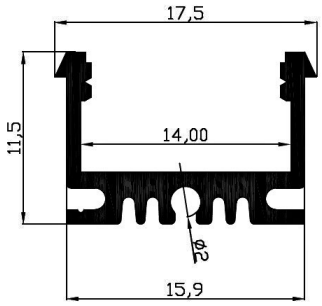
LENTE 44°

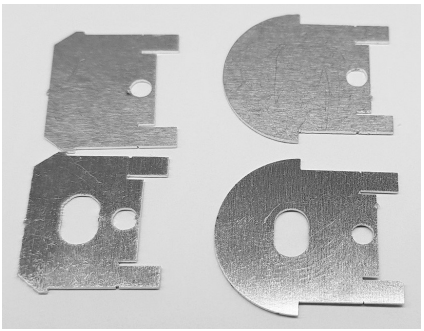
SATINATA

OPALINA

TRASPARENTE

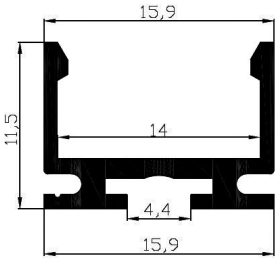
OPALINA 5%



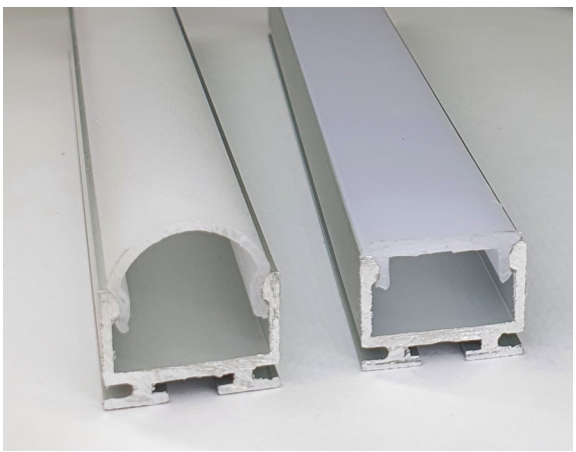


BARRA ALLUMINIO LUNGHEZZA MAX 4 METRI
SEZIONE 15,8MM H.11,5 CON TRACCIA PER OSPITARE CALAMITE
DI FISSAGGIO

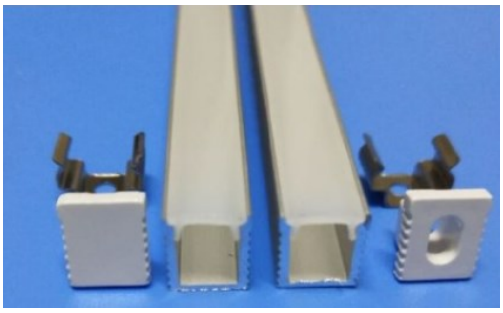


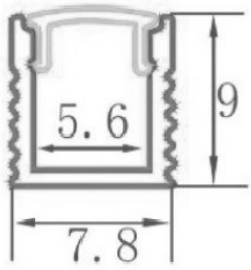






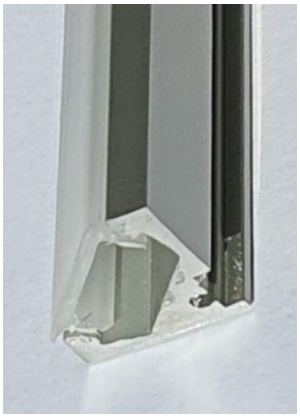
BARRA ALLUMINIO SEZIONE RIDOTTA METRI 2

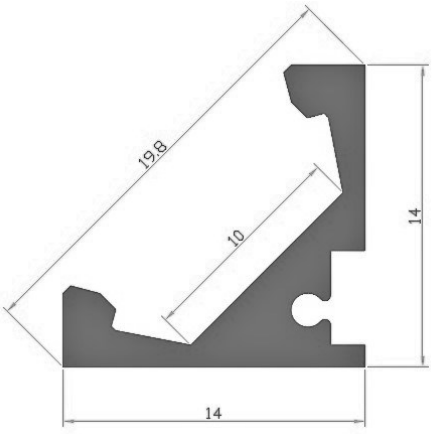




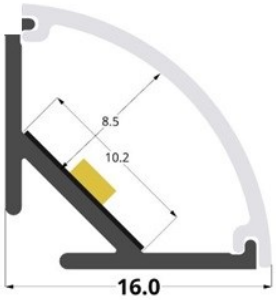
PROFILO ANGOLARE ALLUMINIO ANODIZZATO 14X14MM
COPERTURA (OPALINA /TRASPARENTE) PIANA OPPURE AD ARCO (SATINATA /OPALINA)
IN BARRE FINO A 4000MM CANALE PER OSPITARE CALAMITE DI FISSAGGIO





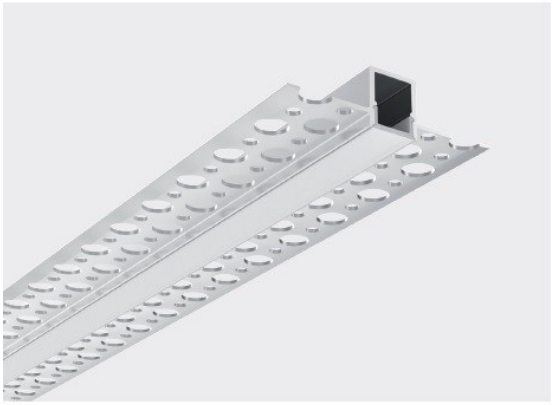




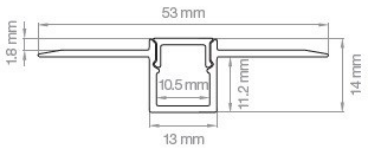


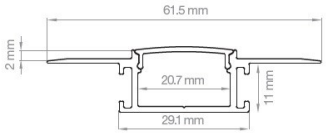
BARRA ALLUMINIO
ANGOLARE
COPURTURA: OPALINA
16X16
METRI 3

BARRA ALLUMINIO PER INCASSO CARTONGESSO E MURI

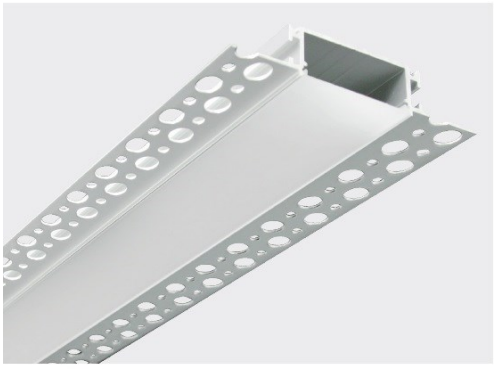


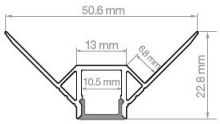


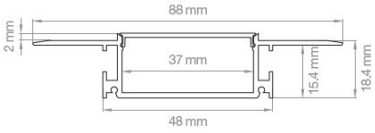


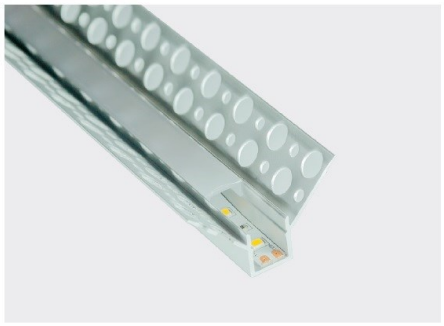




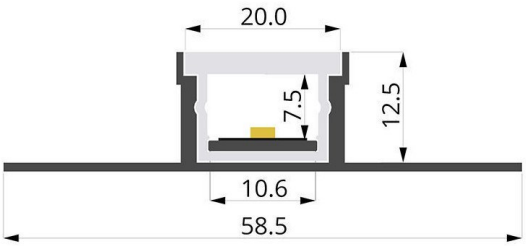


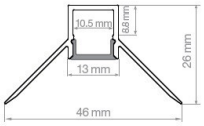


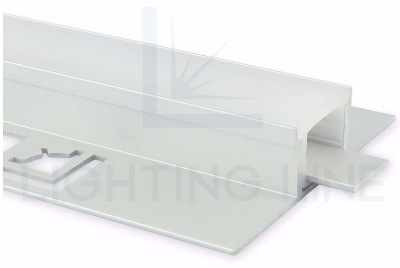


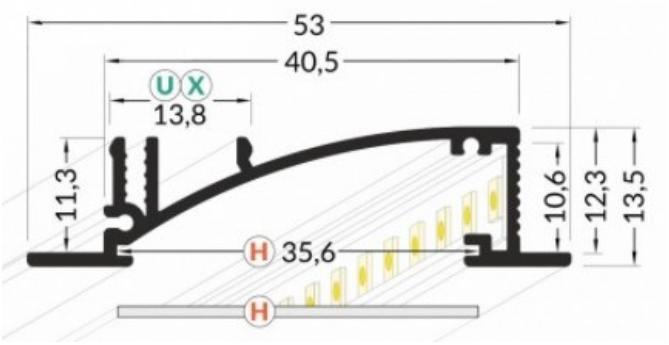


PROFILO PAVIMENTO/MURO







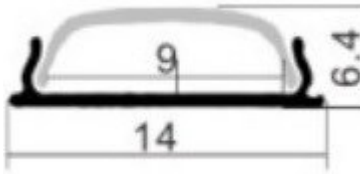


PROFILO BATTISCOPA LUMINOSO

BARRA ALLUMINIO PIEGHEVOLE CON SCHERMO,TAPPI,PIEDI DI FISSAGGIO



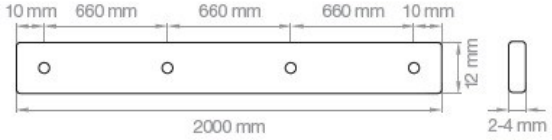




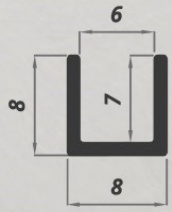


BARRA ALLUMINIO PIATTA PER DISSIPAZIONE BARRE LED
:
SPESSORE 2 MM DISSIPAZIONE FINO A 14,5W

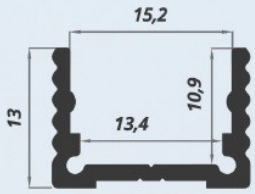
SPESSORE 4 MM DISSIPAZIONE FINO A 19,2W



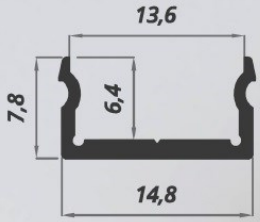
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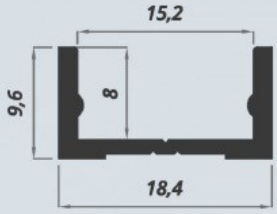
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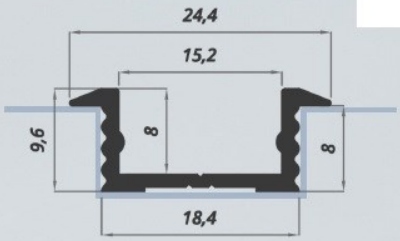
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MCLED0130

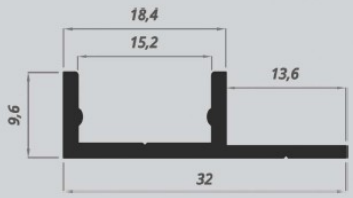


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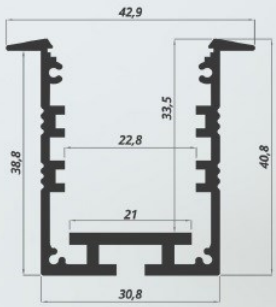


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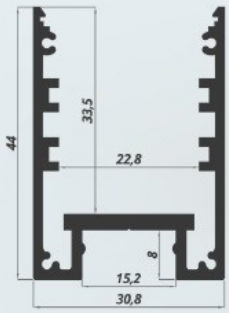
NEW



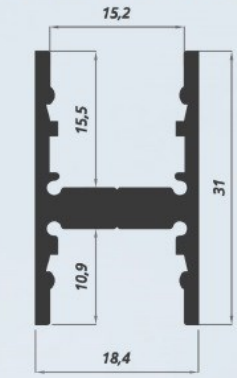
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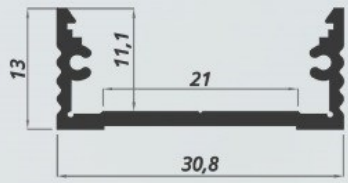
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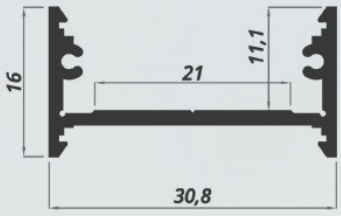
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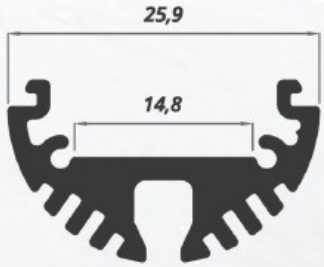
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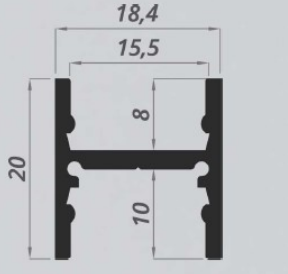
MCLED0122



MCLED0126

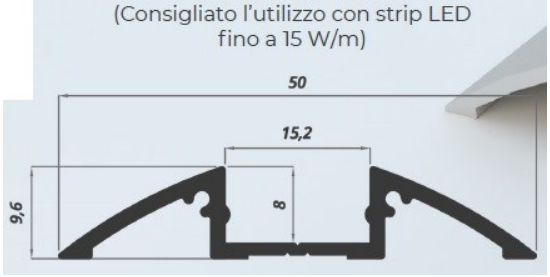


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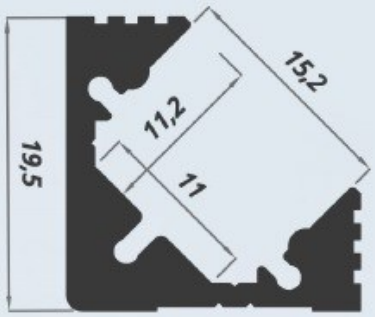


MCLED0150

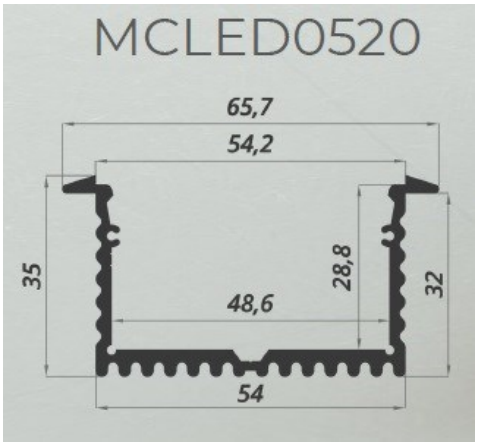
Profilo dissipatore led in alluminio
da parete
(Consigliato l'utilizzo con strip LED
fino a 15 W/m)



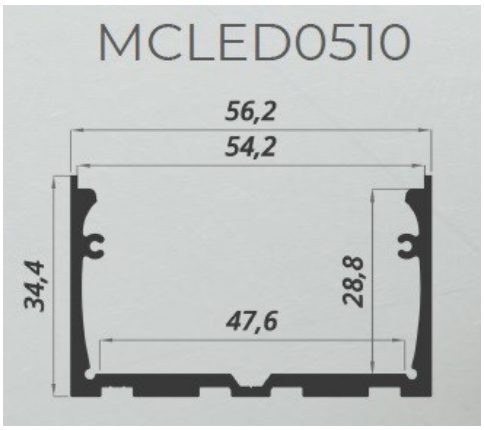
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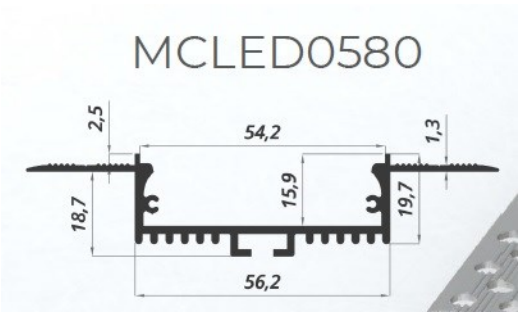
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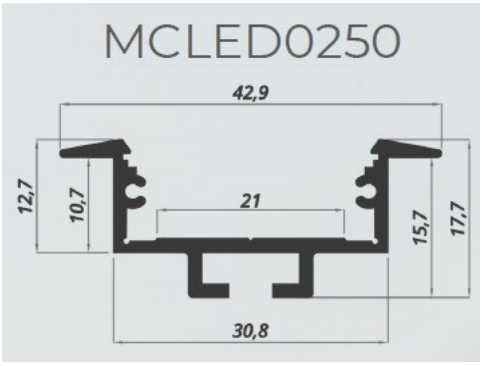
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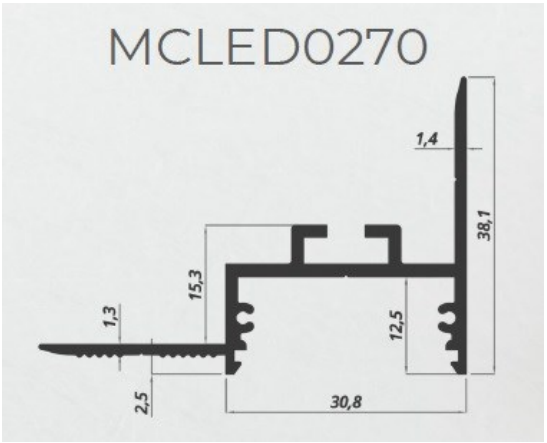
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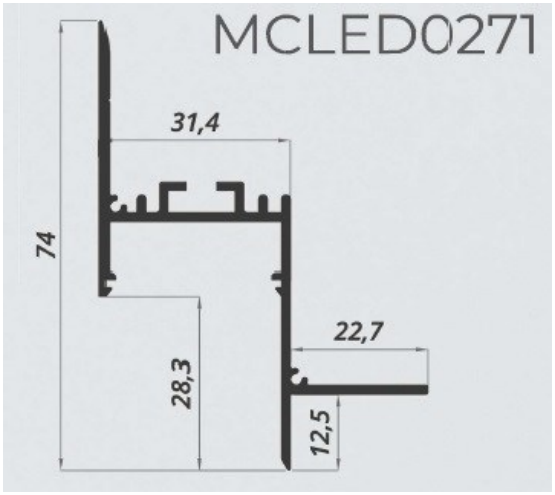
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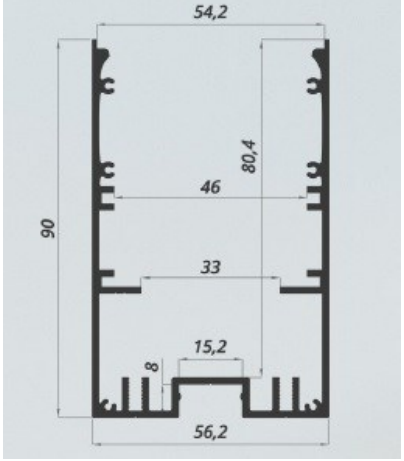
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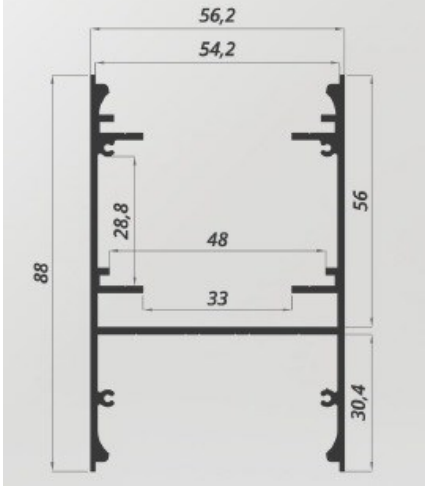
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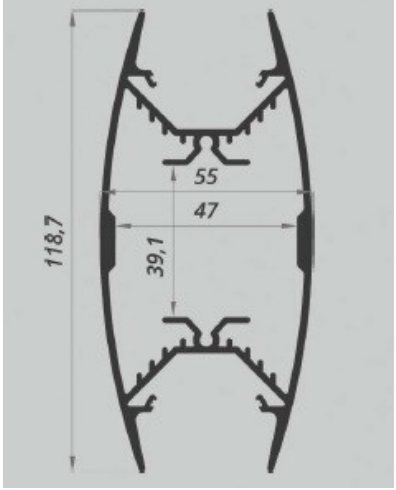
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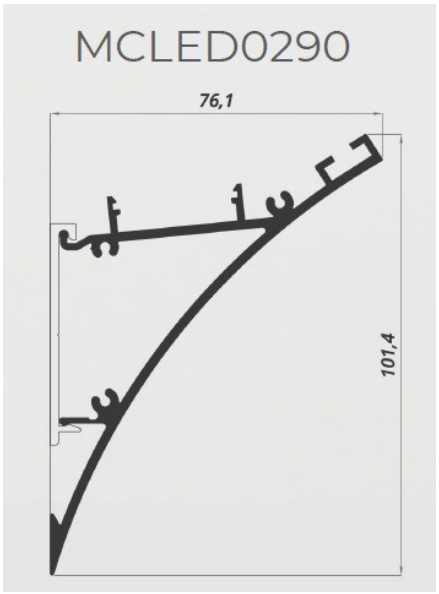
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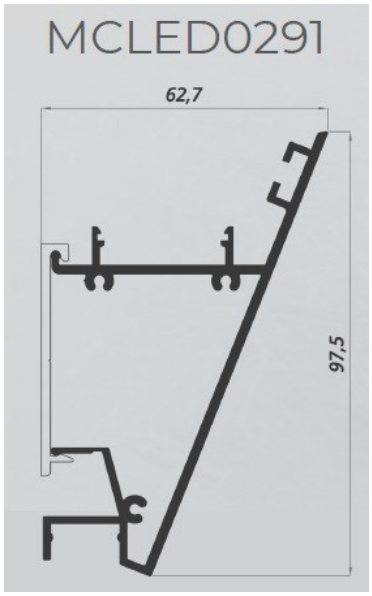
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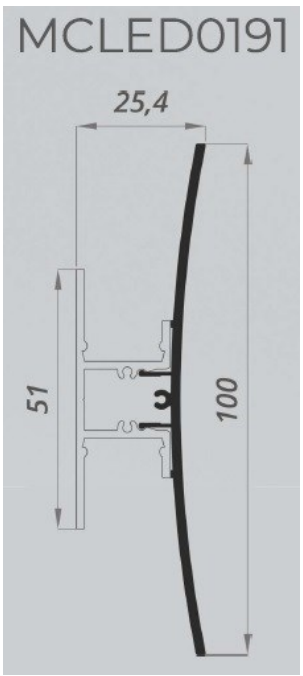
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MCLED0291

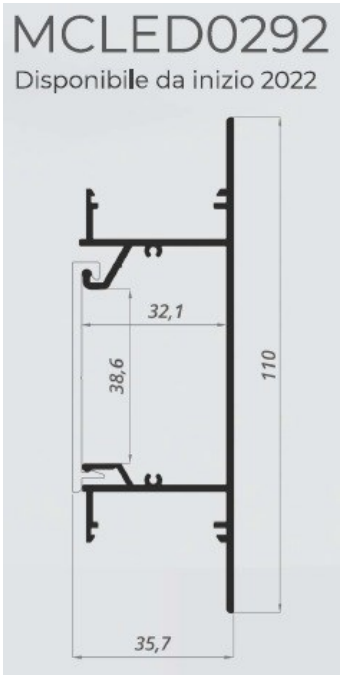


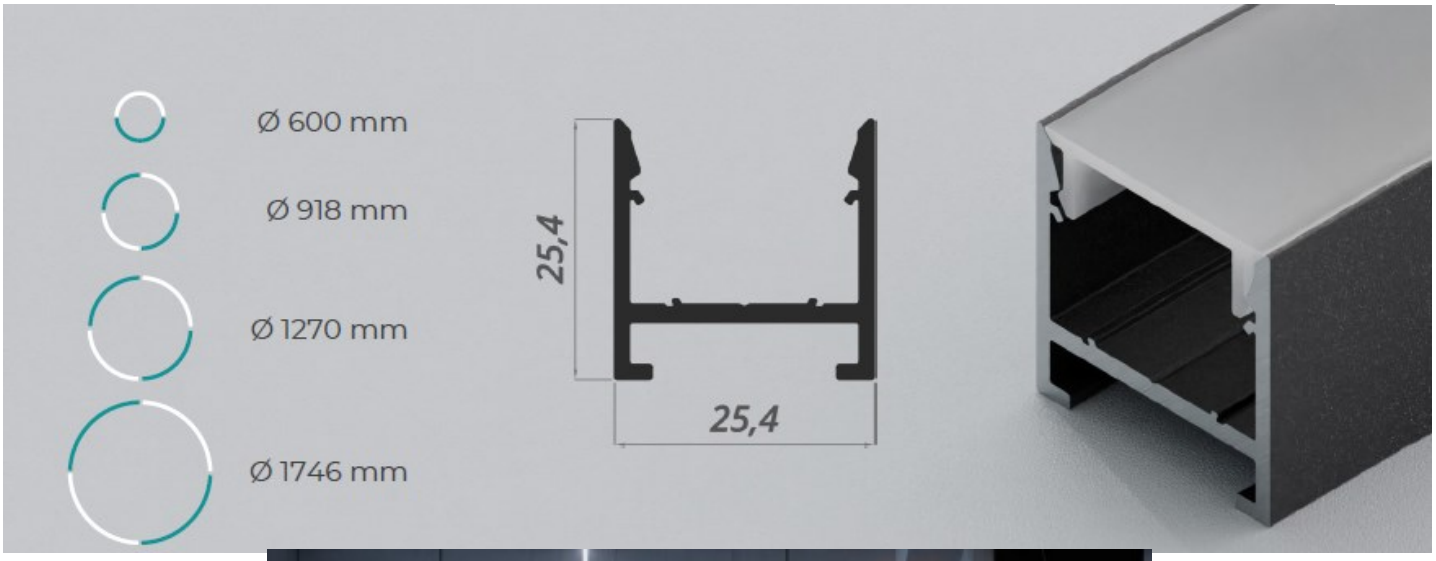
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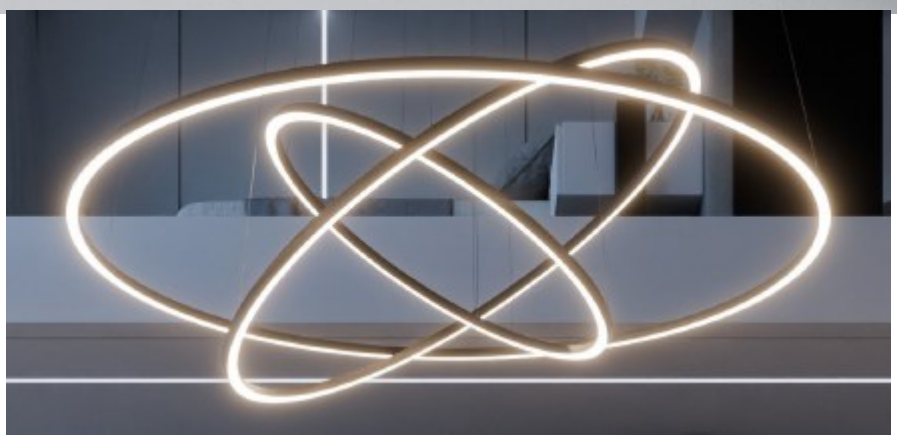


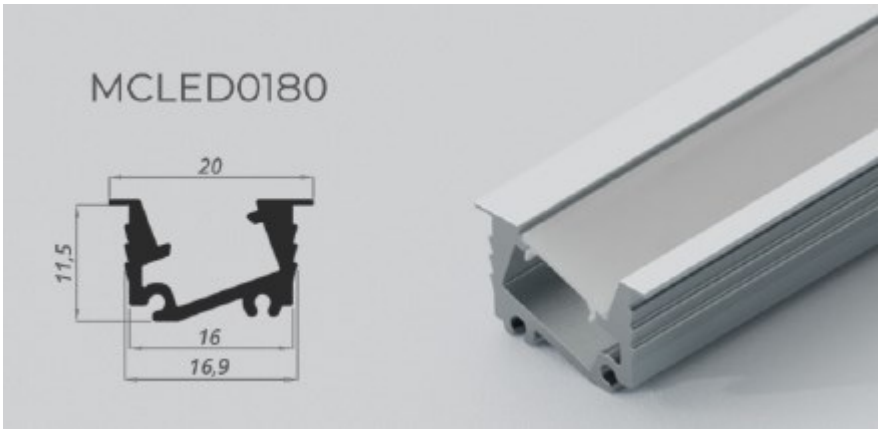
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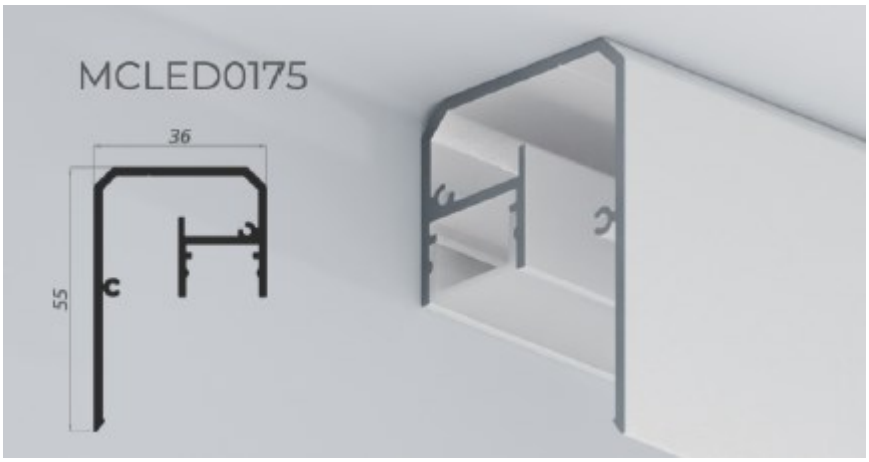
Disponibile da inizio 2022




Ø 600 mm
Ø 918 mm
Ø 1270 mm
Ø 1746 mm
25,4
25,4




MCLED0180
20
11,5
16
16,9


MCLED0175
36
55

DIMMER LED PWM



CENTRALINA RADIO
4 AMPERE PER CANALE

RGB



CENTALINA CON TELECOMANDO RADIO
12-24VDC
3/4/5 CANALI 6A
COMANDA RGB/RGB+W/RGB+ BIANCO DINAMICO

RGB

MPD 4CV HV



CENTRALINA
4 CANALI CONTROLLO MODULI LED RGB +WITE 4X8 AMPERE
1 CANALE DIMMERIZZAZIONE 1X32 AMPERE
USCITA 8/53VDC
DIMMERIZZAZIONE PVM
REGOLAZINE TRAMITE MULTI INGESSO:
PULSANTE NA/DALI/1-10V/0-10V/DMX 512/
BLUETOOTH 1/4 CANALE IOS-ANDROID APP
CONFIGURAZIONE MASTER O SLEVE
DIMENSIONI 4 POSIZIONI BARRA DIN



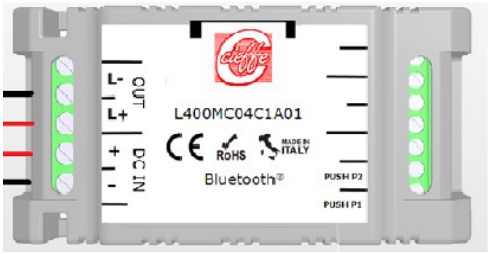
MPD 4CV
CENTRALINA PER DIMMERARE 4 CANALI,
OGNUNO DEI QUALI PORTA 6 LED A 350
MA/500MA/700 MA IN SERIE.
ALIMENTAZIONE 8/27 V DC
LA DIMMERIZZAZIONE PUO ESSERE FATTA:
PULSANTE/I NA ,0-10V 1-10V, DMX. 512,DALI
PUO ESSERE CONFIGURATA MASTER O SLEVE



AMPLIFICATORE SEGNALE DMX

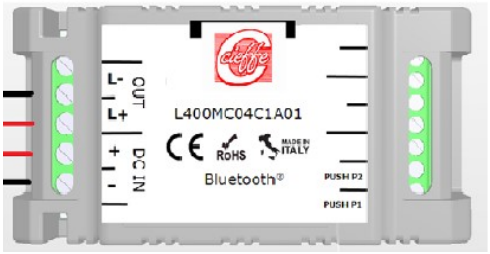
USCITA 2 CANALI

USCITA 3 CANALI



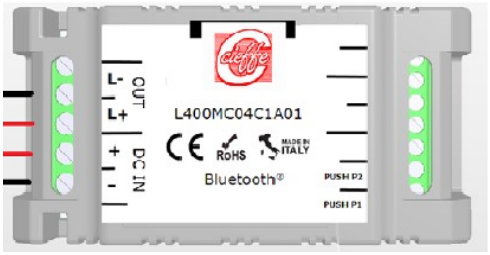
L400MA

CENTRALINA DIMMER PWM 12 AMPERE 8-53VDC
MODALITA' DI CONTROLLO:
0-10V ; 1-10V ; INGRESSO PUSH(ISOLATO) ;
DALI ; POTENZIOMETRO (100 KΩ);
INVERSIONE PWM USCITA
CURVA DI DIMMERIZZAZIONE LOGARITMICA/LINEARE



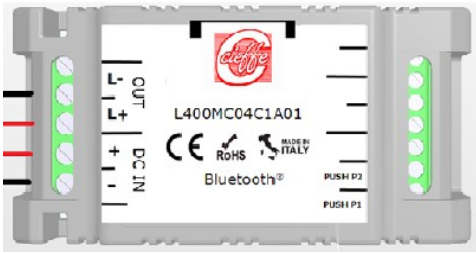
L400MC

CENTRALINA DIMMER PWM 12 AMPERE 8-53VDC
MODALITA' DI CONTROLLO:
0-10V ; 1-10V ; INGRESSO PUSH(ISOLATO) ;
DALI ; POTENZIOMETRO (100 KΩ); BLUETHOOT.
INVERSIONE PWM USCITA
CURVA DI DIMMERIZZAZIONE LOGARITMICA/LINEARE



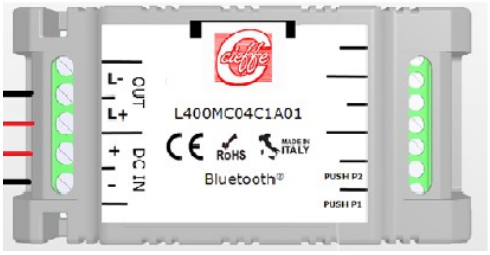
L440

CENTRALINA DIMMER PWM 2 CANALI 6 AMPERE 8-53VDC
MODALITA' DI CONTROLLO:
0-10V ; 1-10V ; INGRESSO PUSH(ISOLATO) ;
DALI ; POTENZIOMETRO (100 KΩ); BLUETHOOT.
INVERSIONE PWM USCITA
CURVA DI DIMMERIZZAZIONE LOGARITMICA/LINEARE



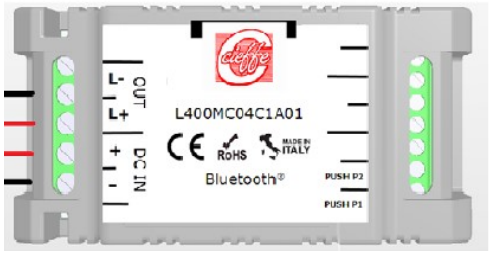
L440MA

DIMMER MONOCANALE CON USCITA IN TENSIONE PWM
RANGE ALIMENTAZIONE 8-53V DC 12 AMPERE
USCITE SINCRONIA:
1X DALI
1X PWM



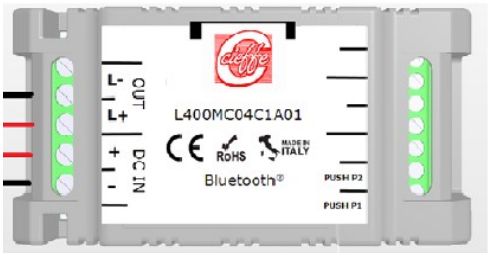
L410

DIMMER MONOCANALE CON USCITA IN TENSIONE PWM
RANGE ALIMENTAZIONE 10-53V DC
RIPETITORE SEGNALE PWM FINO A 12 AMPERE
RIGENERA PWM ANCHE A TENSIONE DIFFERENTE DA QUELLA D'ENTRATA



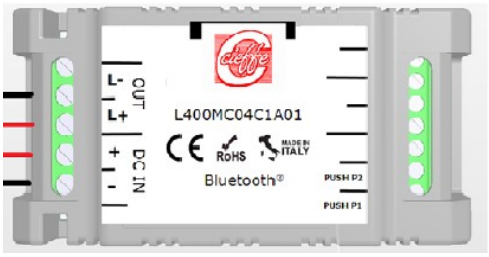
L458MA04T1A01

Dimmer monocanale in tensione WIFI/PUSH + DMX SU ARTNET
Dimmer Monocanale con Uscita in Tensione PWM.
Range di alimentazione: 8-53V DC.
Uscita in Tensione PWM 8-53V DC con corrente da 0A a 12A (576W a 48V DC).
Controllabile tramite app Android/iOS/Windows Newlab IoT.



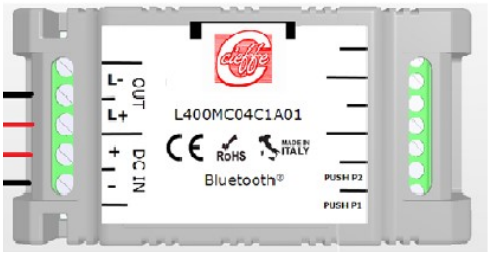
L526MA04R2A01

Doppio rele’¨ con controllo wifi e assistente vocale
Dispositivo con doppia uscita relè di tipo SSR in tensione alternata controllabili singolarmente tramite WIFI e/o pulsanti normalmente aperti.
2x2 ampere
Controllabile tramite app Android/iOS/Windows Newlab IoT.



L526MA04R2A02

WIFI ROLLUP SHUTTER
Dispositivo per la gestione di alzatapparelle controllabile tramite WIFI e/o



L607MA04D1A01

Convertititore WIFI-DALI broadcast + alimentatore del BUS DALI
Dispositivo convertitore Wifi DALI con interfaccia pulsante.
Controllabile tramite app Android/iOS/Windows Newlab IoT.



48x48x22,8 mm

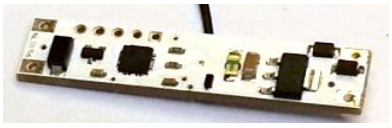
L665MA0FS1A01

FORREST-SPI è il primo dimmer Newlab dedicato al controllo delle strip led pixel to pixel. Il prodotto è integrabile all’interno di scatolette da incasso o muratura di qualunque serie civile. Alimentazione di ingresso: 5/12/24V DC 15A Max Ingressi di controllo: PUSH + SYNC Protocolli di trasmissione dati supportati: WS2811, WS2812, GS8208. Configurazione tramite Bluetooth low energy e App di controllo Forrest disponibile per iOS e Android. Possibilità di impostare i parametri di controllo, delle strip led, selezionandoli da una lista preconfigurata e testata da Newlab, oppure manualmente, scegliendo il tipo di protocollo e la modalità colore compatibile con la strip led installata. Impostazione del dimming tramite app Forrest oppure tramite pressione prolungata del pulsante. Possibilità di collegare più dimmer Forrest assieme per creare, in maniera semplice, effetti di accensione multipli.

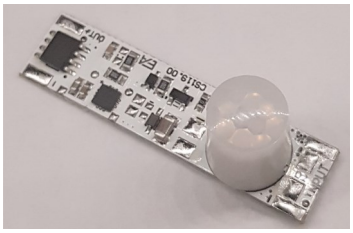


- LED dimmer a 5 canali per luci RGB, RGBW, RGB+CCT, bianco dinamico o monocromatiche
- LED dimmer con controllo da APP Tuya (mediante cloud) e Radiofrequenza
- APP Tuya: supporta ON/OFF; regolazione del colore e della temperatura di colore; regolazione
- intensità luminosa; ON/OFF ritardato; temporizzazione; scene; funzione “music play”
- APP Tuya: controllo vocale con Amazon ECHO
- Funzione convertitore da segnale WiFi a segnale RF per controllare da APP Tuya, in modo
- sincrono, altri dispositivi RF come dimmer o alimentatori SKYDANCE
- Controllo radiofrequenza: mediante controlli remoti 2.4GHz di Skydance
- Sincronizzabili con più radiocomandi

Codice	Articolo SKYDANCE	Descrizione
ETSK-WT5	WT5	Dimming TUYA ed RF 2.4GHz; 5 canali; 12-24V; 3A a canale



TOUCH DIMMER A SFIORAMENTO PVM
ALIMENTAZIONE 10/26V DC
4 AMPERE MAX

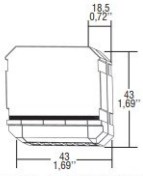


SENSORE INTERRUTTORE ON-OFF PIR
12-24VDC
4 AMPERE

TDS U1 DALI - CONVERTER PUSH/DALI 36 APPARECCHI

Push button control unit for LED lamps with DALI dimming
Dimmer con controllo a pulsanti per lampade LED con regolazione DALI





Weight - Peso gr. 35 / 1,23 oz.
Pcs - Pezzi 10

Article Articolo	Code Codice	I max.	Volt /Hz	ta °C
TDS U1 DALI	180429	110 mA	230 V / 50-60 Hz	-10...+45

CONVERTITORE COMANDO TELECOMANDO USCITA 4 CANALI DMX 512

- Mini-style RF 2.4G multi-pixel RGB or RGBW LED controller with DMX512 signal output.
- Send international standard DMX512/1990 signal to DMX512 decoders or RGB/RGBW LED lamps with DMX decode chip.
- Match with RF 2.4G RGB/RGBW remote control, such as R9.
- 32 kinds dynamic mode, include horse-race, chase, flow, trail or gradual change style.



CE RoHS emc LVD RED

DIMMER PER MODULI LED 230V
LAMPADE E27 ,GU10 LED
TRASFORMATORI ELET.TRONICI DIM. TAGLIO DI FASE
LAMPADE ALOGENE
80-230 VAC

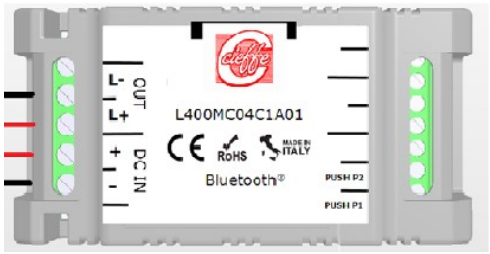
Load Type	Maximum Load	Remarks
Dimmable LED lamps	200W @ 220V 100W @ 110V	Due to variety of LED lamp designs, maximum number of LED lamps is further dependent on power factor result when connected to dimmer.
Triac Dimmable LED drivers	200W @ 220V 100W @ 110V	Maximum permitted number of drivers is 200W divided by driver nameplate power rating, and make sure the surge current is no more than 2 times 65A.
Incandescent lighting, HV Halogen lamps	400W @ 220V 200W @ 110V	





DIMMER PER MODULI LED 230V
LAMPADE E27 ,GU10 LED
TRASFORMATORI ELET.TRONICI DIM. TAGLIO DI FASE
LAMPADE ALOGENE
80-230 VAC
A 230VAC 220W ALOGENE-LED E TRASFORMATORI ELETTRONICI = 120W
REGOLAZIONE A PUNSANTE ISOLATO E BLOUTHOOT TRAMITE APP

DIMENSIONE FRUTTO SCATOLA 503
REF. L404



DIMMER PER MODULI LED 230V
LAMPADE E27 ,GU10 LED
TRASFORMATORI ELETTRONICI DIM. TAGLIO DI FASE
LAMPADE ALOGENE
80-230 VAC
A 230VAC 220W ALOGENE
LED E TRASFORMATORI ELETTRONICI = 120W
REGOLAZIONE TRAMITE PROTOCOLLO DALI
REF.L474



DIMMER PER MODULI LED 230V DIMMERABILI A TAGLIO DI FASE = 400W
LAMPADE E27,E14 ,GU10 LED 400W
TRASFORMATORI ELET.TRONICI DIM. TAGLIO DI FASE 230V 400W
LAMPADE ALOGENE A 230VAC 400W
REGOLAZIONE TRAMITE PULSANTE NA
REF.TCI 180426

DALI-230V-500W

NEW!

Ingresso PUSH
Uscita taglio di fase



PERCHÉ SCEGLIERLO

- Nessuna modifica all'impianto elettrico tradizionale

150x90x60 mm

CARATTERISTICHE TECNICHE

- Dimmer BARRA DIN, uscita taglio di fase con ingresso Push
- Uscita Leading Edge a mosfet
- Menù su Pulsante con possibilità di impostare: livello di minimo, curva logaritmica/lineare
- Funzione intensità massima su doppio click e luce notturna su pressione prolungata da spento
- **Led di segnalazione corretta alimentazione**
- Morsetti ingresso uscita 0,05÷2,5 mm² (30÷12 AWG)
- Protezione da: circuito aperto, picchi di tensione, corto circuito con fusibile interno 15A

CODICE	RANGE DI TENSIONE	POTENZA	USCITE	COMANDO	TIPO DI CARICO	PART NUMBER
DALI-230V-500W	80÷230 VAC	500W	1	**PUSH** / DALI	monocolore	L642MA03T1A01

DALI-230V-1KW

NEW!

Ingresso PUSH
Uscita taglio di fase



PERCHÉ SCEGLIERLO

- Nessuna modifica all'impianto elettrico tradizionale

150x90x60 mm

CARATTERISTICHE TECNICHE

- Dimmer BARRA DIN, uscita taglio di fase con ingresso Push
- Uscita Leading Edge a mosfet
- Menù su Pulsante con possibilità di impostare: livello di minimo, curva logaritmica/lineare
- Funzione intensità massima su doppio click e luce notturna su pressione prolungata da spento
- **Led di segnalazione corretta alimentazione**
- Morsetti ingresso uscita 0,05÷2,5 mm² (30÷12 AWG)
- Protezione da: circuito aperto, picchi di tensione, corto circuito con fusibile interno 15A

CODICE	RANGE DI TENSIONE	POTENZA	USCITE	COMANDO	TIPO DI CARICO	PART NUMBER
DALI-230V-1KW	80÷230 VAC	1000W	1	**PUSH** / DALI	monocolore	L642MB03T1A01

COMANDO ROTATIVO CON USCITA DALI



Rated Voltage
Tensione Nominale
AC 230 V

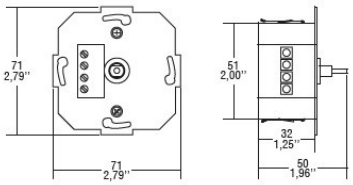
Frequency
Frequenza
50/60 Hz

Power consumption
Consumo di energia
max. 2,0 W

Standards compliance
IEC 62386-101/102

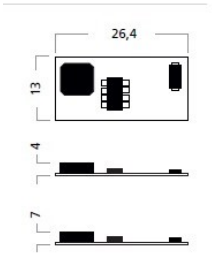
Article Articolo	Code Codice	DALI type	Power consumption Consumo di energia W	Output current Corrente in uscita mA	Power consumption Consumo di energia W	ta °C
DALI POWER POTI	180294	type 6	max. 2	max. 52	max. 2,0 W	-5...+45
DALI POWER POTI TW	180342	type 8	max. 2	max. 52	max. 2,0 W	-5...+45

Weight - Peso gr. 129 / 4,6 oz.
Pcs - Pezzi 1



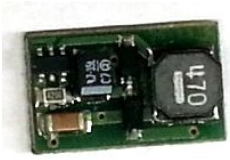
SCHEDINE DI CONVERSIONE



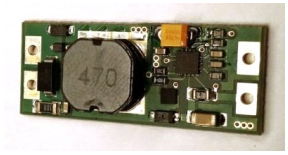


CARATTERISTICHE TECNICHE
TECHNICAL NOTES

- Circuito in vetronite dimensioni 25x12mm
- Range di alimentazione: 5-53V PWM
- Frequenza max PWM tensione ingresso: 350Hz
- Corrente di uscita: 350,500,700 o 1050mA ± 5% (vedi codici d'ordine)
- Tensione di uscita compresa tra 0 e (Vin - 1V)
- Protetto da inversione dell'alimentazione



L191 PIASTRINA INGRESSO 10/26V USCITA DC 350-500-700 MA
DIMMERABILE PWM
L408 PIASTRINA INGRESSO 5/53 V DC USCITA350-500-700-1050 MA
DIMMERABILE PWM



STEP UP L308
PIASTRINA ALIMENTAZIONE LED COB 180-250-330-500-700 MA
INPUT 24/28VDC OUTPUT MAX 35-42V DC
INPUT 10/14VDC OUTPUT MAX 22-26V DC

DIMMERABILE PVM



RILEVATORE DI PRESENZA
ANTA ENTRO LA MISURA DI 8 CM. DI DISTANZA.

MODELLO 1) IN 100-240VAC 5 AMPERE
MODELLO 2) IN 12-36VDC 8A



INTERRUTTORE
ANTA MOBILI
MECCANICO
BIANCO/NERO

LIGHTING SOLUTIONS



VOSSLOH SCHWABE

ALIMENTATORI LED A VOLTAGGIO COSTANTE IP20
24 VDC
20W
30W
60W
75W
120W
180W



VOSSLOH SCHWABE

ALIMENTATORI LED A VOLTAGGIO COSTANTE IP67
24 VDC
30W
75W
100W
150W
200W



VOSSLOH SCHWABE

ALIMENTATORI LED A VOLTAGGIO COSTANTE IP20
12 VDC
6W
12W
20W
60W
75W
100W



VOSSLOH SCHWABE

ALIMENTATORI LED A VOLTAGGIO COSTANTE IP67
12 VDC
30W
75W
100W
150W

LIGHTING SOLUTIONS



15W 350MA



Max. output W	Type	Ref. No.	Voltage 50–60 Hz V	Mains current mA	Inrush current A / µs	Current output DC mA (± 5%)	Voltage output DC (V)
ON/OFF							
10	ECXe 250.268	**186708**	220–240	55–50	8.4 / 300	250	20–40
12	ECXe 300.269	**186709**	220–240	66–60	8.4 / 300	300	20–40
Dimmable with phase-cut dimmer							
10	ECXd 250.270	**186710**	220–240	55–45	1.9 / 40	250	20–40
12	ECXd 300.271	**186711**	220–240	66–54	2.2 / 47	300	20–40

Max. output W	Type	Ref. No.	Voltage 50–60 Hz V	Mains current mA	Inrush current A / µs	Current output DC mA (± 8%)	Voltage output DC (V)	THD at full load % (230 V)	Efficiency at full load % (230 V)	Ripple 100 Hz %
4	ECXd 100.370	**186905**	220–240	23	0.41 / 50	100	29–40	13	78.5	21
6	ECXd 150.371	**186906**	220–240	33	0.72 / 49	150	29–40	12	80	24
8	ECXd 200.372	**186907**	220–240	44	0.77 / 56	200	29–40	12	81	26
10	ECXd 250.373	**186908**	220–240	52	1.15 / 38	250	29–40	11	84.5	19
14	ECXd 350.374	**186909**	220–240	72	1.83 / 23	350	29–40	10	85.5	21



24W 700MA
37W 700MA
40W 700MA
60W 1050MA
50W 700MA
75W 1050MA
100W 1400MA
125W 1700 MA
150W 2100MA
175W 2400MA
200W 2800MA
230W 3200MA



DIMMERABILI TAGLIO DI FASE
6W 150MA
10W 500MA
12W 250MA
18W 350MA
18/25/36W 700MA



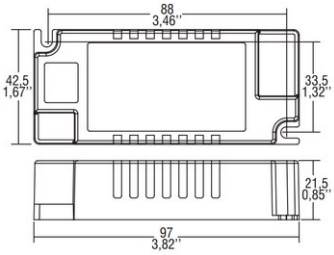
DIMMERABILI DALI
24-37W 350-700MA
34-40W 700MA
60W 1050MA
82W 700MA
90W 1000-1400MA
112W 700MA
126W 1050MA



DIMMERABILI 1-10V
24W 700MA
40W 700MA
75-150W 350-1050MA
75-100-150W 700MA
60W 1050MA

ALIMENTATORI TCI





TCI 127573

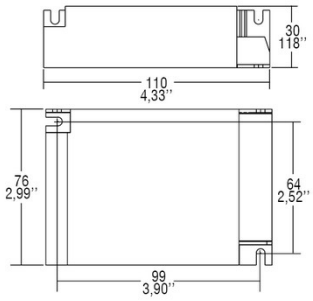
P out W	V out DC	I out DC
15	10...44	350 mA cost.
16	10...44	375 mA cost.
17	10...44	400 mA cost.
18	10...44	425 mA cost.
19	10...44	450 mA cost.
21	10...44	475 mA cost.
22	8...44	500 mA cost.
23	8...44	525 mA cost.
24	5...44	550 mA cost.
25	5...44	575 mA cost.
26	5...44	600 mA cost.
27	5...44	625 mA cost.
28	2...44	650 mA cost.
29	2...44	675 mA cost.
30	2...44	700 mA cost.
32	2...44	725 mA cost.

TCI 127575

P out W	V out DC	I out DC
13	15...44	300 mA cost.
15	15...44	350 mA cost.
18	13...44	400 mA cost.
20	11...44	450 mA cost.
22	10...44	500 mA cost.
24	9...43	550 mA cost.
27	8...43	600 mA cost.
29	8...43	650 mA cost.
31	7...43	700 mA cost.
32	6...42	750 mA cost.
33	6...42	800 mA cost.
35	6...42	850 mA cost.
38	6...42	900 mA cost.
40	6...42	950 mA cost.
40	5...40	1000 mA cost.
40	5...38	1050 mA cost.

TCI 122219





P out W	V out DC	I out DC
27	10...78	350 mA cost.
31	10...78	400 mA cost.
35	10...78	450 mA cost.
39	10...78	500 mA cost.
43	10...78	550 mA cost.
45	10...75	600 mA cost.
47	10...72	650 mA cost.
50	10...71	700 mA cost.
50	10...66	750 mA cost.
50	10...62	800 mA cost.
50	10...59	850 mA cost.
50	10...55	900 mA cost.
50	10...53	950 mA cost.
50	10...50	1 A cost.
50	10...48	1,05 A cost.



ALIMENTATORE LED 8W
350MA OPPURE 24VDC

ALIMENTATORE LED 6W
500 MA OPPURE 12VDC

ALIMENTATORE LED 6W
700 MA OPPURE 12VDC
DIMENSIONI:40X42 H22 MM.

ALIMENTATORI LED



ALIMENTATORE A VOLTAGGIO COSTANTE
SELV **IP67**

12V DC /24V DC/48VDC

40/60/80/100/150/200/240/320/480/600 W

100-240V AC **CE UR**



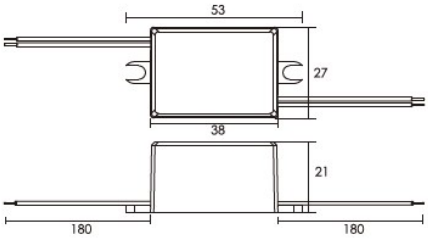
ALIMENTATORI SUPER RIBASSATI
VOLTAGGIO COSTANTE
12VDC 24VDC
6-8-12-15-20-30-50-60-75-100W
AMPERAGGIO COSTANTE
350-500-700 MA
6-8-12-15-20-30-50-60-75-100W
SELV
100W DIMENSIONI 312MMX30MM H 18,2MM





ALIMENTATORE A VOLTAGGIO COSTANTE 4W
12VDC 24VDC IP65

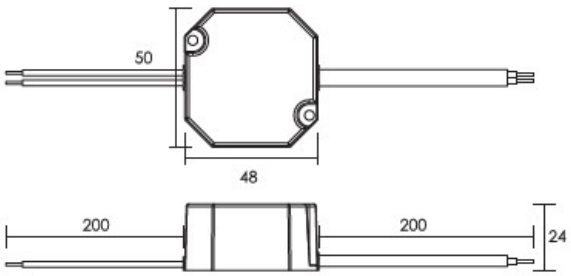
ALIMENTATORE A CORRENTE COSTANTE
350 MA-500MA-700MA
38X27 H21 MM





ALIMENTATORE A VOLTAGGIO COSTANTE IP65 **12W**
12VDC 24VDC

ALIMENTATORE A AMPERAGGIO COSTANTE IP65 **12W**
350MA 500MA
700MA





ALIMENTATORE A SPINA 12/24/36W

12/24V DC

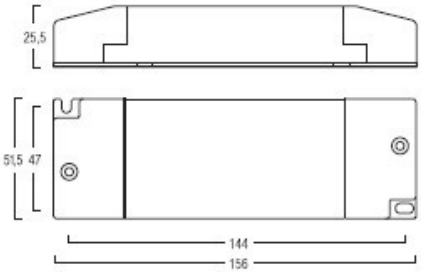
DALI, Push, 1-10V, 0-10V 9,2W-21,4W

200mA, 250mA, 350mA, 400mA, 500mA, 600mA, 700mA, 900mA, 12V, 24V

PFC ATTIVO - ACTIVE PFC

AL20DP





AL25D Hybrid

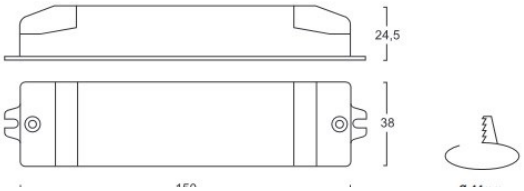
Dimmerazione ibrida, lineare/PWM
Hybrid dimming, linear/PWM

Multicorrente DALI, Push
Multicurrent DALI, Push

200-900mA

PFC ATTIVO - ACTIVE PFC



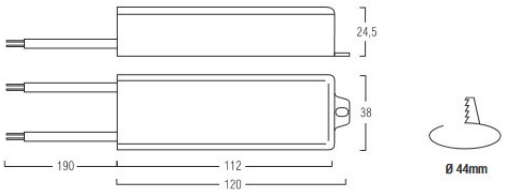


AL20MCH-IP

200mA	250mA	300mA	350mA	400mA	450mA	500mA	550mA	600mA	650mA	700mA
3-42V	3-42V	3-42V	3-42V	3-42V	3-42V	3-40V	3-36V	3-33V	3-30V	3-28V

PFC ATTIVO - ACTIVE PFC

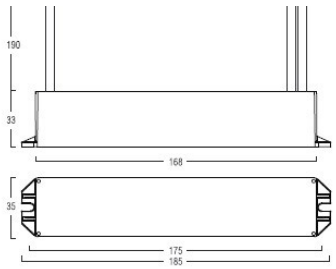




Imballo
Packaging

M M 100 SELV CE IP67





110 SELV CE DALI IP67

Corrente costante
Constant Current

	350mA	400mA	450mA	500mA	550mA
Tensione di alimentazione AC	220-240V	220-240V	220-240V	220-240V	220-240V
Tensione di alimentazione DC	176-280V	176-280V	176-280V	176-280V	176-280V
Frequenza di alimentazione	0/50/60 Hz	0/50/60 Hz	0/50/60 Hz	0/50/60 Hz	0/50/60 Hz
Corrente di alimentazione	120mA	140mA	150mA	170mA	180mA
Potenza in ingresso	22,5W	25,5W	28,5W	31,4W	34,4W
Fattore di potenza	>0,94 C	>0,94 C	>0,94 C	>0,95	>0,95
Rendimento massimo carico	87%	87%	87%	88%	88%
Massima corrente di uscita	350mA	400mA	450mA	500mA	550mA
Tensione di uscita	9-55V	9-55V	9-55V	9-55V	9-55V
Massima tensione a vuoto	60V	60V	60V	60V	60V
Potenza di uscita	19,3W	22W	24,8W	27,5W	30,2W

- Alimentatore indipendente
- Versione multicorrente per power LED, regolabile con rotary switch
- Dimmerabile (2-100%) DALI
- THD<10%;
- Protezione al surge 4KV modo differenziale
- Protezione al cortocircuito e sovraccarico, con restart automatico;
- Efficienza massima 90%;
- Lifetime alla Tc max, 50.000h
- Grado di protezione, IP67
- Cavi H05RN-F, L.190mm
- Classe di isolamento II



ALIMENTATORE AMPERAGIO COSTANTE
LCM DA2

350/500/600/700/900/1050 MA
25W-40W-60W

DIMMERABILE DALI 2 /PULSANTE

ALIMENTATORI 24VDC DIMMERABILI

AL25D/P

PRELIMINARY

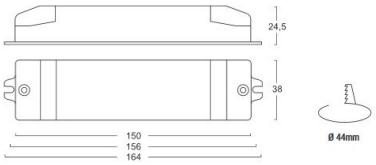
AL2512D/P
12V, 2.000mA

AL2524D/P
24V, 1.000mA

DALI, Push, 1-10V, 0-10V

PFC ATTIVO - ACTIVE PFC





Pending Pending

Imballo 25pz
Packaging 25pcs

- Alimentatore indipendente
- Versione a tensione costante
- Dimmerabile (2-100%) DALI, Push, 1-10V, 0-10V
- THD<10%;
- Protezione al cortocircuito e sovraccarico, con restart automatico;
- Efficienza massima 87%;
- Lifetime alla Tc max, 50.000h
- Grado di protezione, IP20
- Morsetti a molla, 2,5mmq
- Classe di isolamento, II
- Conformità alle norme EN61347-2-13, EN61347-1, EN62384, EN55015, EN61000-3-2, EN61547
- Independent driver

Tensione costante
Constant Voltage

	AL2512D/P	AL2524D/P
Tensione di alimentazione AC	220-240V	220-240V
Tensione di alimentazione DC	176-280V	176-280V
Frequenza di alimentazione	0/50/60 Hz	0/50/60 Hz
Corrente di alimentazione	150mA	150mA
Fattore di potenza	>0,95	>0,95
Massima corrente di uscita	2.000mA	1.000mA
Tensione di uscita	12V	24V
Massima tensione a vuoto	12V	24V
Potenza di uscita	24W	24W
Temp. ambiente massima Ta	-25÷ 50° C	-25÷ 50° C
Temperatura max sul punto Tc	80°	80°
Peso	0,18 Kg	0,18 Kg

ALIMENTATORI DIMMERABILI PER LED
Dimmable LED power supply

MADE IN ITALY

AL75D/P

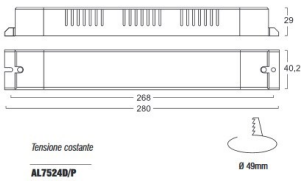
PRELIMINARY

AL7524D/P DALI, Push, 1-10V, 0/10V

24V, 3.125mA

PFC ATTIVO - ACTIVE PFC





Imballo 30pz
Packaging 30pcs

- Alimentatore indipendente
- Rifasamento attivo
- Versione a tensione costante per moduli LED
- Dimmerabile DALI, Push, 1-10V, 0-10V
- Grado di protezione, IP20
- Morsetti IN: a vite 2,5mmq
- Morsetti OUT: a molla 1,5mmq
- Classe di isolamento, II
- THD <15%
- Protezione al surge 4KV modo differenziale
- Protezione al cortocircuito, sovraccarico, circuito aperto e termica
- Elevato rendimento con minima dispersione di calore ed assoluta affidabilità nel tempo
- Durata nominale 50.000h a tc max
- Conformità alle norme EN61347-2-13, EN61347-1, EN62384, EN62384, EN55015, EN61000-3-2, EN61547

Tensione costante

	AL7524D/P
Tensione di alimentazione AC	220-240V
Tensione di alimentazione DC	176-276V
Frequenza di alimentazione	0 / 50/60 Hz
Corrente di alimentazione	440mA
Potenza in ingresso	83,3W
Fattore di potenza a carico massimo	>0,96
Efficienza a pieno carico	>90%
Corrente di uscita	3.125mA max
Regolazione corrente/tensione di uscita	±3%
Tensione di uscita	24V
Massima tensione a vuoto	26V
Potenza di uscita	75W
Ripple Vled a pieno carico	<3%
Temp. ambiente massima Ta	-25÷ 50° C
Temperatura max sul punto Tc	75°

VOSSLOH

ComfortLine 24 V L DALI2



Produkteigenschaften
- Kompakte Gehäusebauform
- Einsatz im mittleren und hohen Leistungsbereich bis zu 45, 80, 150 W und 250 W

Elektrische Eigenschaften
- Spannungsversorgung: 220–240 V ±10 %
- Netzfrequenz: 50–60 Hz
- Steckklemmen: 0,5–1,5 mm²
  1-2.5 mm² für 250W Ausgang
- Leistungsfaktor bei Volllast: > 0,95 C
- SVM: < 0,4
- PstLM: < 1

Sicherheitseigenschaften
- Schutz gegen Netztransienten
- Elektronischer Kurzschlussschutz
- Überlastschutz: reversibel
- Leerlauffest
- Schutzart: IP20
- Schutzklasse II
- SELV

45W
80W
150W
240W

Dimming
PWM

Angewandte Normen
- EN 61347-1
- EN 61347-2-13
- EN 61547
- EN 61000-3-2
- EN 62384
- EN 55015
- EN 62386 ed. part 101/102/207

ACTEC

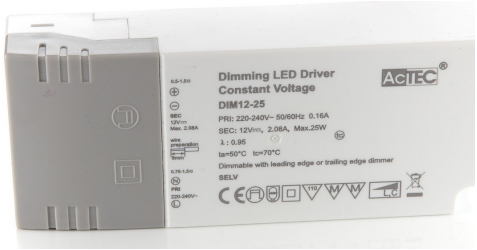


- Driver CV tipo Ballast (linetype)
- Funzioni dimming “DALI-2” e “PUSH”
- Vout 48Vdc
- Potenza nominale che va da 75W a 240W (75W; 100W; 150W; 200W; 240W)
- Alimentazione 198-264Vac
- Tensione di uscita 24Vdc o 48Vdc
- Uscita PWM con frequenza 20KHz
- DALI-2 certificato
- Funzione Switch-Dim (Push)
- Dimming range 0,1 ~ 100%
- Connessioni con morsetti a molla
- Design tipo Ballast, super sottile
- Classe II
- Idonei ad essere impiegati in sistemi di luci di emergenza (EN60598-1)
- Protezioni: circuito aperto, corto circuito, sovraccarico, sovratemperatura
- Certificato per le applicazioni lighting



ALIMENTATORI 24VDC
60/90/100/200W
DIMMERABILI PWM DALI 2
IP 65

ALIMENTATORI 12-24VDC DIMMERABILI A TAGLIO DI FASE



Model No. 型号	Input voltage 额定电压 (V)	Max. output 功率 (W)	Output current 输出电流 (A)	Output voltage 输出电压 (V)	Power factor 功率因数 (λ)	Efficiency full load 效率 (%)	Ambient temperature 环境温度 t_a (°C)	Max. casing temperature 最大外壳温度 t_c (°C)	Isolation 隔离	Dimensions LxWxH 尺寸 (mm)	Weight 重量 (g)
DIM12-25	220-240	25	0.2-2.08	12	0.95	83	-20...+50	70	SELV	128x52x30	110
DIM24-25	220-240	25	0.1-1.04	24	0.95	85	-20...+50	70	SELV	128x52x30	110

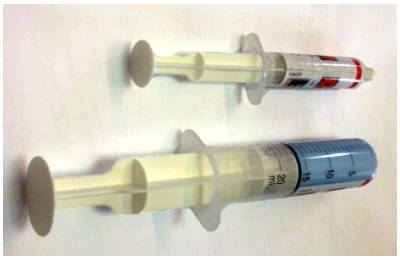


Model No. 型号	Input voltage 额定电压 (V)	Max. output 功率 (W)	Output current 输出电流 (A)	Output voltage 输出电压 (V)	Power factor 功率因数 (λ)	Efficiency full load 效率 (%)	Ambient temperature 环境温度 t_a (°C)	Max. casing temperature 最大外壳温度 t_c (°C)	Isolation 隔离	Dimensions LxWxH 尺寸 (mm)	Weight 重量 (g)
DIM12-50	220-240	50	1.0-4.16	12	0.95	84	-20...+50	70	SELV	184x61x32	240
DIM24-50	220-240	50	0.5-2.08	24	0.95	86	-20...+50	70	SELV	184x61x32	240
DIM12-100	220-240	100	2.7-8.3	12	0.95	89	-20...+45	80	SELV	210x67x34	360
DIM24-100	220-240	100	1.4-4.2	24	0.95	91	-20...+45	80	SELV	210x67x34	360



Model No. 型号	Input voltage 额定电压 (V)	Max. output 功率 (W)	Output current 输出电流 (A)	Output voltage 输出电压 (V)	Power factor 功率因数 (λ)	Efficiency full load 效率 (%)	Ambient temperature 环境温度 t_a (°C)	Max. casing temperature 最大外壳温度 t_c (°C)	Isolation 隔离	Dimensions LxWxH 尺寸 (mm)	Weight 重量 (g)
V2-100-12T	220-240	100	2.7-8.3	12	0.95	89	-20...+50	80	SELV	191x70x40	980
V2-100-24T	220-240	100	1.4-4.2	24	0.95	91	-20...+50	80	SELV	191x70x40	980
V2-200-12T	220-240	200	5.5-16.7	12	0.95	90	-20...+50	80	SELV	249x72x40	1240
V2-200-24T	220-240	200	2.7-8.3	24	0.95	91	-20...+50	80	SELV	249x72x40	1240

ADESIVI A TRASFERIMENTO TERMICO



BIADESIVO A TRASFERIMENTO TERMICO



LIGHTING SOLUTIONS



SOPPRESSORE PICCHI SOVRATTENSIONI
Per moduli led 230-240vac

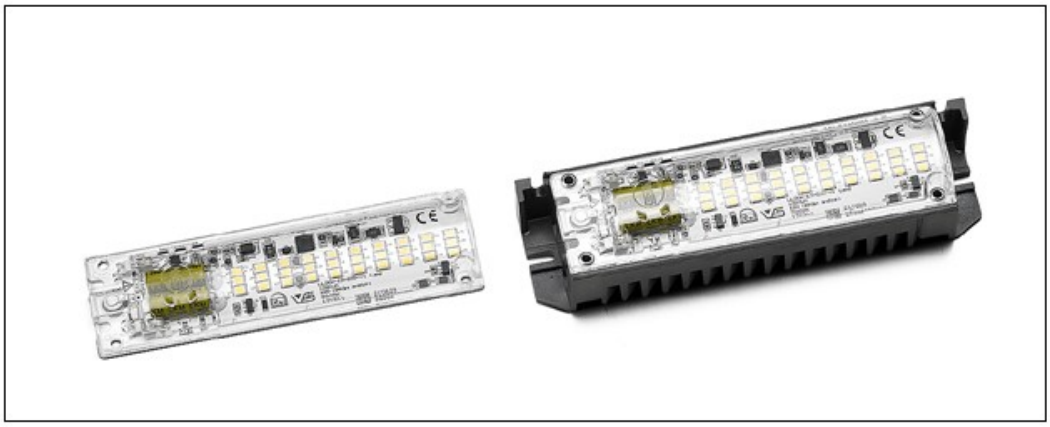
PLACCA LED DISCO ALIMENTAZIONE 230V AC

10/16W CRI90
990/1535 LUMEN
DIAMETRO DISSIPATORE 120 MM H 25 MM
COPERTURA TRASPARENTE,OPALINA
2700K 3000K 4000K

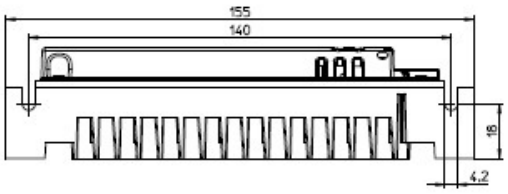


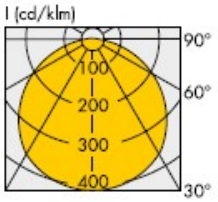
DIMMERABILE TAGLIO DI FASE

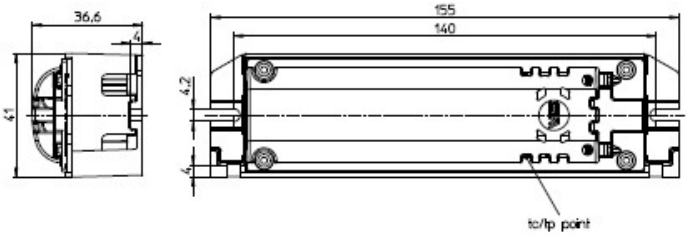
LIGHTING SOLUTIONS



With heat sink







PLACCA LED MUNITA DI DISSIPATORE
ALIMENTAZIONE 230V AC
8W 695 LUMEN
13W 1075 LUMEN
2700k 3000k 4000k
DIMMERABILE TAGLIO DI FASE

Containing product ReadyLine S-E Type	Light Source Type	EPREL Regi. No.	EE Class
LL30W-8W-C-927	LL30W-8-927-V1	995841	F
LL30W-8W-C-930	LL30W-8-930-V1	995906	F
LL30W-8W-C-940	LL30W-8-940-V1	995941	F
LL30W-13W-C-927	LL30W-13-927-V1	994929	F
LL30W-13W-C-930	LL30W-13-930-V1	995606	F
LL30W-13W-C-940	LL30W-13-940-V1	995750	F

LED COB 220-240VAC 50-60HZ

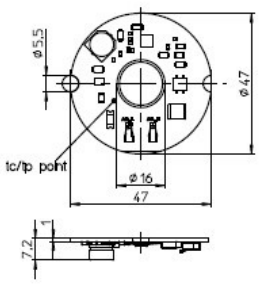




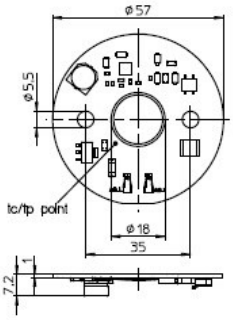
DIAMETRO 47MM
4/6/8/10W
CRI 90
2700K/3000K/4000K

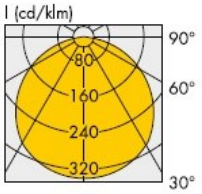
DIAMETRO 57MM
8/10/12/15/20W
CR 90
2700K/3000K/4000K

EDC_47C



EDC_57C

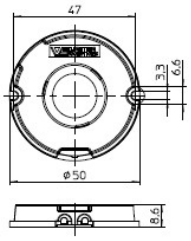




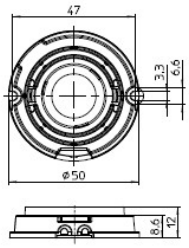
DIMMERABILE TAGLIO DI FASE

LIGHTING SOLUTIONS

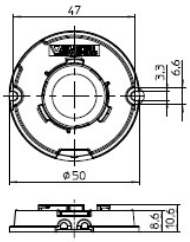
EDC_47C_Holder



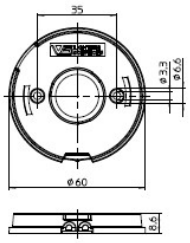
EDC_47C_Holder_PLUS/EVOLVE



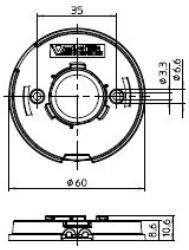
EDC_47C_Holder_EVO



EDC_57C_Holder



EDC_57C_Holder_EVO

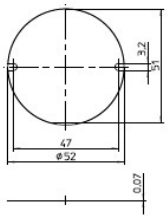


Thermal pads

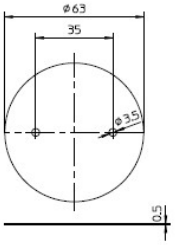
Thermal conductivity λ: 2 W/mK

Type	Ref. No.	Dimensions (ØxH) mm	Pack. unit pcs.
47C	**572150**	52 x 0.07	100
57C	**559883**	63 x 0.5	100

47C



57C





PARABOLE PER MODULI
A TENSIONE DI RETE

EPREL Information

Light source Type	EPREL Reg. No.	EE Class
EDC_47C_4W_927	1122128	G
EDC_47C_4W_930	1122752	G
EDC_47C_4W_940	1123037	F
EDC_47C_6W_927	1123130	G
EDC_47C_6W_930	1123141	G
EDC_47C_8W_927	1125386	G
EDC_47C_8W_930	1125499	F
EDC_47C_8W_940	1125848	F
EDC_47C_10W_927	1125947	G
EDC_47C_10W_930	1126025	F
EDC_47C_10W_940	1126101	F

Light source Type	EPREL Reg. No.	EE Class
EDC_57C_10W_927	1146097	F
EDC_57C_10W_930	1146128	F
EDC_57C_10W_940	1146139	F
EDC_57C_12W_927	1146154	G
EDC_57C_12W_930	1146175	F
EDC_57C_12W_940	1146198	F
EDC_57C_15W_927	1146331	F
EDC_57C_15W_930	1146405	F
EDC_57C_15W_940	1146472	F

ORDINABILE ANCHE VERSIONE 120V

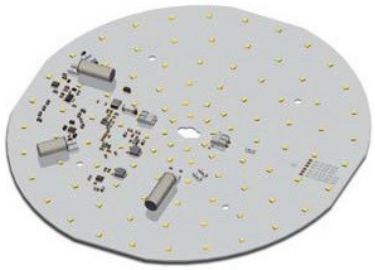
LIGHTING SOLUTIONS



Moduli LED 220-240vac 50-50hz
ReadyLine DL 160 diametro

20W
WU-M-498-830 557252 220–240 bianco caldo 3000 k 2000 lumen 120° cri 80 A+
WU-M-498-840 557253 220–240 bianco neutro 4000 k 2200 lumen 120° cri 80 A++
WU-M-498-850 557254 220–240 4bianco freddo 5000 k 2500 lumen 120 ° cri 80 A++

DIMMERABILE TAGLIO DI FASE



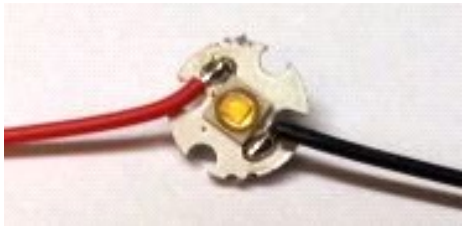
Moduli LED
ReadyLine DL 250 diametro

30W
WU-M-539-830 562163 220–240 bianco caldo 3000 k3300 lumen 120° cri 80 A+
WU-M-539-840 562164 220–240 bianco neutro 4000 k 3500 lumen 120° cri 80 A+
WU-M-539-850 562165 220–240 9bianco freddo 5000 k 3500 lumen 120° cri 80 A+
ReadyLine DL – Per illuminazione di emergenza
WU-M-539-830-EM 561882 220–240 bianco caldo 3000 k 3300 lumen 120° cri 80 A+
WU-M-539-840-EM 561883 220–240 bianco neutro 4000 k 3500 lumen 120° cri 80 A+
WU-M-539-850-EM 562166 220–240 bianco freddo 5000 k 3500 lumen 120° cri 80 A

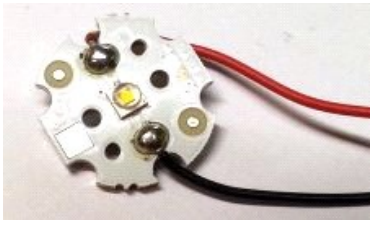
DIMMERABILE TAGLIO DI FASE



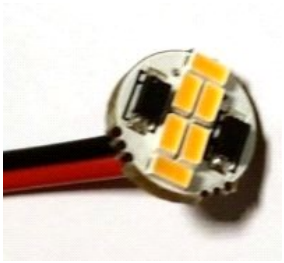
563858 WU-M-538 168.5 21.7 92 158.4
563859 WU-M-539 255.5 22.2 111.7 244.2
SCHERMI TRASPARENTI/SATINATI



PIASTRINA DIAM.10MM
350/500/700 MA 12/24VDC

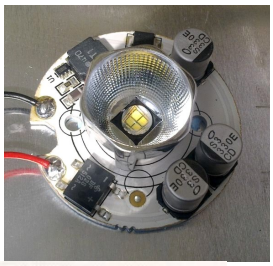


PIASTRINA DIAM.20MM
350/500/700 MA



PIASTRINA DIAM.10MM

24V DC 1,2W

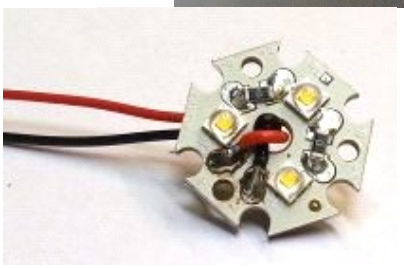


7W
12V

3200K
4000K
5600K
6500K



PIASTRA 3 LED XP
12VDC
38X13MM



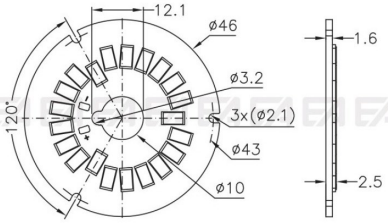
TRITTICO
DAM.20MM
350/500/700MA

12VDC



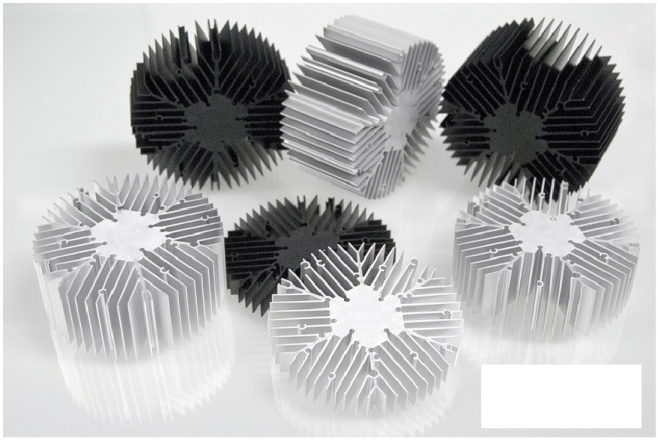
BARRETTA 10X95 MM 10W 1000 LUMEN 700MA CIP LED 5630
BARRETTA 10X200 MM 20W 2000 LUMEN 700MA CIP LED 5630



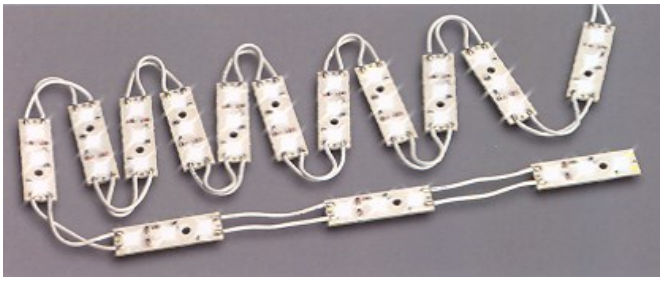


CC Input (mA)	V_F Typ (V)	Power Typ (W)
350	8.3	2.9
500	8.4	4.2
700	8.7	6.1
1050	9.2	9.7

3000K	2.9	516	C	417	E
	4.2	727	C	587	E
	6.1	983	D	794	E
	9.7	1386	E	1119	F



DISSIPATORE MODULI LED



CATENA LED

3 MT.

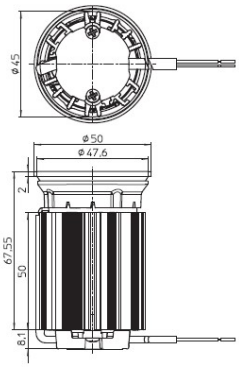
COLORI: BIANCO 5400K,ROSSO,VERDE,BLU, GIALLO

MODULI LED PER SOSTITUZIONE LAMPADE MR 16

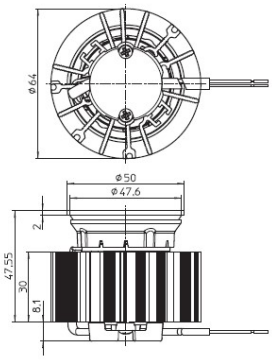


LIGHTING SOLUTIONS

A – up to 300 mA



B – up to 350 mA



Type	Ref. No.	Colour	Correlated colour temperature K	Typ. luminous flux and efficiency at 250 mA lm	lm/W	300 mA lm	lm/W	CRI R_a	Energy efficiency at max. current
LEDSpot Engine S123/S124 up to 300 mA – Drawing A									
Engine S123 300mA	**567043**	warm white	2700	890	102	1035	98	95	A+
Engine S124 300mA	**567044**	warm white	3000	1000	119	1180	115	95	A++
Engine S124 300mA	**567045**	neutral white	4000	1105	132	1300	126	95	A++

Production tolerance of luminous flux and efficiency: ± 10%

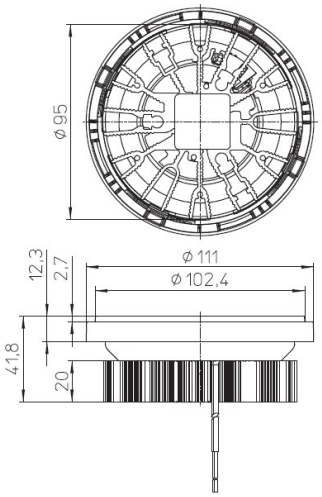
Type	Ref. No.	Colour	Correlated colour temperature K	Typ. luminous flux and efficiency at 250 mA lm	lm/W	300 mA lm	lm/W	350 mA lm	lm/W	CRI R_a	Energy efficiency at max. current
LEDSpot Engine S123/S124 up to 350 mA – Drawing B											
Engine S123 350mA	**567051**	warm white	2700	890	102	1035	98	1175	94	95	A+
Engine S124 350mA	**567052**	warm white	3000	1000	119	1180	115	1355	112	95	A+
Engine S124 350mA	**567053**	neutral white	4000	1105	132	1300	126	1500	124	95	A+

LAMPADE 111 LED 2280/3835 LUMEN

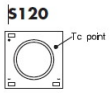


LIGHTING SOLUTIONS

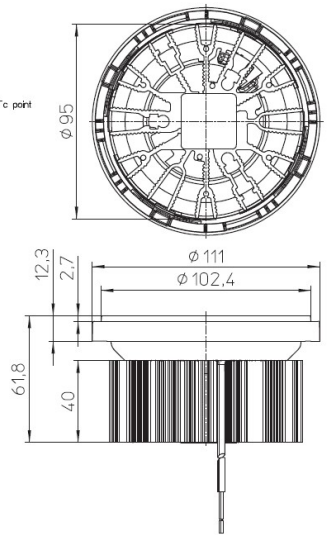
Heat sink 20 mm



S120



Heat sink 40 mm



Evolve 111 LUGA Gen. 7

Optical characteristics

at t_p = 65 °C

Type	Ref. No. for black LEDSpots	Ref. No. for white LEDSpots	Colour	Correlated colour temperature K	Typ. luminous flux and typical voltage ($U_{typ.}$) and power consumption (P_{el})* 350 mA lm	350 mA lm/W	500 mA lm	500 mA lm/W	Light intensity at max. current Candela	Beam angle °	CRI R_a	Energy efficiency at max. current
Type S126 **Heat sink height = 20 mm**					P_{el} = 11.7 W V_f = 33.3 V		P_{el} = 17.1 W V_f = 34.2 V					
Evolve 111 S126W	**568973**	**568979**	warm white	3000	1590	136	2180	127	17000	14°	85	A++
Evolve 111 S126W	**568976**	**568982**	neutral white	4000	1640	140	2250	132	17650	14°	85	A++
Evolve 111 S126W	**568974**	**568980**	warm white	3000	1610	138	2210	129	6350	28°	85	A++
Evolve 111 S126W	**568977**	**568983**	neutral white	4000	1660	142	2280	133	6600	28°	85	A++
Evolve 111 S126W	**568975**	**568981**	warm white	3000	1650	141	2265	132	4600	35°	85	A++
Evolve 111 S126W	**568978**	**568984**	neutral white	4000	1700	145	2340	137	4800	35°	85	A++
Evolve 111 S126W	**569427**	**569429**	warm white	3000	1610	138	2210	129	2280	60°	85	A++
Evolve 111 S126W	**569428**	**569430**	neutral white	4000	1660	142	2280	133	2350	60°	85	A++

* Production tolerance of luminous flux, voltage and power consumption: ±10%
Versions with other colour temperature, CRI 95 or pearl white on request

Optical characteristics

at t_p = 65 °C

Type	Ref. No. for black LEDSpots	Ref. No. for white LEDSpots	Colour	Correlated colour temperature K	Typ. luminous flux and typical voltage ($U_{typ.}$) and power consumption (P_{el})* 600 mA lm	600 mA lm/W	700 mA lm	700 mA lm/W	800 mA lm	800 mA lm/W	Light intensity at max. current Candela	Beam angle °	CRI R_a	Energy efficiency at max. current
Type S120 **Heat sink height = 40 mm**					P_{el} = 20 W V_f = 33.3 V		P_{el} = 23.6 W V_f = 33.7 V		P_{el} = 27.3 W V_f = 34.1 V					
Evolve 111 S120W	**568985**	**568991**	warm white	3000	2700	135	3100	131	3485	128	18860	16°	85	A++
Evolve 111 S120W	**568988**	**568994**	neutral white	4000	2795	140	3200	136	3605	132	19500	16°	85	A++
Evolve 111 S120W	**568986**	**568992**	warm white	3000	2775	139	3175	135	3575	131	8900	26°	85	A++
Evolve 111 S120W	**568989**	**568995**	neutral white	4000	2865	143	3285	139	3695	135	9200	26°	85	A++
Evolve 111 S120W	**568987**	**568993**	warm white	3000	2840	142	3255	138	3660	134	8080	32°	85	A++
Evolve 111 S120W	**568990**	**568996**	neutral white	4000	2935	147	3365	143	3790	139	8350	32°	85	A++
Evolve 111 S120W	**569431**	**569433**	warm white	3000	2875	144	3295	140	3705	136	2650	70°	85	A++
Evolve 111 S120W	**569432**	**569434**	neutral white	4000	2970	149	3410	144	3835	140	2750	70°	85	A++

* Production tolerance of luminous flux, voltage and power consumption: ±10%
Versions with other colour temperature, CRI 95 or pearl white on request

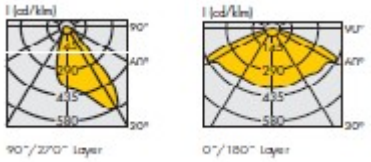
LED Roadway Light

IP 66

LIGHTING SOLUTIONS







Brek

Replacement Kit for Street Light

Technical Notes

Constant current up to 1400mA
Lens material: PMMA
Light distibution: IESNA Type II, Type III, Type V (others on request)
CRI: 70
Silicone gasket and PG-7 cable gland for IP protection
Degree of IP protection: IP67 (IEC 60529)
Degree of IK protection: IK08 (IEC 62262)
Heatsinik material: Aluminum
Leads: Bipolar cable double insulation FEP/PVC - AWG22
Allowed storage temperature: -40 °C to 100 °C
Lumen maintenance L80/B10:
>54,000 hrs (Tp = 60°C)
Max. operating temperature at tc point: -30°C / +70 °C
Weight: 650 g
Packagin unit: 8 pcs

Designed according to Zhaga Book 19

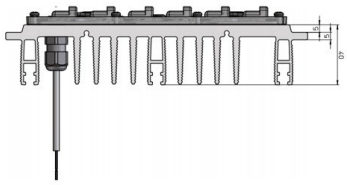
Made in Italy

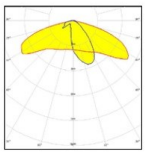


EN 62031
EN 62471

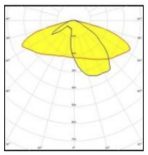
Zhaga



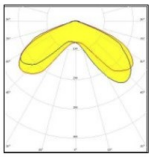




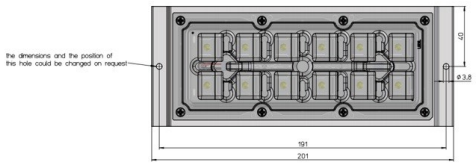
Type II

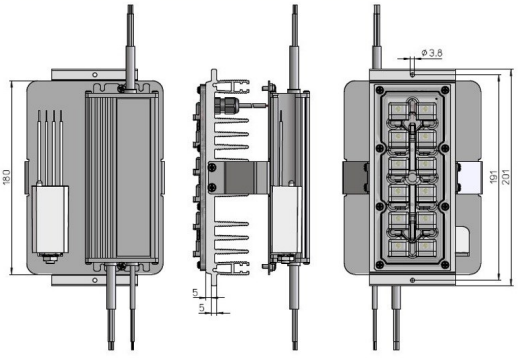


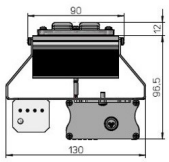
Type III



Type V





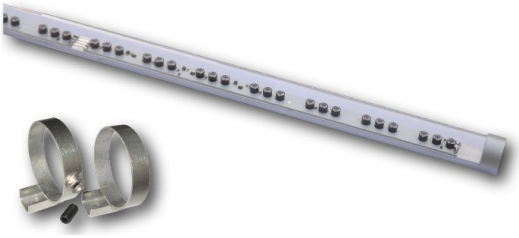


Efficienza: 137 lm/W @1400mA
Flusso massimo: 7.000 lm



Variante 1 modulo LED, corredata di driver e protezione SPD.





BARRE LED 50/100 CM 21/42 LED 1W 24VDC IP68



FARO LED DA PISCINA SOSTITUISCE NELLA SOLITA CASSAFORMA LA PAR 56
2500 OPPURE 5000 LUMEN
ORDINABILE ANCHE IN VERSIONE RGB
12V **IP68**
Ref. ORION



FARO 24 LED 1,0W 24VDC INOX 316
DA PISCINE E DA VASCHE
IP68
BIANCO 3000/4000K /RGB

REF. NINTEO POOL



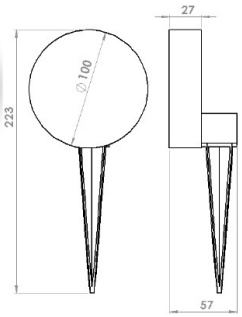
FARO CON PICCHETTO/STAFFA
LED 3,5W 12V ALOGENO 20/35/50W 12V IP68
LED 3,5W ALOGENO 35W/50W 230V IP66
REF.SUBILUX



FARETTO INOX 316L **IP 68**

LED BIANCO 3000/4000K LED RGB
REF. GREG





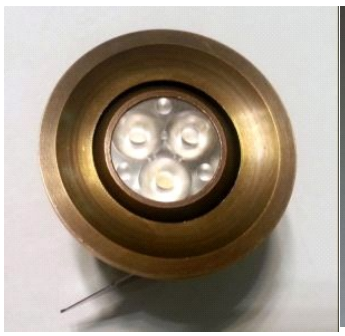
LUCY GRAUND

9W 12VDC

IP66



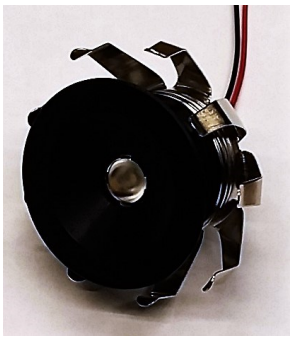
SUPPORTO CON LED 1,2W 24VDC
TIPO G4 CON MOLLA DI TENUTA PER FORI D.11 MM





FARETTO INCASSO ORIENTABILE
3LED 1W/2W/3W
ALIMENTAZIONE 13/26 VDC
ANELLO DIAMETRO 45 MM
FORO 40 MM
LUNGHEZZA : 39/55 MMM
COLORI STANDARD:OTTONE BRUNITO,
NERO,ALLUMINIO,CROMO

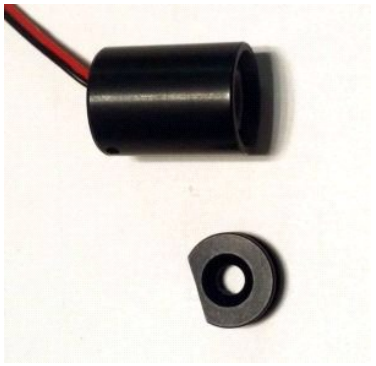


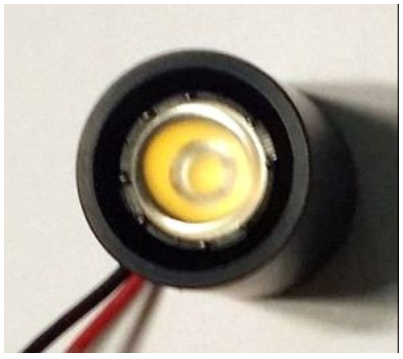


FARETTO INCASSO
ANELLO DIAM.40MM
FORO INCASSO 37MM
COLORI STANDARD:NERO,ALLUMINIO



FARETTO SNODATO
DIAMETRO BASETTA 37 MM
ALTEZZA 42 MM
DIAMETRO BICCHIERINO LED 14 MM
POTENZA 1/2W
ALIMENTAZIONE 8/26V DC
COLORI STANDARD: NERO,ALLUMINIO



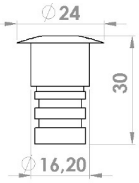


FARETTO DA APPOG-
GIO A PLAFONE
1W 350 MA

NERO
ALLUMINIO

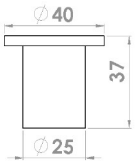
Ø15X20 MM



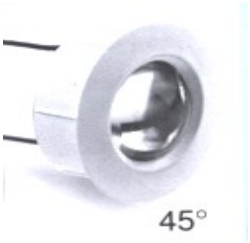


FARETTO LED 1,2W 350 MA
CON CASSAFORMA
IP66
REF.CRIS

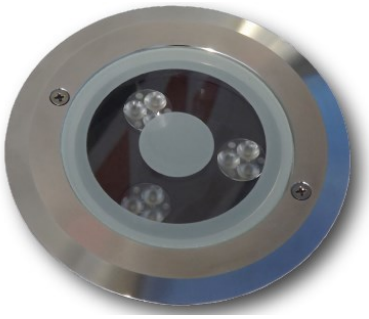




FARETTO LED 1,2W 350MA
IP68
REF.SUPER EYE



SPOT LED INCASSO
FORO 25 MM
CASSA PLASTICA

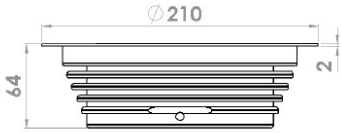


INCASSO DA TERRA IP68
ALLUMINIO/INOX316
9 LED 1W 3000/4000K/RGB
DIAMETRO 140 MM H 35MM
RIF..LUCY FLOOR 9

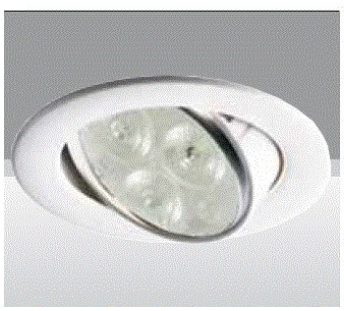
FARO INCASSO
15W 3000/4000K RGB
CARRABILE 3,5 TON. IP66
REF.ARGO

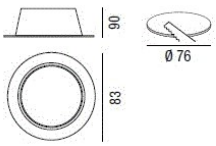


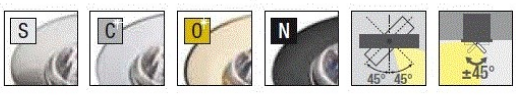




FARETTO INCASSO CARTONGESSO MR16







LIGHTING SOLUTIONS



FARETTO LED COB IP 54
GHIERA INOX/BIANCA
3,0W 350MA
320 LUMEN
3000K 4000K

DIMMERABILE

LED Compact High-bay EasyLine



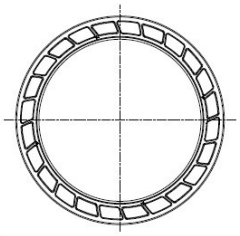
Dimension (ØxH):
- HB-E-260: Ø 260 x 164 mm
- HB-E-305: Ø 305 x 171 mm
- HB-E-343: Ø 343 x 178 mm

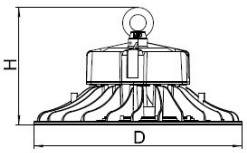
Casing colour: aluminium, black
Optics material: PC
Degree of protection: IP65
Impact rating: IK08
Glow wire test: 650 °C
Typ. colour accuracy initially: 4 SDCM
With connection lead
Fastening: fixing eye
Weight: 2/2.5/3.5 kg

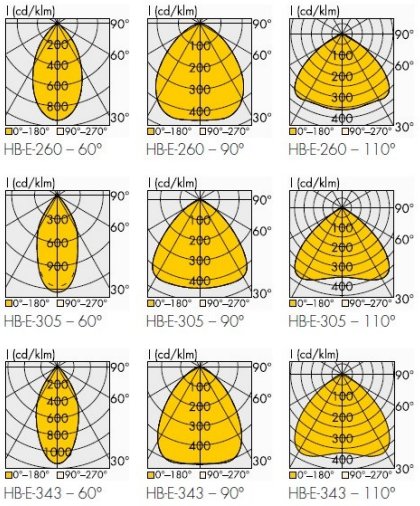
Applied standards
- EN 60598-1:2015 + A1:2018
- EN 60598-2-1:1989
- EN 62471:2008
- EN 62493:2010
- EN 55015:2013
- EN 61000-3-2:2019
- EN 61000-3-3:2013 + A1:2019
- EN 61547:2009
- EN 62778-TR (RG2/RG1>6m)

Dimensions

Type	Ø D mm	H mm
HB-E-260	260	164
HB-E-305	305	171
HB-E-343	343	178







100W/150W/200W
4000K/5000K/6500K

FARETTI IN GESSO


FARETTO IN GESSO H 35 mm


FARETTO IN GESSO TONDO PIATTO


FARETTO IN GESSO H 54mm


FARETTO IN GESSO H 63 mm CON VETRO


FARETTO IN GESSO H 56 mm


FARETTO IN GESSO PIATTO SVASATO


FARETTO IN GESSO INCLINATO QUADRATO


FARETTO IN GESSO INCLINATO TONDO


FARETTO IN GESSO SUPERFICIE TONDO


FARETTO IN GESSO SUPERFICIE QUADRATO


FARETTO IN GESSO QUADRATO H 55 mm


FARETTO IN GESSO DOPPIO

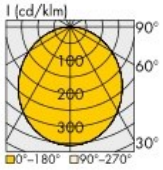
LIGHTING SOLUTIONS

Downlight EasyLine

Indoor LED recessed mounted downlight With integrated LED driver and connection box for direct connection to mains voltage



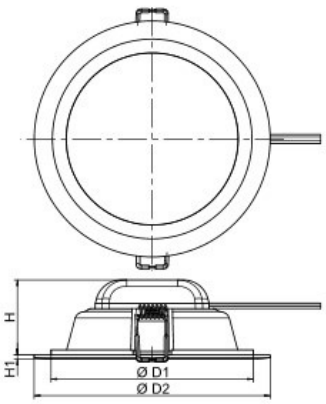
Type	Dimensions (ØxH) mm	Cut-out (Ø) mm
DL-E-90	90x36	75
DL-E-105	105x38	90
DL-E-115	115x44	100
DL-E-140	140x47	125
DL-E-165	165x47	150
DL-E-190	190x49	175
DL-E-215	215x49	200



Casing material: PC
Casing flange colour: white (RAL 9003)
Diffuser material: PC
Degree of protection: IP20
Impact rating: IK03
Colour accuracy initially: typ. 4 SDCM
With connection box

Dimensions

Type	Ø D1 mm	Ø D2 mm	H mm	H1 mm
DL-E-90	70	90	34	2
DL-E-105	85	105	35.5	2.5
DL-E-115	95	115	41.85	2.25
DL-E-140	120	140	44.5	2.5
DL-E-165	145	165	44.5	2.5
DL-E-190	170	190	46.5	2.5
DL-E-215	195	215	46.5	2.5



Applied Standards

- EN 60598-1:2015 + A1:2018
- EN 60598-2-2:2012
- EN 62471:2008
- EN 62493:2010
- EN 55015:2013
- EN 61000-3-2:2014
- EN 61000-3-3:2013
- EN 61547:2009
- IEC TR 62778:2014 (RG0)

4W/6W/8W/12W/16W/20W/24W
3000K/4000K/6500K

APLIQUE ILLUMINAZIONE QUADRI A LED 2700/3000/4000K IN OTTONE/FERRO FINITURE: BRUNITO SPAZZOLATO, CROMO,CROMO SPAZZOLATO,O RICHIESTA. DIMENSIONE BRACCIO ILLUMINANTE 190,295,365,500,610 mm.



LED FlatPanel



LIGHTING SOLUTIONS

595X595 4300 LUMEN
1195X295 4100 LUMEN

38W

3000K
4000K
6500K

VERSIONE UGR 19

KIT SOSPENSIONE



CORNICE PLAFONE





BARRE ALLUMINIO COMPLETE DI LED TAGLIATO A MISURA VERSIONI
4,8W - 9,6W –12W -14,5W- 19,2-22-24W METRO

LUNGHEZZE ALLESTIBILI DA 100 MM A 4000 MM IN PASSO 50/100 MM
COPURTURE: TRASPARENTE,SATINATA LENTE 40°



BARRA ALLUMINIO CON 420 LED METRO (ASSENZA DI PERCEZIONE PUNTI LUMINOSI)
27W METRO 24VDC , 3000K /4000K DIMMERABILE CIRCUITO MARCHIO UR

LUNGHEZZE DA 40 MM A 4000 MM

LED Linear
Waterproof Easyline

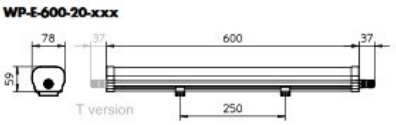
Technical Notes

- Dimension (LxWxH):
  637 mm, 1237 mm or 1537 x 78 x 59 mm
- Casing and diffuser material: PC opal
- Casing colour: white (RAL 9003)
- Endcap colour: white (RAL 9003)
- Degree of protection: IP65
- Impact rating: IK08
- Glowwire test: 650 °C
- Typ. colour accuracy initially: 4 SDCM
- Connection method: terminal block,
  incl. metal clips, screws

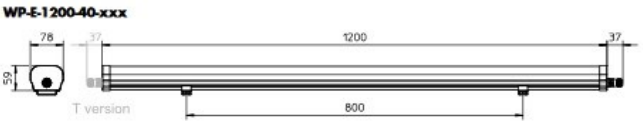
Applied Standards

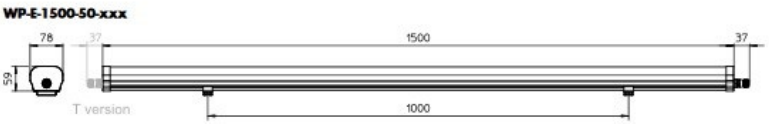
- EN 60598-1:2015 + A1:2018
- EN 60598-2-1:1989
- EN 60598-2-24:2013
- EN 62471:2008
- EN 62493:2015
- EN 55015:2013 + A1:2015
- EN 61000-3-2:2014
- EN 61000-3-3:2013
- EN 61547:2009
- EN 61347 / TR 62778 (RG0)





CE EAC CB Scheme



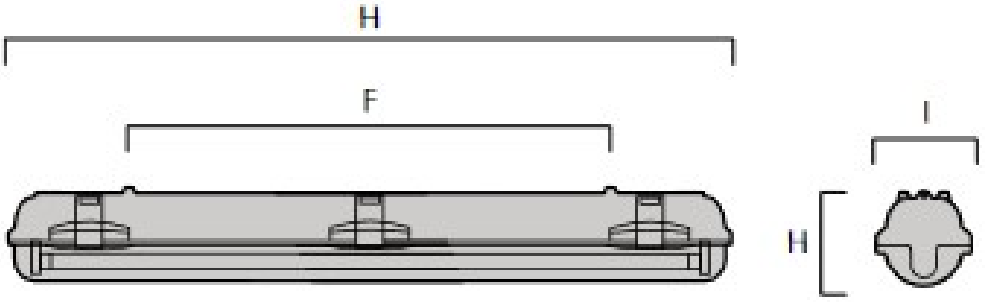


37W/51W 29W/44W

4000K 5000K 6500K

PLAFONIERE LED IP65

Dimensions (mm)



	L	I	H	F
Single	662	83	91	390
Twin	662	123	91	390
Single	1265	83	91	855
Twin	1265	123	91	855
Single	1565	83	91	955
Twin	1565	123	91	955

MINILED SENSOR



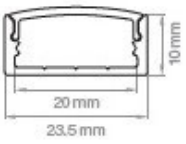
Mini plafoniera LED 12V con sensore di prossimità
LED mini light fitting with proximity sensor

Funzioni / Functions:
- Sensore di prossimità PIR
  Portata sensore 5 metri 120°
  Durata accensione 20" il primo ciclo, 50" i cicli successivi
  PIR sensor
  Sensor range 5 meters 120 °
  Duration ignition: 20 " the first cycle, 50 " successive cycles

Materiale / Material:
- Corpo in alluminio
  Diffusore in policarbonato opaco
  Body in aluminum
  Diffuser in matt thermoplastic

Consigli per utilizzo / Advice for use:
- A richiesta modello/misure/potenza personalizzate per minimo 10 pezzi
  Custom made model, measure and power also available for 10 pcs minimum

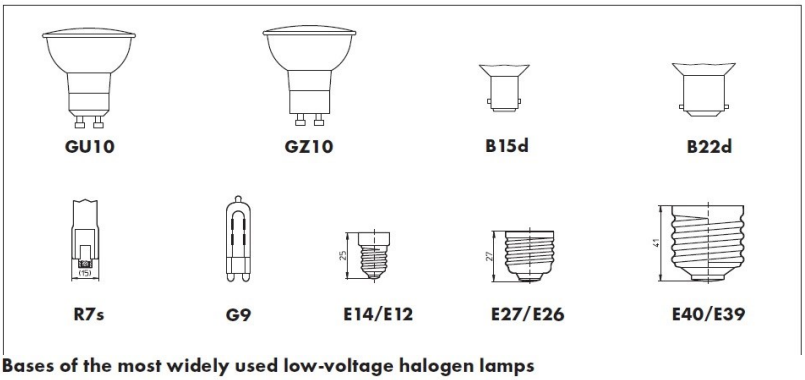
Tensione costante / Constant voltage:
- Tensione costante: utilizzare converter 12V. Vedere sezione "drivers - SETLS10"
  Constant voltage: use 12V converter. See section "drivers - SETLS10"



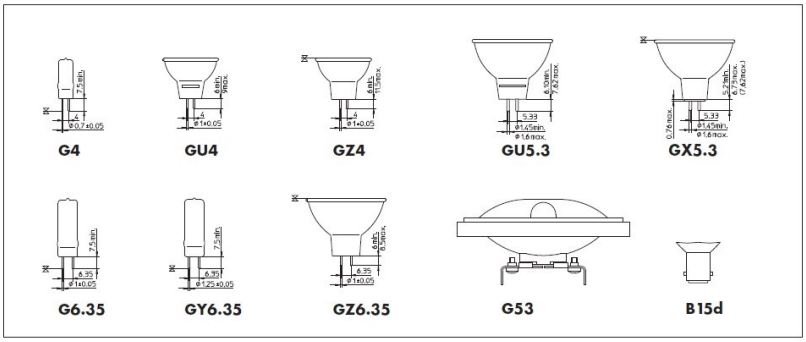
Codice Code	Potenza Power	Tensione Voltage	Lumen	Kelvin	LED	CRI	Fascio Beam Angle	IP	Finitura Finish	Lunghezza cavo Cable length	Lunghezza Length	PKG	EAN
MINISENSUP40	2W	12V DC	360Lm/Mt	4500°K	3528 SMD	>80Ra	120°	IP 20	silver / silver	150cm + AMP	400 mm	1/20	8058341517987
MINISENSUP55	2,7W	12V DC	360Lm/Mt	4500°K	3528 SMD	>80Ra	120°	IP 20	silver / silver	150cm + AMP	550 mm	1/20	8058341517994
MINISENSUP85	4W	12V DC	360Lm/Mt	4500°K	3528 SMD	>80Ra	120°	IP 20	silver / silver	150cm + AMP	850 mm	1/20	8058341518014
MINISENSUP115	5,5W	12V DC	360Lm/Mt	4500°K	3528 SMD	>80Ra	120°	IP 20	silver / silver	150cm + AMP	1150 mm	1/20	8058341518021

DATI TECNICI

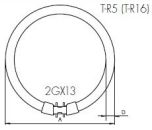
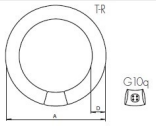
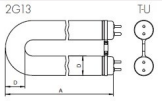
The bases of the most widely used mains voltage incandescent lamps

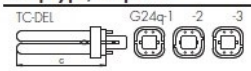
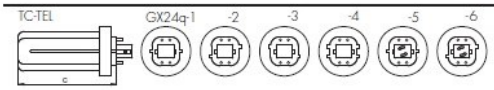
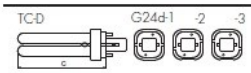
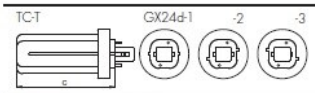
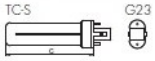
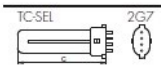
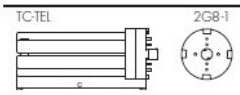
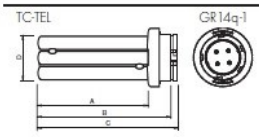
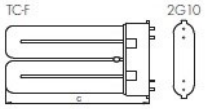
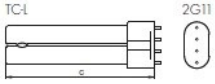


Bases of the most widely used low-voltage halogen lamps

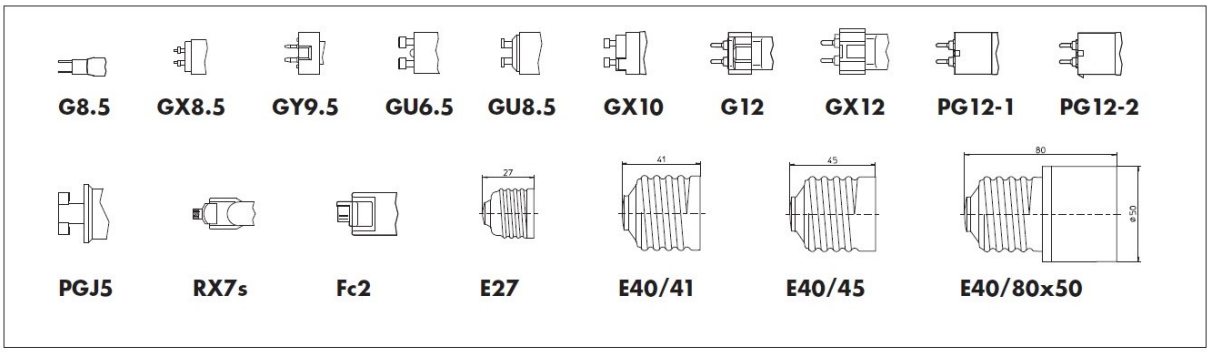


Lamp type/lamp base	Base	Output (W)	Ø D (mm)	Length A/C (mm) acc. to IEC 60081/ 60901 (for circular lamps B)
GX53-1	GX53-1	7 9		
T2 (T7) W4.3	W4.3x8.5d	6 8 11 13	7 7 7 7	219.3 320.9 422.5 524.1
T5 (T16) G5	G5	4 6 8 13 14 20 21 24 25 28 32 34 35 39 45 49 50 54 73 80	16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16	135.9 212.1 288.3 516.9 549.0 549.0 849.0 549.0 1149.0 1149.0 1449.0 849.0 1449.0 849.0 1449.0 1449.0 1449.0 1149.0 1449.0 1449.0
T8 (T26) G13	G13	10 14 15 16 16 18 20*1 23 30 32 33 34 36 36 38 50 51 58 70	26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26	470.0*2 360.0*2 437.4 589.8 720.0*2 589.8 438.0*2 970.0*2 894.6 1199.4 1149.0 1047.0*2 1199.4 970.0*2 1047.0 1500.0 1500.0 1500.0 1763.8
T12 (T38) G13	G13	20 25 30 40 65 75 80*1 85 85*1 100 100*1 115 125 140 140*1 160*1	38 38 38 38 38 38 38 38 38 38 38 38 38 38 38 38	589.8 970.0 894.6 1199.4 1500.0 1763.8 1500.0 2374.3 1763.8 2374.3 1800.0*2 1200.0*2 2374.3 1500.0*2 1800.0*2 1800.0*2

Lamp type/lamp base	Base	Output (W)	Ø D (mm)	A (mm)
	2GX13	22 40 55 60	16 16 16 16	230.0 305.0 305.0 379.0
	G10q	22 32 40 60	29 29 29 30	215.9 304.8 406.4 408.8*
	2G13-92	18 36 58	26 26 26	304* 566, 601* 566, 759*

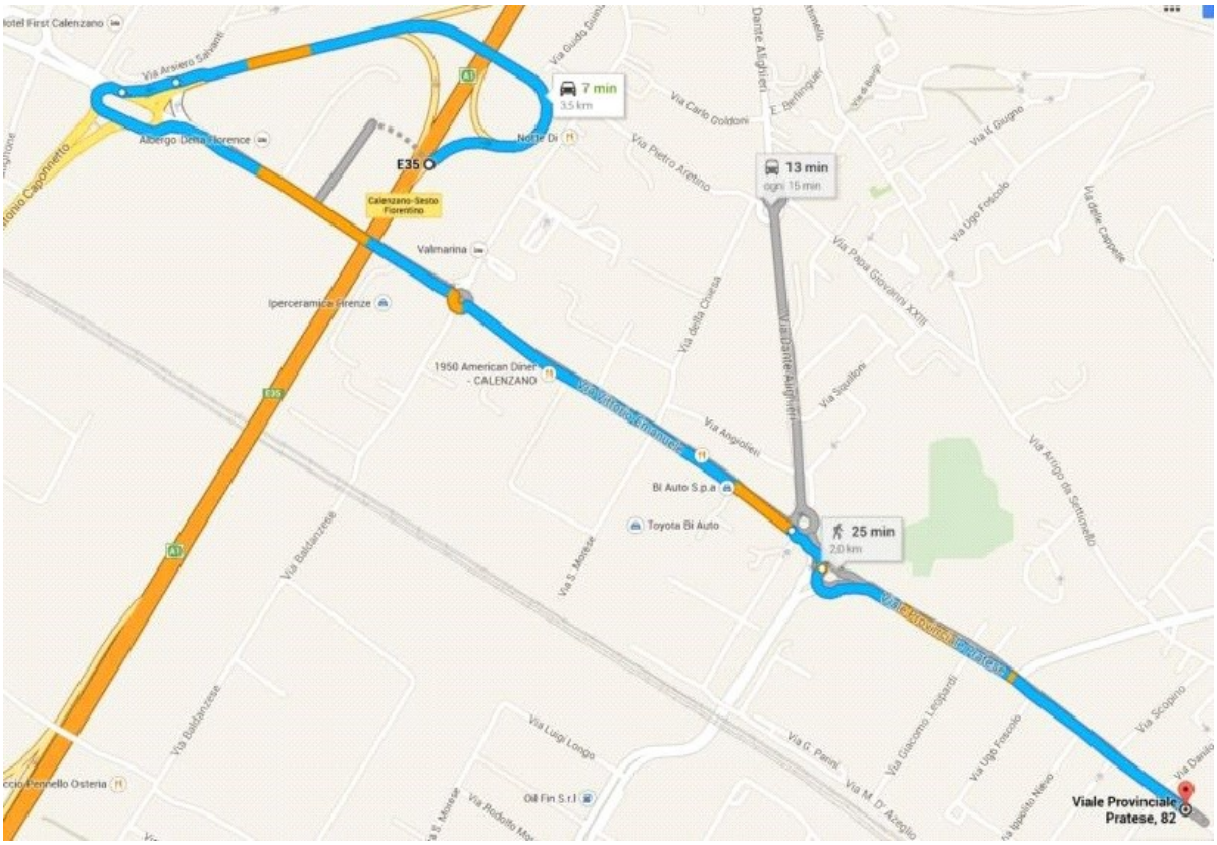
Lamp type/lamp base	Base	Output (W)	Max. length (C) acc. to IEC			
	G24q-1	10 13	95 130			
	G24q-2	18	140			
	G24q-3	26	160			
	GX24q-1	13	90			
	GX24q-2	18	110			
	GX24q-3	26 32	130 145			
	GX24q-4	42	155			
	GX24q-5	57	191			
	GX24q-6	70	219			
	G24d-1	8 10 13	73* 95 130			
	G24d-2	18	140			
	G24d-3	26	160			
	GX24d-1	13	90			
	GX24d-2	18	110			
	GX24d-3	26	130			
	G23	5 7 9 11	85 115 145 215			
	2G7	5 7 9 11	85 115 145 215			
	2G8-1	60 85 120	167 208 285			
			A	B	C	D
	GR14q-1	14 17	99.7 121.7	120 142	126.6 148.6	41* 41*
			A	B		
	GR8	16 28	138 205	141 207		
	GR10q	10 16 21 28 38	92 138 138 205 205	95 141 141 207 207		
	GRY10q-3	55	205	205*		
	GRZ10d	18	137	141*		
	GRZ10t	30	202	206*		
	2G10	18 24 36	122 165 217			
	2G11	18 24 34 36 40 55 80	225 320 533* 415 535 535 565			

Bases for the most commonly used HI and HS lamps



GRADO DI PROTEZIONE	
1° Cifra Protezione contro corpi solidi e protezione delle persone	**2° Cifra** Protezione contro i liquidi
IP DEFINIZIONE	
0 Nessuna protezione	**0** Nessuna protezione
1 Protetto contro corpi solidi superiori a 50 mm e contro l'accesso a parti pericolose con il dorso della mano	**1** Protetto contro la caduta verticale di gocce d'acqua
2 Protetto contro corpi solidi superiori a 12 mm e contro l'accesso delle dita	**2** Protetto contro la caduta di gocce d'acqua fino a 15° di inclinazione dell'involucro
3 Protetto contro corpi solidi superiori a 2,5 mm ed utensili, fili, ecc.	**3** Protetto contro la pioggia
4 Protetto contro corpi solidi superiori a 1 mm (esempio:piccoli fili)	**4** Protetto contro gli spruzzi d'acqua
5 Protetto contro la polvere	**5** Protetto contro i getti d'acqua
6 Protetto completamente contro la penetrazione di polvere	**6** Protezione contro i getti d'acqua potenti
	7 Protetti contro gli effetti dell'immersione temporanea nell'acqua





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