FM
ILUMINACION

FOCOS EMPOTRABLES DOWNLIGHTS

Creemos en la calidad. Creemos en el diseño. Diseñamos en España.

We believe in quality. We believe in design. Designed in Spain

FM ILUMINACION

FOCOS EMPOTRABLES DOWNLIGHTS

empresa asociada a - *company belonging to:*

CUADRO EXPLICATIVO - *EXPLANATORY PICTURE*

ÍNDICE - *INDEX*

EMPOTRABLE CRISTAL - *RECESSED GLASS*

PAG. 30-31

PAG. 32-33

PAG. 34

PAG. 35

PAG. 36

PAG. 37

PAG. 38

PAG. 38

PAG. 39

PAG. 40

PAG. 41

PAG. 41

DOWNLIGHT

PAG. 16-19

PAG. 20-24

PAG. 25

PAG. 26-27

PAG. 28

PAG. 29

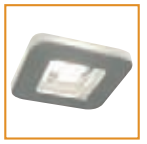
PAG. 47

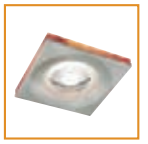
EMPOTRABLE METÁLICO - *METAL RECESSED*

PAG. 8

PAG. 9

PAG. 10-11


PAG. 16-17


PAG. 22-23

PAG. 42-43

PAG. 44

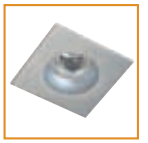
PAG. 45

PAG. 45

PAG. 46

PAG. 46

PAG. 46


PAG. 47

FOCO SUPERFICIE - *SURFACE SPOT*

PAG. 4-5

PAG. 6-7

PAG. 12-13

PAG. 14-15

PAG. 48

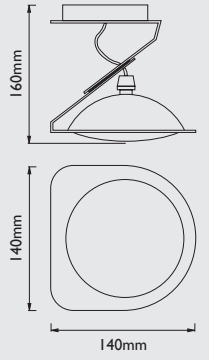
FOCO SUPERFICIE ORIENTABLE - BASCULANTE
SURFACE SPOT ROTATABLE & TILTABLE

20200 · NEGRO MATE
MATT BLACK

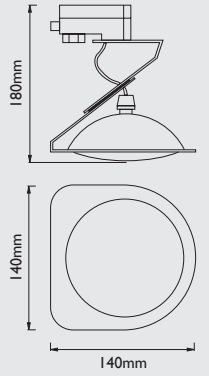
20200 · PLATA
SILVER

20200 · BLANCO MATE
MATT WHITE

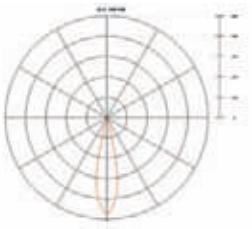
ESQUEMA - *SIZES 20200*



ESQUEMA - *SIZES 20202*



FOTOMETRÍA - *PHOTOMETRIC*



FOCO CARRIL ORIENTABLE - BASCULANTE · accesorios carril pag. 48
ROTATABLE & TILTABLE TRACK SPOT · track accessories page 48

LED

0,8 m

IP20
IP20

230V

MAX
75W

GU-10

Ø111

18044 • **ALUMINIO - NÍQUEL SATINADO / TRANSPARENTE**
ALUMINIUM - SATIN NICKEL / TRANSPARENT

TRANSPARENTE *TRANSPARENT*

SATINADO *SATINATED*

NARANJA *ORANGE*

ROJO *RED*

PISTACHO *GREEN*

VIOLETA *VIOLET*

FUME *SMOKE*

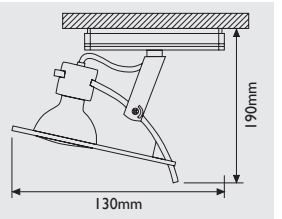
18041 • **ALUMINIO - CROMO / TRANSPARENTE**
ALUMINIUM - CHROME / TRANSPARENT

FOCO SUPERFICIE ORIENTABLE - BASCULANTE
SURFACE SPOT ROTATABLE & TILTABLE

18043 • BLANCO MATE / NARANJA
MATT WHITE / ORANGE

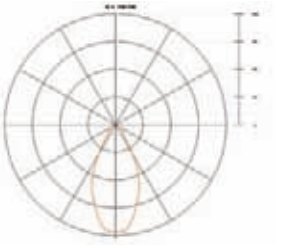
18042 • ALUMINIO - CROMO / FUME
ALUMINIUM - CHROME / SMOKE

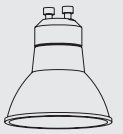
ESQUEMA - *SIZES 18041*



18042 - L. 55 cm
18043 - L. 89 cm
18044 - L. 123 cm

FOTOMETRÍA - *PHOTOMETRIC*





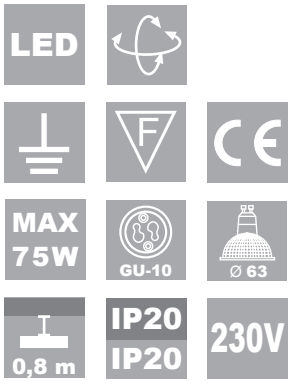
LÁMPARAS HALÓGENAS INCLUIDAS
HALOGEN LAMPS INCLUDED
Ø 63 - 75 W

ACABADO BASE - *BASE FINISH*

BLANCO MATE - *MATT WHITE*
ALUMINIO - *ALUMINIUM*

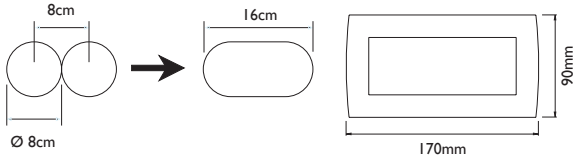
ACABADO FOCO - *SPOT FINISH*

BLANCO MATE - *MATT WHITE*
CROMO - *CHROME*
NÍQUEL SATINADO - *SATIN NICKEL*



52 • 2S

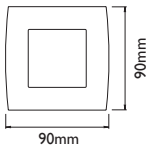
52 • 4

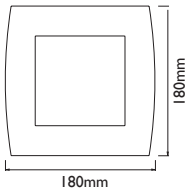


EMPOTRABLE METÁLICO ORIENTABLE - BASCULANTE
METAL RECESSED ROTATABLE & TILTABLE

51 · 2S

51 · 4

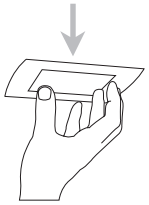




53 · 4

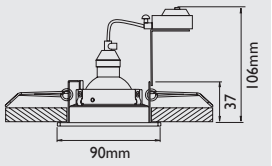
53 · 2S

CARATULA DESMONTABLE
REMOVABLE END COVER



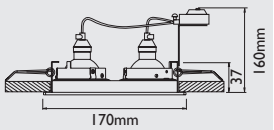
Ø 80 | III | MAX 50W | 0,5 m | GU-10 | Ø 50 | 12 V | G 5.3 | Ø 50

ESQUEMA - *SIZES 51*



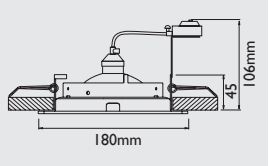
Ø 80+80

ESQUEMA - *SIZES 52*



Ø 155 | III | 0,8 m | Ø111 | GU-10 | MAX 75W | QR 111 | G 53 | 12 V

ESQUEMA - *SIZES 53*



GU-10 | 230V | LED | IP20 IP20

72 · TNG

72 · T4

72 · 3S4

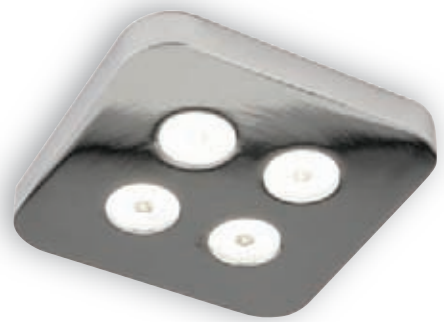
METACRILATO - ***PMMA***

EMPOTRABLE ZAMAK
ZINC ALLOY RECESSED

ZAMAK - *ZINC ALLOY*

70 · B

70 · 2S



70 · 2

METACRILATO - *PMMA*

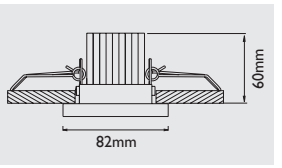
71 · 3S

71 · BE

71 · 5

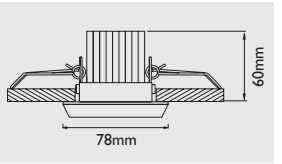
DRIVER INCLUIDO
DRIVER INCLUDED

ESQUEMA - *SIZES 70*

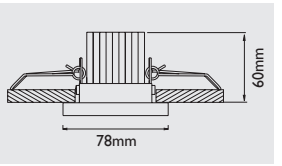


EMPOTRABLE METACRILATO
PMMA RECESSED

ESQUEMA - *SIZES 72*



ESQUEMA - *SIZES 71*



LUZ NEUTRA - *NEUTRAL LIGHT*

4000K

Se indentifica con una **N** delante referencia

*Indicate **N** before the reference number*

LUZ CALIDA - *WARM LIGHT*

3000K

Se indentifica con una **C** delante referencia

*Indicate **C** before the reference number*

Ø 70

40º

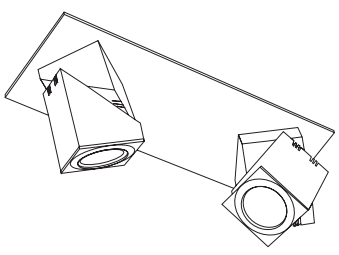
LED CREE

7W

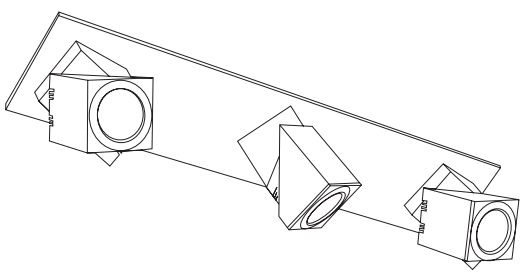
0,5 m

IP20
IP43

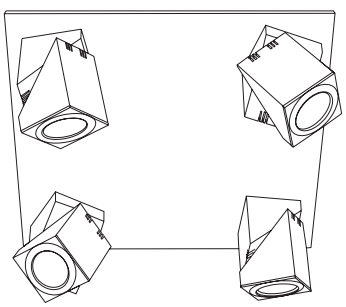
DISPONIBLE CON BASE DE 2/3/4 FOCOS (CONSULTAR TARIFA DIFERENTES ACABADOS)
AVAILABLE WITH BASE FOR 2/3/4 SPOTS *(CHECK PRICE LIST FOR* DECORATIONS)



17013 · 2



17013 · 3



17013 · 4

FOCO SUPERFICIE ORIENTABLE - BASCULANTE
SURFACE SPOT ROTATABLE & TILTABLE

17013 · ICS

17013 · ICU

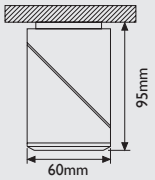
17013 · IC

17013 · IGP

17013 · IBM

17013 · IWE

ESQUEMA - *SIZES 17013 · 1*



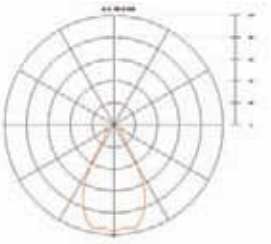
17013 · 2 - L. 32 x 10 x H.12 cm

17013 · 3 - L. 54 x 10 x H.12 cm

17013 · 4 - 32 x 32 x H.12 cm

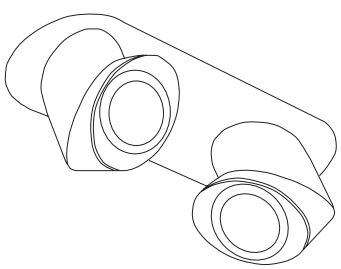
LÁMPARA HALÓGENA INCLUIDA
HALOGEN LAMP INCLUDED
GU10 - 50 W

FOTOMETRÍA - *PHOTOMETRIC*

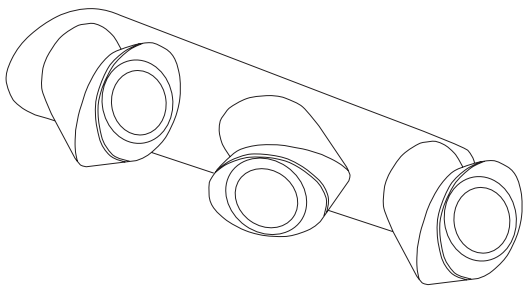


LED · MAX 50W · GU-10 · Ø 50 · 230V · IP20 IP20 · 0,5 m

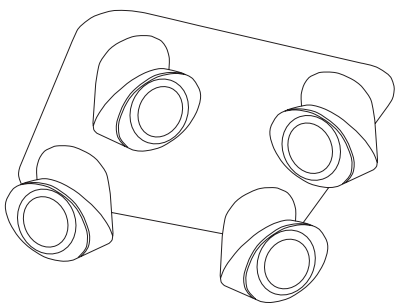
DISPONIBLE CON BASE DE 2/3/4 FOCOS (CONSULTAR TARIFA DIFERENTES ACABADOS)
AVAILABLE WITH BASE FOR 2/3/4 SPOTS *(CHECK PRICE LIST FOR* DECORATIONS)



17014 · 2



17014 · 3



17014 · 4

FOCO SUPERFICIE ORIENTABLE - BASCULANTE
SURFACE SPOT ROTATABLE & TILTABLE

17014 · 1CS

17014 · 1CU

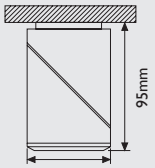
17014 · 1C

17014 · 1GP

17014 · 1BM

17014 · 1WE

ESQUEMA - *SIZES 17014 · 1*



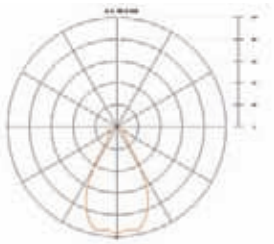
17014 · 2 - L. 32 x 10 x H.12 cm

17014 · 3 - L. 54 x 10 x H.12 cm

17014 · 4 - 32 x 32 x H.12 cm

LÁMPARA HALÓGENA INCLUIDA
HALOGEN LAMP INCLUDED
GU10 - 50 W

FOTOMETRÍA - *PHOTOMETRIC*

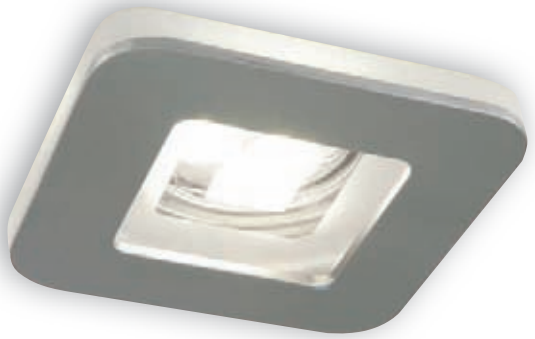


LED · MAX 50W · GU-10 · Ø 50 · 230V · IP20 IP20 · 0,5 m

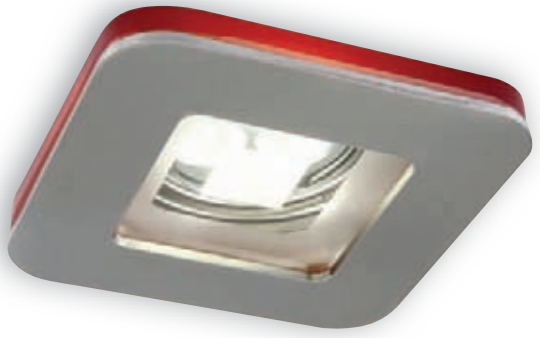
FIJO ALUMINIO CRISTAL
FIXED ALUMINIUM GLASS

1922 · 3S4

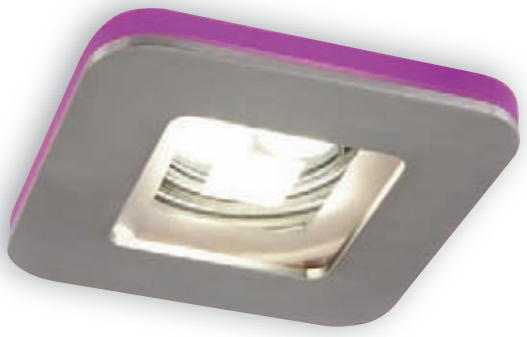
1922 · 3S2S



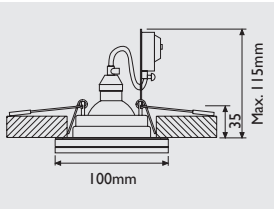
1922 · 52S



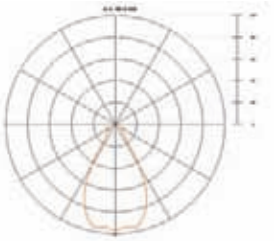
1922 · BE2S



ESQUEMA - *SIZES 1922*

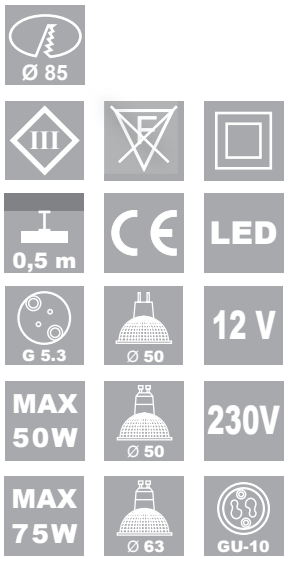


FOTOMETRÍA - *PHOTOMETRIC*



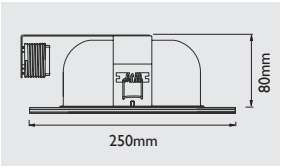
Halógeno
Ø 50 mm
directo a red

Halógeno
Ø 63 mm
directo a red

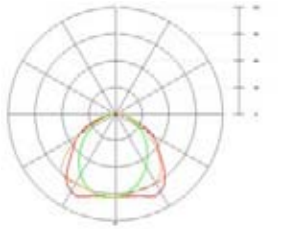


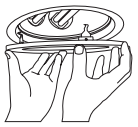
DOWNLIGHT METAL - CRISTAL / *GLASS*

ESQUEMA - *SIZES 1936*



FOTOMETRÍA - *PHOTOMETRIC*





FIJACIÓN INVISIBLE
NON VISIBLE
FIXING SYSTEM

1936 · 52S

1936 · 3S4

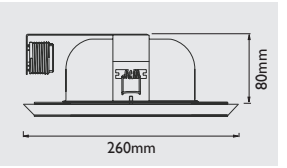
1936 · 3S2S

1936 · BE2S

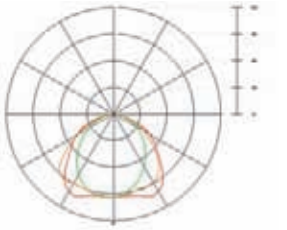
1937 · 3S2S

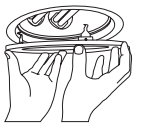
1937 · 3S4

ESQUEMA - *SIZES 1937*



FOTOMETRÍA - *PHOTOMETRIC*





FIJACIÓN INVISIBLE
NON VISIBLE
FIXING SYSTEM

1920 · 3S2S

DOWNLIGHT ALUMINIO METACRILATO / *PMMA*

METACRILATO/ *PMMA* 12 MM

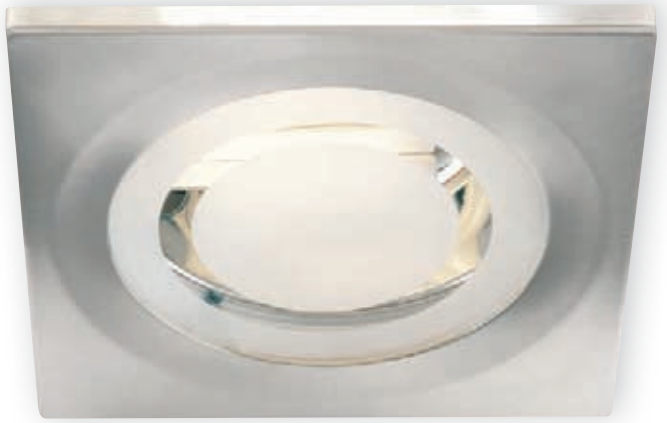
1920 · 94

1920 · P14

1920 · 52

1920 · BE4

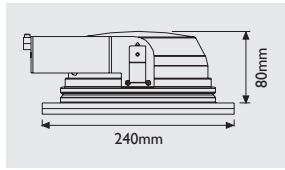
METACRILATO/ *PMMA* 8 MM



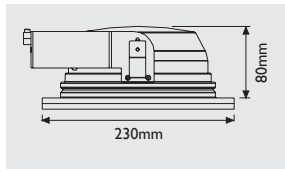
1930 · 3S2S

MODELO ESPECIAL E27 CON LÁMPARAS INCLUIDAS
E-27 SPECIAL MODELS. LAMPS INCLUDED
TAMBIÉN DISPONIBLE CON METACRILATO ÁMBAR - 1930 · 52S
ALSO AVAILABLE IN AMBER PMMA - 1930 · 52S

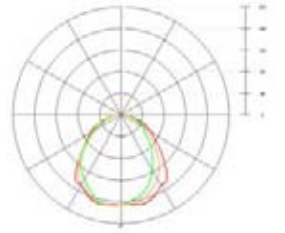
ESQUEMA - *SIZES* 1920



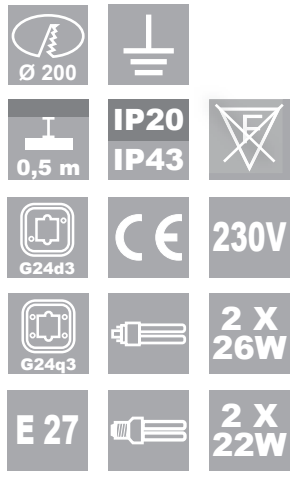
ESQUEMA - *SIZES* 1930



FOTOMETRÍA - *PHOTOMETRIC*



FIJACIÓN INVISIBLE
NON VISIBLE FIXING SYSTEM

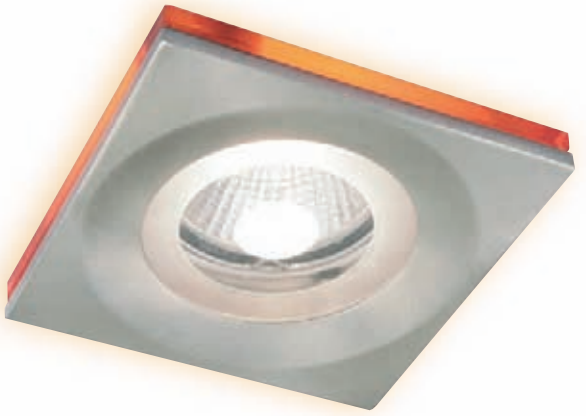


1921 · 2S3S
1920 · 3S2S

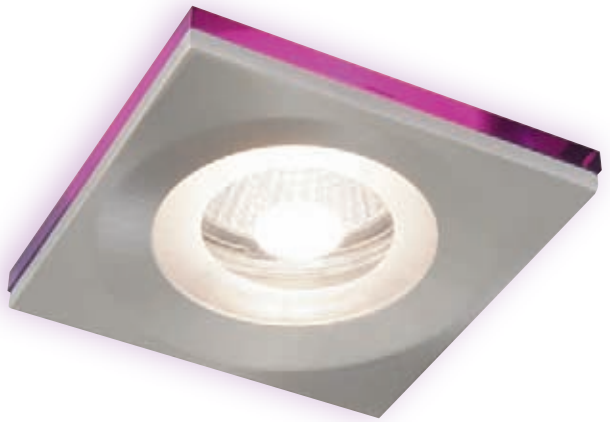
FIJO ALUMINIO CRISTAL
FIXED ALUMINIUM GLASS

1921 · 2S3S

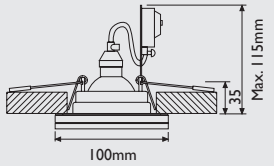
1921 · 2S5



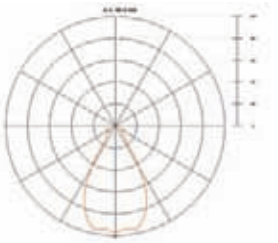
1921 · 2SBE



ESQUEMA - *SIZES 1921*

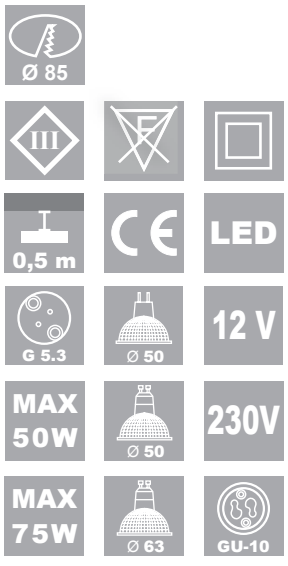


FOTOMETRÍA - *PHOTOMETRIC*



Halógeno
Ø 50 mm
directo a red

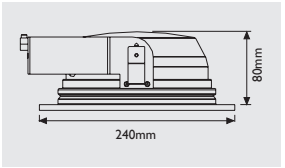
Halógeno
Ø 63 mm
directo a red



DOWNLIGHT ALUMINIO / *ALUMINIUM*

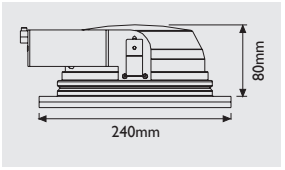
CONSULTAR TARIFA DIFERENTES ACABADOS / *CHECK PRICE LIST FOR* DECORATIONS

ESQUEMA - *SIZES* 1900

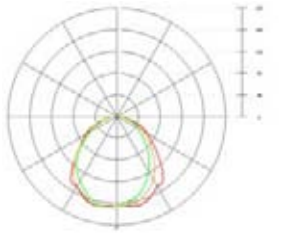


ALUMINIO
MADERA
WOOD

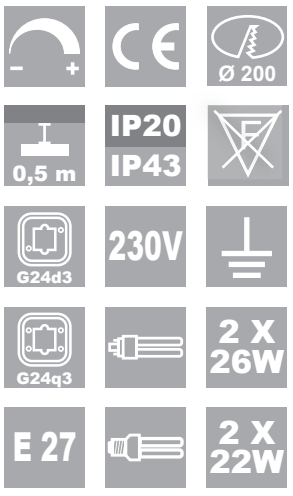
ESQUEMA - *SIZES* 1910

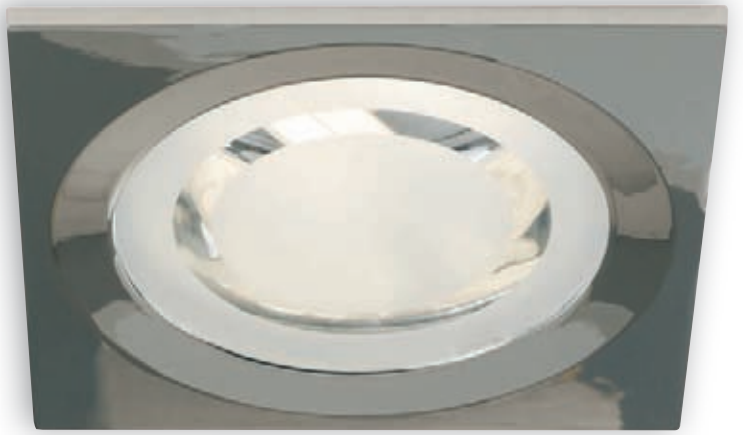


FOTOMETRÍA - *PHOTOMETRIC*



FIJACIÓN INVISIBLE
NON VISIBLE FIXING SYSTEM





1900 · 2

1900 · 4

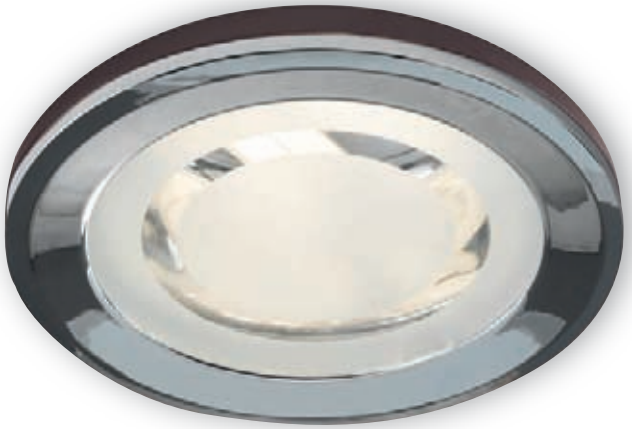
1910 · RGP

1910 · WE4

1600 · 2

1600 · GP

1610 · R2

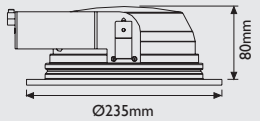


1610 · WE2

1620 · 54

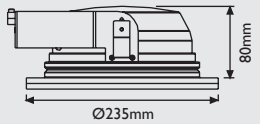
1620 · 3S2

ESQUEMA - *SIZES* 1600



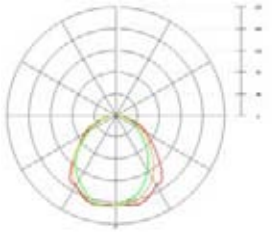
ALUMINIO
MADERA
WOOD

ESQUEMA - *SIZES* 1610-1620

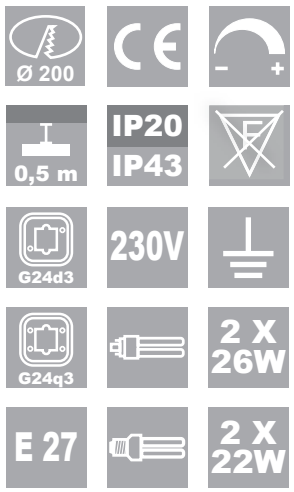


ALUMINIO
METACRILATO
PMMA

FOTOMETRÍA - *PHOTOMETRIC*



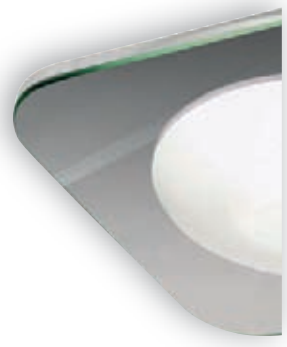
FIJACIÓN INVISIBLE
NON VISIBLE
FIXING SYSTEM



1871 · NGT

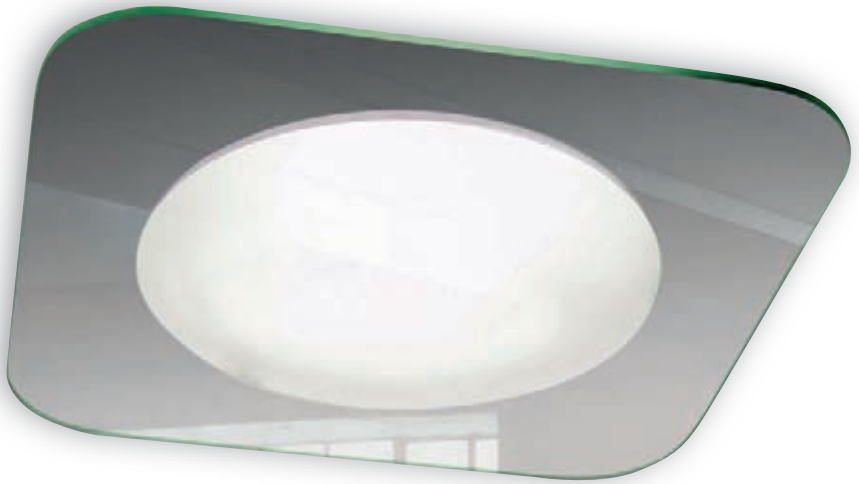
1871 · BT

1871 · GPT



1871 · EPT

1870 · EP

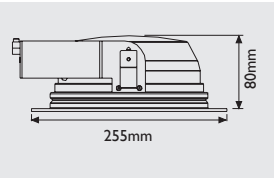


1870 · B

1870 · GP

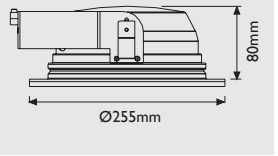
1870 · NG

ESQUEMA - *SIZES* 1870

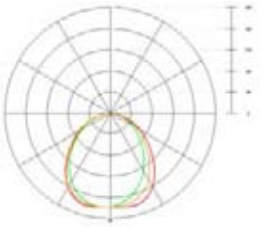


CRISTAL METACRILATO *PMMA*

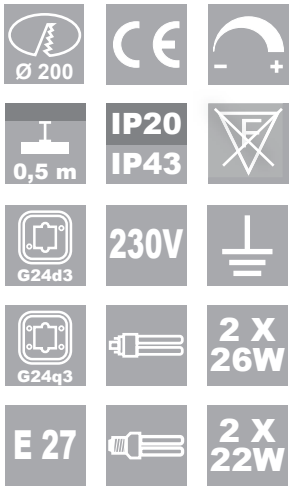
ESQUEMA - *SIZES* 1871



FOTOMETRÍA - *PHOTOMETRIC*

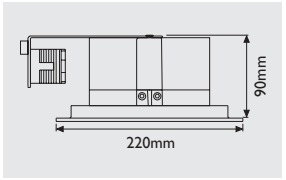


FIJACIÓN INVISIBLE
NON VISIBLE FIXING SYSTEM

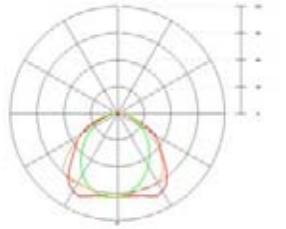


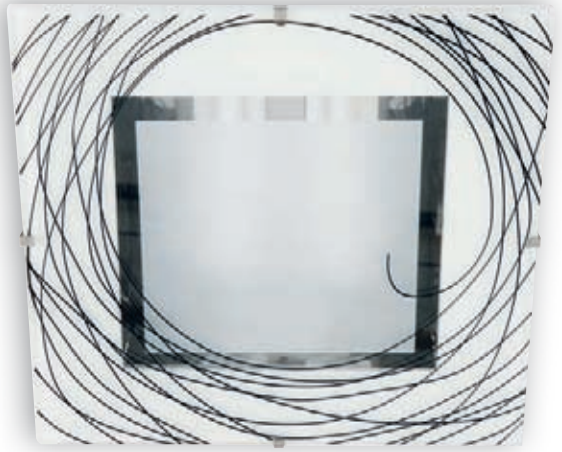
DOWNLIGHT ZAMAK CRISTAL / *ZINC ALLOY GLASS*

ESQUEMA - *SIZES 1501*



FOTOMETRÍA - *PHOTOMETRIC*





1501 · BHN

1501 · B

1502 · B

1501 · EP

1501 · GP

1501 · 4

1501 · PI

1501 · N

1501 · R

1501 · NHB

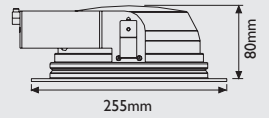
1501 · BEHB

1501 · GN

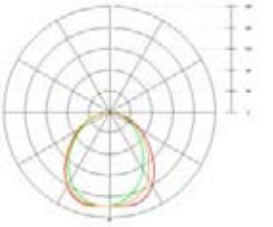
1501 · CU

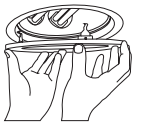
DOWNLIGHT
CRISTAL / *GLASS*

ESQUEMA - *SIZES* 1970



FOTOMETRÍA - *PHOTOMETRIC*



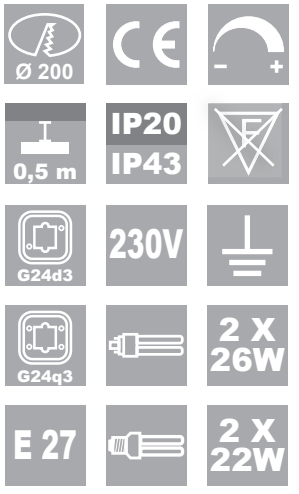


FIJACIÓN INVISIBLE
NON VISIBLE
FIXING SYSTEM

1970 · NG

1970 · GP

1970 · B



K9 BAJO CONSUMO

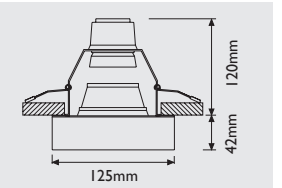
K9 ENERGY SAVING

18220

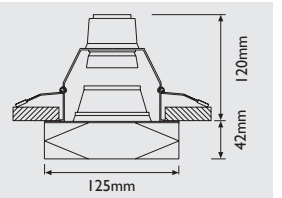
18200

18210

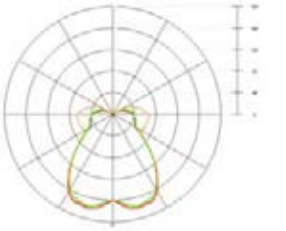
ESQUEMA - *SIZES* 18200-18220



ESQUEMA - *SIZES* 18210



FOTOMETRÍA - *PHOTOMETRIC*



175 · 3S

175

175 · NG

175 · 2

175 · HBN

175 · R

175 · TPE

175 · 5

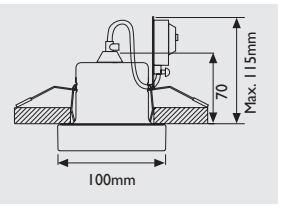
175 · W

175 · 6

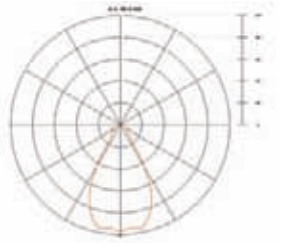
175 · 4

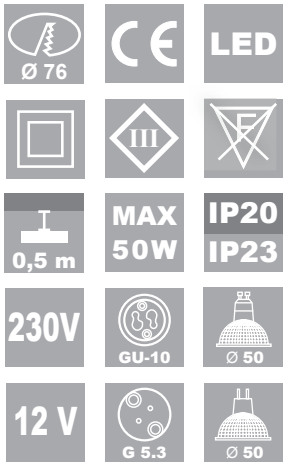
175 · V

ESQUEMA - *SIZES 175*



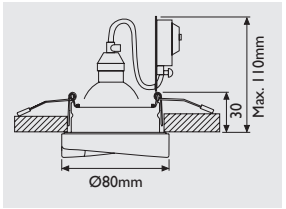
FOTOMETRÍA - *PHOTOMETRIC*



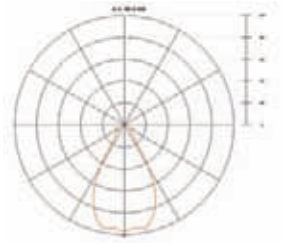


FIJO CRISTAL / *FIXED GLASS*

ESQUEMA - *SIZES 530*



FOTOMETRÍA - *PHOTOMETRIC*



530 · T

530 · 4

530 · V

530 · 5

530 · R

170

170 · NG

170 · 3S

170 · 4

170 · V

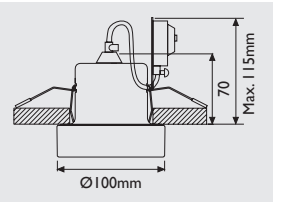
170 · 5

170 · R

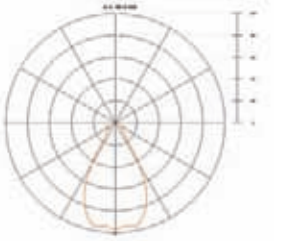
170 · TL

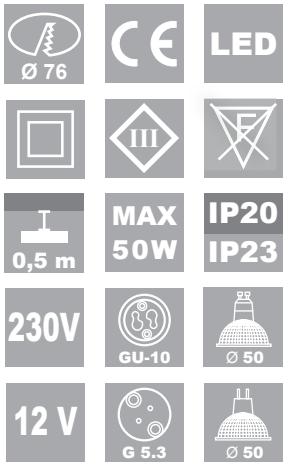
170 · TAS

ESQUEMA - *SIZES 170*



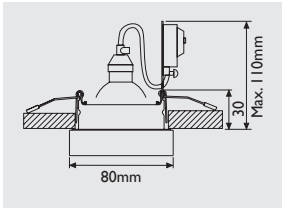
FOTOMETRÍA - *PHOTOMETRIC*



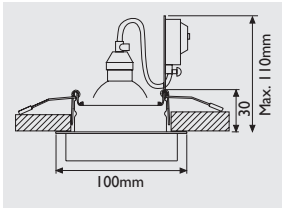


FIJO CRISTAL / *FIXED GLASS*

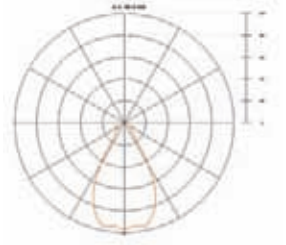
ESQUEMA - *SIZES 510*



ESQUEMA - *SIZES 511*



FOTOMETRÍA - *PHOTOMETRIC*



510 · T

510 · N

510 · 3S

510 · 4

510 · V

510 · R

510 · 5

511 · T

Ø 70

LED | CE | GU10 FLUOR

III

0,5 m | MAX 50W | IP20 IP23

230V | GU-10 | Ø 50

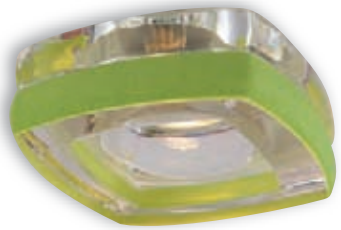
12 V | G 5.3 | Ø 50

177 · T

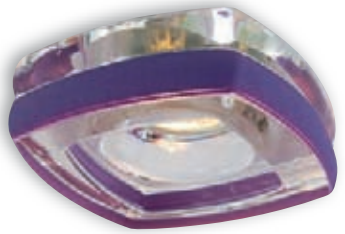
177 · T3S

177 · W

177 · NG



177 · PI

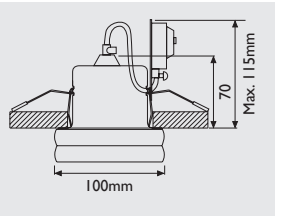


177 · V

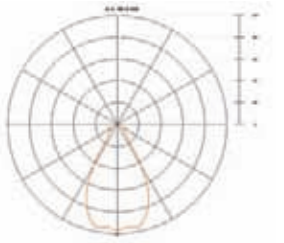
177 · NA

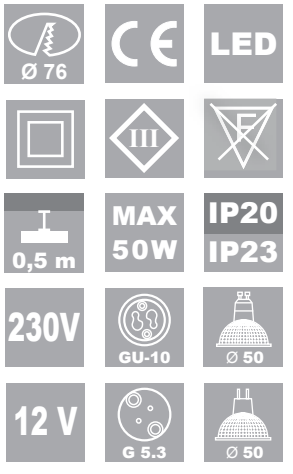
177 · BE

ESQUEMA - *SIZES 177*



FOTOMETRÍA - *PHOTOMETRIC*



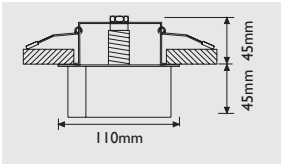


FIJO CRISTAL K9 / *FIXED CRYSTAL K9*

LÁMPARA INCLUIDA / ***LAMP INCLUDED***

Ø 70 | MAX 40W | IP20 IP20 | G9

ESQUEMA - *SIZES 18240-18250*



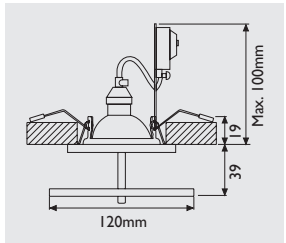
18250

18240

FIJO CRISTAL PLANO *FIXED FLAT GLASS*

Ø 54 | IP20 IP23 | LED | GU10 FLUOR | MAX 50W | III | 230V | GU-10 | Ø 50 | 12 V | G 5.3 | Ø 50

ESQUEMA - *SIZES 294-297*



297 · R

297

297 · NG

294

297 · P

230V | CE | 0,8 m

890

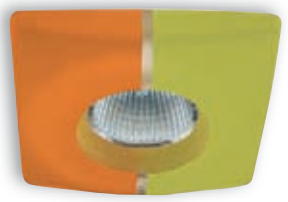
892

893

899

894

893 · BRB

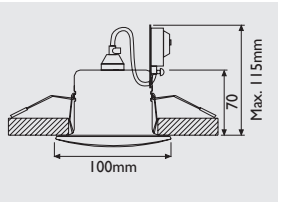


893 · N6

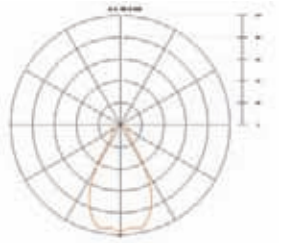
893 · SBE

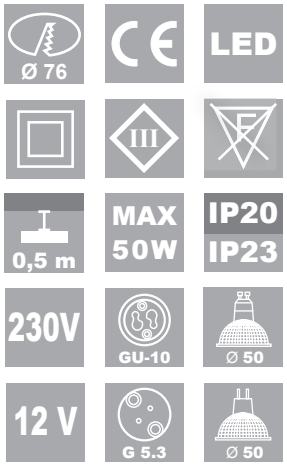
893 · L5

ESQUEMA - *SIZES 890*



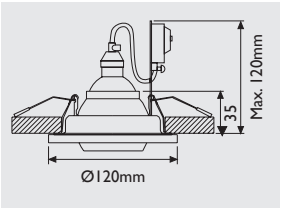
FOTOMETRÍA - *PHOTOMETRIC*



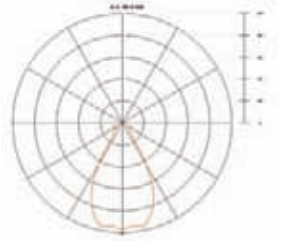


ORIENTABLE BASCULANTE CRISTAL
GLASS ROTATABLE & TILTABLE

ESQUEMA - *SIZES 010*



FOTOMETRÍA - *PHOTOMETRIC*



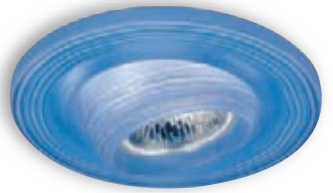
010

313

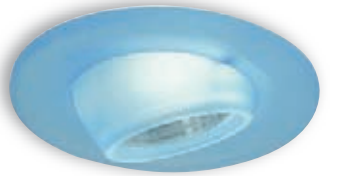
212

313 · BR

616



313 · BR9



919

313 · ES

515

313 · BM

717

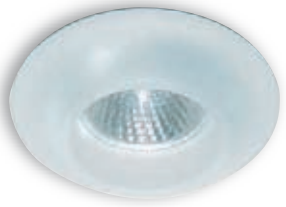
100

103

109

105

190



193

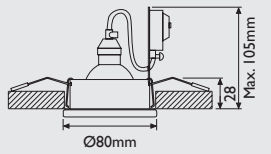
193 · BM

194

193 · G

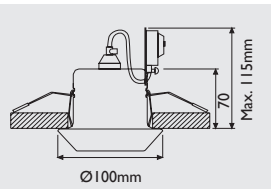
Ø 67 | F | GU10 FLUOR

ESQUEMA - *SIZES 100*

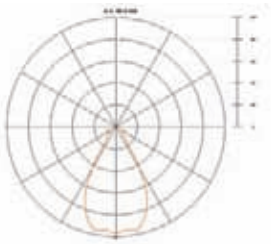


Ø 76 | F

ESQUEMA - *SIZES 190*



FOTOMETRÍA - *PHOTOMETRIC*



CE

III | LED

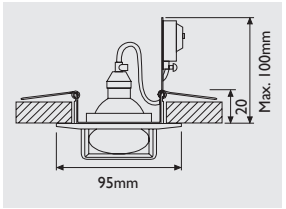
0,5 m | MAX 50W | IP20 IP23

230V | GU-10 | Ø 50

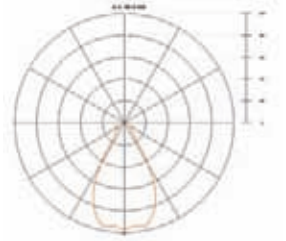
12 V | G 5.3 | Ø 50

BASCULANTE ZAMAK / *ZINC ALLOY TILTABLE*

ESQUEMA - *SIZES 1701*

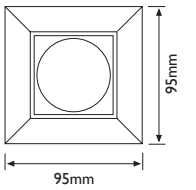


FOTOMETRÍA - *PHOTOMETRIC*



1701 · B

1701



T indica que la tapa es del mismo color

T remarks finish of metal fame arond lamp

T1701 · B

T1701 · C

T1701 · CB

T1701 · BM

1701 · C

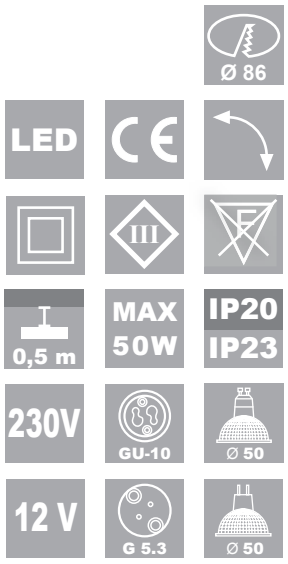
1701 · CB

1701 · GP

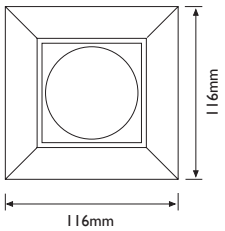
1701 · OS

1701 · CS

1701 · CU



1702



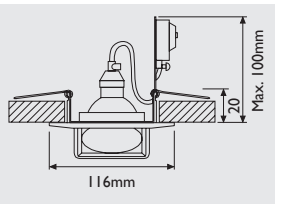
ATENCIÓN / *ATTENTION*

LÁMPARA DE 75 W - Ø 63mm

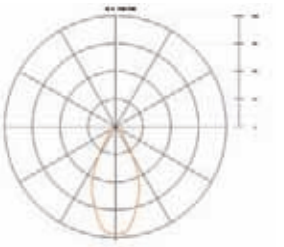
LAMP 75 W - Ø 63mm

1702 · NS

ESQUEMA - *SIZES 1702*



FOTOMETRÍA - *PHOTOMETRIC*



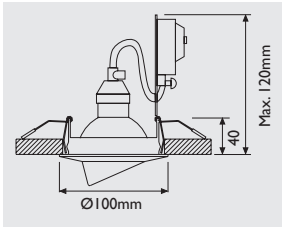
1702 · B

1702 · CU

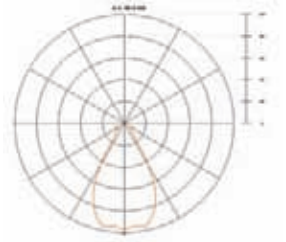
1702 · C

ORIENTABLE BASCULANTE ZAMAK
ROTATABLE & TILTABLE ZINC ALLOY

ESQUEMA - *SIZES 1700*



FOTOMETRÍA - *PHOTOMETRIC*



1700 · CS

1700 · B

1700 · BM

1700 · CB

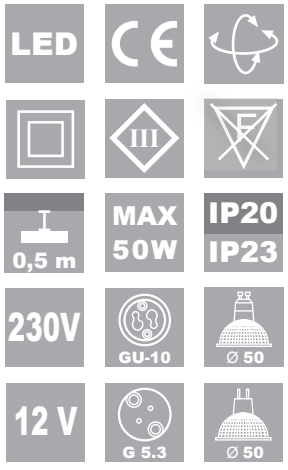
1700 · C

1700 · GP

1700 · CU

1700 · OS

1700 · O



20 · CS

LED

20 · CU

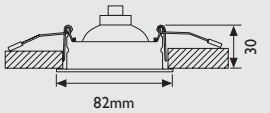
20 · B

40 · CS

40 · CU

40 · B

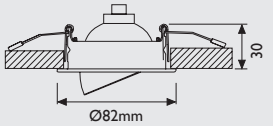
ESQUEMA - *SIZES 20*



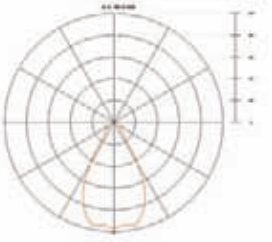
ORIENTABLE BASCULANTE ZAMAK

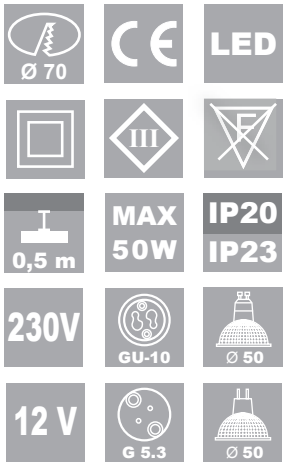
ROTATABLE & TILTABLE ZINC ALLOY

ESQUEMA - *SIZES 40*



FOTOMETRÍA - *PHOTOMETRIC*

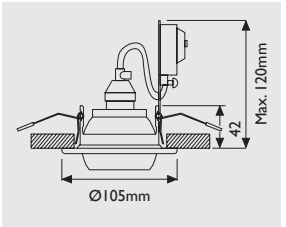




BASCULANTE METAL - CRISTAL
METAL - GLASS TILTABLE

Ø 80

ESQUEMA - *SIZES* 200 - 1014



403

200

1031 · 3

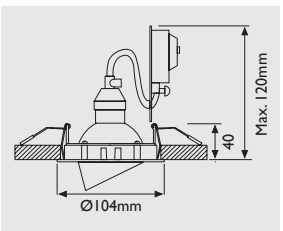
BASCULANTE TERMOPLÁSTICO
THERMOPLASTIC TILTABLE

1014

1031

Ø 92

ESQUEMA - *SIZES* 1020



1020 · B

1020 · N

GU10 FLUOR

LED

CE

III

0,5 m

MAX 50W

IP20 IP23

230V

GU-10

Ø 50

12 V

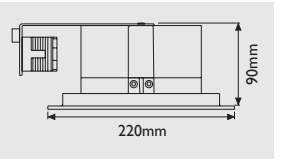
G 5.3

Ø 50

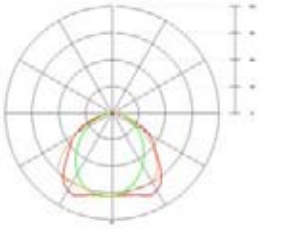
DOWLIGHT ALUMINIO / *ALUMINIUM*

1503 · P

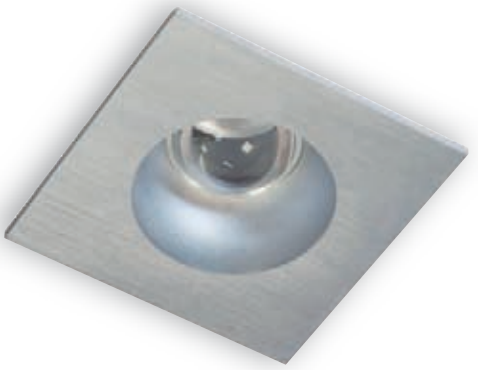
ESQUEMA - *SIZES* 1503



FOTOMETRÍA - *PHOTOMETRIC*



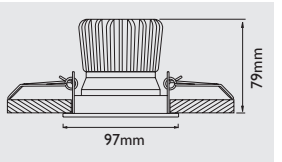
TECNOLOGÍA LED *TECHNOLOGY*



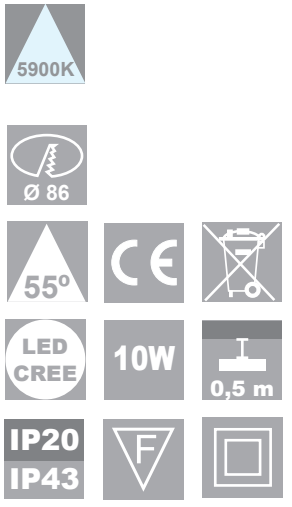
62

FIJO ALUMINIO *FIXED ALUMINIUM*

ESQUEMA - *SIZES* 62

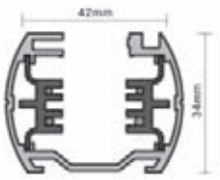


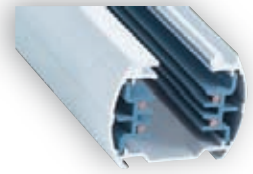
LUZ FRIA - *COOL LIGHT*



DRIVER INCLUIDO: 9-24W · 700mA · 43x28x113 · IP20 · CLASEII · 180-240 V
DRIVER INCLUDED

ACCESORIOS CARRIL - *TRACKS ACCESORIES*



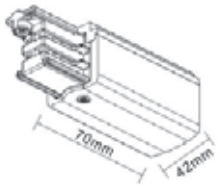


20202 · C1

Carril trifásico de 1mt.de longitud en aluminio extruido blanco con tapa y conector a red. *1 metre length white extruded aluminium 3 phases track with end cover and live end connector.*

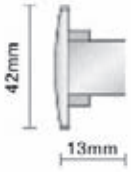
20202 · C2

Carril trifásico de 2mt.de longitud en aluminio extruido blanco con tapa y conector a red. *2 metre length white extruded aluminium 3 phases track with end cover and live end.*



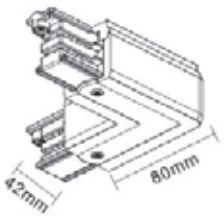
20202 · R

Conector a red.
Live end connector.



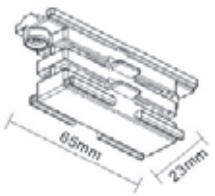
20202 · T

Tapa final de carrril.
End cover.



20202 · L

Conector a 2 carriles en ángulo de 90 grados.
Connector 2 track sections at a 90 angle.



20202 · E

Conector interno de carriles.
Internal track connector.

BOMBILLAS DISPONIBLES - CONSULTAR TARIFA

LAMPS AVAILABLE PLEASE CHECK PRICE LIST

SIMBOLOGÍA - *SYMBOL*

MAX 50W — Potencia máxima de la lámpara.
Maximum power of the lamp.

Lámpara autoprotegida de Baja presión.
Self protected lamp of Low pressure.

Apto para el montaje en superficies inflamables.
Suitable for setting up on usually flammable surfaces.

No apto para el montaje en superficies inflamables.
Unsuitable for setting up on usually flammable surfaces.

12V — Muy baja tensión.
Very low tension.

230V — Baja tensión.
Low tension.

E 27 — Portalámparas E27
Lampholder E27

GU-10 — Portalámparas halógeno GU10
Halogen lampholder GU10

G 5.3 — Portalámparas halógeno G5.3
Halogen lampholder G5.3

G9 — Portalámparas halógeno G9
Halogen lampholder G9

G24d3 — Portalámparas Ferromagnético G24d3
Ferromagnetic lampholder G24d3

G24q3 — Portalámparas Electrónico G24q3
Electronic lampholder G24q3

G 53 — Portalámparas halógeno G 53
Halogen lampholder G 53

CE — Producto certificado CE. Cumple directiva 2006/95/CE de Baja tensión y 2004/108/CE de Compatibilidad Electromagnética.
Certified product EC. According to directive 2006/95/CE low tension and 2004/108/CE to Electromagnetic Compatibility.

Ø 50 — Lámpara halógena G5.3 - Ø 50 mm
Halogen lamp G5.3 - Ø 50 mm

Ø 50 — Lámpara halógena GU 10 - Ø 50 mm
Halogen lamp GU 10 - Ø 50 mm

Ø 63 — Lámpara halógena GU 10 - Ø 63 mm
Halogen lamp GU 10 - Ø 63 mm

Ø111 — Lámpara halógena GU 10 - Ø 111 mm
Halogen lamp GU 10 - Ø 111 mm

GU10 FLUOR — Lámpara Fluorescente GU10
Fluorescent lamp GU10

Lámpara halógena G9
Halogen lamp G9

Lámpara fluor. compacta TCD-TCDE
Compact fluorescent lamp TCD-TCDE

Lámpara Bajo Consumo E27
Energy Saving Lamp E27

QR 111 — Lámpara halógena QR 111
Halogen lamp QR 111

L.Max 13,5 cm — Longitud máxima de la lámpara.
Maximum length of the lamp

Ø Max 4,8 cm — Diámetro máximo lámpara fluorescente
Maximum diameter fluorescent lamp

Ø mm — Tamaño del agujero para empotrar.
Size of the hole needed for the fitting.

0,5 m — Distancia mínima a objetos iluminados.
Minimum range to illuminated objects.

IP20 IP43 — Grado de proteción contra la entrada de elementos líquidos y solidos, en INTERIOR y EXTERIOR de la luminaria.
Protection degree against the entrance of liquid and solid elements in the interior and exterior part of the spot or downlight.

Protección Clase 1 - Toma Tierra.
Class 1 protection - Earth

Protección Clase 2
Class 2 protection

III — Protección Clase 3
Class 3 protection

Orientable y Basculante
Rotatable & Tiltable

Orientable
Rotatable

40º — Ángulo opticas
Lents angle

Recogida selectiva de aparatos electrónicos o eléctricos.
Selective collection of electrical or electronic appliances.

LED — Lámpara LED para portalámparas GU10 - G5.3
LED lamp for lampholders GU10 - G5.3

LED CREE — Led CREE

Balasto regulable opcional
Dimmable ballast on request

3000K — Luz cálida
Warm light

4000K — Luz neutra
Neutral light

5900K — Luz fría
Cool light

© FM ILUMINACIÓN S.L. 2000-2011
Todos los diseños que se contienen en este catálogo son originales y exclusivos de FM ILUMINACIÓN S.L.
All designs mentioned in this catalogue are original and exclusive of FM ILUMINACION S.L.

www.fmiluminacion.com
www.olebyfm.com

FM
ILUMINACION

C/. Germanías, 10-12
46960 Pol. Ind. (El Pou)
Aldaia (Valencia) SPAIN
T. +34 961 515 977
F. +34 961 516 290
fm@fmiluminacion.com