

Il sistema **Extradark** è l'unione di un'ottica TIR in PMMA ottico a un elemento che scherma geometricamente l'angolo di visione del fascio luminoso ottenendo un'elevata uniformità di illuminamento e il pieno controllo dell'emissione.

L'elemento ottico schermante, con finitura nero lucido, permette di controllare la riflessione speculare della luce e quindi di controllare in maniera perfetta l'indice di abbagliamento ($UGR^* < 19$).

**L'acronimo UGR sta per Unified Glare Rating, ossia l'indice unificato di abbagliamento luminoso di tipo molesto. Questo indice è oggetto di norme nazionali ed europee che ne stabiliscono i limiti consentiti negli ambienti lavorativi.*

The **Extradark** system associates an optical TIR PMMA lens to an element that geometrically shields the light beam viewing angle to obtain highly uniform lighting and full beam control. The polished black light shield is used to control the mirror reflection of the light, perfectly controlling the unified glare rating ($UGR^* < 19$).

**UGR stands for Unified Glare Rating. The rating is subject to national and European standards that set the permitted limits in working environments.*



Nulla è un lavoro estremo di sottrazione che unisce elettronica e ottica, verso la sfida finale: l'assenza del supporto, l'essenza della luce. Nel 2010 è stata la prima a cogliere la mono-dimensionalità dei LED.

Nulla è un progetto che rappresenta contemporaneamente l'inizio e la fine del mio lavoro sulla luce. L'inizio perché da sempre cerco la luce assoluta, la fine perché rappresenta comunque la sintesi più totale del mio lavoro. È la più generosa delle lampade, quella che si nasconde al solo scopo di regalare la scena al soggetto illuminato.

Compasso d'Oro ADI Award, 2014



Nulla is an extreme expression of subtraction, uniting optics and electronics as an answer to the ultimate challenge: the absence of structural support, the essence of light. In 2010, Nulla was the first to grasp the mono-dimensionality of LEDs.

Nulla is a project that represents both the beginning and the end of my work on light. It's the beginning, in the sense that I have always been looking for absolute light, it's the end because it represents the total synthesis of my work. It is the most generous of my lamps. Its sole objective is to hide and give all the attention to whatever it is lighting.



Compasso d'Oro ADI
Award 2014



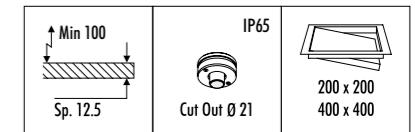
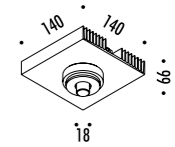
EXTRADARK LUMINAIRE

DESIGN DAVIDE GROPPI - 2010
LAMPADA DA INCASSO DA SOFFITTO - METALLO
RECESSED CEILING LAMP - METAL

NULLA

CE IP20/IP65

The sizes are expressed in millimeters.



1A4100000.27.20	STANDARD - 2700K - BEAM 23°	24 V DC - 14 W LED - UGR < 19 2700K - 425 lm - CRI > 90 / 3000K - 458 lm - CRI > 90 - BEAM 23°
1A4100000.30.20	STANDARD - 3000K - BEAM 23°	FORO VISIBILE Ø 18 mm KIT INSTALLAZIONE OBBLIGATORIO NON INCLUSO DRIVER NON INCLUSO
		VISIBLE HOLE Ø 18 mm COMPULSORY INSTALLATION KIT NOT INCLUDED DRIVER NOT INCLUDED
1A2110000.27.20	STANDARD - 2700K - BEAM 32°	24 V DC - 14 W LED - UGR < 19 2700K - 538 lm - CRI > 90 / 3000K - 579 lm - CRI > 90 - BEAM 32°
1A2110000.30.20	STANDARD - 3000K - BEAM 32°	FORO VISIBILE Ø 18 mm KIT INSTALLAZIONE OBBLIGATORIO NON INCLUSO DRIVER NON INCLUSO
		VISIBLE HOLE Ø 18 mm COMPULSORY INSTALLATION KIT NOT INCLUDED DRIVER NOT INCLUDED

KIT INSTALLAZIONE OBBLIGATORI / COMPULSORY INSTALLATION KITS

1A2200400.00.00	NERO OPACO / MATT BLACK - IP65	FLANGIA PER CARTONGESSO 12,5 mm / PLASTERBOARD FLANGE 12,5 mm DIMENSIONI TAGLIO CARTONGESSO Ø 21 mm - SPAZIO MINIMO PER INCASSO 100 mm PLASTERBOARD CUT-OUT Ø 21 mm - MINIMUM SPACE FOR MOUNTING 100 mm
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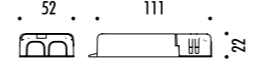
KIT INSTALLAZIONE OPZIONALI / OPTIONAL INSTALLATION KITS

1A3780000.00.00	STANDARD 200 x 200 mm	BOTOLA PER CARTONGESSO 12,5 mm / PLASTERBOARD PANEL 12,5 mm DIMENSIONI TAGLIO CARTONGESSO 200 x 200 mm / 400 x 400 mm
1A3790000.00.00	STANDARD 400 x 400 mm	PLASTERBOARD CUT-OUT 200 x 200 mm / 400 x 400 mm



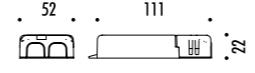
DIM PUSH - 0/1-10 V

DRIVER DIMENSION



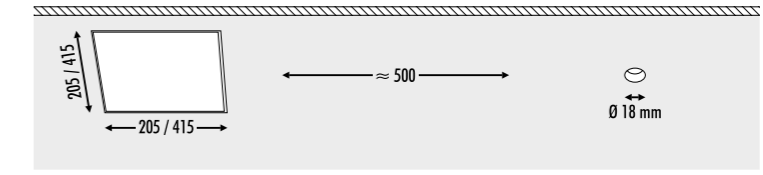
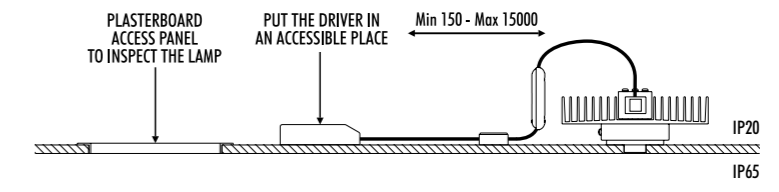
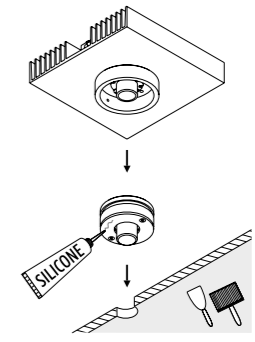
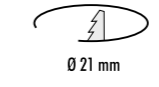
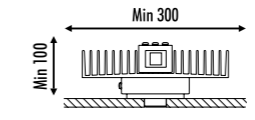
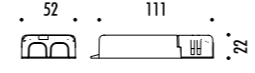
DIM DALI

DRIVER DIMENSION



DIM TRIAC

DRIVER DIMENSION



KIT INSTALLAZIONE OBBLIGATORI / COMPULSORY INSTALLATION KITS

1Z0240870.24	STANDARD	DRIVER INPUT (110-127 V) 220-240 V - 50/60 Hz - OUTPUT 24 V DC - (15 W) 20 W - IP20 PUSH - 0/1-10 V DIMMABLE
1Z0241180.24	STANDARD	DRIVER INPUT (110-127 V) 220-240 V - 50/60 Hz - OUTPUT 24 V DC - (15 W) 16 W - IP20 DALI DIMMABLE
1Z0240850.24	STANDARD	DRIVER INPUT 220-240 V - 50/60 Hz - OUTPUT 24 V DC - 20 W - IP20 TRIAC DIMMABLE



Compasso d'Oro ADI
Award 2014

DESIGN DAVIDE GROPPI - 2010
LAMPADA DA INCASSO DA SOFFITTO - METALLO
RECESSED CEILING LAMP - METAL

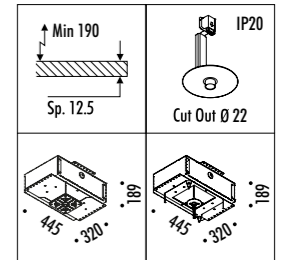
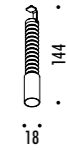
NULLA 18



EXTRADARK LUMINAIRE

CE IP20

The sizes are expressed in millimeters.



1A2010000.27.20	STANDARD - 2700K - BEAM 20°	24 V DC - 4,5 W LED - UGR < 19 2700K - 174 lm - CRI > 90 / 3000K - 186 lm - CRI > 90 - BEAM 20°
1A2010000.30.20	STANDARD - 3000K - BEAM 20°	FORO VISIBILE Ø 18 mm - APPARECCHIO ESTRAIBILE PER MANUTENZIONE KIT INSTALLAZIONE OBBLIGATORIO NON INCLUSO DRIVER NON INCLUSO VISIBLE HOLE Ø 18 mm - LUMINAIRE REMOVABLE FOR MAINTENANCE COMPULSORY INSTALLATION KIT NOT INCLUDED DRIVER NOT INCLUDED

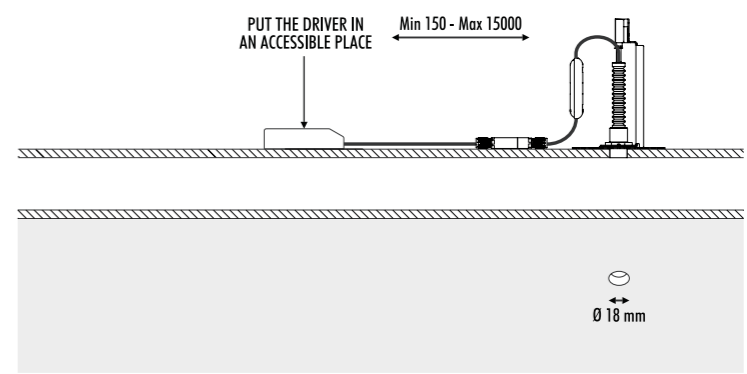
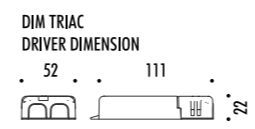
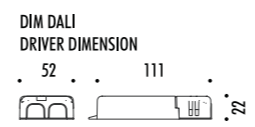
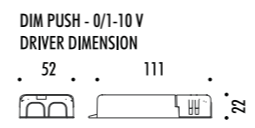
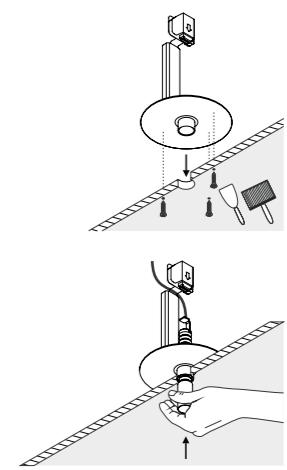
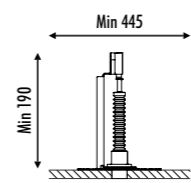
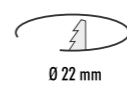
KIT INSTALLAZIONE OBBLIGATORI / COMPULSORY INSTALLATION KITS

1A2210400.00.00	NERO OPACO / MATT BLACK	FLANGIA PER CARTONGESSO 12,5 mm / PLASTERBOARD FLANGE 12,5 mm DIMENSIONI TAGLIO CARTONGESSO Ø 22 mm - SPAZIO MINIMO PER INCASSO 190 mm PLASTERBOARD CUT-OUT Ø 22 mm - MINIMUM SPACE FOR MOUNTING 190 mm
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KIT INSTALLAZIONE OPZIONALI / OPTIONAL INSTALLATION KITS

1A2390000.00.00	STANDARD	CASSAFORMA PER LATERIZIO / PLASTER BOX DIMENSIONS 189 x 445 mm
1A2240000.00.00	STANDARD	CASSAFORMA PER CEMENTO ARMATO / CONCRETE BOX DIMENSIONS 189 x 445 mm





KIT INSTALLAZIONE OBBLIGATORI / COMPULSORY INSTALLATION KITS

1Z0240870.24	STANDARD	DRIVER INPUT (110-127 V) 220-240 V - 50/60 Hz - OUTPUT 24 V DC - (15 W) 20 W - IP20 PUSH - 0/1-10 V DIMMABLE
1Z0241180.24	STANDARD	DRIVER INPUT (110-127 V) 220-240 V - 50/60 Hz - OUTPUT 24 V DC - (15 W) 16 W - IP20 DALI DIMMABLE
1Z0240850.24	STANDARD	DRIVER INPUT 220-240 V - 50/60 Hz - OUTPUT 24 V DC - 20 W - IP20 TRIAC DIMMABLE

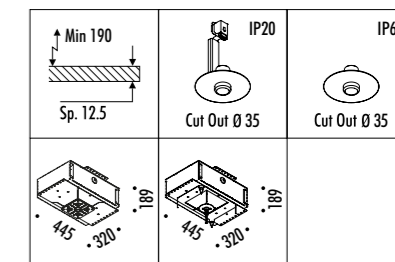
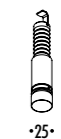
The sizes are expressed in millimeters.

DESIGN DAVIDE GROPPI - 2010
LAMPADA DA INCASSO DA SOFFITTO - METALLO
RECESSED CEILING LAMP - METAL

NULLA 25

EXTRADARK LUMINAIRE

CE IP20/IP65

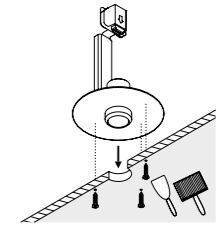


1A4080000.27.20	STANDARD - 2700K - BEAM 23°	24 V DC - 9 W LED - UGR < 19 2700K - 304 lm - CRI > 90 / 3000K - 327 lm - CRI > 90 - BEAM 23°
1A4080000.30.20	STANDARD - 3000K - BEAM 23°	FORO VISIBILE Ø 25 mm - APPARECCHIO ESTRAIBILE PER MANUTENZIONE KIT INSTALLAZIONE OBBLIGATORIO NON INCLUSO DRIVER NON INCLUSO VISIBLE HOLE Ø 25 mm - LUMINAIRE REMOVABLE FOR MAINTENANCE COMPULSORY INSTALLATION KIT NOT INCLUDED DRIVER NOT INCLUDED
1A2020000.27.20	STANDARD - 2700K - BEAM 32°	24 V DC - 9 W LED - UGR < 19 2700K - 384 lm - CRI > 90 / 3000K - 413 lm - CRI > 90 - BEAM 32°
1A2020000.30.20	STANDARD - 3000K - BEAM 32°	FORO VISIBILE Ø 25 mm - APPARECCHIO ESTRAIBILE PER MANUTENZIONE KIT INSTALLAZIONE OBBLIGATORIO NON INCLUSO DRIVER NON INCLUSO VISIBLE HOLE Ø 25 mm - LUMINAIRE REMOVABLE FOR MAINTENANCE COMPULSORY INSTALLATION KIT NOT INCLUDED DRIVER NOT INCLUDED

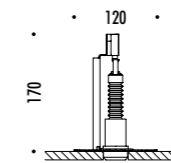
KIT INSTALLAZIONE OBBLIGATORI / COMPULSORY INSTALLATION KITS

1A2170400.00.00	NERO OPACO / MATT BLACK	FLANGIA PER CARTONGESSO 12,5 mm / PLASTERBOARD FLANGE 12,5 mm DIMENSIONI TAGLIO CARTONGESSO Ø 35 mm - SPAZIO MINIMO PER INCASSO 190 mm PLASTERBOARD CUT-OUT Ø 35 mm - MINIMUM SPACE FOR MOUNTING 190 mm
1A3980400.00.00	NERO OPACO / MATT BLACK - IP65	FLANGIA PER CARTONGESSO 12,5 mm / PLASTERBOARD FLANGE 12,5 mm DIMENSIONI TAGLIO CARTONGESSO Ø 35 mm - SPAZIO MINIMO PER INCASSO 190 mm PLASTERBOARD CUT-OUT Ø 35 mm - MINIMUM SPACE FOR MOUNTING 190 mm

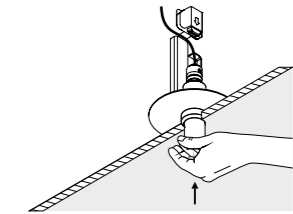
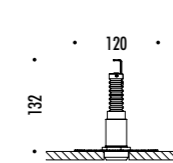




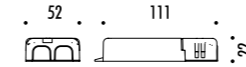
PLASTERBOARD FLANGE IP20



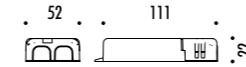
PLASTERBOARD FLANGE IP65



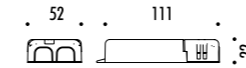
DIM PUSH - 0/1-10 V
DRIVER DIMENSION



DIM DALI
DRIVER DIMENSION

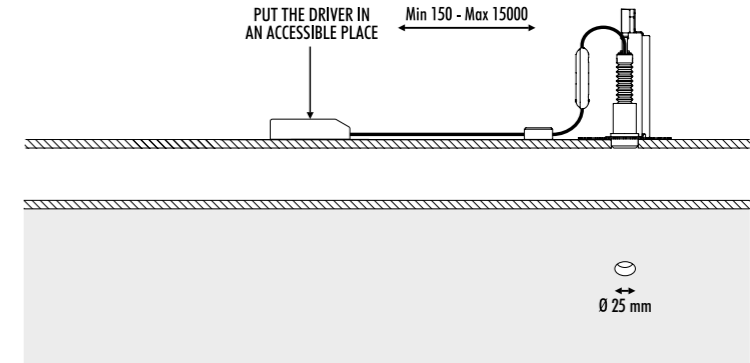


DIM TRIAC
DRIVER DIMENSION



PUT THE DRIVER IN
AN ACCESSIBLE PLACE

Min 150 - Max 15000



KIT INSTALLAZIONE OPZIONALI / OPTIONAL INSTALLATION KITS

1A2380000.00.00	STANDARD	CASSAFORMA PER LATERIZIO / PLASTER BOX DIMENSIONI 189 x 445 mm
1A2230000.00.00	STANDARD	CASSAFORMA PER CEMENTO ARMATO / CONCRETE BOX DIMENSIONI 189 x 445 mm

KIT INSTALLAZIONE OBBLIGATORI / COMPULSORY INSTALLATION KITS

1Z0240870.24	STANDARD	DRIVER INPUT (110-127 V) 220-240 V - 50/60 Hz - OUTPUT 24 V DC - (15 W) 20 W - IP20 PUSH - 0/1-10 V DIMMABLE
1Z0241180.24	STANDARD	DRIVER INPUT (110-127 V) 220-240 V - 50/60 Hz - OUTPUT 24 V DC - (15 W) 16 W - IP20 DALI DIMMABLE
1Z0240850.24	STANDARD	DRIVER INPUT 220-240 V - 50/60 Hz - OUTPUT 24 V DC - 20 W - IP20 TRIAC DIMMABLE