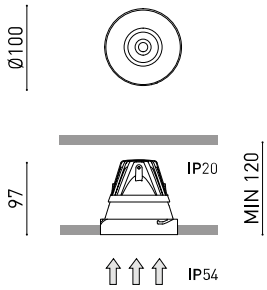
# Buddy

ARKOSLIGHT



## Größe




## Zubehör



TRIMLESS ACCESSORY (MANDATORY)



DRIVER OPTIONS



TRIMLESS TOOL




HIGH CHROMATIC LED

| | |
|---|---|
| **PRODUKT** | |
| Name | BUDDY L TRIMLESS SUPER SPOT 4000K G |
| Artikelnummer | A5681002G |
| Farbe | Gold |
| RAL | 1036 |
| Kategorie | CEILING RECESSED |
| **LICHTQUELLE** | |
| Typ | LED |
| Bruttolichtstrom | 1610 lm |
| Farbtemperatur | 4000 K |
| Farbstabilität | MacAdam Step 2 |
| Farbwiedergabeindex | CRI>90 |
| Leistung | 11,6 W |
| Lichtausbeute | 139 lm/W |
| Nutzlebensdauer der LED in Betriebsstunden | L80B10 >66.000h |
| Energieeffizienzklasse | E |
| **LEUCHTE \| PHOTOMETRISCHE DATEN** | |
| Leuchtenwirkungsgrad (LOR) | 66% |
| Abstrahlwinkel | 13° |
| UGR | < 19 |
| **LEUCHTE \| ELEKTRISCHE DATEN** | |
| Driver | Exklusiv |
| Helligkeitssteuerung | No Dim / DALI / Casambi |
| Schutzklasse | III |
| **ANDERE DATEN** | |
| Dichtigkeit | IP54 |
| Wireless control | Bitte anfragen |
| Einbaumaße | Ø105 mm |
| Gewicht | 230 g |
| Gewicht inkl. Verpackung | 351 g |
| Abmessungen der Verpackung | 190 x 142 x 114 mm |
| Stück pro Verpackung | 1 |
| Materialien | Aluminium / Polycarbonat / Polymethylmetacrylat |

CE

Die Raffinesse der Unterputzbeleuchtung. Buddy maximiert die Lichtleistung der klassischen Unterputzleuchte. Mit einem soliden und entschlossenen Design erreicht die Leuchte größere Energieeinsparungen und exquisiten Sehkomfort. Die Produktfamilie ist in mehreren Versionen mit vier verschiedenen Öffnungswinkeln erhältlich: Flood, Medium, Spot und Super Spot. Dank der Dim-to-Warm-Technologie kann Buddy die Farbintensität und -temperatur regulieren und so für mehr Komfort im Raum sorgen. Mit Tunable-White ist zudem die unabhängige Steuerung möglich. Die vier Versionen je nach Position belegen die Vielseitigkeit: Unterputz, rahmenlos, kippbar und kippbar-rahmenlos, wobei der Lichtstrom bei allen Öffnungswinkeln beibehalten wird.

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# Lichttechnische daten

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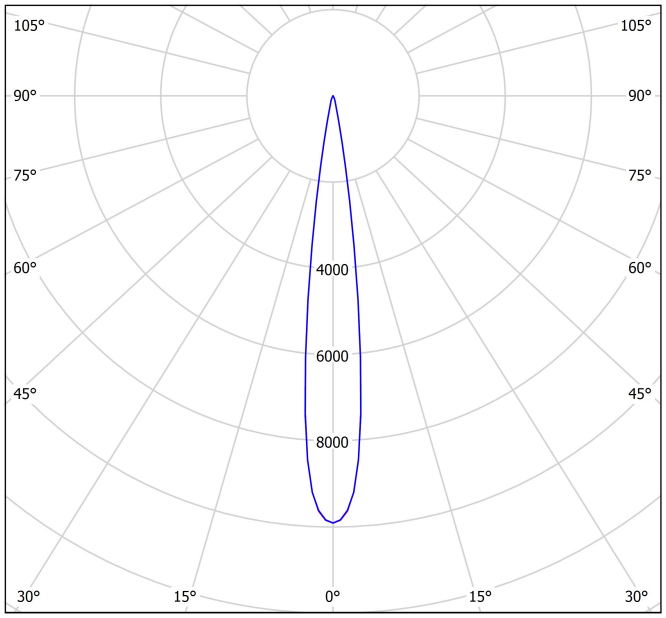
## Polar-koordinaten diagramm

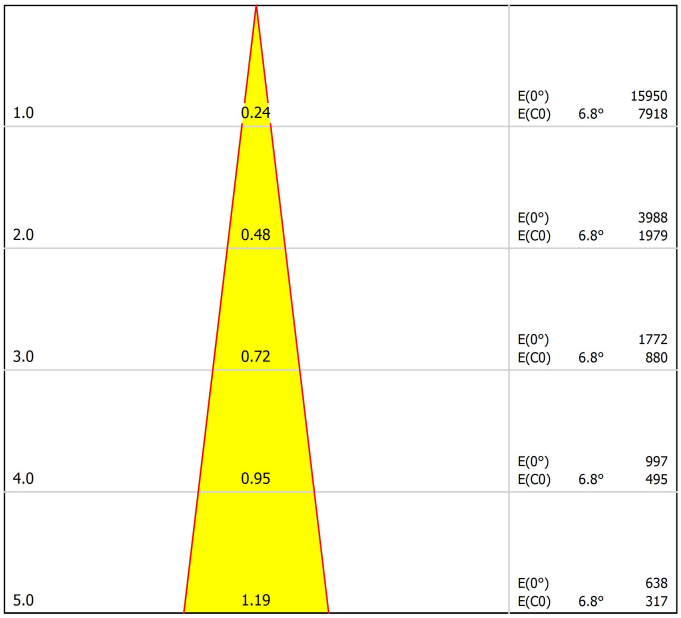



cd/klm

η = 66%

C0 - C180 C90 - C270

## Kegeldiagramm




Distance [m] Cone Diameter [m] Illuminance [lx]

C0 - C180 (Half-value Angle: 13.6°)

## UGR

**Glare Evaluation According to UGR**

| ρ Ceiling | | 70 | 70 | 50 | 50 | 30 | 70 | 70 | 50 | 50 | 30 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ρ Walls | | 50 | 30 | 50 | 30 | 30 | 50 | 30 | 50 | 30 | 30 |
| ρ Floor | | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Room Size X | Y | Viewing direction at right angles to lamp axis | | | | | Viewing direction parallel to lamp axis | | | | |
| 2H | 2H | -15.8 | -15.2 | -15.5 | -15.0 | -14.8 | -15.3 | -14.7 | -15.1 | -14.5 | -14.3 |
| | 3H | -15.9 | -15.3 | -15.6 | -15.1 | -14.9 | -15.5 | -14.9 | -15.2 | -14.7 | -14.4 |
| | 4H | -16.0 | -15.4 | -15.7 | -15.2 | -14.9 | -15.5 | -15.0 | -15.2 | -14.7 | -14.5 |
| | 6H | -16.1 | -15.6 | -15.7 | -15.3 | -15.0 | -15.6 | -15.1 | -15.3 | -14.8 | -14.5 |
| | 8H | -16.1 | -15.6 | -15.8 | -15.3 | -15.0 | -15.6 | -15.2 | -15.3 | -14.9 | -14.6 |
| | 12H | -16.1 | -15.7 | -15.8 | -15.4 | -15.1 | -15.7 | -15.2 | -15.3 | -14.9 | -14.6 |
| 4H | 2H | -15.9 | -15.4 | -15.6 | -15.1 | -14.9 | -15.5 | -14.9 | -15.2 | -14.7 | -14.4 |
| | 3H | -16.1 | -15.6 | -15.7 | -15.3 | -15.0 | -15.6 | -15.2 | -15.3 | -14.9 | -14.6 |
| | 4H | -16.1 | -15.8 | -15.8 | -15.4 | -15.1 | -15.7 | -15.3 | -15.3 | -15.0 | -14.6 |
| | 6H | -16.2 | -15.9 | -15.8 | -15.5 | -15.2 | -15.8 | -15.4 | -15.4 | -15.1 | -14.7 |
| | 8H | -16.3 | -16.0 | -15.8 | -15.6 | -15.2 | -15.8 | -15.5 | -15.4 | -15.1 | -14.7 |
| | 12H | -16.3 | -16.1 | -15.9 | -15.7 | -15.2 | -15.8 | -15.6 | -15.4 | -15.2 | -14.8 |
| 8H | 4H | -16.3 | -16.0 | -15.8 | -15.6 | -15.2 | -15.8 | -15.5 | -15.4 | -15.1 | -14.7 |
| | 6H | -16.3 | -16.1 | -15.9 | -15.7 | -15.3 | -15.9 | -15.7 | -15.4 | -15.3 | -14.8 |
| | 8H | -16.4 | -16.2 | -15.9 | -15.8 | -15.3 | -15.9 | -15.8 | -15.5 | -15.3 | -14.9 |
| | 12H | -16.4 | -16.3 | -16.0 | -15.8 | -15.4 | -16.0 | -15.9 | -15.5 | -15.4 | -14.9 |
| 12H | 4H | -16.3 | -16.1 | -15.9 | -15.7 | -15.2 | -15.8 | -15.6 | -15.4 | -15.2 | -14.8 |
| | 6H | -16.4 | -16.2 | -15.9 | -15.8 | -15.3 | -15.9 | -15.8 | -15.5 | -15.3 | -14.9 |
| | 8H | -16.4 | -16.3 | -16.0 | -15.8 | -15.4 | -16.0 | -15.9 | -15.5 | -15.4 | -14.9 |

Variation of the observer position for the luminaire distances S

| | | |
|---|---|---|
| S = 1.0H | +6.0 / -13.4 | +6.0 / -13.4 |
| S = 1.5H | +8.8 / -18.6 | +8.8 / -18.3 |
| S = 2.0H | +10.8 / -42.9 | +10.8 / -43.0 |
| Standard table | BK00 | BK00 |
| Correction Summand | -23.2 | -23.0 |

Corrected Glare Indices referring to 1610lm Total Luminous Flux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# Trimless accessory

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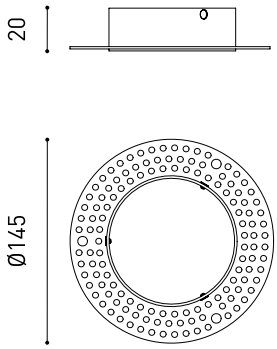


| | PRODUCT |
|---|---|
| Model | BUDDY L **Trimless Accessory** |
| Reference | **A568-10-90** |
| Material | Iron |
| Coating | Zinc plated |
| Category | Accessories |

MANDATORY FOR INSTALLATION

Ø105

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# Driver options

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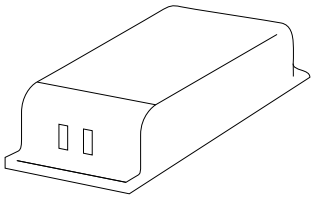

| DRIVER OPTIONS | | | P | I | CCT | Flux |
|---|---|---|---|---|---|---|
| BUDDY L 1 | NO DIM | 0433-01-37 | 8,1W | 250mA | 2700K | 1500lm |
| | | | | | 3000K | 1560lm |
| | | | | | 3500K | 1600lm |
| | | | | | 4000K | 1600lm |
| BUDDY L 2 | NO DIM | 0433-00-21 | 11,5W | 350mA | 2700K | 2010lm |
| | DALI | 0433-01-40 | | | 3000K | 2090lm |
| | CASAMBI | 0433-01-43 | | | 3500K | 2120lm |
| | PHASE CUT | 0433-01-39 | | | 4000K | 2120lm |
| BUDDY L Super Spot | NO DIM | 0433-01-38 | 11,6W | 650mA | 2700K | 1430lm |
| | DALI | 0433-01-41 | | | 3000K | 1510lm |
| | CASAMBI | 0434-01-98 | | | 3500K | 1570lm |
| | | | | | 4000K | 1610lm |
| BUDDY L Tunable White | DALI | 0433-01-42 | 11,6W | 350mA | 1800-4000K | 1270lm |
| | | | | | 2700-5000K | 1630lm |
| BUDDY L Dim to Warm | DALI | 0433-01-40 | 11,6W | 350mA | 1800-3000K | 1280lm |
| | CASAMBI | 0433-01-43 | | | | |
| | PHASE CUT | 0433-01-39 | | | | |

220 240 V~ — 48V Please Consult

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# Phase Cut dimmers compatibility

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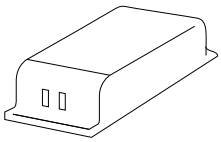

| DRIVER | |
|---|---|
| 0433-01-39 | DRIVER LED 18W PH.CUT CONFIG.350mA |

PHASE CUT DIMMERS TESTED FOR COMPATIBILITY:

| Brand / Manufacturer | Model number | Dimming Type |
|---|---|---|
| Busch | 2247U | Leading edge |
| Busch | 6523 U | Leading edge |
| Legrand | Cat 400T | Trailing edge |
| Legrand | 6708300% | Trailing edge |
| Legrand | 77006200% | Trailing edge |
| NIKO | 310-01900 | Trailing edge |
| NIKO | 310-02700 | Trailing edge |
| NIKO | 310-02800 | Trailing edge |
| OSRAM | MCU Te250 | Trailing edge |
| Siemens | 5TC8 284 | Trailing edge |
| Diginet | MEDM/LED Smart phase (DGLCDM400) | Trailing edge |
| Clipsal | 32ELEDM | Trailing edge |
| Hager B&R | WBMD400LED | Trailing edge |
| V-PRO | 250W MAX. GLS | Trailing edge |
| SG | LEDDIM 400 | Trailing edge |
| ELKO | 316 GLED | Leading edge |
| Hamilton | LEDIT-B100 | Trailing edge |
| VLTIMATE | GU6012L | Trailing edge |
| SHUTTLE | SDIM-T-LED500W | Leading edge |
| RADIANT | LEDDIMO4-500W | Trailing edge |
| GIRA | 238500% | Trailing /Leading edge |
| JUNG | 122400% | Trailing /Leading edge |

THE PARTICULAR CONDITIONS OF EACH INSTALLATION AND THE SPECIFICATIONS AND CONDITIONS OF USE OF EACH REGULATOR, MAY DIFFER FROM THOSE CONSIDERED IN THE COMPATIBILITY TESTING, AND AFFECT ITS PERFORMANCE IN SAID INSTALLATION.

FOR MORE INFO, PLEASE CONSULT

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# Trimless Tool

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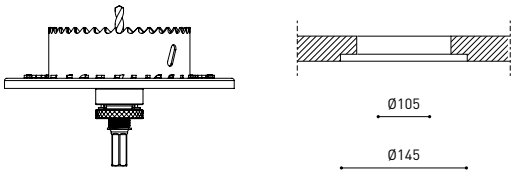
INSTALLATION GUIDE
https://youtu.be/sa_xAgj4ji4



| | PRODUCT |
|---|---|
| Model | Trimless Tool **D105 X D145 MM** |
| Reference | A478-00-06 |
| Category | Accessories |

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# High Chromatic LED

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| Vivid Model<br>Colour Temperature | 2700K | 3000K | 3500K | 4000K | Light Pink |
|---|---|---|---|---|---|
| Reading | | | ● | ● | |
| Fruits & Vegetables | | ● | ● | | |
| Bakery | ● | | | | |
| Retail | | ● | ● | | |
| Cosmetics | | | ● | ● | |
| Meat | | | | | ● |
| Fish | | | | ● | |
| Seafood | | | | ● | ● |

## High Chromatic LED

**Für die Produktpräsentation.**

Einige der Produkte von Arkoslight können mit einer Spezial-LED für die visuelle Bewerbung von Waren und Produkten zur Verkaufsförderung ausgerüstet werden.

Dabei handelt es sich um eine hochchromatische LED, um Farbtöne hervorzuheben, die positive psychologische Wahrnehmung des beleuchteten Objekts begünstigen.

Diese spezielle LED-Lichtquelle bietet eine ansprechendere und intensivere Farbpalette als eine herkömmliche LED. Dies wird durch die Konfiguration der LED nach einem “speziellen Sättigungsparameter” erreicht, der Farben und Textur der Objekte innerhalb des sichtbaren Spektralbereichs attraktiver erscheinen lässt.

Dafür wird die jeweils zweckdienliche Diode und spezifische Phosphorbeschichtung gewählt.

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# Ecodesign and Energy Labelling

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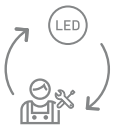



Fuente de luz (LED) reemplazable por un profesional autorizado

Replaceable (LED only) light source by an authorized professional.

Source lumineuse (LED) remplaçable par un professionnel agréé

Sorgente luminosa (LED) sostituibile da parte di un professionista autorizzato

Austauschbare (LED) Lichtquelle durch einen autorisierten Fachmann



Equipo de control reemplazable por un profesional autorizado

Replaceable control gear by an authorized professional

Dispositif de commande remplaçable par un professionnel agréé

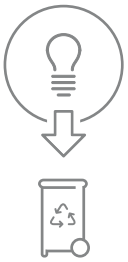
Alimentatore sostituibile da parte di un professionista autorizzato

Auswechselbares Betriebsgerät durch autorisierten Fachmann

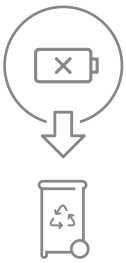
## Instrucciones para el final de vida y la eliminación de los componentes:
## Instructions on end-of-life and component disposal:
## Instructions pour la gestion des composants en fin de vie et leur mise au rebut :
## Istruzioni per il fine vita e lo smaltimento dei componenti:
## Anweisungen zur entsorgung der Leuchtenkomponenten:



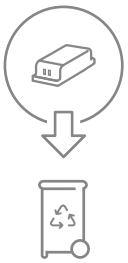
Interrumpir la alimentación del aparato
Cut the power supply to the luminaire
Couper l'alimentation du luminaire
Interrompere l'alimentazione dell'apparecchio
Stromversorgung der Leuchte unterbrechen



Quitar la(s) fuente(s) de luz para el desecho
Remove light source(s) for disposal
Retirer la (les) source(s) lumineuse(s) pour l'élimination
Rimuovere la/le sorgente/e di luce per lo smaltimento
Lichtquelle(n) zur Entsorgung entfernen

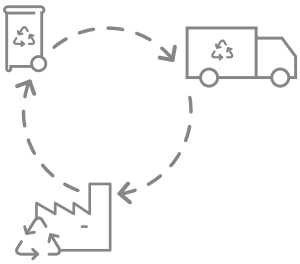


Quitar la batería para el desecho
Remove the battery for decommissioning
Retirer la batterie pour sa mise au rebut
Rimuovere la batteria per la dismissione
Die Batterie ordnungsgemäß entsorgen



Quitar el equipo de control para el desecho
Remove control gear for disposal
Retirer le dispositif de commande pour l'élimination
Rimuovere l'alimentatore per lo smaltimento
Betriebsgerät zur Entsorgung ausbauen

Enviar los materiales a un centro de recogida RAEE
Send the materials to a WEEE collection centre
Envoyer les matériaux dans une déchetterie DEEE
Inviare i materiali ad un centro di raccolta RAEE
Die Materialien in einem WEEE-Zentrum entsorgen



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