



reddot winner 2020

BETO

free standing

EN Free standing luminaire from extruded aluminium profile in angular design; extremely slim design (only 42 x 42 mm); rectangular downpipe; pedestal with recess for table base; surface powder coated; direct/indirect light distribution; direct light component with high-gloss reflector + faceted design and asymmetric radiation characteristic; indirect light component with integrated PC boards and high-quality lens system for maximum, homogeneous ceiling illumination; energy-efficient LEDs with very good colour rendering; switch installed in the downpipe; presence sensor detection range \varnothing 4.5 m on the floor (variant brightness & presence sensor); incl. connection cable (3 m) with safety plug

ES Lámpara de pie de perfil de aluminio extrusionado en versión angular; forma extremadamente esbelta (solo 42 x 42 mm); tubo cuadrado; pedestal para integrarse como base de mesa; superficie con recubrimiento de pintura en polvo; característica de emisión directa/indirecta; proporción de luz directa con reflector de alto brillo + óptica facetada y proyección asimétrica; componente de luz indirecta con pletinas propias y una elegante apariencia de lente para una claridad de techo máxima y homogénea; LEDs de alta eficiencia que proporcionan una alta reproducción cromática; interruptor montado en el tubo; zona de detección de sensor de presencia \varnothing 4,5 m en el suelo (variante brightness & presence sensor); incluye 3 metros de cable de conexión

Quickinfo

3000 K, 4000 K
 CRI \geq 80, CRI \geq 90, 3 SDCM
 up to 152lm/W
 L90 @ 50 000h
 touch DIM
 brightness & presence sensor
 reflector (UGR \leq 13)

Type



Colours



Light distributions



lighting control by
touch DIM on pole



asymmetric
illumination



SENSE sensor
on request



tunable white
2700–6500K



CRI \geq 98
XPECTRUM

Order options

| | |
|-------------------|-------------------------------------|
| BASE PLATE | <input checked="" type="checkbox"/> |
| U-shape | 4 |
| T-shape | 5 |



| | |
|---------------------------|-------------------------------------|
| COLOUR TEMPERATURE | <input checked="" type="checkbox"/> |
| 3000 K (CRI \geq 90) | 0 |
| 4000 K (CRI \geq 90) | 1 |
| 3000 K (CRI \geq 80) | 5 |
| 4000 K (CRI \geq 80) | 6 |

| | |
|--|-------------------------------------|
| CONTROL | <input checked="" type="checkbox"/> |
| touch DIM on pole | 1 |
| ESSENTIAL sensor (brightness & presence) | 7 |

| | |
|------------------------|-------------------------------------|
| MATERIAL COLOUR | <input checked="" type="checkbox"/> |
| ○ pure white RAL 9010 | 7 |
| ● jet black RAL 9005 | 8 |
| ● special colours | X |

| | |
|-------------------------|-------------------------------------|
| REFLECTOR COLOUR | <input checked="" type="checkbox"/> |
| ↗ chrome | R |
| ● dark chrome | B |

Options on request

COLOUR RENDERING INDEX
CRI \geq 98 XPECTRUM

COLOUR TEMPERATURE
tunable white 2700–6500 K
DALI-2 DT8

CONTROL
SENSE sensor (brightness, presence, temperature, sound pressure, humidity, CO₂)
cluster network DIM
dynamic daylight control (BPI)
Zigbee 3.0

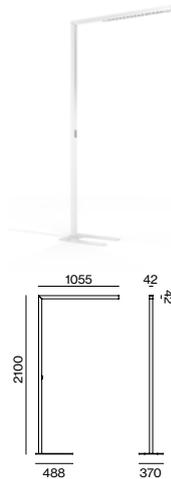
Light distributions



reflector (UGR \leq 13)
direct/indirect

reflector (UGR \leq 13)
direct/indirect power

LUMINOUS FLUX value calculated for
CRI \geq 80, colour white, reflector chrome



BETO free standing



DIRECT / INDIRECT SOFT

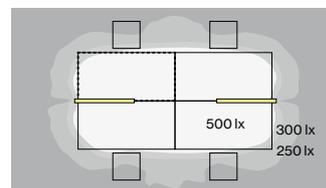
| SYSTEM POWER | COLOUR TEMP. | LUMINOUS FLUX | ORDER CODE |
|--------------|--------------|---------------|---|
| 51W | 3000K | ↓1790/↑5020lm | 074-694 <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> |
| | 4000K | ↓2030/↑5710lm | |



DIRECT / INDIRECT POWER

| SYSTEM POWER | COLOUR TEMP. | LUMINOUS FLUX | ORDER CODE |
|--------------|--------------|---------------|---|
| 66W | 3000K | ↓2020/↑6630lm | 074-695 <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> |
| | 4000K | ↓2300/↑7550lm | |

Technical data



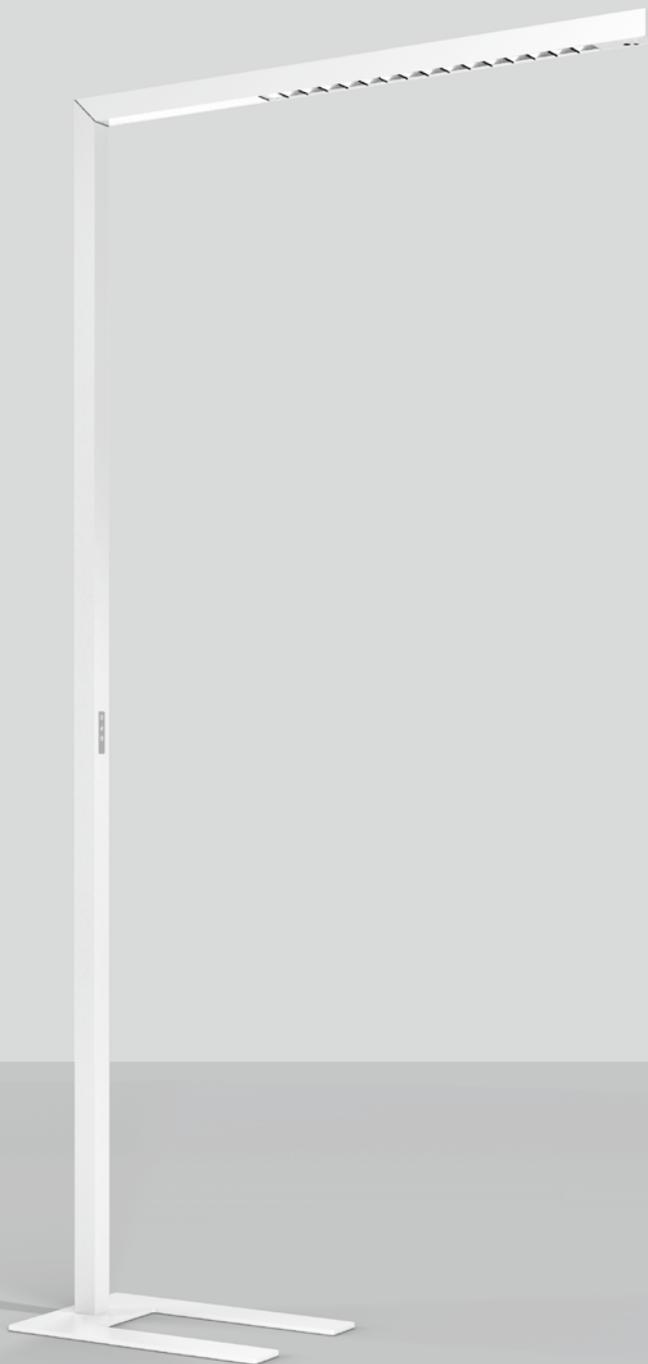
BETO free standing, 66W, 4000K
direct/indirect power

| | |
|--------------------|-----------------|
| ROOM VALUES | |
| Room dimensions | 5.4 × 4 × 2.8 m |
| Reflection factor | 0.7 0.5 0.2 |
| Maintenance factor | 0.8 |

| | |
|---------------------------------------|-----------|
| CALCULATION SURFACE | |
| Surface dimensions | 1.6 × 0.8 |
| Surface height | 0.75 |
| Average illuminance (E _m) | > 500 lx |
| Uniformity (U ₀) | > 0.6 |

| | |
|-------------------------|-----------------------|
| GLARE EVALUATION | |
| Table Classification | X=4H Y=8H S=0.25H |
| UGR transversal | ≤ 19 |
| UGR axial | ≤ 19 |





BETO

free standing

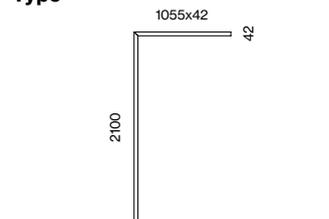
EN Free standing luminaire from extruded aluminium profile in angular design; extremely slim design (only 42 × 42 mm); square downpipe; pedestal with recess for table base; powder coated; direct/indirect light distribution; direct light component with high gloss reflector + faceted design and asymmetric radiation characteristic; indirect light component with integrated PC boards and high quality lens system for maximum, homogeneous ceiling illumination; energy-efficient LEDs with very good colour rendering; switch installed in the downpipe; presence sensor detection range ø 4.5 m on the floor (variant brightness & presence sensor); incl. Loxone Air module for easy integration into the Loxone home and building automation system; incl. connection cable (3 m) with safety plug

DE Stehleuchte aus Aluminiumstrangpressprofil in kantiger Ausführung; extrem schlanke Bauform (nur 42 × 42 mm); Standrohr quadratisch; Standfuß mit Ausnehmung für Tischfuß; pulverbeschichtet; direkt/indirekte Abstrahlcharakteristik; Direktlichtanteil mit hochglänzendem Reflektor + Facettenoptik und asymmetrischer Abstrahlcharakteristik; Indirektlichtanteil mit eigenen Platinen und hochwertiger Linsenoptik für maximale, homogene Deckenaufhellung; energieeffiziente LEDs mit sehr guter Farbwiedergabe; Schalter im Standrohr verbaut; Anwesenheitssensor-Erfassungsbereich ø 4,5 m am Fußboden (Variante brightness & presence sensor); inkl. Loxone Air Modul zur einfachen Integration in die Loxone Haus- & Gebäudeautomation; inkl. Anschlussleitung (3 m) mit Schutzkontaktstecker

Quickinfo

3000 K, 4000 K
 CRI ≥ 80, CRI ≥ 90, 3 SDCM
 up to 152lm/W
 L90 @ 50 000h
 Loxone Air
 touch DIM
 brightness & presence sensor
 reflector (UGR ≤ 13)

Type



Colours



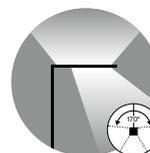
Light distributions



lighting control by Loxone Air



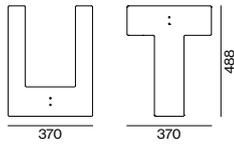
lighting control by touch DIM on pole



asymmetric illumination

Order options

| | |
|-------------------|-------------------------------------|
| BASE PLATE | <input checked="" type="checkbox"/> |
| U-shape | 4 |
| T-shape | 5 |

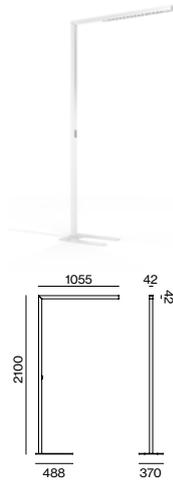


| | |
|---------------------------|-------------------------------------|
| COLOUR TEMPERATURE | <input checked="" type="checkbox"/> |
| 3000 K (CRI \geq 90) | 0 |
| 4000 K (CRI \geq 90) | 1 |
| 3000 K (CRI \geq 80) | 5 |
| 4000 K (CRI \geq 80) | 6 |

| | |
|--|-------------------------------------|
| CONTROL | <input checked="" type="checkbox"/> |
| Loxone Air incl. | T |
| touch DIM on pole | |
| Loxone Air incl. | S |
| ESSENTIAL sensor (brightness & presence) | |

| | |
|---|-------------------------------------|
| MATERIAL COLOUR | <input checked="" type="checkbox"/> |
| <input type="radio"/> pure white RAL 9010 | 7 |
| <input checked="" type="radio"/> jet black RAL 9005 | 8 |
| <input type="radio"/> special colours | X |

| | |
|---|-------------------------------------|
| REFLECTOR COLOUR | <input checked="" type="checkbox"/> |
| <input checked="" type="radio"/> chrome | R |
| <input type="radio"/> dark chrome | B |



BETO free standing



DIRECT / INDIRECT SOFT

| | | | |
|---------------------|---------------------|----------------------|---|
| SYSTEM POWER | COLOUR TEMP. | LUMINOUS FLUX | ORDER CODE |
| 51W | 3000K | ↓1790/±5020lm | 074-694 <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> |
| | 4000K | ↓2030/±5710lm | |



DIRECT / INDIRECT POWER

| | | | |
|---------------------|---------------------|----------------------|---|
| SYSTEM POWER | COLOUR TEMP. | LUMINOUS FLUX | ORDER CODE |
| 66W | 3000K | ↓2020/±6630lm | 074-695 <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> |
| | 4000K | ↓2300/±7550lm | |

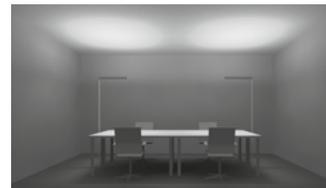
Technical data



BETO free standing, 66W, 4000K direct/indirect power

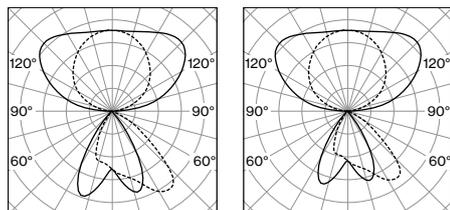
| | |
|--------------------|-----------------|
| ROOM VALUES | |
| Room dimensions | 5.4 × 4 × 2.8 m |
| Reflection factor | 0.7 0.5 0.2 |
| Maintenance factor | 0.8 |

| | |
|---------------------------------------|-----------|
| CALCULATION SURFACE | |
| Surface dimensions | 1.6 × 0.8 |
| Surface height | 0.75 |
| Average illuminance (E _m) | > 500 lx |
| Uniformity (U ₀) | > 0.6 |



| | |
|--|------|
| GLARE EVALUATION | |
| Table Classification X=4H Y=8H S=0.25H | |
| UGR transversal | ≤ 19 |
| UGR axial | ≤ 19 |

Light distributions



reflector (UGR \leq 13)
direct/indirect

reflector (UGR \leq 13)
direct/indirect power

LUMINOUS FLUX value calculated for CRI \geq 80, colour white, reflector chrome