



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  $\varnothing$  4,5m 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



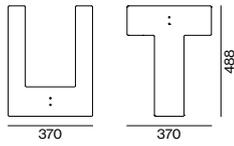
tunable white  
2700–6500K



CRI  $\geq$  98  
XPECTRUM

### Order options

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



<b>COLOUR TEMPERATURE</b>	<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

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

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

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

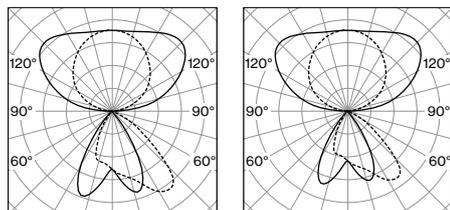
### Options on request

**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, CO<sub>2</sub>)  
cluster network DIM  
dynamic daylight control (BPI)  
Zigbee 3.0

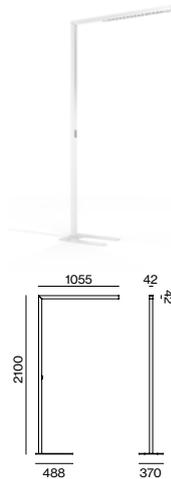
### Light distributions



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

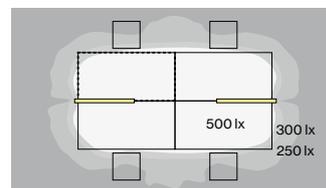
SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
51W	3000K	↓ 1790/↑ 5020lm	07 4 - 6 9 4 <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
	4000K	↓ 2030/↑ 5710lm	



#### DIRECT/INDIRECT POWER

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
66W	3000K	↓ 2020/↑ 6630lm	07 4 - 6 9 5 <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
	4000K	↓ 2300/↑ 7550lm	

### Technical data

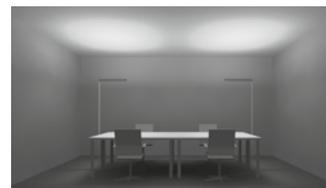


**BETO free standing, 66W, 4000K**  
direct/indirect power

<b>ROOM VALUES</b>	
Room dimensions	5.4 × 4 × 2.8 m
Reflection factor	0.7   0.5   0.2
Maintenance factor	0.8

<b>CALCULATION SURFACE</b>	
Surface dimensions	1.6 × 0.8
Surface height	0.75
Average illuminance (E <sub>m</sub> )	> 500 lx
Uniformity (U <sub>0</sub> )	> 0.6

<b>GLARE EVALUATION</b>	
Table Classification X=4H   Y=8H   S=0.25H	
UGR transversal	≤ 19
UGR axial	≤ 19





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## BETO

free standing

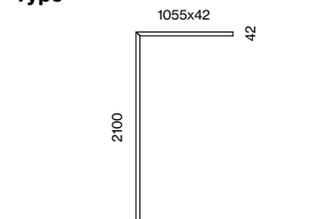
**EN** Free standing luminaire from extruded aluminium profile in angular design; extremely slim design (only 42 × 42 mm); square downpipe; pedestal with recess for table base; powder coated; direct/indirect light distribution; direct light component with high gloss reflector + faceted design and asymmetric 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



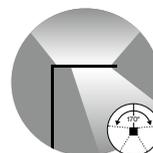
### Light distributions



lighting control by  
Loxone Air



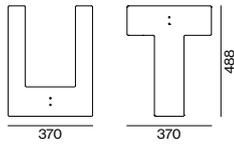
lighting control by  
touch DIM on pole



asymmetric  
illumination

### Order options

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

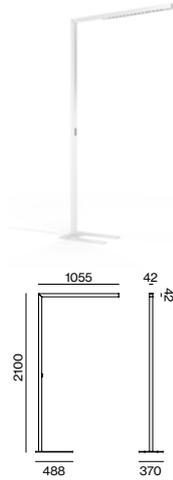


<b>COLOUR TEMPERATURE</b>	<input checked="" type="checkbox"/>
3000 K (CRI $\geq$ 90)	0
4000 K (CRI $\geq$ 90)	1
3000 K (CRI $\geq$ 80)	5
4000 K (CRI $\geq$ 80)	6

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

<b>MATERIAL COLOUR</b>	<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

<b>REFLECTOR COLOUR</b>	<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

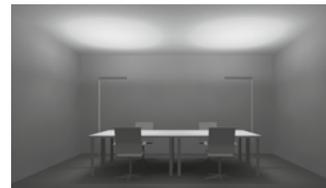
Room dimensions	5.4 × 4 × 2.8 m
Reflection factor	0.7   0.5   0.2
Maintenance factor	0.8

#### CALCULATION SURFACE

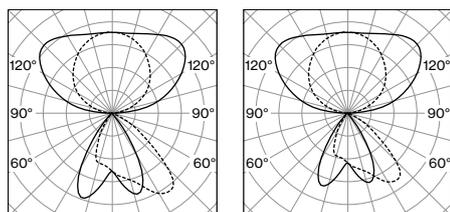
Surface dimensions	1.6 × 0.8
Surface height	0.75
Average illuminance (E <sub>m</sub> )	> 500 lx
Uniformity (U <sub>0</sub> )	> 0.6

#### 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