



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

IT Apparecchio verticale in profilo in alluminio estruso, modello con design angolare; forma estremamente sottile (solo 42 x 42 mm); stelo quadrato; piedistallo con apertura per piede tavolo; verniciatura a polvere; emissione diretta/indiretta; componente luce diretta con riflettore ad alta lucentezza con design sfaccettato ed emissione asimmetrica; luce indiretta con chip dedicati e ottica lenticolare d'alta qualità, per una luminosità estensiva ed omogenea sul soffitto; LED ad efficienza energetica con elevata resa cromatica; interruttore integrato nello stelo; sensore di presenza con raggio di rilevamento \varnothing 4,5 m sul pavimento (variante brightness & presence sensor); incl. cavo di collegamento (3 m) con spina Schuko

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

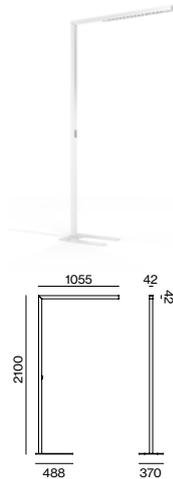
Light distributions



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

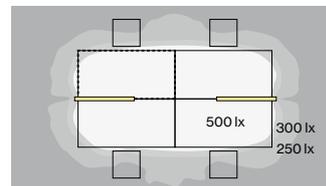
SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
51W	3000K	↓1790/↑5020lm	074-694 <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
	4000K	↓2030/↑5710lm	



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	

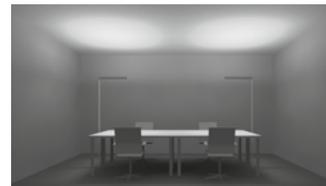
Technical data



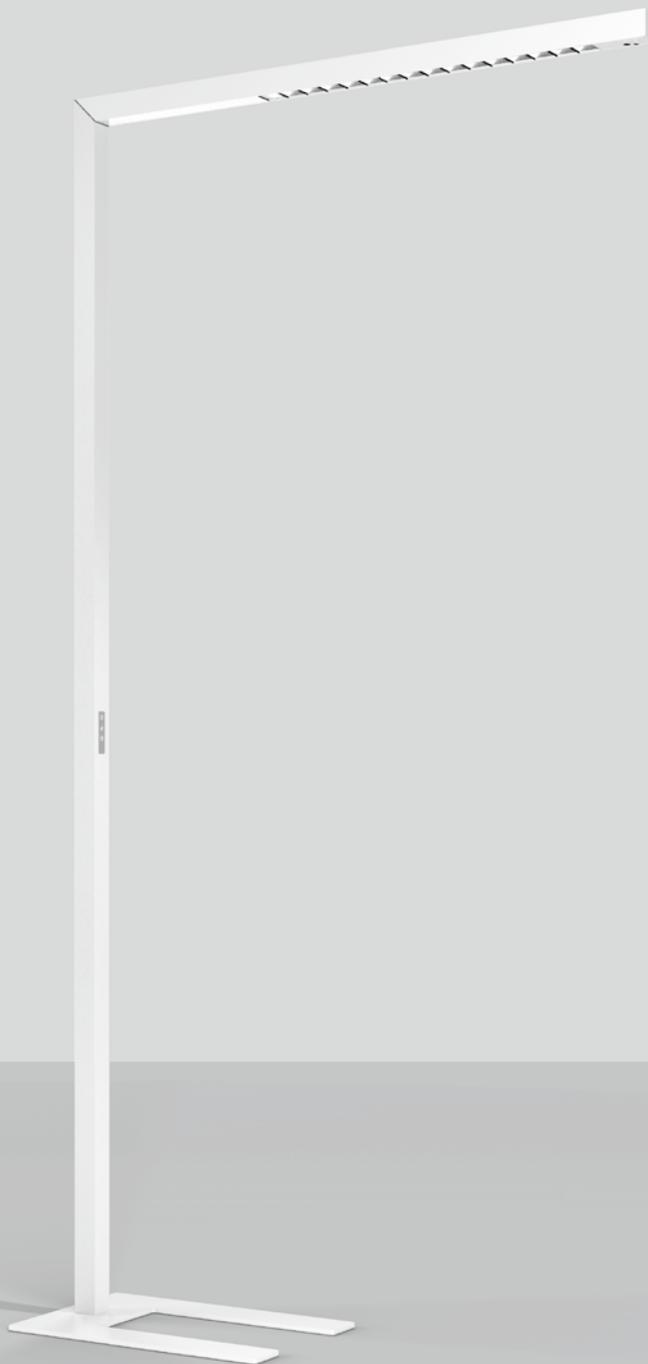
BETO free standing, 66W, 4000K
direct/indirect power

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



reddot winner 2020



BETO

free standing

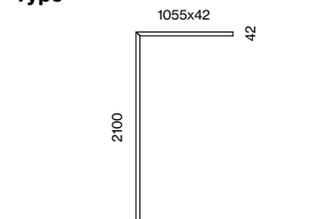
EN Free standing luminaire from extruded aluminium profile in angular design; extremely slim design (only 42 × 42 mm); square downpipe; pedestal with recess for table base; powder coated; direct/indirect light distribution; direct light component with high gloss reflector + faceted design and asymmetric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



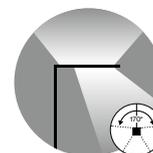
Light distributions



lighting control by
Loxone Air



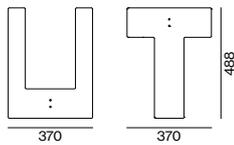
lighting control by
touch DIM on pole



asymmetric
illumination

Order options

BASE PLATE	
U-shape	4
T-shape	5

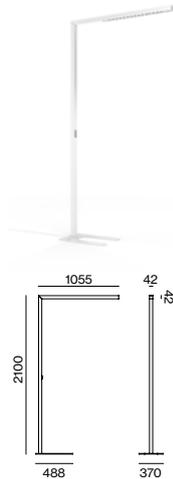


COLOUR TEMPERATURE	
3000 K (CRI \geq 90)	0
4000 K (CRI \geq 90)	1
3000 K (CRI \geq 80)	5
4000 K (CRI \geq 80)	6

CONTROL	
Loxone Air incl.	T
touch DIM on pole	
Loxone Air incl.	S
ESSENTIAL sensor (brightness & presence)	

MATERIAL COLOUR	
<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="radio"/> chrome	R
<input type="radio"/> dark chrome	B



BETO free standing



DIRECT / INDIRECT SOFT

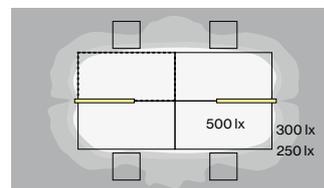
SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
51W	3000K	↓1790/±5020lm	074-694
	4000K	↓2030/±5710lm	



DIRECT / INDIRECT POWER

SYSTEM POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
66W	3000K	↓2020/±6630lm	074-695
	4000K	↓2300/±7550lm	

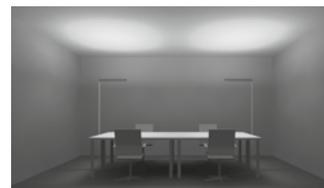
Technical data



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

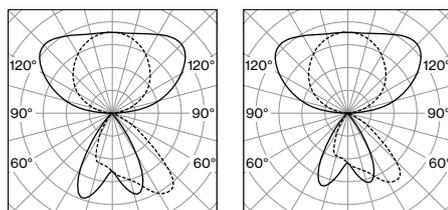
ROOM VALUES	
Room dimensions	5.4 × 4 × 2.8 m
Reflection factor	0.7 0.5 0.2
Maintenance factor	0.8

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