

PRODUCT SPECIFICATION

BIFROST Downlight 50 deg

Article no: 100037



SOLUTION DESCRIPTION

PRODUCT DESCRIPTION

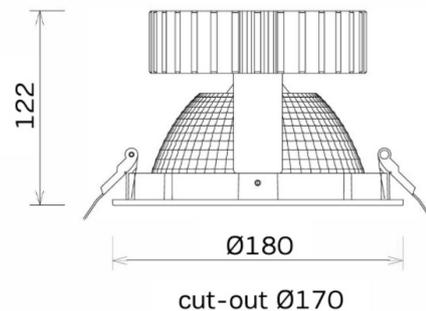
The BrainLit Bifrost is a medium sized, dynamic, recessed LED downlight that brings life and contrast to any room. It provides balance to the emotional experience of a space. By dynamically adjusting its color temperature anywhere between cold white (6500K) to warm white (2700K) you can transform the ambience of a room and promote the circadian alignment. The BrainLit Bifrost embraces the black body curve with exceptional color rendering while dimming smoothly down to 0.1%.

AREAS OF USE (examples)

Office	High Value Offices / High Risk Offices / Meetings & Seminar Rooms
Industrial	High Value Manufacturing / High Risk Operations / Control Rooms
Education	Conference Centres / Class Rooms
Hospitality	Customer Interaction Centres / Receptions / Conference Centres / Terminals / Lounges / Premium Room Settings
Healthcare	N/A
Residential	Nursing Homes / Elderly Care / Luxury Room Settings

MEASUREMENTS / PACKAGING

Weight (kg)	1,2
Size LxWxH (mm)	NAxNax122
Diameter (mm)	180
Box quantity	1
Boxed size LxWxH (mm)	205x198x141
Boxed weight (kg)	1,5
UGR 4H 8H	17,2



Driver size LxWxH (mm): 185x44x31

MARKET AVAILABILITY

EMEA EU



PRODUCT TECHNICAL SPECIFICATION

LIGHT PROPERTIES

Light source type	LED
LED color temperature	6500K-2700K
Color rendering	CRI/Ra >90
Lumen output	1800lm
mDER range	45%-93%
Beam angle	54°
Dimming range	0,1% - 100 %
Flicker handling	$P_{st}^{LM} \leq 1$, SVM $\leq 0,4$, IEEE 1789 comp.
Lifetime	0,91 (LLMF 50 000h) >100 000h (L70B50)

POWER PROPERTIES

Rated input power	21 W
Efficacy*	94 lm/W
Supply voltage range	220-240V
Supply power frequency	50/60Hz
Maximum circuit breaker loading (no of luminaires):	B10 B13 B16 C10 C13 C16 @230V 66 86 106 66 86 106
DALI device type	6
DALI-2 compliant	Yes
Power supply and DALI connector	WAGO WINSTA® 0,5m

MECHANICAL PROPERTIES

Colors	White matte (RAL 9003)
Material	Aluminum
Configuration	Recessed downlight
Mounting	Recessed
IP rating	20
Certifications	CE
Warranty	5 years

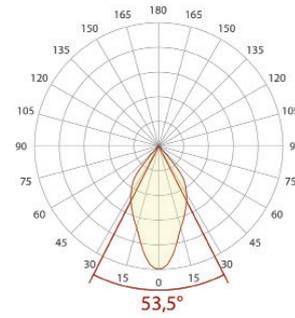
*At maximum intensity and CCT

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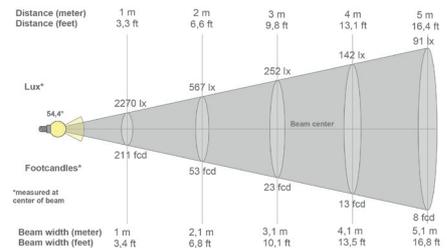
TYPICAL CHARACTERIZATION DATA

Light distribution

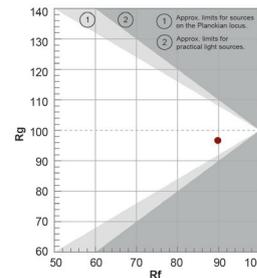
Light distribution



Beam description



Color rendering TM-30



Color rendering CRI, (CIE 1931)

CRI: 96,1, R1-R8

