



Moodspot+LP WRGB1465 LED-Module

The Moodspot+LP WRGB1465 Downlight is an extensive True Tunable White Downlight combined with a full colour mix RGBW spectrum, specially designed for house lighting for theatre, auditorium and entertainment applications.

The Moodspot has perfect Warm Dimming and True CCT tuning modes from 6500K to 1400K due to the Black Body Locus tracking and dims flicker-free to 0.0%.

The internal IZI-Link+ hybrid LED driver is HD camera proof and features various user modes for seamless switching between Warm Dimming, Advance Tunable White and RGBW modes.

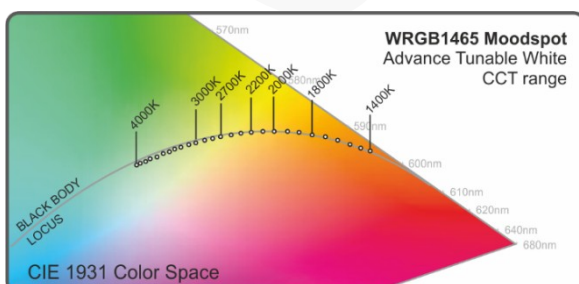


Key features:

- **True Tunable White**
Black Body Locus curve tracking for perfect white tones
- **Full colour RGBW spectrum**
For stunning and full colour effects
- **CCT-tuning from 6500K down to 1400K**
Seamless CCT control for creating the right atmosphere
- **Flicker free dimming to 0.0%**
HD camera proof due to the unique hybrid dimming technology
- **Vibrant and natural light quality**
Fully calibrated LED-Engine with high CRI with very good RED values (Ra>90, R9>90)
- **Modular hardware design**
Recessed, bracket, rail and pendant versions available
- **IZI interchangeable optics and covers**
Low glare reflector design with high quality color mixing
- **IZI-Link+ enabled Downlight**
No data cabling required thanks to the IZI-Link+ 2-wire 48VDC powerline communication technology



Black Body Locus curve tracking for perfect white tones



IZI to connect

No separate data cabling (DMX or Ethernet) is needed thanks to the unique 2-wire 48VDC IZI-Link+ powerline communication technology

IZI to configure:

The free IZI Supervisor Windows application makes it easy to remotely set up and configure multiple types of Moodspots and other IZI-Link+ system components

IZI to Control:

The IZI-Link+ system supports all most common protocols as:
DMX512A, RDM, sACN, Art-Net, OSC

Specifications:

LED-engine:	Colour temperature:	1400K~6500K / True CCT-Tuning mode
	RGBW Colour mix:	RGBW tuning mode
	Colour rendering:	Ra > 95 / R9 > 90 (CCT @ 3000K)
	IES RM30-15:	Rf: 92 / Rg: 105 (CCT @ 3000K)
	TLCI-2012:	90 (CCT @ 3000K)
	UGR (70-50-20 / 4H-12H):	15°: 21.0 / 24°: 21.1 / 36°: 21.3 / 60°: 22.2
	Colour variation:	< 3 MacAdam Elipse
	LED-engine:	1059lm @ RGBW 100%
		White = 2400K with Ra: <95 and R9:<90
	System lumens:	- 802lm @ 4000K (with 24° lens optic) - 800lm @ 3000K (with 24° lens optic) - 918lm @ R+B+G+W (with 24° lens optic) Lumen output depends on type of optic
	Dimming range:	Smooth dimming to 0.0%
	User-modes:	True Tunable White, True Warm Dimming and RGBW
	Luminous efficacy:	> 77lm/Watt @ 3000K
Power:	Power supply:	48VDC IZI-Link+ system
	Power supply range:	40 ~ 52VDC – Shut down < 40VDC
	Current:	300mA maximum
	Consumption:	12Watt maximum
User modes:	Tunable White, Warm Dimming and RGBW:	10 selectable user modes incl. 16bits and Dynamic Select modes
	CCT-range:	WD-mode: Default 1400K~3000K – User select 1400K~6500K ATW-mode: Default 1400K~4000K – User select 1400K~6500K
Build-in LED-driver:	Control system:	IZI-Link+ (2-wire 48VDC powerline communication)
	Hybrid dimming technology:	HDS (Hybrid Dynamic System), Flicker-free and HD Camera proof
	PWM-frequency:	28kHz Dynamic
Control:	IZI-Link+ system	Art-Net / sACN / DMX512 / RDM via the 2-wire 48VDC IZI-Link+ Power Line Communications system
Miscellaneous:	Available lens optics:	15° / 24° / 36° / 60°
	Material:	Extruded aluminum housing, PMMA lens
	Lifespan:	> 50.000 hours L90 [10K], Ta = 25°C
	Operation ambient temperature (Ta):	0°C ~ +40°C
	Weight:	240 grams
	IP-Rating:	IP20 (IP44)
	Cable length:	300mm 2-core wire
	Connection:	WAGO 770-252 / Winsta MIDI / 2-pole (Counterpart: WAGO 770-242)
Accessories:	Accessories:	Recessed fittings / Snout / Honeycomb / Barndoors
	Connectors:	WAGO male & female / T-block
LED-module options:	Versions: (Soon available)	Recessed / Bracket / Track-Rail versions / Pendant
	Colour:	Black / White (other colours on request)
Certifications:	Listings:	CE, UKCA, RoHS, cDEKRAus pending

Moodspot+LP WRGB user modes

Mode-name:		DMX-channels:							CCT/Color range:
		1	2	3	4	5	6	7	
M1	Master RGBW	Master	R	G	B	W	-	-	RGBW
M2	RGBW	R	G	B	W	-	-	-	RGBW
M3	TrueTW	Level	CCT	-	-	-	-	-	1400-4000K ⁽¹⁾ (1400-6500K) ⁽²⁾
M4	TrueWD	Level	-	-	-	-	-	-	1400-3000K ⁽¹⁾ (1400-6500K) ⁽²⁾
M5	Dynamic Auto6	Master	CCT	R	G	B	W	-	1400-4000K ⁽¹⁾ (1400-6500K) ⁽²⁾
M6 ⁽¹⁾	Dynamic Select6	Master	R	G	B	W/CCT	Control	-	1400-4000K ⁽¹⁾ (1400-6500K) ⁽²⁾
M7	Dynamic Select7	Master	CCT	R	G	B	W	Control	1400-4000K ⁽¹⁾ (1400-6500K) ⁽²⁾
M8	TrueTW 16bit	Master Course	Master Fine	CCT	-	-	-	-	1400-4000K ⁽¹⁾ (1400-6500K) ⁽²⁾
M9	TrueWD 16bit	Master Course	Master Fine	-	-	-	-	-	1400-3000K ⁽¹⁾ (1400-6500K) ⁽²⁾
M10	Dynamic Select6 16bit	Master Course	Master Fine	R	G	B	W/CCT	Control	1400-4000K ⁽¹⁾ (1400-6500K) ⁽²⁾

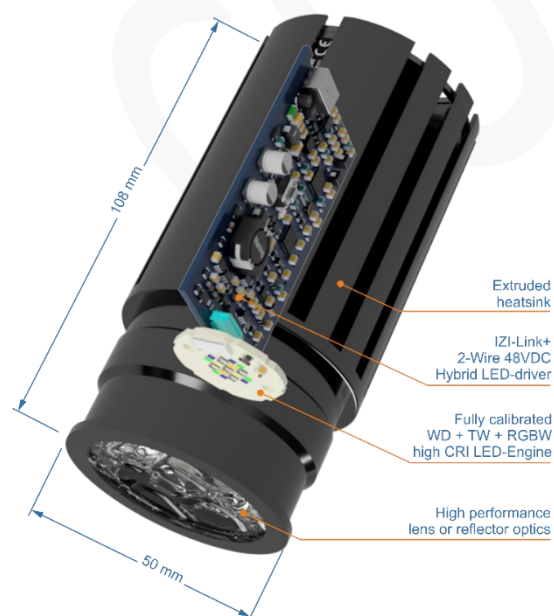
⁽¹⁾ Default factory setting

⁽²⁾ CCT-range parameters can be configured in the IZI-Supervisor

Mode M6/M7/M10 Control channel:

DMX-value:	Mode:	CCT/Color range:	
0-80	TrueWD	1400-3000K ⁽¹⁾ (1400-6500K) ⁽²⁾	Warm Dimming with Black Body Locus Tracking
90-160	TrueTW	1400-4000K ⁽¹⁾ (1400-6500K) ⁽²⁾	Tunable White with Black Body Locus Tracking
170-255	Master RGBW	RGBW	Full RGBW colour spectrum

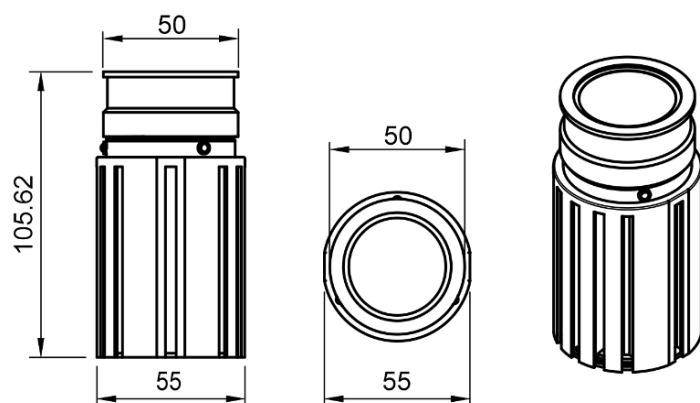
Moodspot+LP technology in detail



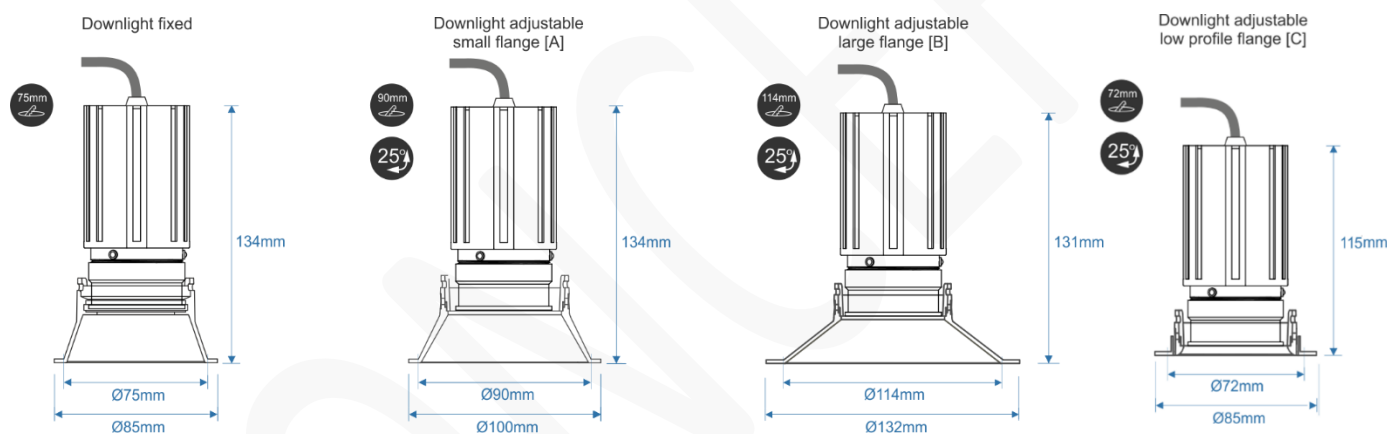
PRELIMINARY

Specifications are subject to change without notice

Dimensions LED-module

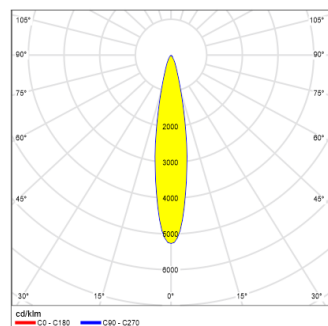


Moodspot+LP Architectural Recessed Fittings

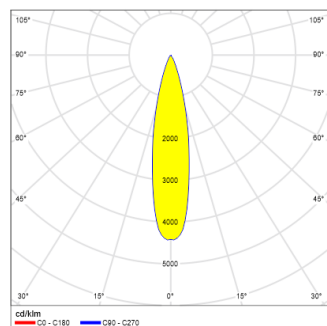


Photometric data

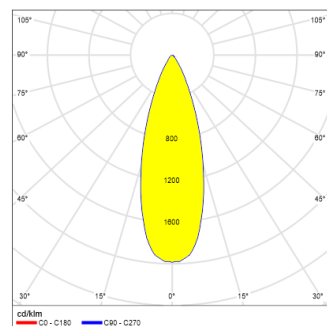
Polar chart 15° optic



Polar chart 24° optic



Polar chart 36° optic



Polar chart 60° optic

