



Moodspot+ WRGB1465 LED-Module

The Moodspot+ WRGB1465 is a new generation downlight that brings unmatched flexibility to architectural and entertainment lighting. Where most luminaires come in separate versions, the Moodspot+ WRGB1465 combines **Warm Dimming, Tunable White, and full RGBW color control** into a single, powerful fixture—without compromise.

Designed for theatres, auditoriums, and premium house lighting, the Moodspot+ WRGB1465 delivers a high-quality light output with an exceptionally high CRI. Its advanced Warm Dimming and CCT tuning follow the Black Body Locus, smoothly ranging from 6500K down to a candle-like 1400K, and dimming completely flicker-free to 0.0%. When creative freedom is required, the full RGBW engine opens the door to rich colors and subtle accents.

Powered by the internal IZI-Link+ hybrid LED driver, the Moodspot+ WRGB1465 uses reliable two-wire powerline communication and is fully HD camera-proof. Seamless switching between Warm Dimming, Advanced Tunable White, and RGBW modes makes this fixture truly versatile—one solution for every atmosphere, every application.

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 and 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



IZI to connect

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

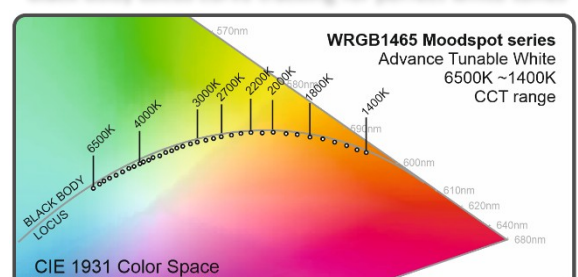
IZI to configure:

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

Black Body Locus curve tracking for perfect white tones



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 / 25°: 21.1 / 40°: 21.3 / 60°: 22.2
	Colour variation:	< 3 MacAdam Ellipse
	LED-engine:	3000lm @ RGBW 100%
		White = 2400K with Ra: <95 and R9:<90
	System lumens:	- 2411lm @ 6500K (with 25° lens optic) - 2331lm @ 4000K (with 25° lens optic) - 2234lm @ 3000K (with 25° 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:	> 70lm/Watt @ 6500K
Power:	Power supply:	48VDC IZI-Link+ system
	Power supply range:	40 ~ 52VDC – Shut down < 40VDC
	Current:	730mA maximum
	Consumption:	35Watt 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 reflector optics:	Spot / Medium / Flood / Wide Flood
	Material:	Extruded aluminum housing, PMMA lens
	Lifespan:	> 50.000 hours L90 [10K], Ta = 25°C
	Operation ambient temperature (Ta):	0°C ~ +40°C
	Weight:	950 grams
	IP-Rating:	IP20 (IP44)
	Cable length:	500mm 2-core wire
	Connection:	WAGO 770-252 / Winsta MIDI / 2-pole (Counterpart: WAGO 770-242)
Accessories:	Diffuser plates	Wide range of options available
	Accessories:	Snout / Honeycomb / Barndoors
	Connectors:	WAGO male & female / T-block
LED-module options:	Versions:	Recessed / Bracket / Track-Rail versions / Pendant
	Colour:	Black / White (other colours on request)
Certifications:	Listings:	CE, UKCA, RoHS

PRELIMINARY

Moodspot+ WRGB1465 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⁾

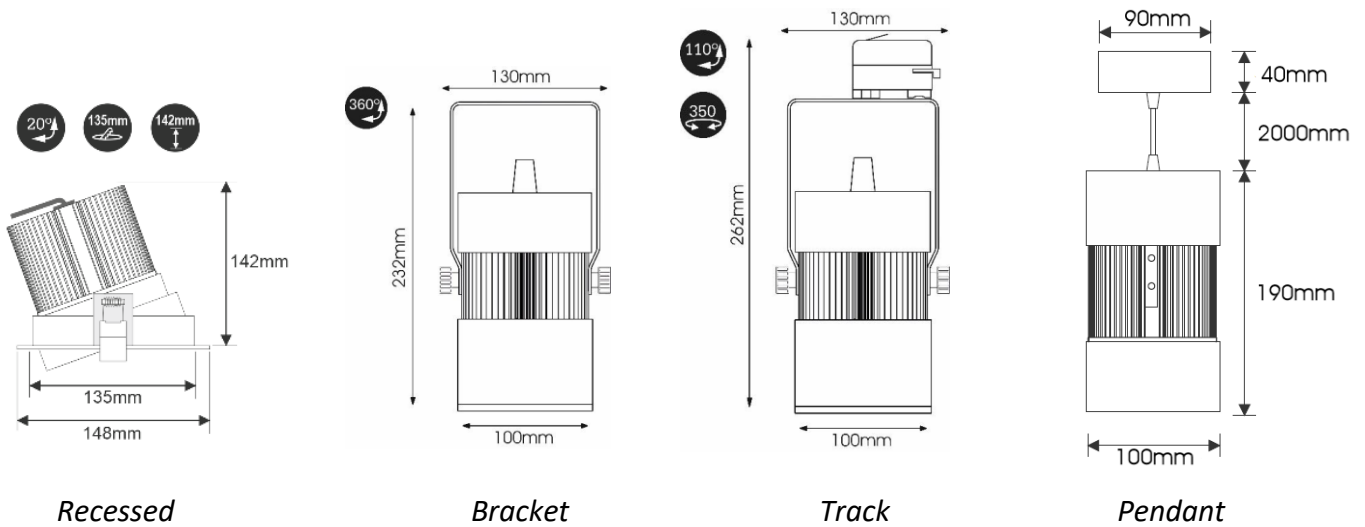
⁽¹⁾ Default factory setting

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

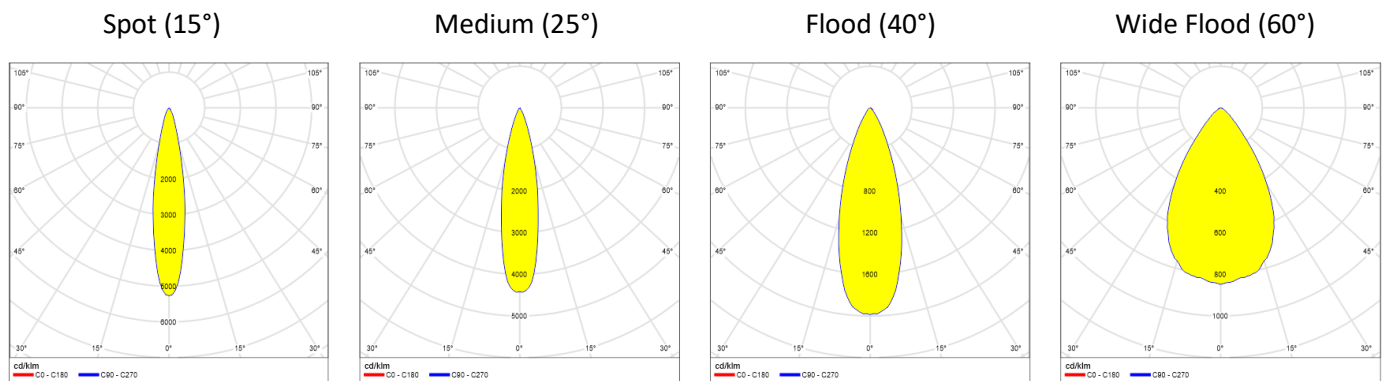
Mode M6/M7/M10 Control channel:

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

Dimensions LED-module



Photometric data



PRELIMINARY

Specifications are subject to change without notice

www.tde-lighttech.com

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