

Moodspot WRGB1465 LED-downlight

Technical specifications:

LED-engine:	Colour temperature:	1400K~6500K / CCT-Tuning mode
	RGBW Colour mix:	RGBW tuning mode
	Colour rendering:	Ra > 95 / R9 > 95 (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 Elipse
	LED-engine:	3000lm @ 4000K
	System lumens:	- 2500lm @ 4000K (with 25° optic) - 2300lm @ 3000K (with 25° optic) - 2100lm @ 2700K (with 25° optic) Lumen output depends on type of optic
	Dimming range:	Smooth dimming to 0.0%
Power:	User-modes:	CCT-tuning, WarmDimming and WRGB
	Luminous efficacy:	> 73lm/Watt @ 4000K > 67lm/Watt @ 3000K
	Power supply:	48VDC IZI-Link system
	Current:	750mA
Build-in LED-driver:	Consumption:	34 Watt
	Control system:	IZI-Link (48V powerline communication)
Miscellaneous:	Hybrid technology:	Flicker-free and HD Camera proof
	PWM-frequency:	24kHz dynamic
Accessories:	Beam-angle:	25° / 40° / 60°
	Material:	Aluminum housing, PMMA reflector
	Lifespan:	> 50.000 hours L80 [10K]
	Weight:	940 grams
	IP-Rating:	IP20
	Cable length:	300mm 2-core wire
	Connection:	WAGO 770-252 / Winsta MIDI / 2-pole
	Diffuser plates:	Wide range of options available
Versions:	Accessories:	Snout / Honeycomb / Barndoors
	Connectors:	WAGO male & female / T-block
Control:	Housings:	Recessed / Bracket / Pendant / Track
	Colours:	Black or white finish
Control:	IZI-Link:	Art-Net / sACN / DMX512 via the IZI-Link Power Line Communications system. More info @ www.tde-lighttech.com



Bracket version with optional canopy heat sink

The Moodspot WRGB1465 is an **Advanced Tunable White Downlight** combined with **full colour mix RGBW spectrum**, specially designed for **houselights for Theatre, auditorium and entertainment applications**.

The Moodspot embraces the **Black Body Locus tracking** for **CCT-tuning** and **WarmDimming** with **perfect white tones** down to **1400K** and dims **flicker-free to 0%**.

The internal **IZI-Link Hybrid LED driver** has built-in **advanced user modes** for seamless switching between **Warm-Dimming, Advance Tunable White and RGBW modes**.

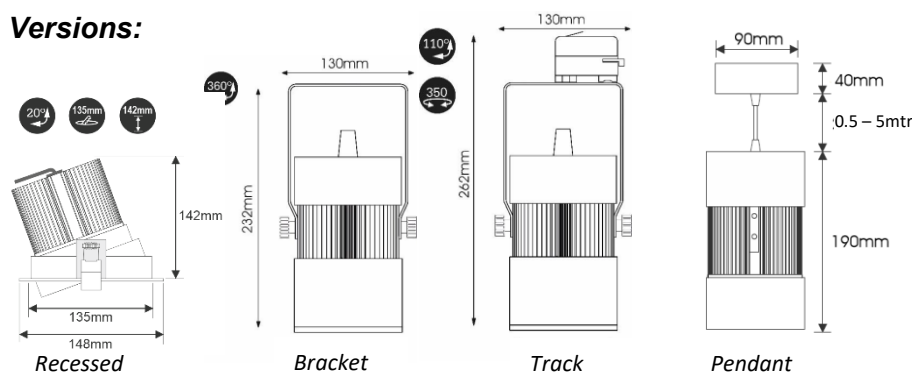
Features:

- Advance Tunable White 1400K~6500K
CCT-range and full RGBW colour mix
- Perfect white tones by tracking the Black Body Locus (ATW)
- Selectable ATW/WD and WRGB user modes
- Smooth and flicker-free dimming to 0.0%
- Very high CRI and R9 values
- High lumen output with 3000lm LED engine
- (HD) Camera proof
- Lifespan > 50.000+ hours
- No data wiring needed because of the IZI-Link Power Line Communication system

Warranty: 5 years



Versions:



Moodspot WRGB user modes:

		DMX-channels:							CCT/Color range:
Mode-name:		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 or 1400-6500K ⁽¹⁾
M4	TrueWD	Level	-	-	-	-	-	-	1400-3000K
M5	Dynamic Auto6	Master	CCT	R	G	B	W	-	1400-4000K or 1400-6500K ⁽¹⁾
M6 ⁽²⁾	Dynamic Select6	Master	R	G	B	W/CCT	Control	-	1400-4000K or 1400-6500K ⁽¹⁾
M7	Dynamic Select7	Master	CCT	R	G	B	W	Control	1400-4000K or 1400-6500K ⁽¹⁾

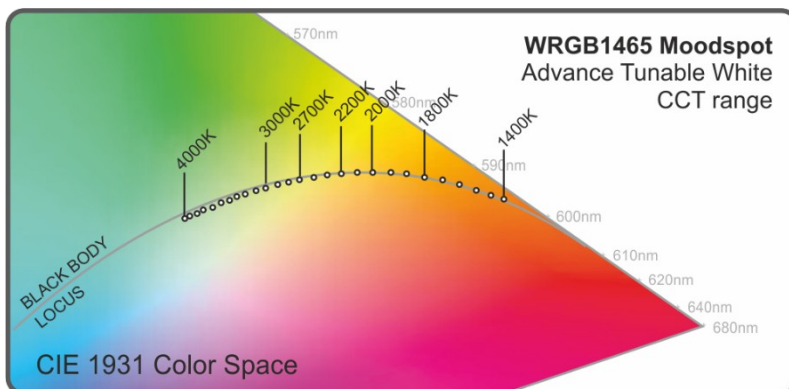
⁽¹⁾ CCT-range can be configured by IZI-Manager

⁽²⁾ Default factory setting

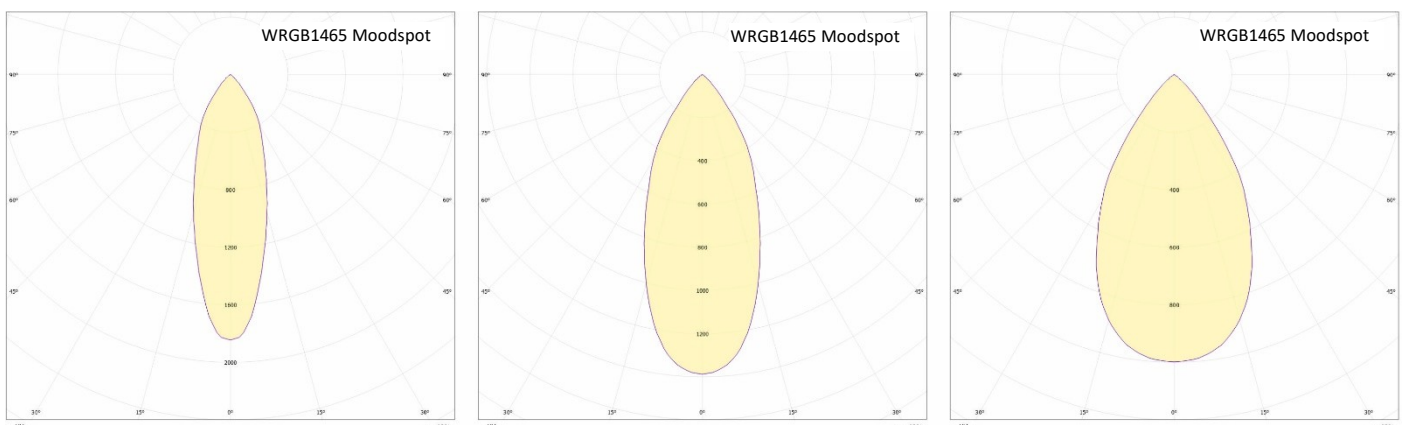
Mode M6/M7 Control channel:

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

CCT-Tuning / Black body locus:



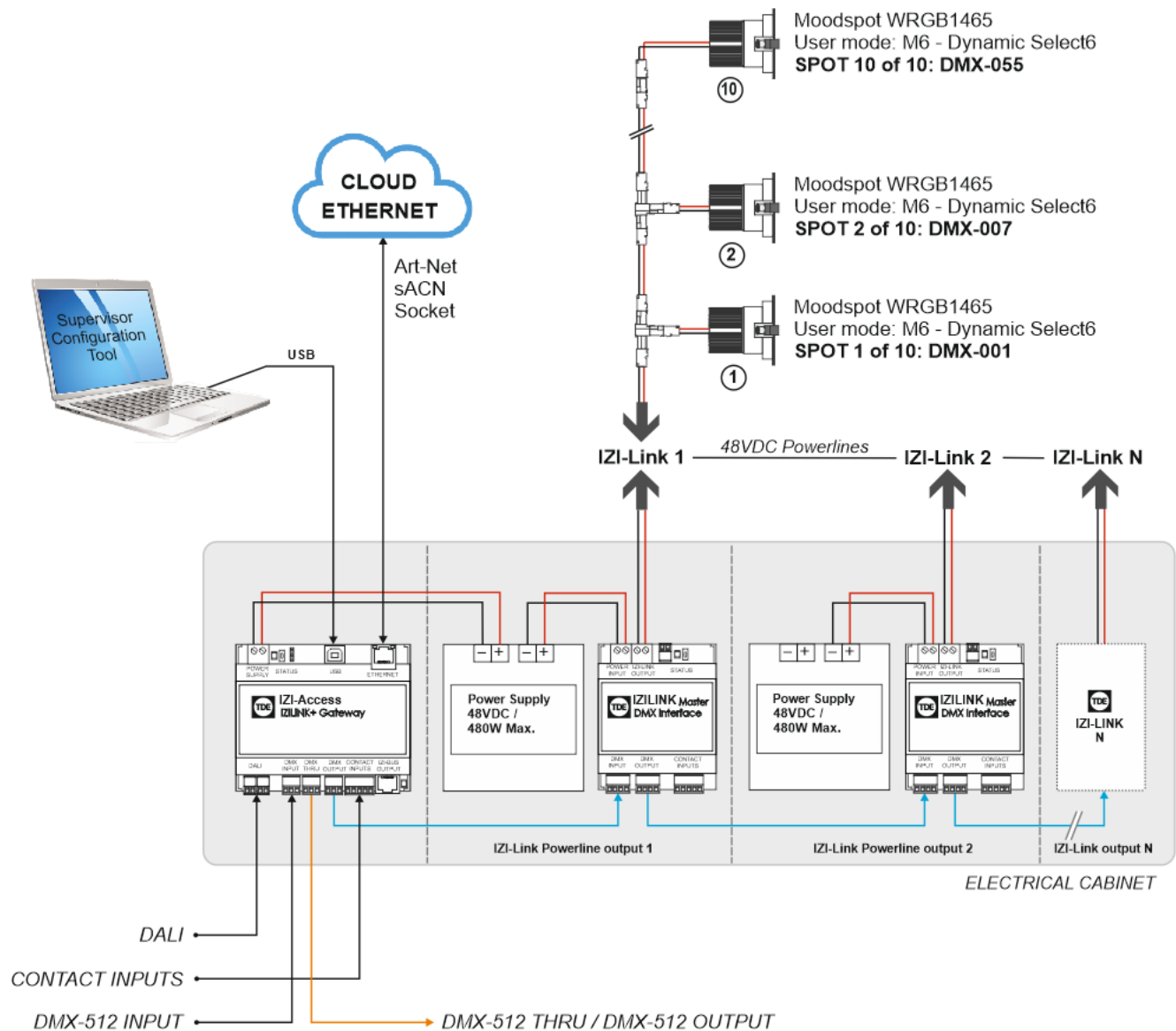
Photometric data:



IZI-Link Powerline communication system

A **unique feature** of the Moodspot series of products is the integrated **IZI-Link Powerline communication system**. With this IZI-Link system **no data-wiring is required** for commissioning and controlling the luminaires in a lighting system. All communication takes place via the IZI-Link low-voltage 48VDC Powerline communication system in which each luminaire can be addressed and controlled individually.

Below is an example of a simplified IZI-Link lighting system setup:



The heart of the IZI-Link light system is the IZI-Access which acts as a gateway to connect your DMX source (via Ethernet or hardwired) to the IZI-Link system. For each IZI-Link powerline output a 48VDC power supply and an IZI-Link DMX-interface is required as shown in the image here above. The maximum power of a single IZI-Link powerline is 480Watts. If the total power of connected luminaires exceeds 480Watts, multiple IZI-Link powerline supplies and DMX-interfaces must be added to power the entire IZI-Link lighting system.

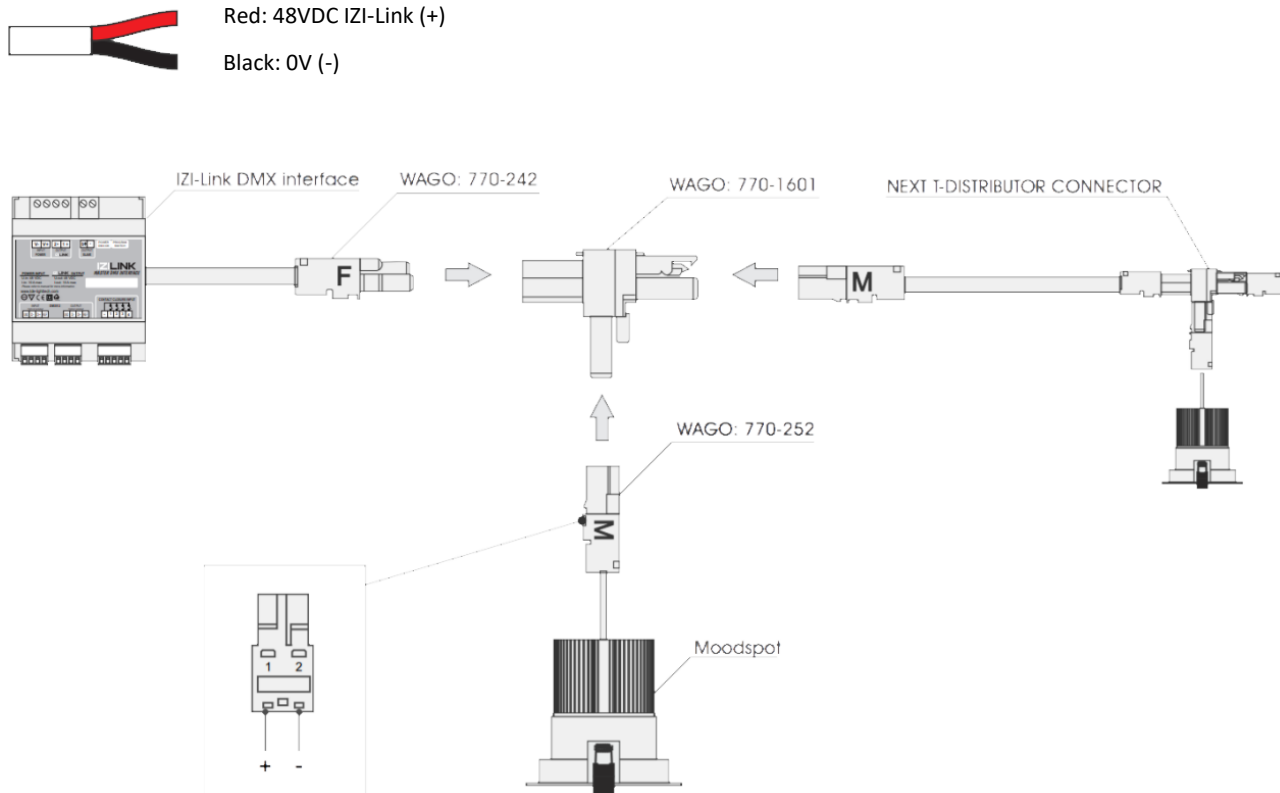
In the example above, 10 Moodspot WRGB1465 luminaires are connected to the first IZI-Link 1 powerline output. All spots are individually addressed with the user-mode set to 'Dynamic Select6' to obtain the most out of the features of the WRGB1465 Moodspots.

Please visit our website for further information about our IZI-Link system: www.tde-lighttech.com

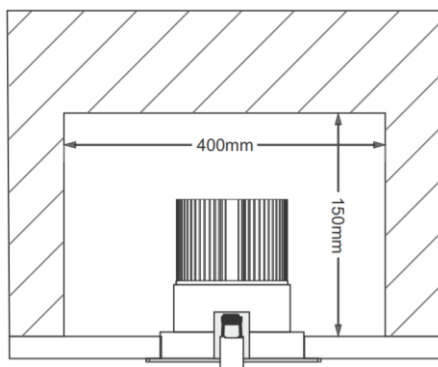
Moodspot and IZI-Link Connections

The Moodspot WRGB1465 Downlight LED spot is supplied as standard with a 300mm 2-core connection cable with mounted WAGO 770-242 connector for connection to the IZI-Link system.

WAGO H + T-splitters parts are available for wiring the IZI-Link system and connecting the Moodspot fixtures to each other. For the IZI-Link wiring, we recommend a minimum wire size of 2.5 mm² to minimize voltage losses across the cable.



Minimum spacing recessed version:



Luminaire not suitable for covering with thermal insulating materials. Allow air to flow freely around the fixture.

Moodspot WRGB1465 ordercodes (V1.5):

The Moodspot WRGB1465 series is supplied as a modular concept according to the customer's wishes. There are many options available, making the Moodspots very universally applicable.

Inquire about the options at your local dealer.

Below you will find a brief overview of all available Moodspot parts:

WRGB LED-module:	MOOD-9100000	WRGB1465 LED-module
Body kit:	MOOD-9300000 MOOD-9300100	WRGB1465 Body kit, Black WRGB1465 Body kit, White
Recessed kit:	MOOD-0310000 MOOD-0310100	Moodspot Recessed kit, Black Moodspot Recessed kit, White
Bracket kit:	MOOD-0320000 MOOD-0320100	Moodspot Bracket kit, Black Moodspot Bracket kit, White
Pendant kit:	MOOD-0330000 MOOD-0330100	Moodspot Pendant kit, Black Moodspot Pendant kit, White
3P-Track kit:	MOOD-0340000 MOOD-0340100	Moodspot 3P-Track kit, Black Moodspot 3P-Track kit, White
Wallmount kit:	MOOD-0360000	Moodspot Wallmount kit, Black
Reflector kit:	MOOD-3100015 MOOD-3100025 MOOD-3100040 MOOD-3100060	WRGB1465 Reflector Kit, 15° (incl. frontcover and diffuser) WRGB1465 Reflector Kit, 25° (incl. frontcover and diffuser) WRGB1465 Reflector Kit, 40° (incl. frontcover and diffuser) WRGB1465 Reflector Kit, 60° (incl. frontcover and diffuser)

Accessoires:

Moodspot fixture accessoires:	MOOD-0350000 MOOD-0350100 MOOD-0000000 MOOD-4010006 MOOD-4010007 MOOD-0000005	Moodspot Canopy - heat sink part - Black Moodspot Canopy - heat sink part - White Barndoor, Black Moodspot Snoot 75mm, length 50mm, Black Moodspot Snoot 75mm, length 90mm, Black Honeycomb, Black
Cover plates:	MOOD-0200005 MOOD-0200010	Reflector 74mm Cover plate Clear Reflector 74mm Cover plate Diffuse
Diffuser plates:	MOOD-0200015 MOOD-0200020 MOOD-0200025 MOOD-0200030	Reflector 74mm Cover plate, Small Hexagonal structures Reflector 74mm Cover plate, Medium Hexagonal structures Reflector 74mm Cover plate, Large Hexagonal structures Reflector 74mm Cover plate, linear textures for Oval Lighting
Pendant cable:	FIRS-3010030 FIRS-3010090	Pendant cable per meter - Black Pendant cable per meter - White
Connections:	WAGO-3010155 WAGO-3010160 WAGO-3010165 WAGO-3010170 WAGO-3010185 WAGO-2010180	T-distributor 2-pole (770-1601) H-distributor 2-pole (770-1680) 2-pole Female connector (770-242) 2-pole Male connector (770-252) Strain relief 2-pole connector (770-502) Mounting tool (770-382)