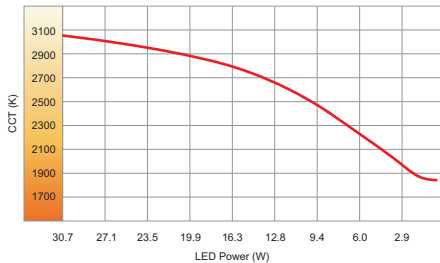


## Detailed data sheet

1809/2018

### Warm dimming 3000K to 1800K



<b>3 step</b> MacAdam Ellipse Initial	<b>L70/B50</b> 50.000h	<b>Ra</b> 95
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Interior  
spot lights  
downlight series

LIGHT SOURCE BY  


## Product description

KARIN MAX Warm Dim Series support the Bridgelux Vesta Dim-To-Warm Series that is a cost-effective, solid state lighting package. KARIN MAX Warm Dim Series, tap into the powerful mediums of light and color to influence experience, well-being, and human emotion. They allow fixtures to simulate the familiar glow and dimming of incandescent lamps. Comes in varial CCT from 1800K to 3000K and in flux led lumens of 2840, delivering CRI(Ra) of 95, high R values across all 15 CIE color samples and available in 3 MacAdam steps.

## Features

- Supports the Vesta Dim-To-Warm Series COBs of Bridgelux
- LED power 30,7W
- LED luminous flux of 2840lm
- Variable CCT from 1800k to 3000K
- CRI Ra 95
- UGR : <22.9
- Four beam angles
- Available only with phase cut (Trailing edge) driver
- Wide angle Pan & Tilt rotation
- Easy selection among one of the 3 phases of the track
- Two colours
- Easy installation in track system
- Fast relocation within the track system with a single move

## Areas of application

- Foyers
- Lobbies
- Receptions
- Retail shops
- Halls
- Museums
- Offices
- Conference rooms
- Galleries

## Specifications

<b>Light source</b>	LED COB by BRIDGELUX
<b>Luminaire lumens</b>	Refer to Photometric Data
<b>Led Power consumption</b>	30.7W
<b>Luminaire power consumption</b>	33.7W
<b>LED current</b>	900 mA
<b>LED Lumens</b>	2840 lm
<b>LED Efficacy (LPW)</b>	93 lm/W
<b>Luminaire Efficacy (LPW)</b>	Refer to Photometric Data
<b>Color Temperature (CCT)</b>	1800K - 3000K
<b>Color Rendering Index (Ra-8)</b>	CRI95
<b>Gamut Area Index (GAI<sub>bb</sub>)</b>	<b>3000K:</b> GAI <sub>bb</sub> : 112 / Rr: 93 / R <sub>g</sub> :104
<b>IES TM-30 (R<sub>f</sub>) (R<sub>g</sub>)</b>	<b>1800K:</b> GAI <sub>bb</sub> : 95 / Rr: 93 / R <sub>g</sub> : 99
<b>Initial color consistency</b>	3 SDCM
<b>Lumen maintenance</b>	L70/B50 at 50000 hours
<b>Product type</b>	Downlight spot for track systems
<b>Ceiling type</b>	Any type of ceiling
<b>Material</b>	Spot: aluminum Driver case: aluminum die-cast Heatsink: aluminum Reflector: polymer

<b>Color</b>	White, Black
<b>Optics</b>	High gloss reflector: 17°, 25°, 40°, 60°
<b>Cover</b>	Clear (Tempered glass)
<b>Accessories</b>	Honeycomb
<b>Light distribution</b>	Rotationally symmetric
<b>Dimming</b>	Phase Cut (Trailing edge)
<b>Power supply voltage</b>	220-240VAC /50-60Hz
<b>Power factor</b>	≥ 0,93
<b>Flicker Free</b>	No
<b>Unified Glare Rating (UGR)</b>	Refer to Photometric Data
<b>Ambient temperature range</b>	-10°C / +40°C
<b>Protection class</b>	CLASS I
<b>Ingress Protection</b>	IP40
<b>Mechanical impact</b>	IK03
<b>Connection</b>	3 Phase track adaptor
<b>Dimensions &amp; weight</b>	Refer to Dimensions & Weight
<b>Pan rotation (horizontal plane)</b>	320°
<b>Tilt rotation (vertical plane)</b>	145°
<b>Compliance</b>	LVD directive, EMC directive, RoHS
<b>Luminaire Energy Class</b>	A

- Notes.**
1. All above values are typical.
  2. Absolute range of luminous flux is ±10% of typical value.
  3. Specifications are subject to change without notice

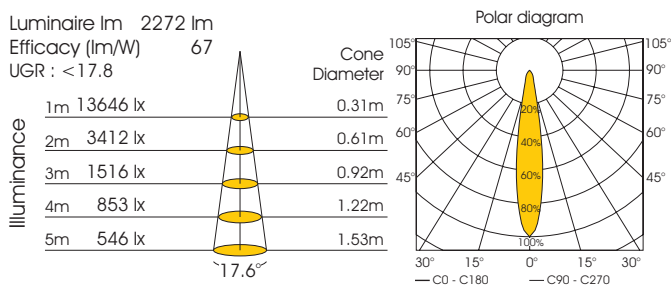
## Driver operation

### Phase Cut Drivers

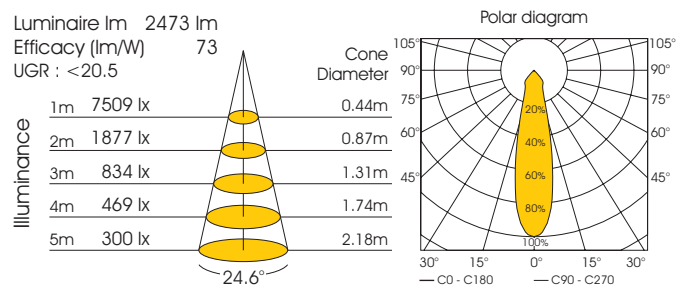
- Light regulation 0/1 - 100%.
- Compatible with Trailing edge (IGBT) dimmers.

## Photometric data

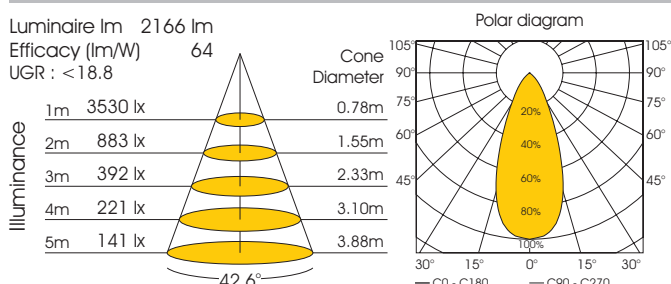
### Power 33.7W Reflector 17° (typ.) with Clear cover



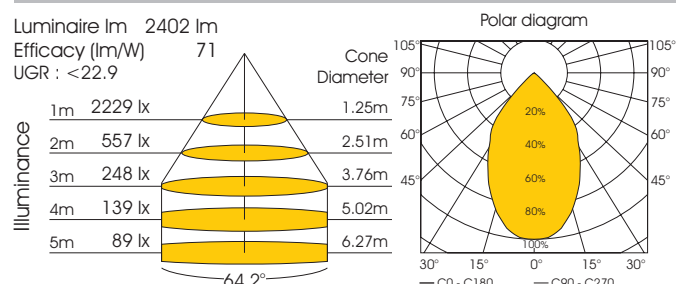
### Power 33.7W Reflector 25° (typ.) with Clear cover



### Power 33.7W Reflector 40° (typ.) with Clear cover



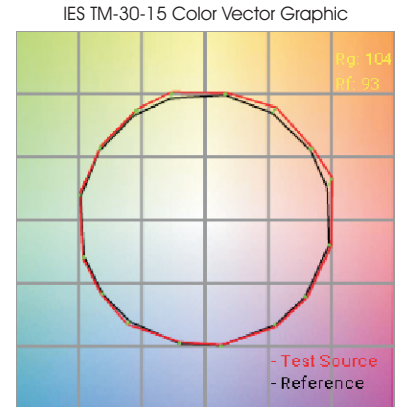
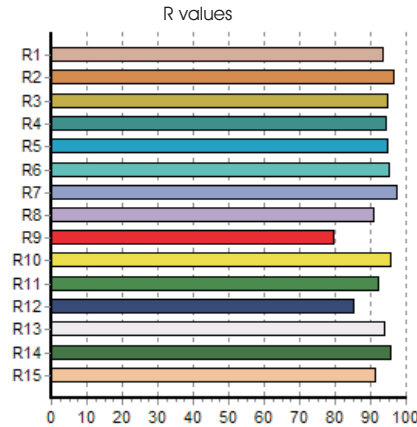
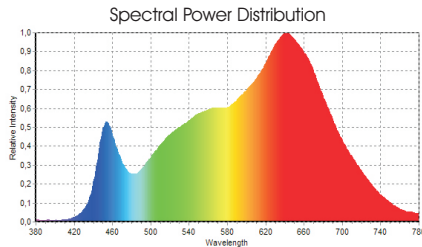
### Power 33.7W Reflector 60° (typ.) with Clear cover



## Color metric data

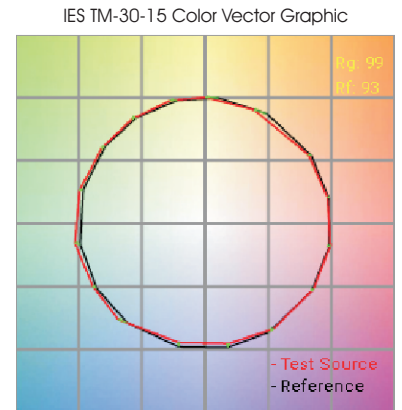
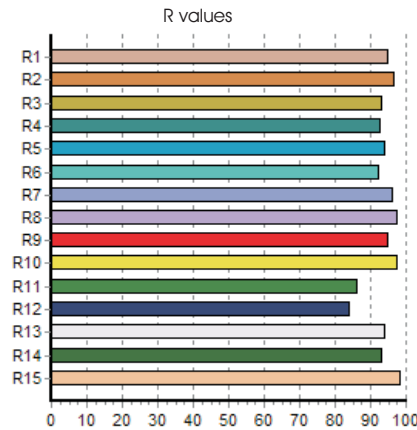
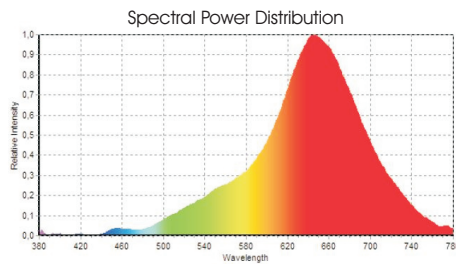
### Values at 100% of LED current

Color Temperature : 3000K (typ)  
 Color Rendering Index: CRI(Ra): 95 CRI(Re): 93  
 Gamut Area Index: GAI(BB8): 112 GAI(BB15): 115  
 IES TM-30-15 Fidelity Index: Rf 93  
 IES TM-30-15 Gamut Index: Rg 104

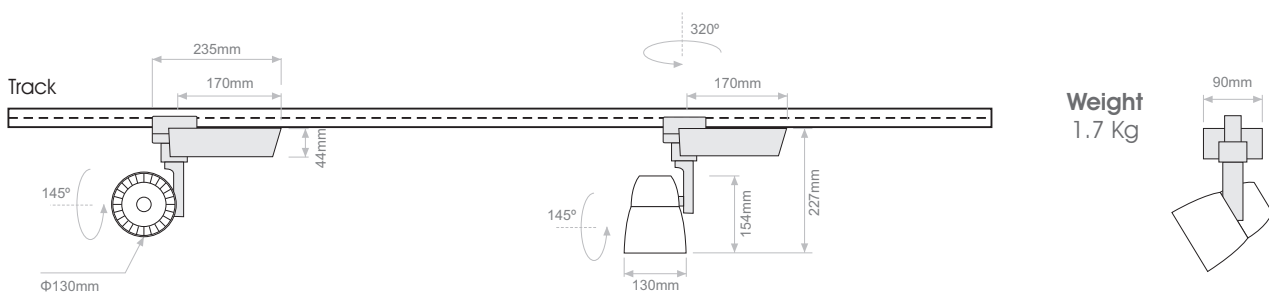


### Values at 5% of LED current

Color Temperature : 1800K (typ)  
 Color Rendering Index: CRI(Ra): 95 CRI(Re): 94  
 Gamut Area Index: GAI(BB8): 95 GAI(BB15): 100  
 IES TM-30-15 Fidelity Index: Rf 93  
 IES TM-30-15 Gamut Index: Rg 99



## Dimensions & weights



## Electrical Installation

### Maximum loading of automatic circuit breakers

Model power	33.7W
Circuit Braker	B10A / B16A
Phase cut driver	31 / 50

### Notes.

- Actual quantities may differ due to used circuit breaker types and installation environment.
- In PHASE-CUT models, when a Leading edge dimmer is used, the total power of luminaires must not exceed the 1/5 of the dimmer power.

## Installation guide

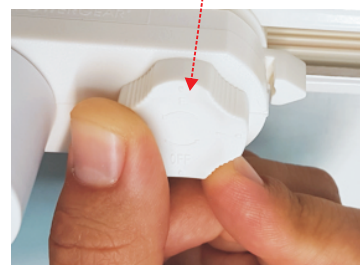
### 1 Preparations

- Step 1**  
Place the phase selection switch to "OFF" position.
- Step 2**  
KARIN MAX WD can only be placed to the track system with its left side connected to the left side of the track.



### 3 Phase selection

- Step 1**  
Select number 1, 2 or 3 by turning the selection switch for the phases 1, 2 and 3 accordingly.



### 2 Connection

- Step 1**  
Dock KARIN MAX WD to the desired position in the track system.
- Step 2**  
Secure KARIN MAX WD from the back side by turning the safety switch clockwise.
- Step 3**  
Secure KARIN MAX WD from the front side by turning the safety switch clockwise.



Note: For undocking you must first place the phase selection switch to "OFF" position.

## Ordering code information

Model (Led Power)	Colour Temperature	LED Lumen	Type	CRI	Beam Angle	Colour	Dimming Option	Accessories
<b>KARIN MAX WD 30.7W</b> <i>(KARIN MAX WD30)</i>	<i>(1830B2840)</i> 1800K - 3000K 2840lm		<i>(AD)</i> Adjustable	<i>(95)</i> 95	<i>(17)</i> 17° <i>(25)</i> 25° <i>(40)</i> 40° <i>(60)</i> 60°	<i>(WH)</i> White <i>(BL)</i> Black	<i>(PC)</i> Phase Cut (trailing Edge dimmer)	<b>COVER</b> <i>(0)</i> Standard <i>(2)</i> Honeycomb ↓ <i>(XX)</i> <b>EXTRAS</b> <i>(/0)</i> No Extras

Ordering Code Example:

**KARIN MAX WD30 - 1830B2840 - AD - 95 - 40 - BL - PC - 00**

Model

Colour  
Temperature

LED  
Lumen

Type

Colour  
Rendering

Beam  
Angle

Colour

Dimming  
Option

Accessories

Means: KARIN MAX WD 30.7W, 1800-3000K, 2840lm, Adjustable, CRI95, 40°, Black, dimming with Phase Cut control and Standard accessory.

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At the end of its lifetime, the product must be delivered in a special waste collection center. The improper disposal can cause damages for the environment and poses dangers for the human health.