

KALYPSO True Color IQ White/RGB IP67

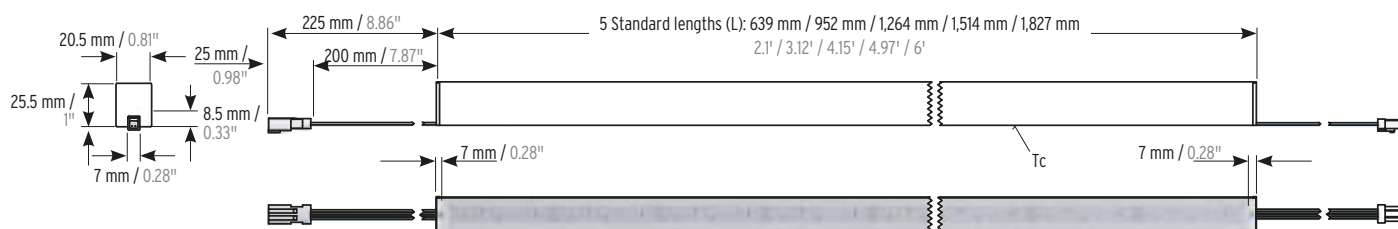
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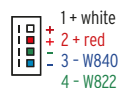
24 V, IP67 protected and IK10 certified, linear surface-mounted LED luminaire with small form factor. Polyurethane encapsulation offering a premium water proof sealing (values), UV resistance (no coloration or increase of absorption) chemical stability against urban gases and protection against abrasion. A thin air channel between the LEDs and the encapsulation compound enables an optimum rendition of the LED spectrum (no color shift). Extruded H-shaped aluminum profile painted in white with cable groove on its backside. Delivered with male/female IP67 connectors and translucent end caps for a perfect fixture to fixture light overlap. Allows the use of 3 linear lenses (15°, 30° or 60°) integrated in the encapsulation material. Ideal solution for wall grazing (10°) or wide flood illumination (30° and 60°) with precise light control in outdoor or humid environments. Light source assembled using state of the art automated Reel to Reel (R2R) production process supporting LED Linear™ Tj Away® thin flexible circuit board technology. In

combination with ceramic LED packages an optimal heat dissipation (junction to installation surface) is achieved which guarantees an outstanding lifetime of > 60,000 hrs L80/B10 for tunable white and 30,000 hrs for RGB. Embeds for tunable white centered high quality LEDs with 3 step MacAdams (SDCM3) binning on target CCT (One Bin Only) with an extended photometric code of Wxxx/339 ensuring an exceptional color consistency over the rated lifetime. Premium color rendition with a CRI of 85 and TM-30-15 up to $R_i = 86 / R_g = 98$ ensuring a remarkable light quality. Consistent light intensity all along the luminaire length is obtained thanks to active current regulation operated by dedicated integrated circuits (ICs) on each step. Protected against electrostatic discharge $\pm 2,000$ V and polarity miswiring. Fully PWM dimmable for frequency > 0 Hz up to 2 kHz (flicker free for frequency higher than 1.2 kHz according to IEEE P1789 standard). Engineered and produced in Germany.

Dimensions & available lengths



a) IQ White



b) RGB



Clear encapsulated LED light line with lenses

Finish: White powder coated

Tc-point (Case temp.) on the rear side of the module

Electrical & output data

Voltage	24 Volt (23 V _{min} , 25 V _{max})
Temperature ^B	T _{Cmin} = -25°C / -13°F, T _{Cmax} = 70°C / 158°F
Storage temperature	T _{Smin} = -30°C / -22°F, T _{Smax} = 85°C / 185°F
Ambient temperature	T _{Amin} = -25°C / -13°F, T _{Amax} = specific, see Table below

KALYPSO True Color	IQ White ATON HD12	IQ White ATON HD24	RGB HD20
Power (W/m / W/ft) ^A	12 / 3.7	24 / 7.3	22 / 6.7
Efficacy (lm/W) ^A	58	60	35
CRI / R9	85 / 20	85 / 20	-
max. serial run length (m / ft)	5 / 16.4	4 / 13.1	4 / 13.1
max. Ambient temperature (T _{Amax})	40°C / 104°F	40°C / 104°F	45°C / 113°F

LED tape	Color temperature ^C	Color (λ _d) ^A	lumen/meter (lm/m) ^A lumen/feet (lm/ft) ^A
IQ White ATON HD12	W822 (2,200 K) - W840 (4,000 K)	-	700 / 213
IQ White ATON HD24	-	-	1,440 / 439
RGB HD20	-	622 (R)/532 (G)/466 (B)	690 / 219

^A The given data are typical values. Due to tolerances of the production process and the electrical components, values for light output and electrical power can vary up to 10%.

^B The Tc-point should be measured in thermal equilibrium according to IEC EN 60598-1.

^C In case of IP67 products, tolerances in the color temperature can occur.

UV protected

Resistant to solvents

Saltwater resistant

Temporary immersion protection

Impact resistant (suitable for walk over)

No color shift

Order code

Your order code	KALYPSO TC	_____	_____	_____	IP67
Order code example	KALYPSO TC	IQ W ATON HD12	1827	60	IP67

LED tape

IQ White ATON HD12	IQ White ATON HD12
IQ White ATON HD24	IQ White ATON HD24
RGB HD20	RGB HD20

Length

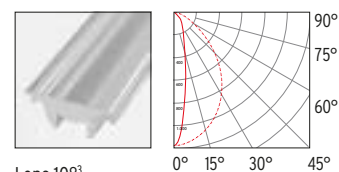
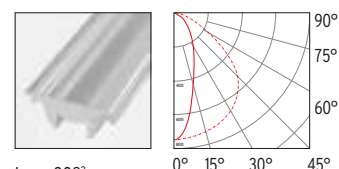
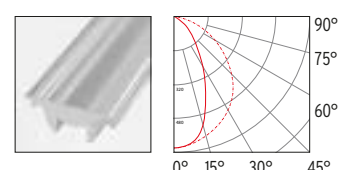
639 mm (2.1') (2 clips recommended)	0639
952 mm (3.12') (2 clips recommended)	0952
1,264 mm (4.15') (3 clips recommended)	1264
1,514 mm (4.97') (3 clips recommended)	1514
1,827 mm (6') (4 clips recommended)	1827

Lens options (DIN 5040:A50)

10°	10
30°	30
60°	60

Ingress protection

IP67	IP67
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Lens 10°³Lens 30°³Lens 60°³

³ DIN 5040:A50
cd/1,000 lumen
C0/C180 —————
C90/C270



Photo: BM Light OÜ

Please choose your accessories

Mounting	Art.-#	
<input type="checkbox"/> VarioClip 010 Set (required every 40 cm / 1.31')	13000202	
<input type="checkbox"/> Contour 010 Adjustable Wall Mount Set	13000165	
<input type="checkbox"/> Mounting Lock Set ⁰ (for vertical mounting)	13000287	
<input type="checkbox"/> Adjustable Mounting Clip C007/C010 L140	13000265-SIL	
<input type="checkbox"/> VarioContour 010 Inground Channel ^F (for indoor installation only)	10000542-RAL9003-FS	



Easy and clean installation due to internal mounting clips. ADONIS True Color / KALYPSO True Color H-channel also acts as cable raceway. Therefore you do not see any clips or cables from the outside.

For actual data, further options and detailed information, please visit our website www.led-linear.com

Extensions / Jumpers (optional)	Art.-#	
<input type="checkbox"/> VarioCon Female Mini 4 x 0.25 mm ² , 2 m / 6.56' IP67	15000202	
<input type="checkbox"/> VarioCon Extension Mini 4 x 0.25 mm ² , 0.1 m / 0.33' IP67	15000203	
<input type="checkbox"/> VarioCon Female Mini Protection Cap RGB ^F	15000219	

Recommended power supply	Art.-#	
<input type="checkbox"/> Power Supply Unit IP67	16000153	

Recommended control unit	Art.-#	
<input type="checkbox"/> Control System White/IQ-White	16000268-DT6	

Recommended control unit	Art.-#	
<input type="checkbox"/> Control System RGB	16000058	

⁰ The mounting lock is used to fix the sliding mounting clips, thus allowing a vertical wall mounting.

^F Article requires end caps, please contact us for more information

^F Required for IP67 connector sealing at end of runs.