



Εύκαμπτη ταινία led / Flexible led strip

TORA

Κωδικός / Art. No. : 500072

24Vdc

7.2 Watt/m

RGB

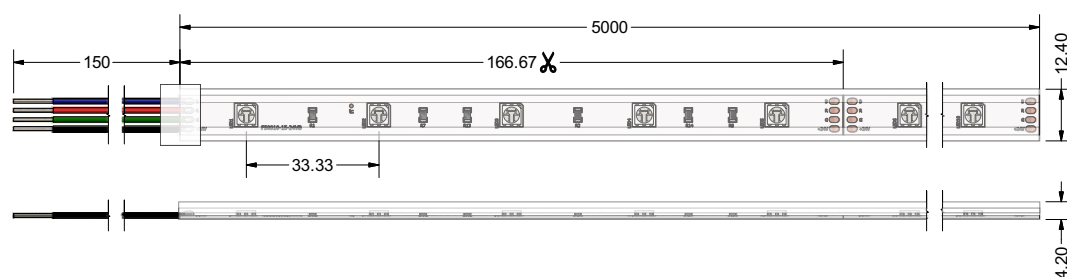
30led/m

IP67

3 ΧΡΟΝΙΑ ΕΓΓΥΗΣΗ
YEARS WARRANTY**Τεχνικά χαρακτηριστικά / Technical data**

Κατανάλωση ενέργειας / Power consumption	7.2 kWh/1000h/m
Ονομαστική Ισχύς / Rated wattage	7.2 W/m
Τάση λειτουργίας / Operating Voltage	24Vdc
Ρεύμα λειτουργίας / Typical operating Current	0.3 A/m
Κατηγορία προστασίας / Protection class	III
Ρύθμιση έντασης φωτισμού / Dimming	PWM (Dali / DMX512 / RF / Push Button)
Φωτεινή απόδοση / Luminous Efficacy	R31, G66, B15 (lumen/watt)
Φωτεινή ροή / Typical Luminus Flux	R75, G158, B35 (lumen/m)
Γωνία φωτισμού / Led beam angle	120°
Χρώμα / Color	RGB
Μήκος κύματος / Wavelength	R623±5, G520±, B465±5 (nm)
Διάρκεια ζωής στους 25 °C / Rated life time at 25 °C	30.000 ώρες/hours
Βαθμός στεγανότητας / Ingress protection	IP67
Λειτουργία σε θερμοκρασία περιβάλλοντος / Ambient working Temp. ta	-20...+50°C
Διαστάσεις (ΜxΠxΥ) / Dimension (LxWxH)	5000 x 12.4 x 4.2(mm)
Μέγιστο μήκος λειτουργίας / Max. operating Length	10 μέτρα / 10 meters
Αριθμός Led / Led units	30 led/μέτρο / 30 led/meter
Απόσταση μεταξύ led / Distance between led	33.33 mm
Σημείο κοπής / Cutting point	Ανά 5 led (166.67mm) / Per 5 led (166.67mm)
Συσκευασία / Packing	5 μέτρα / 5 meters
EAN	5206704003995
Εγγύηση / Warranty	3 χρόνια / 3 years

(Όλες οι τιμές μπορεί να έχουν μία απόκλιση +/-5% - All values can have a tolerance of +/- 5%)

Σχέδιο - Διαστάσεις / Drawing - Dimensions

Κατάλληλη για εσωτερικούς - εξωτερικούς χώρους με υψηλή υγρασία.
Κατάλληλη για εσωτερικούς - εξωτερικούς χώρους με υψηλή συγκέντρωση αιωρούμενων σωματιδίων.
Δυνατότητα παραμονής σε νερό για μικρό χρονικό διάστημα.
Suitable for indoor - outdoor areas with high humidity.
Suitable for indoor - outdoor areas with high concentration of suspended particles.
Can stay in water for a short time.

Light efficiency:

31 Lumen/Watt

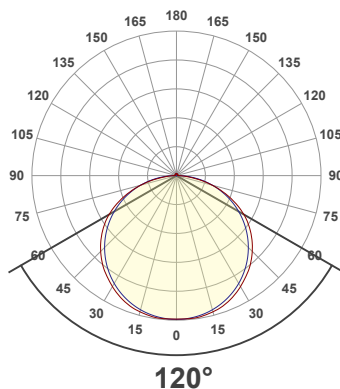
Light quality:

CRI: 0.0

Color temperature:

0 K

Output: 75.4 Lumen Power consumption: 2.4



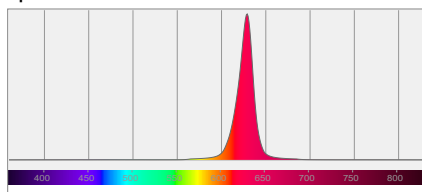
Product name:

TQRA 7.2Watt 30led 24V IP67
RGB(RED)

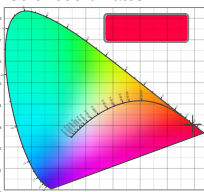
Item number:

500072

Spectral distribution



Color coordinates



White color point

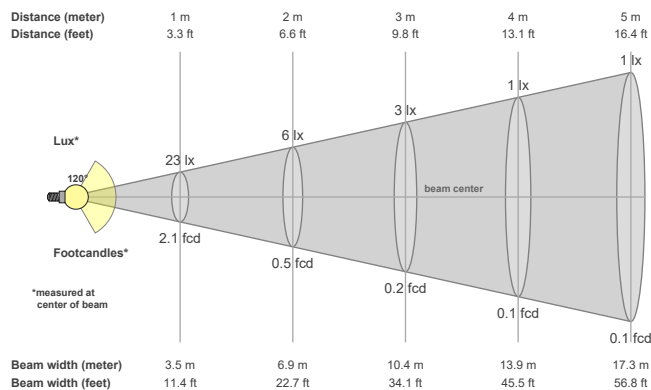


CRI R values

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
0 K	0.0	0.0	0.0	0.0	0.0	0.693	0.305	0.525	0.347	n/a

Beam details



Beam angels

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
120°	167.3°	178.5°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
23.1 cd	73.8%	48.9%

Beam intensities from 1-20m

1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
23lx	6lx	3lx	1lx	1lx	1lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx
2.1fcd	0.5fcd	0.2fcd	0.1fcd	0.1fcd	0.1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd

Power scope



Power	Power factor	
2.4 W	1.0	

Voltage	Current	
24.0 V	0.100 A	

Light efficiency:

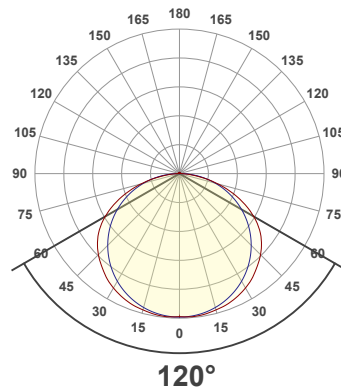
66 Lumen/Watt

Light quality:

CRI: 0.0

Color temperature:

0 K



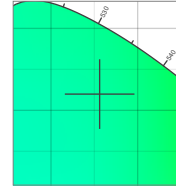
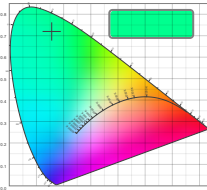
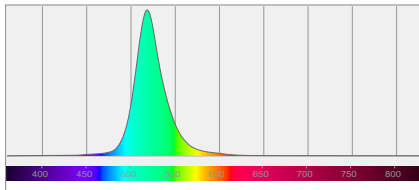
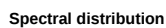
Product name:

**TΩRA 7.2Watt 30led 24V IP67
RGB(GREEN)**

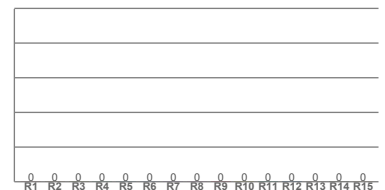
Item number:

500072

Output: 158 Lumen Power consumption: 2.4

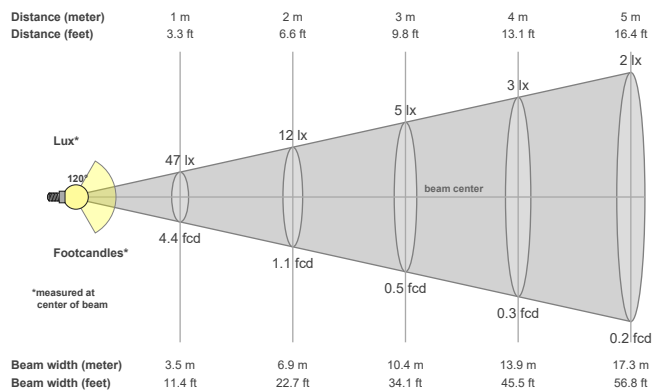


CRI R values



Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
0 K	0.0	0.0	0.0	0.0	0.0	0.156	0.720	0.055	0.381	n/a

Beam details



Beam angels

Beam angle	Field angle	Cutoff angle
50%	10%	2,5%
120°	167.5°	177.8°

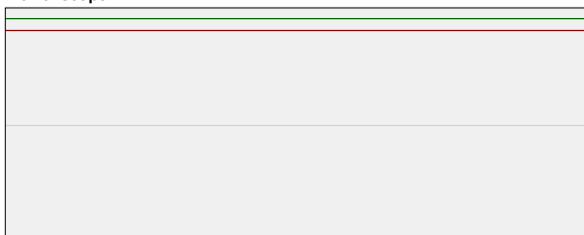
Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
47.5 cd	74.0%	48.5%

Beam intensities from 1-20m

[illegible]

Power scope



Power	Power factor	
2.4 W	1.0	

Voltage	Current	
24.0 V	0.100 A	

Light efficiency:

15 Lumen/Watt

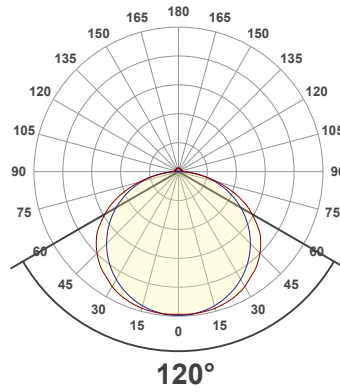
Light quality:

CRI: 0.0

Color temperature:

0 K

Output: 34.9 Lumen Power consumption: 2.4



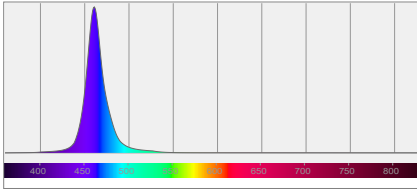
Product name:

TQRA 7.2Watt 30led 24V IP67
RGB(BLUE)

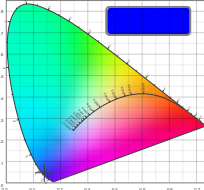
Item number:

500072

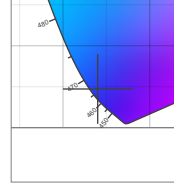
Spectral distribution



Color coordinates



White color point

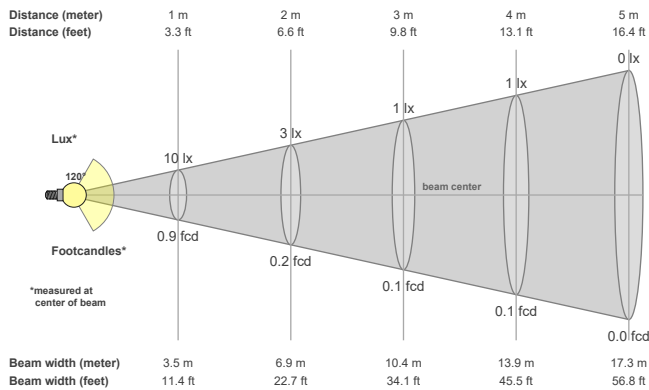


CRI R values

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
0 K	0.0	0.0	0.0	0.0	0.0	0.140	0.047	0.170	0.086	n/a

Beam details



Beam angels

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
120°	168.6°	268.6°

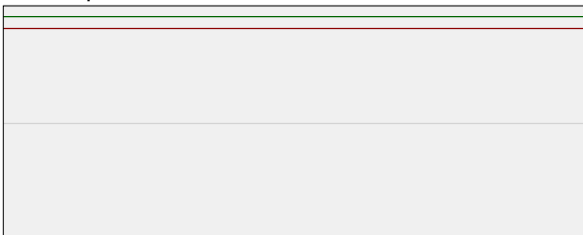
Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
10.2 cd	72.2%	47.3%

Beam intensities from 1-20m

1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
10lx	3lx	1lx	1lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx	0lx
0.9fcd	0.2fcd	0.1fcd	0.1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd

Power scope



Power	Power factor	
2.4 W	1.0	

Voltage	Current	
24.0 V	0.100 A	