

Product Change Notification (PCN)

Part # LR-TB3v.2-3.0-20 (Q412)

TerraBeam 3 v.2



Designed for semi enclosed environments with low or no air flow

In-situ thermal testing and validation has resulted in a luminaire with good luminous flux while maintaining long life and a well controlled lumen decay. Strategically ventilated housing promotes very good thermal flow and keeps the LED junction temperature under control. The lower internal temperature further increases MTBF for the constant current driver when used in difficult environment where high ambient temperatures are expected.

Incorporating the latest high power CREE XP-E2 LED and CAD optics the TerraBeam 3 v.2 mini projector series fixtures are designed for long life and placement flexibility. Featuring very low LED (T_j) temperatures they are suitable for semi enclosed environments & can be mounted in any direction. Internal constant current regulation with low count single e-Cap assure long term performance. Featuring corrosion resistant cast Aluminium housings and 316 grade Stainless steel hardware.

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Short spec.

Custom mini LED projector with 3 x CREE XP-E2 series LED, ~18° beam angle triple lensing, cast 5053 Aluminium housing, safety sealed, glass aperture, swivel support bracket included, electrostatic coated medium gray or black aperture ring and lens fascia, 50cm min. power cable with shielded 5.5mm male connector, 316SS cable gland, designed for CV series I²P driver operation, includes internal CC driver, special ventilation cavities for heat dissipation. De-rated current drive for long life and high reliability.

New features:

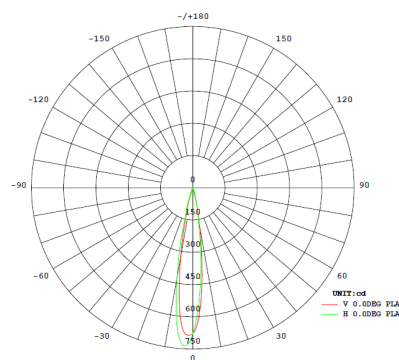
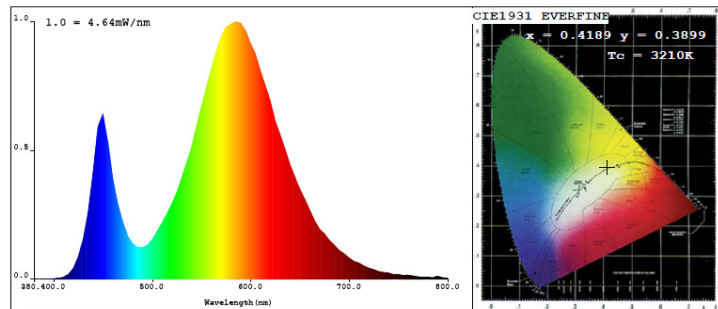
- XP-E2 emitters
- Strategic ventilation
- Low e-Cap count on custom cc driver
- Thick plate MCPCB with 50% increase in capacity
- 18° custom lensing
- Hot swap capable
- Special reflective film coating on carrier
- Custom lead length with 316SS cable strain relief
- Switchcraft™ S-765 connectors with 5.50/2.10 & 14mm (OD/ID/L)

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Specification	Specification	TerraBeam 3 v.2
Performance	LED source	3 x 3W high power XP-E2 LED
	Power (W)	7.9W
	Exit lumen Typ. lm(5500K)	521
	Lumen maintenance L70@ 25°C	>45,000Hrs
	Lens optical efficiency	≥84%
	Junction temperature Tj	<78°C
Electrical	Light color	2900K±150K
	Beam angle	18° ±15%
	Optional control	DMX512, 4 wire CA, 0-10V, PWM, LEDIM/TEDIM
	LED driver UL (not included)	CV2403A
Mechanical	Maximum drive current	350ma
	Housing material	Die cast Aluminium RAL9007 powder coated & 316 SS
	Mounting	Swivel bracket or tripod
	IP rating	IP20
	Dimensions mm (Head only)	70L x 79.6W x 88.2Ø
	Front aperture	Tempered Glass 4mm
	Net weight	.510g
	Operating temperature	-25~45°C



CIE Color Parameters:
 Chromaticity Coordinate: $x=0.4189$ $y=0.3899$
 $u=0.2449$ $v=0.5130$ ($duv=-3.04e-003$)
 CCT: $T_c=3010K$ Prcp Wavel: $d\lambda=583.2nm$ Purity=42.8%
 Peak Wavel: $\lambda_p=585nm$ Half Width: $\Delta\rho\lambda=96.3nm$
 Ratio: $R=18.5\%$ $G=79.4\%$ $B=2.1\%$
 Average Wave: 578nm
 Rendering Index: $R_a=81.4$

