RAIL-LITE™

FULL SPECIFICATION SHEET



FIXTURE TYPE	FIXTURE CODE	QUANTITIES

1 DESCRIPTION

The trimless channel system blends into architecture and conceals the light sources for a seamless look. **RAIL-LITE** sections connect solely mechanically and can run distances as required for the space with L, T, and X connections to feed light where it is needed. **RAIL-LITE** is ideal as a retail solution with ultimate beam control and high color rendering. The spots can be adjusted laterally within the channel to target more accurately and the angling of the beam adjusts in 5 ° increments up to 45 °. A CRI of 90 displays the true color of objects making merchandise more distinguishable. With Twist'N'Lock vacuum-plated reflectors that aid in quick on-site switching, this luminaire is capable of narrow, medium, and wide beam illumination.

2 OPTICS & FEATURES

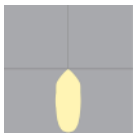

Recessed


Bridgelux-14°


Bridgelux-22°


Bridgelux-28°


Bridgelux-38°


Bridgelux-47°


Xicato-13°


Xicato-18°


Xicato-28°


Xicato-41°



Declare

3 APPROVALS

© 2026 Beta-Calco Inc. Specifications are subject to change without notice

4 GENERAL SPECIFICATION

HOUSING
Steel and aluminum, black finish internal and external.

ROTATING
360° limit.

TRIMLESS VERSION
For installation into drywall (plasterboard) ceilings with a thickness range of 1/2" to 3/4" (12mm-19mm). Trimless flange supplied in raw aluminum.

DRIVERS
Constant Current driver for 120-277V (EU-240V). Drivers can be replaced from below. The driver is integral to the fixture housing.

POE
Rail-Lite can integrate into your data network via Power over Ethernet (PoE) connectivity.

LEDS
High power, LEDs can be replaced from below.

LINKS
https://www.bridgelux.com/products/v-series#specifications
https://www.xicato.com/products/light-sources/xtm/

REPORTED L70 @25°C(77°F)
> 60,000 hrs.

NOTE
Continuous runs connect mechanically but do not connect electrically. Each module requires a power supply. Power can be daisy chained from one module to another. LED heads slide as far as the inside corner of Corner, T Junction and X Junction accessories.

Rail-Lite™ | Patent Pending (United States, Canada and European Patent Convention)

ANGLING
0° to 45° in 5° intervals.

ELECTRICAL
Integral junction box for branch circuit through wiring.

REFLECTORS
Narrow, medium and wide beam, highly reflective, specular finish, vacuum plated. Twist'N'Lock reflectors for on-site switching.

SLIDING
Individual heads can slide a maximum of 2'/610mm left or right of its centre point.

SENSORS
Consult factory regarding sensor compatibility.

LED HEAT SINK
Extruded aluminum.

DELIVERED LUMENS
Delivered lumens & LPW based on 3000K (min 80 CRI).

APPROVALS
Damp Rated.

SUSTAINABILITY
Designed for on-site LED board, driver, and optic replacement. Contact the factory for maintenance documentation.

© 2026 Beta-Calco Inc. Specifications are subject to change without notice

5 HOW TO ORDER

LUMINAIRE

527148 48" - 3 to 5 LED Heads
527196 96" - 3 to 7 LED Heads
527144 144" - 4 to 10 LED Heads

We highly recommend you supply a drawing to allow us to verify you have quoted correctly.Adrawing will be required at the time of order placement.This fixture is continuous run only if you require individual fixtures please order the non-continuous run version.

NUMBER OF HEADS

H03 3 LED Heads
H04 4 LED Heads
H05 5 LED Heads
H06 6 LED Heads
H07 7 LED Heads
H08 8 LED Heads
H09 9 LED Heads
H10 10 LED Heads

LED TYPE

B27A Bridgelux V18, 2700K, 80 CRI, 3069 lms
B27B Bridgelux V18, 2700K, 90 CRI, 2397 lms
B30A Bridgelux V18, 3000K, 80 CRI, 3218 lms
B30B Bridgelux V18, 3000K, 90 CRI, 2498 lms
B35A Bridgelux V18, 3500K, 80 CRI, 3313 lms
B40A Bridgelux V18, 4000K, 80 CRI, 3333 lms
B40B Bridgelux V18, 4000K, 90 CRI, 2840 lms
X27A Xicato Standard, 2700K, 83 CRI, 2262 lms
X30A Xicato Standard, 3000K, 83 CRI, 2262 lms
X35A Xicato Standard, 3500K, 83 CRI, 2262 lms
X40A Xicato Standard, 4000K, 83 CRI, 2262 lms
X30B Xicato Vib V80, 3000K, 83 CRI, 2262 lms
X27C Xicato Artist, 2700K, 98 CRI, 2262 lms
X30C Xicato Artist, 3000K, 98 CRI, 2262 lms
X35C Xicato Artist, 3500K, 98 CRI, 2262 lms
X40C Xicato Artist, 4000K, 98 CRI, 2262 lms
X30D Xicato Vib V95, 3000K, 98 CRI, 2262 lms

PROFILE APERTURE

5W Narrow
6W Medium
9W Wide

BRIDGELUX REFLECTORS

529001 Narrow Beam 14° (5" dia)
529002 Medium Beam 22° (5" dia)
529003 Medium Beam 38° (3" dia)
529004 Narrow Beam 28° (3" dia)
529005 Wide Beam 47° (3" dia)

XICATO REFLECTORS

529011 Narrow Beam 13° (5" dia)
529012 Wide Beam 41° (5" dia)
529013 Narrow Beam 18° (3" dia)
529014 Medium Beam 28°3" dia)

END CAPS (MINIMUM OF 2/CONFIGURATION REQUIRED)

529151 Narrow Aperture (5W) End Caps
529161 Medium Aperture (6W) End Caps
529191 Wide Aperture (9W) End Caps

DIMMING OPTIONS

D1 0-10V Dimming (1%)
D2 0-10V Dimming (0.1%)
DA DALI dimming (0.1%)
DL DALI dimming (1%)
L1 Lutron L3DA3W Hi-Lume 1%, 3 Wire
L2 Lutron LDE1 Hi-Lume 1% H Eco System
DE PoE

DE must be used with EV only.

CORNER - WIDTH & LENGTH (419MM/16.5")

529152 Narrow Aperture (5W) Corner
529162 Medium Aperture (6W) Corner
529192 Wide Aperture (9W) Corner

T JUNCTION - WIDTH (439MM/17.3"), LENGTH (419MM/16.5")

529153 Narrow Aperture (5W) T Junction
529163 Medium Aperture (6W) T Junction
529193 Wide Aperture (9W) T Junction

X JUNCTION - WIDTH & LENGTH (439MM/17.3")

529154 Narrow Aperture (5W) X Junction
529164 Medium Aperture (6W) X Junction
529194 Wide Aperture (9W) X Junction

OPTIONAL LOW VOLTAGE

EV Low Voltage

To be used with DE only.

© 2026 Beta-Calco Inc. Specifications are subject to change without notice

6 TECHNICAL DATA

LUMINAIRE

We highly recommend you supply a drawing to allow us to verify you have quoted correctly.Adrawing will be required at the time of order placement.This fixture is continuous run only if you require individual fixtures please order the non-continuous run version.

Code	**527148**	**527196**	**527144**
Fixture Length	48" - 3 to 5 LED Heads	96" - 3 to 7 LED Heads	144" - 4 to 10 LED Heads

LED TYPE

Code	**B27A**	**B27B**	**B30A**	**B30B**	**B35A**	**B40A**
Manufacturer/Type	Bridgelux V18	Bridgelux V18	Bridgelux V18	Bridgelux V18	Bridgelux V18	Bridgelux V18
CCT	2700K	2700K	3000K	3000K	3500K	4000K
CRI	80	90	80	90	80	80
Power	38W	38W	38W	38W	38W	38W
Delivered lms	3069	2397	3218	2498	3313	3333
LPW	80	63	84	65	87	87
CBCP	29964	23408	31423	24391	32349	32541

Code	**B40B**	**X27A**	**X30A**	**X35A**	**X40A**	**X30B**
Manufacturer/Type	Bridgelux V18	Xicato Standard	Xicato Standard	Xicato Standard	Xicato Standard	Xicato Vib V80
CCT	4000K	2700K	3000K	3500K	4000K	3000K
CRI	90	83	83	83	83	83
Power	38W	36W	36W	36W	36W	36W
Delivered lms	2840	2262	2262	2262	2262	2262
LPW	74	62	62	62	62	62
CBCP	27732	6201	6201	6201	6201	6201

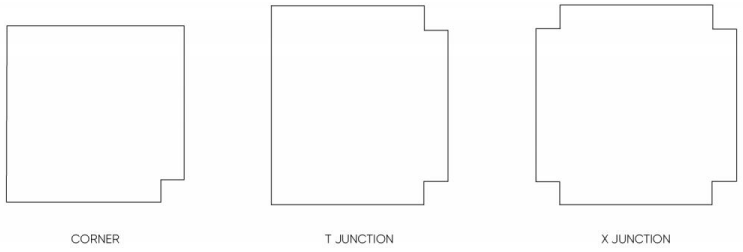
Code	**X27C**	**X30C**	**X35C**	**X40C**	**X30D**
Manufacturer/Type	Xicato Artist	Xicato Artist	Xicato Artist	Xicato Artist	Xicato Vib V95
CCT	2700K	3000K	3500K	4000K	3000K
CRI	98	98	98	98	98
Power	41W	41W	41W	41W	41W
Delivered lms	2262	2262	2262	2262	2262
LPW	55	55	55	55	55
CBCP	6201	6201	6201	6201	6201

PROFILE APERTURE

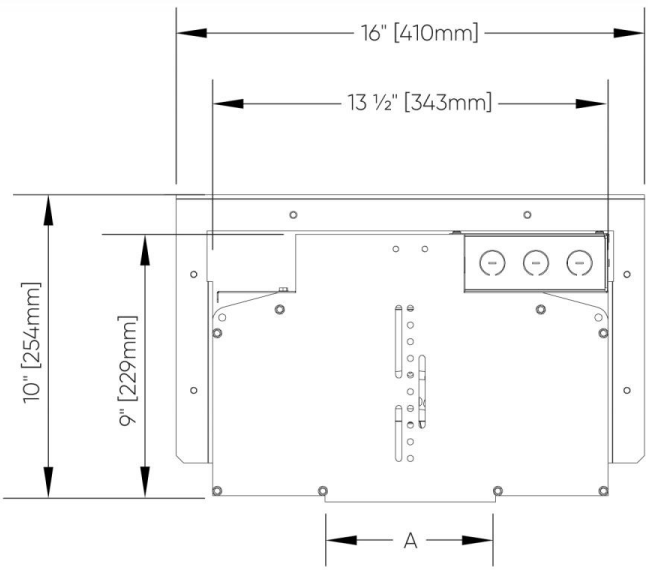
Code	**5W**	**6W**	**9W**
Aperture	Narrow	Medium	Wide
A	5"	6.5"	9"

© 2026 Beta-Calco Inc. Specifications are subject to change without notice

7 DIMENSIONAL DIAGRAMS

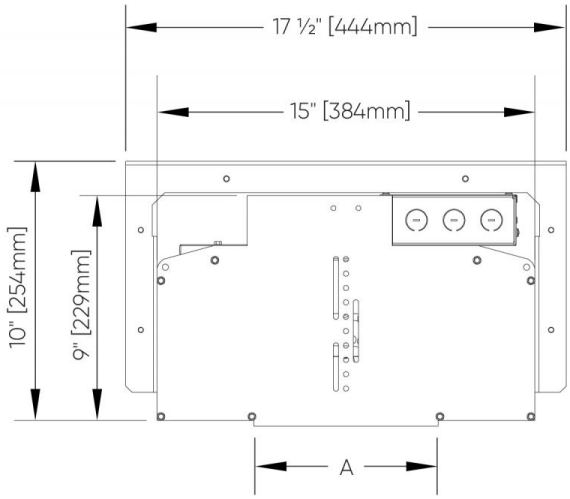


Narrow Aperture



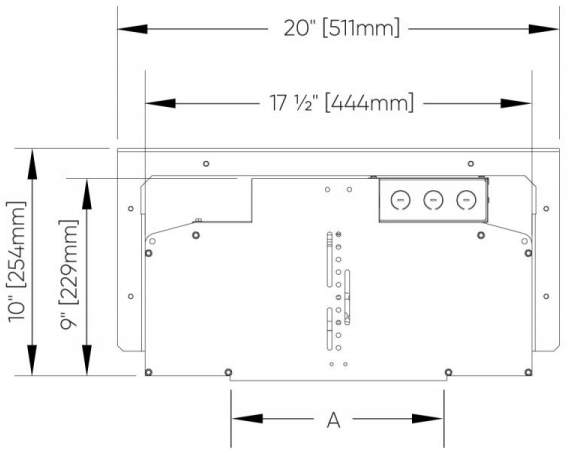
5W

Medium Aperture



6W

Wide Aperture



9W

© 2026 Beta-Calco Inc. Specifications are subject to change without notice