

Project

Type



Date

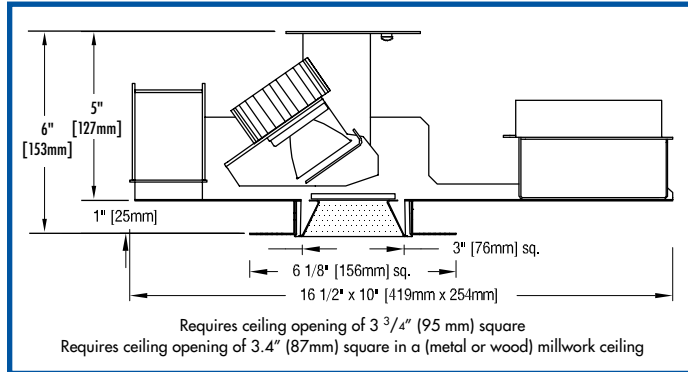
Product Code

Designer

PRIM SQUARE AA NSP/3

recessed square trimless LED narrow spot accent light

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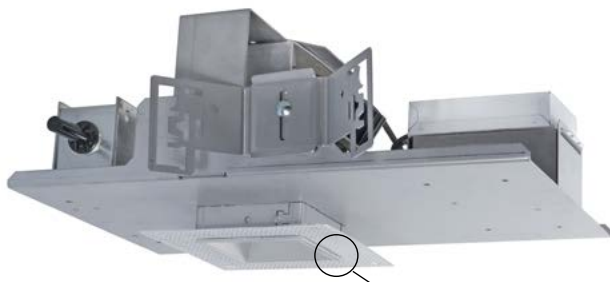


FEATURES

- **PRIM SQUARE AA NSP/3 is a 3" trimless square LED narrow spot accent light.** Luminaire is powered by one of a number of Xicato XTM (9mm) LED modules, distinguished by extraordinary color consistency (within 1x2-step MacAdam ellipse). See below for wattages and efficacies.
- **Luminaire is designed for installation in sheet rock** to achieve a flush trim detail. Installation includes the application of drywall compound over the luminaire's integral spackle screen to the rim of its integral plaster ring.
- **Luminaire overall depth is 6"** (housing depth of 5" plus a 1" throat).
- **Luminaire employs an internal 'twist and lock' internal reflector** to produce an initial beamspread of 14° or 24°. To allow beamspread to be changed in installed luminaires, internal reflectors are available as accessories.
- **Luminaire provides full circle rotation and 0 - 35 angular adjustment.** Once focused, adjustment may be locked by means of a thumb screw and a wing nut.
- **External reflector is designed to accept** either a Solite-pattern prismatic lens (-PRS) or a clear glass (-GLS) mounted in the top aperture. External reflectors are available in two clear natural aluminum finishes – slightly diffuse (V) or fully diffuse (EC) – as well as black and white.
- **Luminaire includes a pair of 3/4" x 27" C channel mounting bars.** Specialty bars for wood joist and T-bar installations are also available.
- **For more information, [click here](#).**

APPLICATIONS

Fixture is listed for Damp Location. Fixture is prewired with thermal protector and approved for eight #12 wire 90° branch circuit pull-through wiring. Removal of the external reflector trim allows access to the LED module and junction box.



For shallower depths and lower pricing, see [WAFFER PRIM SQUARE/3 AA](#).

SPACING

Three models of this luminaire – L10A, L13S & L13V – must be spaced 24" apart and 2" from walls with 1/2" clearance above the housing.

PRODUCT CODE

For complete product code, list basic unit and select one item from each following box.

Basic Unit	P3-XTS-AA
Driver <i>Choose one.</i>	
dimmable to 1% by a 0-10V dimmer on 120 or 277-volt service	DMV
dimmable to 5% or 10% (see Lumen Source Output box below) by either an incandescent or ELV dimmer; 120-volt service only	DMP
eldoLED 0-10V (Logarithmic) driver dimmable to 0.1% with a 0-10V dimmer on 120 or 277-volt service	DVOELG
eldoLED 0-10V (Linear) driver dimmable to 0.1% with a 0-10V dimmer on 120 or 277-volt service	DVOELN
eldoLED driver dimmable to 0.1%, compatible with DALI control system	DA0-EL
Moons' driver dimmable to 0.1%, compatible with DMX controllers	DX0

Light Source Output (Lumens) <i>Choose one.</i>	
700L / CRI 98 Artist	DMP(5%)..... - L07A
700L / CRI 80+	DMP(10%)..... - L07S
700L / CRI 80+ Vibrant	3000K only..... DMP(10%)..... - L07V
1000L / CRI 98 Artist	DMP(5%)..... - L10A
1000L / CRI 80+	DMP(5%)..... - L10S
1000L / CRI 80+ Vibrant	3000K only..... DMP(5%)..... - L10V
1300L / CRI 80+	DMP(5%)..... - L13S
1300L / CRI 80+ Vibrant	3000K only..... DMP(5%)..... - L13V

Light Color <i>Choose one.</i>	
2700 K	- 27K
3000 K	- 30K
3500 K	- 35K
4000 K	- 40K

Internal Reflector <i>Choose one.</i>	
14° initial beamspread	- 14D
24° initial beamspread	- 24D

Voltage <i>Choose one.</i>	
120 volt service	- 120
277 volt service	- 277

External Reflector Lens <i>Choose one.</i>	
Solite prismatic lens	- PRS
Clear glass	- GLS

External Reflector Color <i>Choose one.</i>	
Slightly diffuse Clear	VTL
Fully diffuse Clear	ECTL
Black	BTL
White	WTL

OPTIONS *Specify by adding to the basic unit.*

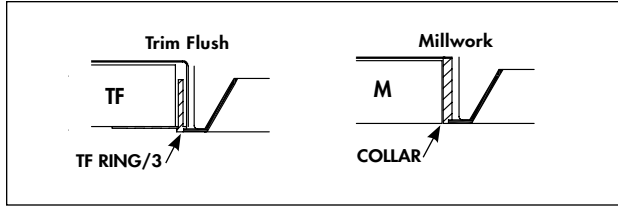
Millwork trim detail consists of an aperture collar (see below) and an external reflector (see above).	
milled aluminum aperture collar	- M
white aperture collar	- MWH
black aperture collar	- MBL
custom color aperture collar	- MCC

EXTRA REFLECTORS *Specify as separate line items.*

14° initial beamspread	XTM-REF14-50
24° initial beamspread	XTM-REF24-50



EXTERNAL REFLECTOR TRIMS



PHOTOMETRIC REPORT with 14° reflector and clear glass (GLS) (tested per IESNA LM-79-2008)

Verification Services Report No. 11729420.13. Original test report furnished upon request.

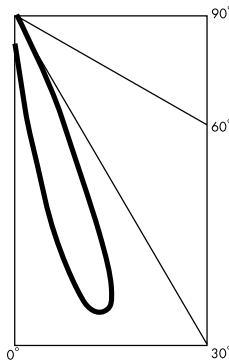
Luminaire recessed LED square narrow spot accent light with semi-specular clear aluminum reflector covered with clear glass (GLS); LED aimed at 15° above vertical

Light Source ... one white Xicato XTM 9mm LES LED with 14° beam spread integral reflector, 3000K CCT, 80 CRI, 1300 lumens

Lamp Life rated 50,000 hours based on L70/B50 criteria. LM80 report by LED manufacturer furnished upon request

CANDLEPOWER DISTRIBUTION (Candela)

Vertical Angle	Horizontal Angle				
	0	45	90	135	180
0	535	535	535	535	535
5	1602	1126	471	139	69
15	7720	1581	240	22	21
25	2167	420	26	13	16
35	107	34	9	5	9
45	17	8	4	2	5
55	9	2	3	1	5
65	8	1	1	1	3
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0



LUMINAIRE LIGHT OUTPUT AND EFFICACY

	Luminaire Light Output	Luminaire CBCP	Luminaire Efficacy (lms/watt)	System Wattage
LED Light Engine				
700 Lumens Artist	366*	4274*	22*	17
1000 Lumens Artist	479*	5595*	24*	20
700 Lumens standard & Vibrant	379*	4429*	32*	12
1000 Lumens standard & Vibrant	505*	5906*	30*	17
1300 Lumens standard & Vibrant	665	7771	33	20

*estimated values

PHOTOMETRIC REPORT with 14° reflector and prismatic lens (PRS) (tested per IESNA LM-79-2008)

Verification Services Report No. 11729420.12. Original test report furnished upon request.

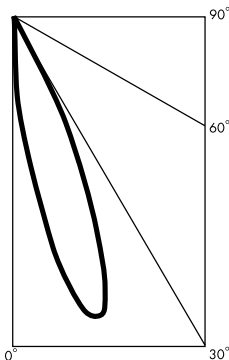
Luminaire recessed LED square narrow spot accent light with semi-specular clear aluminum reflector covered with prismatic lens (PRS); LED aimed at 15° above vertical

Light Source ... one white Xicato XTM 9mm LES LED with 14° beam spread integral reflector, 3000K CCT, 80 CRI, 1300 lumens

Lamp Life rated 50,000 hours based on L70/B50 criteria. LM80 report by LED manufacturer furnished upon request

CANDLEPOWER DISTRIBUTION (Candela)

Vertical Angle	Horizontal Angle				
	0	45	90	135	180
0	685	685	685	685	685
5	1742	1303	581	282	137
15	5000	1719	270	40	27
25	2432	597	59	17	17
35	325	90	12	7	10
45	26	12	5	3	5
55	10	3	4	1	5
65	7	1	1	1	4
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0



LUMINAIRE LIGHT OUTPUT AND EFFICACY

	Luminaire Light Output	Luminaire CBCP	Luminaire Efficacy (lms/watt)	System Wattage
LED Light Engine				
700 Lumens Artist	356*	2761*	21*	17
1000 Lumens Artist	465*	3614*	23*	20
700 Lumens standard & Vibrant	369*	2861*	31*	12
1000 Lumens standard & Vibrant	491*	3815*	29*	17
1300 Lumens standard & Vibrant	647	5020	32	20

*estimated values

PHOTOMETRIC REPORTS CONTINUE BELOW



PHOTOMETRIC REPORT with 24° reflector and clear glass (GLS) (tested per IESNA LM-79-2008)

UL Verification Services Report No. 11729420.11. Original test report furnished upon request.

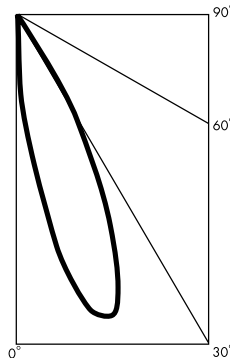
Luminaire recessed LED square narrow spot accent light with semi-specular clear aluminum reflector covered with clear glass (GLS); LED aimed at 15° above vertical

Light Source ...one white Xicato XTM 9mm LES LED with 24° beam spread integral reflector, 3000K CCT, 80 CRI, 1300 lumens

Lamp Life rated 50,000 hours based on L70/B50 criteria. LM80 report by LED manufacturer furnished upon request

CANDLEPOWER DISTRIBUTION (Candela)

Vertical Angle	Horizontal Angle				
	0	45	90	135	180
0	921	921	921	921	921
5	1800	1522	810	415	259
15	3935	1784	385	61	26
25	2439	674	52	13	14
35	303	67	9	6	8
45	16	8	4	2	5
55	7	2	3	1	5
65	6	1	2	1	3
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0



LUMINAIRE LIGHT OUTPUT AND EFFICACY

	Luminaire Light Output	Luminaire CBCP	Luminaire Efficacy (lms/watt)	System Wattage
LED Light Engine				
700 Lumens Artist	360*	2186*	21*	17
1000 Lumens Artist	471*	2862*	24*	20
700 Lumens standard & Vibrant	373*	2266*	31*	12
1000 Lumens standard & Vibrant	497*	3021*	29*	17
1300 Lumens standard & Vibrant	654	3975	32	20

*estimated values

PHOTOMETRIC REPORT with 24° reflector and prismatic lens (PRS) (tested per IESNA LM-79-2008)

UL Verification Services Report No. 11729420.10. Original test report furnished upon request.

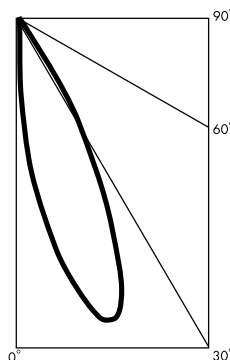
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Light Source ...one white Xicato XTM 9mm LES LED with 24° beam spread integral reflector, 3000K CCT, 80 CRI, 1300 lumens

Lamp Life rated 50,000 hours based on L70/B50 criteria. LM80 report by LED manufacturer furnished upon request

CANDLEPOWER DISTRIBUTION (Candela)

Vertical Angle	Horizontal Angle				
	0	45	90	135	180
0	916	916	916	916	916
5	1640	1398	812	495	317
15	3081	1614	422	90	43
25	2100	749	98	20	17
35	486	147	15	8	9
45	43	16	5	3	5
55	9	3	4	1	5
65	6	1	2	1	4
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0



LUMINAIRE LIGHT OUTPUT AND EFFICACY

	Luminaire Light Output	Luminaire CBCP	Luminaire Efficacy (lms/watt)	System Wattage
LED Light Engine				
700 Lumens Artist	350*	1704*	21*	17
1000 Lumens Artist	459*	2231*	23*	20
700 Lumens standard & Vibrant	363*	1766*	30*	12
1000 Lumens standard & Vibrant	484*	2355*	28*	17
1300 Lumens standard & Vibrant	637	3099	31	20

*estimated values

STANDARD DMV DRIVER INFORMATION (UL Class 2, dry and damp location)

Voltage	120	277
Input Watts (L07A/L10A/L07S&V/L10S&V/L13S&V)	17/20/12/17/20	17/20/12/17/20
Input Current (A) (L07A/L10A/L07S&V/L10S&V/L13S&V)	.14/.17/.10/.14/.17	.06/.07/.04/.06/.07
Output Current (mA)	350-700	350-700
Min. Power Factor	.99	.99
Operating Temperature Range (F)	-13 to 122	-13 to 122

LIGHT OUTPUT MULTIPLIER

LED Light Engine	Light Output Multiplier
700 Lumens Artist	.55*
1000 Lumens Artist	.72*
700 Lumens standard & Vibrant	.57*
1000 Lumens standard & Vibrant	.76*
1300 Lumens standard & Vibrant	1

*estimated values

REFLECTOR COLOR MULTIPLIERS

Slightly diffuse clear (V)	1
Fully diffuse clear (EC)	.90
Champagne gold clear (G)	1
Specular White	.70
Black (B)	.40