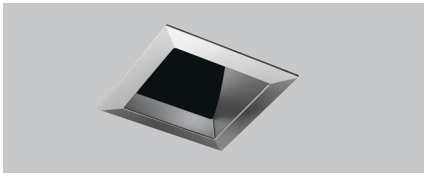
ACULUX®

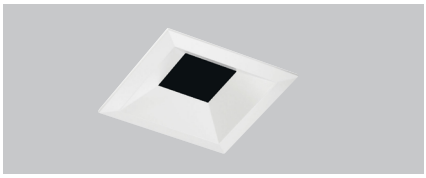
initia™ INIT3SQ | 3" APERTURE

Adjustable Accent | 400 – 1500 Lumens

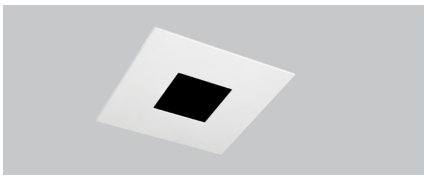
TRIM STYLES



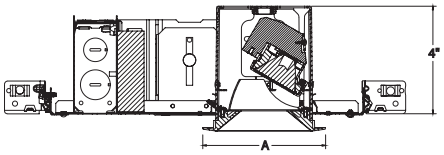
Angle Cut Reflector



Bevels



Pinhole



A Dimension:
Self Flanged: 4.625"
Flangeless: 3.875"

FEATURES

AFFORDABLE & ELEGANT PRECISION RECESSED

- Complete family of recessed downlight, adjustable, and wall wash luminaires
- Available with reflector, bevel and pinhole trims
- Coordinated apertures with Aculux AX3 family

TOOLLESS AIMING & FIELD INTERCHANGEABLE OPTICS

- 359° horizontal, 35° vertical aiming
- Total Internal Reflection (TIR) Optics in four (4) beam spreads
- Accepts two (2) additional lenses, filters, or other optical accessories

EXCELLENT PERFORMANCE

- Up to 1500 lumens delivered!
- Exceptionally consistent color with < 2SDCM
- Excellent color rendition with 80+ CRI | 90+ CRI Available
- WarmDim® option mimics halogen dimming (3000K - 1800K)

PERFORMANCE

Static White*

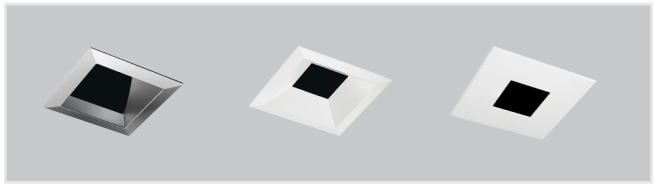
LUMEN PACKAGE	WATTS IN	DELIVERED LUMENS	EFFICACY (LPW)
04LM	5	465	93
08LM	8	808	101
12LM	12	1224	102
15LM	16	1518	95

WarmDim®

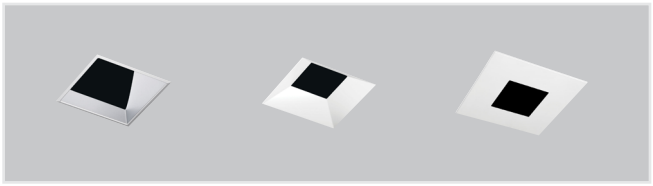
LUMEN PACKAGE	WATTS IN	DELIVERED LUMENS	EFFICACY (LPW)
08LM	12	784	65

***Performance with NT3SQA at 3000K | 80CRI**
Actual performance may differ as a result of end-user environment and application.
All values are design or typical values, measured under laboratory conditions at 25 °C.

FLANGE STYLES



Flanged

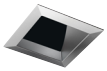
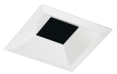
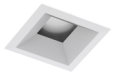


Flangeless (Gypsum)

ORDERING INFORMATION

EXAMPLE: INIT3SQ A 12LM 30K 90CRI 25D EZ1 MVOLT NT3SQABV BD WHSF

Housing Style	Lumens	CCT	CRI	Beam	Driver	Voltage [4]	Ratings	Options
INIT3SQ A New Construction Adjustable	**Static White**							
INIT3SQ AR Remodel Adjustable	**04LM** [1] 400 lumens	**27K** 2700K	**80CRI**	**18D** 18° beam	**FPC** Phase cut dim (1% min)	**120**	**(blank)** Non-IC Rated	**NLIGHT** [6] nLight Dimming
	08LM 800 lumens	**30K** 3000K	**90CRI** [3]	**25D** 25° beam	**EZ1** eldoLED 0-10V (linear 1% min)	**277**	**CP** [5] Chicago Plenum	**E5WT20R** [7] Emergency 5W battery pack with remote test switch, T20 compliant
	12LM 1200 lumens	**35K** 3500K		**35D** 35° beam	**GZ1** 0-10V (Linear 1% min)	**MVOLT (120-277)**	**ICAT** [5] IC Rated, Air-tight	**E5WR** [7] Emergency 5W battery pack with remote test switch
	15LM [2] 1500 lumens	**40K** 4000K		**50D** 50° beam	**ECOD** Lutron EcoSystem (1% min)			
	WarmDim®							
	08LM 800 Lumens	**WDIM HALR** 3000K - 1800K	**90CRI**	**25D** 25° beam **35D** 35° beam **50D** 50° beam				

Adjustable Trim	Reflector Finish	Flange Style	Trim Lens | Environment	Ceiling Installation
Reflector		*Flanged*		*Flanged*
NT3SQA Angle Cut Reflector (0-35°) 	**W** White Paint **CD** Clear Diffuse **BD** Black Diffuse **WTD** Wheat Diffuse	**SF** Self Flanged (same finish as reflector) **WHSF** Self Flanged, White Painted Flange (not available with W finish) *Flangeless* [8] **FM** Flangeless	**(blank)** Open | Damp Location **WSOL** Solite | Wet Location	**(blank)** Ceiling 0.5" - 1.5" *Flangeless (Gypsum)* **NT3SQFMA** Ceiling 0.5" - 1.5"
Bevels	**Finish & Flange Style**			
NT3SQABV BD Bevel Adjustable (0-35°) 	*Flanged* **WHSF** White, Flanged **BLSF** Black, Flanged *Flangeless* [8] **WHFM** White, Flangeless **BLFM** Black, Flangeless		**(blank)** Open | Damp Location **WSOL** Solite | Wet Location	*Flanged* **(blank)** Ceiling 0.5" - 1.5" *Flangeless (Gypsum)* **NT3SQFMA** Ceiling 0.5" - 1.5"
NT3SQSHABV BD Dead Front, Non Conductive Shower Bevel Adjustable (0-35°) 				
Pinhole				
NT3SQAPIN BD 1 3/4" Pinhole Adj (0-35°) 				

REFLECTOR FINISHES

BEVEL & PINHOLE FINISHES

ORDERING NOTES

1 04LM available with FPC driver only.
2 15LM not available with AR or ICAT.
3 90CRI not available on 40K CCT.
4 MVOLT standard on EZ1, GZ1, ECOD unless NLIGHT specified. Must be 120 for FPC.
5 CP & ICAT available on new construction only.
6 NLIGHT available on Non-IC with EZ1 only. Must specify 120 or 277 volts.
7 E5WT20R & E5WR not available with remodel, ICAT, or CP.
8 For flangeless trims, must specify flangeless installation (NT3SQFMA).

design select

Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect.
*See ordering tree for details

Maximum order quantity for design select lead times is 75.

ACCESSORIES

Beam Control Lenses & Filters

Beam Control Lens

DIFF 200	Diffuse Spread Lens
SOLITE 200	Solite Uniformity Lens
PRISM 200	Prismastic Lens
LSPREAD 200	Linear Spread Lens
HCLBL200	Hexcell Louver

UV Filter & Color Correction

UVF 200	UV Filter Lens
DCCF 200 HAL4250	Daylight Blue Correction

Replacement Optics

Static White Optics

NT3OPT/18D	18° beam
NT3OPT/25D	25° beam
NT3OPT/35D	35° beam
NT3OPT/50D	50° beam

WarmDim® Optics

NT3WDOPT/25D	25° beam
NT3WDOPT/35D	35° beam
NT3WDOPT/50D	50° beam

Optional Installation Accessories

Bar Hangers

HB26	26" C-Channel Bar Hangers
HB50	50" C-Channel Bar Hangers
LB27	27" Linear Bar Hangers

Note: Fixture supplied with residential style bar hangers (except when specified with battery)

PRODUCT SPECIFICATIONS

FIELD INTERCHANGEABLE LED LIGHT ENGINE

- <2SDCM Binning
- 2700K | 3000K | 3500K | 4000K CCT
- 80+ CRI available for all CCTs
- 90+ CRI available for 2700K, 3000K, 3500K
- WarmDim® option mimics halogen dimming (3000K - 1800K)
- Future proof and easy to maintain - serviceable from below the ceiling

OPTICAL SYSTEM

- 45° visual cutoff to source and source image
- Field interchangeable TIR optics from 18° FWHM to 50° FWHM provide smooth, striation-free beams
- Accommodates 2 beam control lenses or filters
- UGR is zero for fixtures aimed at nadir with a cut-off equal to or less than 60deg, per CIE 117-1996 Discomfort Glare in Interior Lighting. UGR FAQs

TOOL-FREE AIMING

- 359° horizontal, 35° vertical aiming
- Numeric indicator marks allow contractor to pre-aim fixtures

HIGH QUALITY TRIMS

- Available with die cast bevels, pinholes, and angle cut reflectors
- Non-corrosive, polycarbonate bevel option for shower applications
- Flanged and flangeless for gypsum
- Must specify NT3FMA for gypsum flangeless installation

FIELD REPLACEABLE DRIVER

- Accommodates 120-277V input and multiple control protocols
- Dims without perceived flicker to <1% depending on driver specified
- Field replaceable from below the ceiling
- >0.9 Power Factor

BUY AMERICAN ACT

- This product is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations.
- Please refer to www.acuitybrands.com/resources/buy-american for additional information.

WARRANTY & RATED LIFE

- LED is rated for >50,000 hours at 70% lumen maintenance
- 5- year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

EMERGENCY BATTERY

- Provides a minimum of 400 lumens (3000K, 80CRI) for minimum duration of 90 minutes.
- Above ceiling access required.
- Supplied with remote test switch
- E5WT20R option is CEC T20 Compliant

CEILING THICKNESS

- Accommodates ½" to 1 1/2" ceiling thickness

INSTALLATION

- New construction or remodel (install from below) are available.
- Residential style bar hanger provided with all new construction housings except when specified with emergency battery.
- Vertically adjustable mounting brackets (butterfly brackets) are provided on non-ICAT new construction housings.

JUNCTION BOX

- New construction housings are rated for (4) No. 12 AWG 90°C through branch circuit conductors (excludes ECOD driver)
- New Construction housings include (6) ½", (1) ¾", (4) Non-metallic sheathed cable knock-outs.
- Remodel housings feature (8) ½" knockouts suitable for daisy chain wiring.
- Push-in electrical connectors for field connections.

CODES & LABELS

- UL & cUL listed for through branch wiring (excludes ECOD), damp location. Listed for wet location with WSOL option. NT3SQSHABV option is IP65 rated and can be used to comply with dead front and/or non-conductive lighting electrical code requirements.
- ICAT meets energy code air leakage requirements per ASTM E283
- ENERGY STAR® certified with NT3AC and NT3ABV trims for static white and NT3AC trims (excluding BS finish) for warmdim.
- Title 24, Part 6: JA-8 Compliant with 90CRI and ICAT. Refer to CEC T24 website for compliant trims
- ICAT housings are rated for direct contact with insulation
- 04LM ICAT & 08LM ICAT housings* are rated for direct contact with insulation, including open and closed cell spray foam with a maximum R-value of 7.2R/in. This allows use in ceiling cavities insulated up to R60.
- 12LM ICAT housings* are rated for direct contact with insulation, including open cell spray foam with a maximum R-value of 3.8R/in. They are not suitable for use with closed cell spray foam.
- NT3SHABV option can be used to comply with dead front and/or non-conductive lighting electrical code requirements.Flanged (SF) version is certified to IP65

Note: Options: "ECOS2", "ECOD" & "WDIM HALR" are excluded and not suitable for use with spray foam insulation. 12LM ICAT housings are only suitable for use with open cell spray foam, and not suitable for use with closed cell.

A+ CAPABLE LUMINAIRE

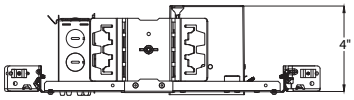
- This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning when used with Acuity Brands controls products.
- *All configurations of this luminaire are calibrated and tested to meet the Acuity Brands' specifications for chromatic consistency – including color rendering, color fidelity and color temperature tolerance around standard CIE chromaticity coordinates.*
- To learn more about A+ standards, specifications, and testing visit www.acuitybrands.com/aplus.

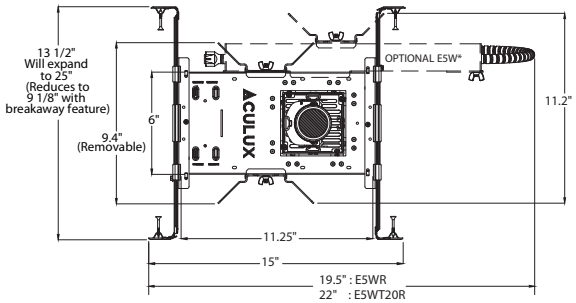
DIMENSIONS

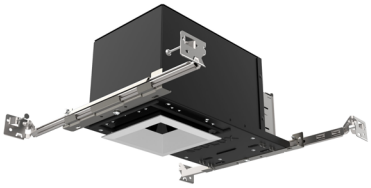
NEW CONSTRUCTION

Ceiling Cutout: 3.75" x 3.75" *(Refer to installation instructions for flangeless ceiling cutout)*
Ceiling Thickness Range: *1⁄2" – 1 1⁄2" (see ordering matrix)*

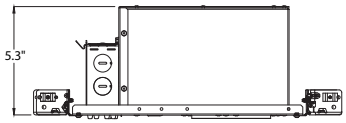
Non-ICAT

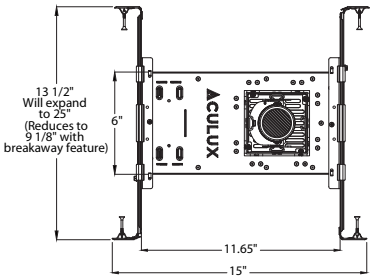


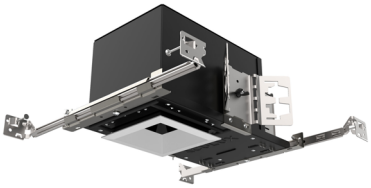




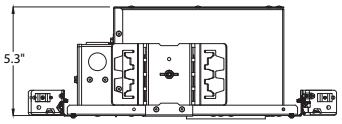
ICAT

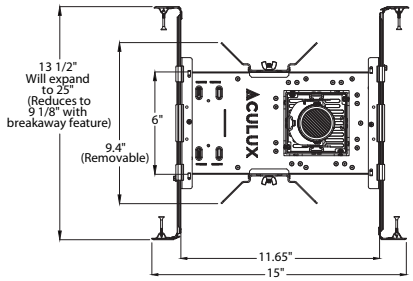






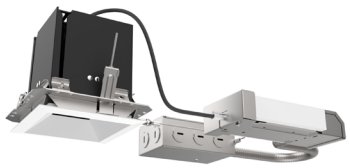
CP

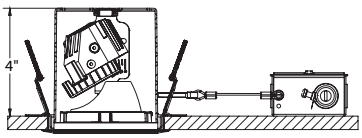


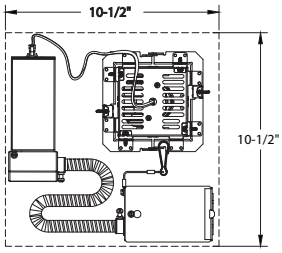


REMODEL (install from below)

Ceiling Cutout: 4.0" x 4.0" *(Refer to installation instructions for flangeless ceiling cutout)*
Ceiling Thickness Range: *1⁄2" – 1 1⁄2" (see ordering matrix)*







ELECTRICAL SPECIFICATIONS

	Static White								WarmDim®	
LUMEN PACKAGE	**04LM**		**08LM**		**12LM**		**15LM**		**08LM**	
Voltage	120	277	120	277	120	277	120	277	120	277
Input Watts	4.6	4.8	7.7	7.8	11.9	12.3	16.1	16.4	12.1	13.2
Input Current	0.04	0.02	0.06	0.03	0.1	0.05	0.13	0.06	0.10	0.06
Frequency	50/60HZ		50/60HZ		50/60HZ		50/60HZ		50/60HZ	
Power Factory	.9 MIN.		.9 MIN.		.9 MIN.		.9 MIN.		.9 MIN.	

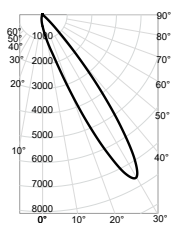
PHOTOMETRICS (@ 30° TILT) - NT3SQA

Tested in accordance to IESNA LM79

18 Degree Beam

INIT3SQ A 12LM 30K 80CRI 18D EZ1 MVOLT NT3SQA CD

3000k LEDs, input watts: 12.0
delivered lumens: 1201, LPW: 100.1
test no.: 19-952-01

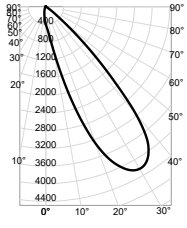


CP Summary	0°
0°	469
5°	703
15°	1,750
25°	6,122
35°	5,533
45°	582
55°	19
65°	1
75°	1
85°	0
90°	0

25 Degree Beam

INIT3SQ A 12LM 30K 80CRI 25D EZ1 MVOLT NT3SQA CD

3000k LEDs, input watts: 11.9
delivered lumens: 1224, LPW: 102.9
test no.: 19-952-06

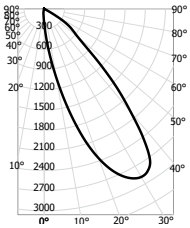


CP Summary	0°
0°	409
5°	558
15°	2,099
25°	3,992
35°	4,041
45°	1,541
55°	103
65°	1
75°	1
85°	0
90°	0

35 Degree Beam

INIT3SQ A 12LM 30K 80CRI 35D EZ1 MVOLT NT3SQA CD

3000k LEDs, input watts: 11.9
delivered lumens: 11.63, LPW: 97.7
test no.: 19-952-11

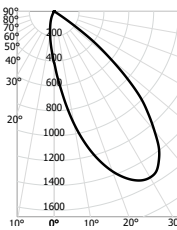


CP Summary	0°
0°	219
5°	521
15°	1743
25°	2737
35°	2739
45°	1212
55°	461
65°	1
75°	0
85°	0
90°	0

50 Degree Beam

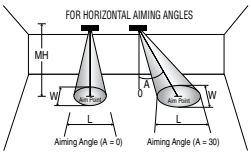
INIT3SQ A 12LM 30K 80CRI 50D EZ1 MVOLT NT3SQA CD

3000k LEDs, input watts: 11.9
delivered lumens: 1022, LPW: 85.9
test no.: 19-952-16

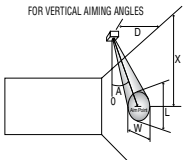


CP Summary	0°
0°	415
5°	629
15°	1174
25°	1496
35°	1467
45°	984
55°	167
65°	1
75°	0
85°	0
90°	0

Measured
NT3SQA CD
12LM | 30K | 80 CRI



Horizontal Aiming Angles



Vertical Aiming Angles

Beam Spread	CBCP	0°				30°			30°					35°			
		MH	FC	L	W	FC	L	W	D	FC	X	L	W	FC	X	L	W
18D	7624	6	212	1.8	1.8	138	2.4	2.1	3	106	5.2	3.8	1.8	160	4.3	2.9	1.6
		8	119	2.4	2.4	77	3.2	2.8	4	60	6.9	5.1	2.4	90	5.7	3.8	2.1
		10	76	3.0	3.0	50	4.0	3.5	5	38	8.7	6.4	3.0	58	7.1	4.8	2.6
		12	53	3.6	3.6	34	4.8	4.1	6	26	10.4	7.7	3.6	40	8.6	5.7	3.1
		14	39	4.2	4.2	25	5.6	4.8	7	19	12.1	9.0	4.2	29	10.0	6.7	3.6
25D	4232	4	265	1.9	1.9	172	2.6	2.2	2	132	3.5	4.6	1.9	200	2.9	3.3	1.7
		6	118	2.8	2.8	76	3.9	3.3	3	59	5.2	6.9	2.8	89	4.3	4.9	2.5
		8	66	3.8	3.8	43	5.2	4.4	4	33	6.9	9.1	3.8	50	5.7	6.5	3.3
		10	42	4.7	4.7	27	6.4	5.5	5	21	8.7	11.4	4.7	32	7.1	8.1	4.1
		12	29	5.7	5.7	19	7.7	6.6	6	15	10.4	13.7	5.7	22	8.6	9.8	5.0
35D	2959	4	185	2.6	2.6	120	3.6	3.0	2	92	3.5	7.8	2.6	140	2.9	5.2	2.3
		6	82	4.0	4.0	53	5.5	4.6	3	41	5.2	11.7	4.0	62	4.3	7.7	3.4
		8	46	5.3	5.3	30	7.3	6.1	4	23	6.9	15.7	5.3	35	5.7	10.3	4.6
		10	30	6.6	6.6	19	9.1	7.6	5	15	8.7	19.6	6.6	22	7.1	12.9	5.7
		12	21	7.9	7.9	13	10.9	9.1	6	10	10.4	23.5	7.9	16	8.6	15.5	6.9
50D	1582	4	99	3.2	3.2	64	4.6	3.7	2	49	3.5	12.7	3.2	75	2.9	7.4	2.8
		6	44	4.8	4.8	29	6.8	5.6	3	22	5.2	19.0	4.8	33	4.3	11.0	4.2
		8	25	6.5	6.5	16	9.1	7.5	4	12	6.9	25.3	6.5	19	5.7	14.7	5.6
		10	16	8.1	8.1	10	11.4	9.3	5	8	8.7	31.7	8.1	12	7.1	18.4	7.0
		12	11	9.7	9.7	7	13.7	11.2	6	5	10.4	38.0	9.7	8	8.6	22.1	8.5

In vertical aiming applications, aim point (X) is determined by dividing distance from the wall (D) by the tangent of the desired aim angle (A) (0.5774 for 30˚, 1.0 for 45˚).
CBCP • Centerbeam candlepower FC • Footcandles at beam center (aim point)

LUMEN | CBCP MULTIPLIERS

CCT	80+ CRI	90+ CRI
2700K	0.96	0.83
3000K	1.00	0.86
3500K	1.03	0.89
4000K	1.05	-
WDIM HALR	-	0.97

04LM	08LM	12LM	15LM
0.38	0.66	1.00	1.24

REFLECTOR FINISH				LENS OPTION	
CD	W	BD	WTD	(blank)	WSOL
1.0	1.01	0.96	0.99	1.0	0.94

*Refer to website for additional photometry (alternate trims, CCT/CRI, lumen packages)

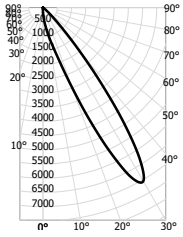
PHOTOMETRICS (@ 30° TILT) - NT3SQABV

Tested in accordance to IESNA LM79

18 Degree Beam

INIT3SQ A 12LM 30K 80CRI 18D EZ1 MVOLT NT3SQABV BD

input watts: 11.9
delivered lumens: 955, LPW: 80.3,
S/MH: 2.18
test no.: 19-952-02P15

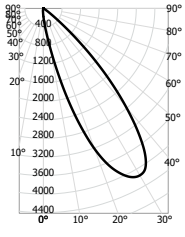


CP Summary	0°
0°	184
5°	473
15°	1528
25°	5632
35°	4981
45°	594
55°	27
65°	0
75°	0
85°	0
90°	0

25 Degree Beam

INIT3SQ A 12LM 30K 80CRI 25D EZ1 MVOLT NT3SQABV BD

input watts: 11.9,
delivered lumens: 1052, LPW: 88.4,
S/MH: 2.49
test no.: 19-952-07P15

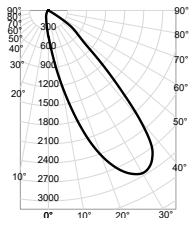


CP Summary	0°
0°	175
5°	396
15°	2019
25°	3921
35°	3811
45°	1526
55°	116
65°	0
75°	0
85°	0
90°	0

35 Degree Beam

INIT3SQ A 12LM 30K 80CRI 35D EZ1 MVOLT NT3SQABV BD

input watts: 11.9,
delivered lumens: 1008, LPW: 84.7,
S/MH: 2.68
test no.: 19-952-12P15

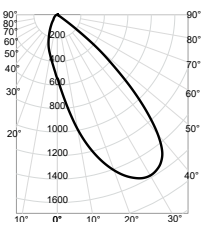


CP Summary	0°
0°	410
5°	683
15°	1,832
25°	2,799
35°	2,848
45°	1,199
55°	414
65°	2
75°	1
85°	0
90°	0

50 Degree Beam

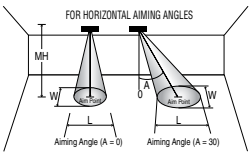
INIT3SQ A 12LM 30K 80CRI 50D EZ1 MVOLT NT3SQABV BD

input watts: 11.9,
delivered lumens: 872, LPW: 73.3,
S/MH: 2.24
test no.: 19-952-17P15

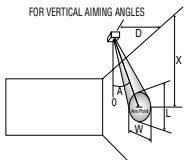


CP Summary	0°
0°	543
5°	732
15°	1,226
25°	1,532
35°	1,536
45°	907
55°	23
65°	2
75°	1
85°	0
90°	0

Measured
NT3SQABV
12LM | 30K | 80 CRI



Horizontal Aiming Angles



Vertical Aiming Angles

Beam Spread	CBCP	0°				30°			30°					35°			
		MH	FC	L	W	FC	L	W	D	FC	X	L	W	FC	X	L	W
18D	7050	6	196	1.8	1.8	127	2.5	2.1	3	98	5.2	3.9	1.8	148	4.3	2.9	1.6
		8	110	2.4	2.4	72	3.3	2.8	4	55	6.9	5.2	2.4	83	5.7	3.9	2.1
		10	71	3.0	3.0	46	4.1	3.5	5	35	8.7	6.5	3.0	53	7.1	4.9	2.7
		12	49	3.7	3.7	32	4.9	4.2	6	24	10.4	7.8	3.7	37	8.6	5.8	3.2
		14	36	4.3	4.3	23	5.7	4.9	7	18	12.1	9.2	4.3	27	10.0	6.8	3.7
25D	4153	4	260	2.2	2.2	169	3.0	2.5	2	130	3.5	5.7	2.2	196	2.9	3.9	1.9
		6	115	3.3	3.3	75	4.5	3.8	3	58	5.2	8.5	3.3	87	4.3	5.9	2.9
		8	65	4.4	4.4	42	6.0	5.1	4	32	6.9	11.4	4.4	49	5.7	7.9	3.8
		10	42	5.5	5.5	27	7.5	6.3	5	21	8.7	14.2	5.5	31	7.1	9.9	4.8
		12	29	6.6	6.6	19	9.0	7.6	6	14	10.4	17.0	6.6	22	8.6	11.8	5.7
35D	2883	4	180	2.5	2.5	117	3.4	2.8	2	90	3.5	6.8	2.5	136	2.9	4.6	2.1
		6	80	3.7	3.7	52	5.1	4.2	3	40	5.2	10.3	3.7	60	4.3	6.9	3.2
		8	45	4.9	4.9	29	6.8	5.7	4	23	6.9	13.7	4.9	34	5.7	9.2	4.3
		10	29	6.1	6.1	19	8.4	7.1	5	14	8.7	17.1	6.1	22	7.1	11.5	5.3
		12	20	7.4	7.4	13	10.1	8.5	6	10	10.4	20.5	7.4	15	8.6	13.8	6.4
50D	1542	4	96	3.2	3.2	63	4.5	3.7	2	48	3.5	12.3	3.2	73	2.9	7.2	2.8
		6	43	4.8	4.8	28	6.8	5.5	3	21	5.2	18.5	4.8	32	4.3	10.8	4.2
		8	24	6.4	6.4	16	9.0	7.4	4	12	6.9	24.6	6.4	18	5.7	14.4	5.6
		10	15	8.0	8.0	10	11.3	9.2	5	8	8.7	30.8	8.0	12	7.1	18.0	7.0
		12	11	9.6	9.6	7	13.5	11.1	6	5	10.4	36.9	9.6	8	8.6	21.7	8.4

In vertical aiming applications, aim point (X) is determined by dividing distance from the wall (D) by the tangent of the desired aim angle (A) (0.5774 for 30˚, 1.0 for 45˚).
CBCP • Centerbeam candlepower FC • Footcandles at beam center (aim point)

LUMEN | CBCP MULTIPLIERS

CCT	80+ CRI	90+ CRI
2700K	0.96	0.83
3000K	1.00	0.86
3500K	1.03	0.89
4000K	1.05	-
WDIM HALR	-	0.97

04LM	08LM	12LM	15LM
0.38	0.66	1.00	1.24

LENS OPTION	
(blank)	WSOL
1.0	0.94

*Refer to website for additional photometry (alternate trims, CCT/CRI, lumen packages)

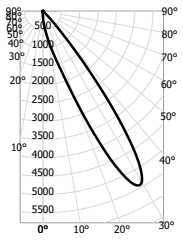
PHOTOMETRICS (@ 30° TILT) - NT3SQAPIN

Tested in accordance to IESNA LM79

18 Degree Beam

INIT3SQ A 12LM 30K 80CRI 18D EZ1 MVOLT NT3SQAPIN BD

input watts: 11.9
delivered lumens: 675, LPW: 56.7,
S/MH: 1.95
test no.: 19-952-04P15

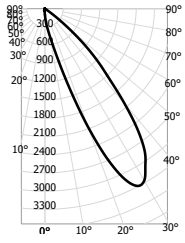


CP Summary	0°
0°	149
5°	418
15°	1359
25°	4621
35°	3631
45°	115
55°	1
65°	0
75°	0
85°	0
90°	0

25 Degree Beam

INIT3SQ A 12LM 30K 80CRI 25D EZ1 MVOLT NT3SQAPIN BD

input watts: 11.9
delivered lumens: 735, LPW: 61.8,
S/MH: 2.63
test no.: 19-952-09P15

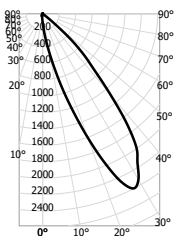


CP Summary	0°
0°	103
5°	255
15°	954
25°	3085
35°	2859
45°	1238
55°	72
65°	0
75°	0
85°	0
90°	0

35 Degree Beam

INIT3SQ A 12LM 30K 80CRI 35D EZ1 MVOLT NT3SQAPIN BD

input watts: 11.9
delivered lumens: 633, LPW: 53.2,
S/MH: 2.36
test no.: 19-952-14P15

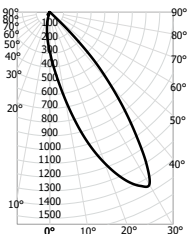


CP Summary	0°
0°	106
5°	241
15°	968
25°	2254
35°	1990
45°	717
55°	6
65°	0
75°	0
85°	0
90°	0

50 Degree Beam

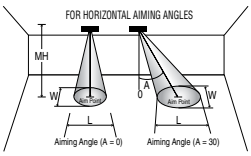
INIT3SQ A 12LM 30K 80CRI 50D EZ1 MVOLT NT3SQAPIN BD

input watts: 11.9
delivered lumens: 532, LPW: 44.7,
S/MH: 1.90
test no.: 19-952-19P15

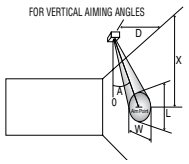


CP Summary	0°
0°	288
5°	432
15°	920
25°	1365
35°	1097
45°	239
55°	3
65°	0
75°	0
85°	0
90°	0

Measured
NT3SQAPIN BD
12LM | 30K | 80 CRI



Horizontal Aiming Angles



Vertical Aiming Angles

Beam Spread	CBCP	0°				30°			30°					35°			
		MH	FC	L	W	FC	L	W	D	FC	X	L	W	FC	X	L	W
18D	7624	6	212	1.8	1.8	138	2.4	2.1	3	106	5.2	3.8	1.8	160	4.3	2.9	1.6
		8	119	2.4	2.4	77	3.2	2.8	4	60	6.9	5.1	2.4	90	5.7	3.8	2.1
		10	76	3.0	3.0	50	4.0	3.5	5	38	8.7	6.4	3.0	58	7.1	4.8	2.6
		12	53	3.6	3.6	34	4.8	4.1	6	26	10.4	7.7	3.6	40	8.6	5.7	3.1
		14	39	4.2	4.2	25	5.6	4.8	7	19	12.1	9.0	4.2	29	10.0	6.7	3.6
25D	4232	4	265	1.9	1.9	172	2.6	2.2	2	132	3.5	4.6	1.9	200	2.9	3.3	1.7
		6	118	2.8	2.8	76	3.9	3.3	3	59	5.2	6.9	2.8	89	4.3	4.9	2.5
		8	66	3.8	3.8	43	5.2	4.4	4	33	6.9	9.1	3.8	50	5.7	6.5	3.3
		10	42	4.7	4.7	27	6.4	5.5	5	21	8.7	11.4	4.7	32	7.1	8.1	4.1
		12	29	5.7	5.7	19	7.7	6.6	6	15	10.4	13.7	5.7	22	8.6	9.8	5.0
35D	2959	4	185	2.6	2.6	120	3.6	3.0	2	92	3.5	7.8	2.6	140	2.9	5.2	2.3
		6	82	4.0	4.0	53	5.5	4.6	3	41	5.2	11.7	4.0	62	4.3	7.7	3.4
		8	46	5.3	5.3	30	7.3	6.1	4	23	6.9	15.7	5.3	35	5.7	10.3	4.6
		10	30	6.6	6.6	19	9.1	7.6	5	15	8.7	19.6	6.6	22	7.1	12.9	5.7
		12	21	7.9	7.9	13	10.9	9.1	6	10	10.4	23.5	7.9	16	8.6	15.5	6.9
50D	1582	4	99	3.2	3.2	64	4.6	3.7	2	49	3.5	12.7	3.2	75	2.9	7.4	2.8
		6	44	4.8	4.8	29	6.8	5.6	3	22	5.2	19.0	4.8	33	4.3	11.0	4.2
		8	25	6.5	6.5	16	9.1	7.5	4	12	6.9	25.3	6.5	19	5.7	14.7	5.6
		10	16	8.1	8.1	10	11.4	9.3	5	8	8.7	31.7	8.1	12	7.1	18.4	7.0
		12	11	9.7	9.7	7	13.7	11.2	6	5	10.4	38.0	9.7	8	8.6	22.1	8.5

In vertical aiming applications, aim point (X) is determined by dividing distance from the wall (D) by the tangent of the desired aim angle (A) (0.5774 for 30˚, 1.0 for 45˚).
CBCP • Centerbeam candlepower FC • Footcandles at beam center (aim point)

LUMEN | CBCP MULTIPLIERS

CCT	80+ CRI	90+ CRI
2700K	0.96	0.83
3000K	1.00	0.86
3500K	1.03	0.89
4000K	1.05	-
WDIM HALR	-	0.97

04LM	08LM	12LM	15LM
0.38	0.66	1.00	1.24

LENS OPTION	
(blank)	WSOL
1.0	0.94

*Refer to website for additional photometry (alternate trims, CCT/CRI, lumen packages)

DIMMER COMPATIBILITY

Phase Dimming (FPC Driver)

Incandescent, Magnetic Low Voltage and Electronic Low Voltage Dimming

- Dimming range of 100% down to as low as 1% a minimum load of one fixture
- Dimming range and maximum rated load vary depending on dimmer type and model. See maximum load calculations below to identify max number of luminaires per dimmer.

Incandescent (INC) and Magnetic Low Voltage (MLV)

Example: Fixture Rating = 13W
Dimmer Rating = 600W
Equivalent Incandescent Load (EIL) = 50%
(600/13W) X 0.5 = 23 Fixtures per Dimmer

Electronic Low Voltage (ELV)

Example: Fixture Rating = 13W
Dimmer Rating = 600W
Equivalent Incandescent Load (EIL) = 75%
(600/13W) X 0.75 = 34 Fixtures per Dimmer

INCANDESCENT, MLV, ELV WALL DIMMERS

Manf.	Product Family	Series	Type	Min Light (%)
Lutron	Glyder	GLV*	MLV	3
Leviton	SureSlide	6633*	INC	2
Lutron	Diva	DVLV	MLV	6
Lutron	Diva	DV*	INC	2
Lutron	Skylark	SLV*	MLV	4
Leviton	IllumaTech	IPL016-10Z*	INC	4
Leviton	SureSlide	6613*	MLV	3
Lutron	Diva	DVCL	INC	2
Insteon	Keypad Dimmer	2334-232*	INC	2
Insteon	Dimmer Switch	2477D*	INC	2
Control4	Forward Phase Dimmer	C4-FPD 120*	INC	2
Lutron	Nova	NTELV*	ELV	6
Lutron	Diva	DVELV	ELV	3
Lutron	Maestro	MAELV*	ELV	6
Leviton	Vizia	VPE06-1LX	ELV	3
Leviton	IllumaTech	IPE04*	ELV	6
Lutron	RadioRA2	RRD-6NA	PHA	2
Control4	Adaptive Phase Dimmer	C4-APD 120*	PHA	2

INTEGRATED CONTROL SYSTEMS

Manf.	Product Family	Series	Type	Min Light (%)
Lutron	LP	LP-RPM-4U*	INC	6
Lutron	LP	LP-RPM-4A	PHA	2
Lutron	GrafikEye QS	QSGRJ-3P*	PHA	2
Lutron	GrafikEye QS	PHPM-PA-120	PHA	2
Lutron	HomeWorks QS	PHPM-PA-120	PHA	2
Lutron	HomeWorks QS	HW-RPM-4A	PHA	2
Acuity	nLight nSP5PCD ELV	nSP5PCD*	ELV	2
Insteon	Micro Module Dimmer	2442-222*	INC	2
Control4	8 Ch Dimmer	C4-DIN-8DIM-E	PHA	2

0-10V Dimming (EZ1/GZ1 Driver)

WALL DIMMERS

Manf.	Product Family	Series	Type	Min Light (%)
Lutron	Nova T	NTFTV* +	0-10V	1
Lutron	Nova T	NTSTV-DV*	0-10V	1
Lutron	Nova T	NFTV* +	0-10V	1
ACUITY	SensorSwitch	WSX D WH*	0-10V	1

*: recommended dimmers
+: require a separate relay module to turn fixture on/off

INTEGRATED CONTROL SYSTEMS

Manf.	Product Family	Series	Type	Min Light (%)
Lutron	Energi Tripak	RMJ-5T-DV-B*	0-10V	1
Wattstopper	DLM	LMRC-211*	0-10V	1
Crestron	GreenLight	DIN-4DIMFLV4*	0-10V	1
Leviton	IllumaTech	IP710-DLX	0-10V	1
Lutron	GrafikEyeQS	GRX-TVI*	0-10V	1
Lutron	GrafikEyeQS	GRX-TVI*	0-10V	1
Lutron	HomeworksQS	GRX-TVM2*	0-10V	1