

PRODUCT SPECIFICATIONS

LED Light Engine Consistent fixture to fixture color within 3-step MacAdam ellipse • 2700K, 3000K, 3500K, or 4000K color temperatures are available with 80 CRI minimum • 2700K and 3000K also available with 90 CRI minimum.

Modular Optics 45° cutoff to source and source image • Available with 12° Spot, 24° Narrow Flood, 35° Flood and 50° wide flood field interchangeable optics • Additional distributions of 20°, 30°, 40°, 45° and 60° FWHM can be achieved with the use of the diffusing films and spot primary optic • Patented (US Patent 8,950,911) auto-adjusting optic holder maximizes luminaire efficiency by maintaining optimal LED optic position • Accommodates up to three (3) additional beam control lenses and/or filters.

Adjustability Acu-Aim™ precision geared hot-aiming achieves 370° rotation, 45° tilt • Optimized center beam optics translates light engine forward as it is aimed off nadir, ensuring maximum light and low brightness • Black aiming mechanism preserves dark aperture.

Trims Style Trim Ring, Self Flanged and Flangeless reflectors utilize torsion spring retention for tight, secure fit to ceiling • Trim ring features beveled knife edge for clean ceiling interface • Self Flanged reflectors with polished or optional white painted flange • For flangeless installations in drywall ceilings use the FMA3 flangeless adapter • For flangeless installations in wood, stone, or tile ceilings the SFM3 must be used (specify ceiling thickness and adapter finish).

LED Driver Seven (7) driver options available to accommodate 120-277V input and multiple control protocols • For a list of compatible dimmers, refer to [ACIXLED3-DIM](#) • Power Factor > 0.9 • Field replaceable from below or above ceiling.

Life Rated for 50,000 hrs at 70% lumen maintenance.

Warranty - 5YR 5-year limited warranty. Complete warranty terms located at: http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Wet location listed with certain trims • ICAT rated luminaires meet energy code Air Leakage requirements per ASTM E283 • ENERGY STAR® Certified with select trims • ICAT rated luminaires with 90CRI light engine are certified to high efficacy requirements of California T24 with select color temperatures and trims • ICAT housings are rated for direct contact with insulation • AX3 A 08LM/12LM (ICAT option) and AX3 LPA 08LM/12LM (ICAT Option) are compatible with spray foam insulation with an R-Value of 3.7 per inch or less • Union made.

**3" LED UNIVERSAL RECESSED
 ADJUSTABLE/DOWNLIGHT/WALL WASH
 800/1200/1500/2000 LUMEN
 ROUND APERTURE NEW CONSTRUCTION
 AX3**



New Construction Mounting Features patented (US Patent 8,038,113) Pro-VI™ bar hanger system, permitting quick placement of housing with 24" on-center joists or suspended ceilings • All fixtures except for AX3 A 20LM (ICAT option) also feature vertically adjustable mounting brackets (butterfly brackets) • Centerline indicators on plaster frame and patented (US Patent 8,277,090) Tru-Line™ Platform featuring +/- 1/2" translation aids fixture alignment after installation, prior to drywall.

Junction Box Rated for 4 No. 12 AWG 90° C through branch circuit conductors and includes (6) 1/2", (1) 3/4", and (4) Non-metallic sheathed cable knock-outs • Push-in electrical connectors for field connections.

Specifications subject to change without notice.

ORDERING INFORMATION

Example: AX3 A 12LM 30K 80CRI 24D FPC 120 ICAT 3ABV BS SF CTA/125

HOUSING OPTIONS	Series / Housing Style		Lumens		CCT		CRI		Beam		Driver		Voltage ¹		Options	
		AX3 A	New Const. Universal ADJ/DL/WW	08LM	800 Lumens	27K	2700K	80CRI	12D	12° beam	EZ1	eldoLED 0-10V, 1% dim	120	CP	Chicago Plenum	
			12LM	1200 Lumens	30K	3000K	90CRI	24D	24° beam	EZB	eldoLED 0-10V, <1% dim	277	ICAT	IC, Air-Tight		
	AX3 LPA	Low Profile Universal ADJ/DL/WW	15LM	1500 Lumens	35K	3500K		35D	35° beam	FPC	Phase cut dimming, 5% dim	MVOLT (120-277)	NLIGHT ²	nLight dimming pack controls		
			20LM	2000 Lumens	40K	4000K		50D	50° beam	ECOS2	Lutron Hi-Lume A series 2-wire forward phase, 1% dim					
										ECOS3	Lutron Hi-Lume A series 3-wire with EcoSystem, 1% dim					
										DMXR	DMX,RDM Driver, 1% dim					
										DALI	DALI Driver, 1% dim					

TRIM OPTIONS	Trim Style		Reflector Finish		Flange Style / Finish		Environment		Ceiling Installation	
		ADJUSTABLE ACCENT	DOWNLIGHT	BS	Black Specular	FLANGED	WET	Wet location	SELF-FLANGED	
	3AC ⁶	Angle-Cut Reflector 45°	3DP ⁶	Parabolic Downlight Trim	SF	Self Flanged (same finish as reflector)				
	3ASLOT ⁶	Slot Cut Reflector 45°	3DH ⁶	Hyperbolic Downlight Trim	WHSF	Self Flanged, White painted flange			CTA3/125	Ceiling 0.875" - 1.25"
	3AC20 ⁶	Shallow Angle-Cut Reflector 20°	3DBAF ⁴	Baffle Downlight Trim	BLSF	Self Flanged, Black painted flange			CTA3/163	Ceiling 1.25" - 1.625"
	3ABAF ⁴	Angle-Cut Baffle	3DBV ⁵	Downlight Bevel	WHR	White Trim Ring			FLANGELESS, GYPNUM	
	3ABV ⁵	Adjustable Bevel	3DPIN ⁷	Downlight Pinhole, 1 1/4"	SCR	Satin Chrome Trim Ring			FMA3/087	Ceiling ≤ .875"
	3APIN ⁷	Adjustable Pinhole, 1 1/4"			ABZR	Aged Bronze Trim Ring			FMA3/125	Ceiling 0.875" - 1.25"
	3APINLG ⁷	Adjustable Pinhole, 1 3/4"			FLANGELESS ⁸				FMA3/163	Ceiling 1.25" - 1.625"
	3AOVAL ⁵	Adjustable Slot Pinhole	3WW ⁶	Wall Wash	FM	Flangeless			FLANGELESS, WOOD/STONE/TILE ³	
					WHFM	Flangeless, White trim			SFM3/087 (B,W)	Ceiling ≤ 0.875"
					BLFM	Flangeless, Black trim			SFM3/125 (B,W)	Ceiling 0.875" - 1.25"
									SFM3/163 (B,W)	Ceiling 1.25" - 1.625"

Ordering Notes

¹ MVOLT standard on EZ1, EZB, ECOS3, DMXR, DALI unless NLIGHT specified. Must be 120 for FPC or ECOS2. ⁴ Available with B, W, ABZR, WHR, SCR only. ⁷ Available with BS, ABZR, BLSF, SCR, WHSF, BLFM, WHFM only. ⁸ For Flangeless trims, specify flangeless ceiling installation (FMA3 or SFM3)

² Must specify 120 or 277 volts. NLIGHT only available with EZ1 or EZB. ³ Available with BS, BLSF, WHSF, BLFM, WHFM only. ⁶ Not available with BLSF, WHFM, BLFM.

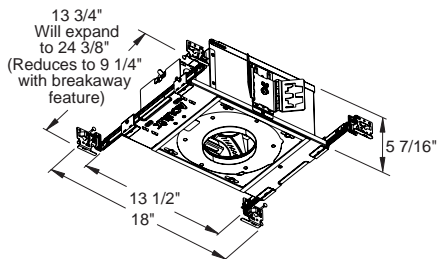
⁵ Specify finish : B = Black, W = White.

A+ Capable options indicated by this color background.

3" LED UNIVERSAL RECESSED ADJUSTABLE/DOWNLIGHT/WALL WASH 800/1200/1500/2000 LUMEN ROUND APERTURE NEW CONSTRUCTION AX3

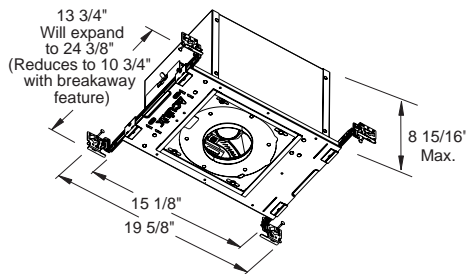
DIMENSIONS

NEW CONSTRUCTION

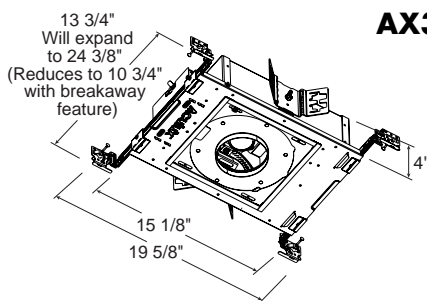
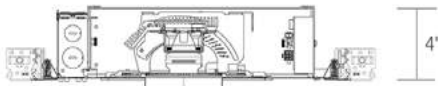


AX3 A

**AX3 A
20LM ICAT**



LOW PROFILE



AX3 LPA

4 1/4" CEILING CUTOUT
(REFER TO INSTRUCTION SHEET FOR
FLANGELESS CEILING CUTOUT)

ELECTRICAL DATA

Lumen Package	800		1200		1500		2000	
Voltage	120	277	120	277	120	277	120	277
Input Power	11.1W	11.3W	17.0W	17.5W	22.3W	22.6W	29.5W	29.3W
Input Current	0.08	0.04	0.13	0.06	0.17	0.08	0.23	0.10
Frequency	50/60Hz		50/60Hz		50/60Hz		50/60Hz	
Power Factor	>0.9	>0.9	>0.9	>0.9	>0.9	>0.9	>0.9	>0.9

ACCESSORIES

Cat. #	Description
3AXOPT/12D	12° Spot Optic
3AXOPT/24D	24° Narrow Flood Optic
3AXOPT/35D	35° Flood Optic
3AXOPT/50D	50° Wide Flood Optic
AF3/10	10° Film (Use with Spot Optic)
AF3/20	20° Film (Use with Spot Optic)
AF3/30	30° Film (Use with Spot Optic)
AF3/40	40° Film (Use with Spot Optic)
AF3/50	50° Film (Use with Spot Optic)
AF3/60x1	60°x1° Film (Use with Spot Optic)
CGF 200 MPINK	Med. Pink Color Filter
CGF 200 WRED	Warm Red Color Filter
CGF 200 DLTBLUE	Daylight Blue Color Filter
CGF 200 MBLU	Med. Blue Color Filter
CGF 200 MAMB	Med. Amber Color Filter
CGF 200 MGRN	Med. Green Color Filter
DGF 200 DRED	Red Dichroic Lens
DGF 200 MGRN	Med. Green Dichroic Lens
DGF 200 MBLU	Med. Blue Dichroic Lens
DGF 200 DYEL	Yellow Dichroic Lens
DGF 200 MAGEN	Magenta Dichroic Lens
DGF 200 CYAN	Blue Green Dichroic Lens
DCCF 200 HL4250	Daylight Blue Correction Lens
DIFF 200	Diffuse Spread Lens
SOLITE 200	Uniformity Lens
UVF 200	UV Filter Lens
PRISM 200	Prismatic Lens
LSPREAD 200	Linear Spread Lens
HCLBL 200	Hexcell Louver
HB1	(2) Real Nail 3 Bar Hangers
HB26	(2) 26" C-Channel Bar Hangers
HB50	(2) 50" C-Channel Bar Hangers
LB27	(2) 27" Linear Bar Hangers
EMI20	20W Emergency Lighting Inverter

To order, specify catalog number.

DIFFUSING FILMS

To achieve the desired beam angle (FWHM), specify the following primary LED optic on the luminaire and order the diffusing film from the table below

Desired FWHM	Primary Optic	Film
12°	12D	-
20°	12D	AF3/10
24°	24D	-
30°	12D	AF3/20
35°	35D	-
40°	12D	AF3/30
45°	12D	AF3/40
50°	50D	-
60°	12D	AF3/50
20°x60°	12D	AF3/60x1

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TRIM SELECTION

ADJUSTABLE ACCENT

3AC Angle-Cut Reflector, 45° Aperture : 3 1/4"

Trim Ring Self-Flanged Flangeless

	CCT/CRI:	80CRI 27K, 30K, 35K, 40K 90CRI 30K
	Optic:	12D, 24D, 35D, 50D
	Trim Finish:	CS, CD, WTD



	Construction:	ICAT
	CCT/CRI:	90CRI 27K, 30K
	Optic:	12D, 24D, 35D, 50D
	Trim Finish:	CS, CD, WTD

3ASLOT Slot Cut Reflector, 45° Aperture : 3 1/4"

Trim Ring Self-Flanged Flangeless

	CCT/CRI:	80CRI 27K, 30K, 35K, 40K 90CRI 30K
	Optic:	12D, 24D, 35D, 50D
	Trim Finish:	CS, CD, WTD

	Construction:	ICAT
	CCT/CRI:	90CRI 27K, 30K
	Optic:	12D, 24D, 35D, 50D
	Trim Finish:	CS, CD, WTD

3AC20 Shallow Angle-Cut Reflector, 20° Aperture : 3 1/4"

Trim Ring Self-Flanged Flangeless

	CCT/CRI:	80CRI 27K, 30K, 35K, 40K 90CRI 30K
	Optic:	12D, 24D, 35D, 50D
	Trim Finish:	CS, CD, WTD

	Construction:	ICAT
	CCT/CRI:	90CRI 27K, 30K
	Optic:	12D, 24D, 35D, 50D
	Trim Finish:	CS, CD, WTD

3ABAF Angle-Cut Baffle, 45° Aperture : 3 1/4"

Trim Ring

	CCT/CRI:	80CRI 27K, 30K, 35K, 40K 90CRI 30K
	Optic:	12D, 24D, 35D, 50D
	Trim Finish:	W

	Construction:	ICAT
	CCT/CRI:	90CRI 27K, 30K
	Optic:	12D, 24D, 35D, 50D
	Trim Finish:	W

3ABV Adjustable Bevel, 45° Aperture : 1 3/4"

Trim Ring Flangeless

	CCT/CRI:	80CRI 27K, 30K, 35K, 40K 90CRI 30K
	Optic:	12D, 24D, 35D

	Construction:	ICAT
	CCT/CRI:	90CRI 27K, 30K
	Optic:	12D, 24D, 35D

3APIN Adjustable Pinhole, 45° Aperture : 1 1/4"

Trim Ring Flangeless



3APINLG Adjustable Pinhole, 1 3/4", 45° Aperture : 1 3/4"

Trim Ring Flangeless

3AOVAL Adjustable Slot Pinhole, 45° Aperture : 1 3/4" x 2 1/2"


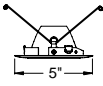

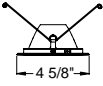

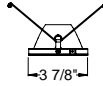








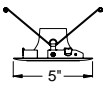

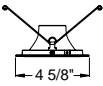

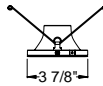











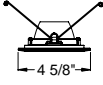

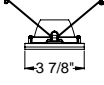







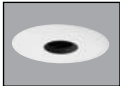
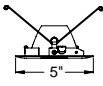

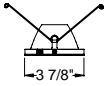

Trim Ring Flangeless

* With WET option


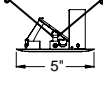

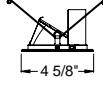

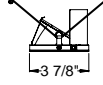

3" LED UNIVERSAL RECESSED ADJUSTABLE/DOWNLIGHT/WALL WASH 800/1200/1500/2000 LUMEN ROUND APERTURE NEW CONSTRUCTION AX3

TRIM SELECTION (continued)

DOWNLIGHT

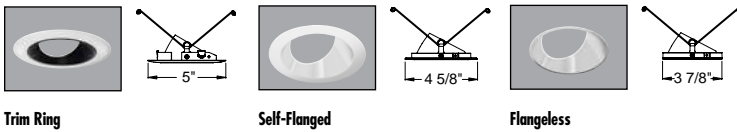
3DP Parabolic Downlight Trim		Aperture : 3 1/4"																					
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3DH Hyperbolic Downlight Trim		Aperture : 3 1/4"																					
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3DBAF Baffle Downlight Trim		Aperture : 3 1/4"																					
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3DBV Downlight Bevel		Aperture : 1 3/4"																					
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3DPIN Downlight Pinhole		Aperture : 1 1/4"																					
																							
Trim Ring		Flangeless																					

WALL WASH

3WW Wall Wash		Aperture : 3 1/4"					
							
Trim Ring		Self-Flanged		Flangeless			

* With WET option

3AC Angle-Cut Reflector



3" LED UNIVERSAL RECESSED ADJUSTABLE/DOWNLIGHT/WALL WASH 800/1200/1500/2000 LUMEN ROUND ANGLE-CUT REFLECTOR 3AC Trim

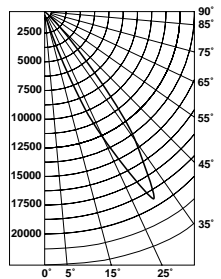
PHOTOMETRICS

SPOT

PHOTOMETRIC REPORT
 Test Report: PTO4152501
 Catalog No: AX3 A 20LM 30K 80CRI
 120 FPC 120 3AC CS
 Watts: 26.2
 Lumens: 1847
 Luminaire LPW: 70

Candlepower Distribution (Candelas)

Degrees	Vertical Candela
0°	440
5°	358
10°	937
15°	1941
20°	5893
25°	13906
30°	19322
35°	14239
40°	6103
45°	1659
50°	165
55°	52
60°	7
65°	1
70°	0
75°	0
80°	0
85°	0
90°	0

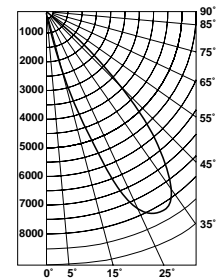


NARROW FLOOD

PHOTOMETRIC REPORT
 Test Report: PTO4152701
 Catalog No: AX3 A 20LM 30K 80CRI
 240 FPC 120 3AC CS
 Watts: 26.2
 Lumens: 1918
 Luminaire LPW: 73

Candlepower Distribution (Candelas)

Degrees	Vertical Candela
0°	514
5°	497
10°	880
15°	2232
20°	4959
25°	7292
30°	8215
35°	7774
40°	6177
45°	3722
50°	984
55°	143
60°	55
65°	2
70°	0
75°	0
80°	0
85°	0
90°	0

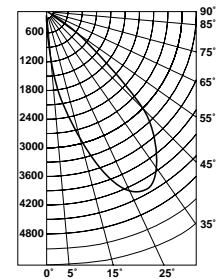


FLOOD

PHOTOMETRIC REPORT
 Test Report: PTO4152801
 Catalog No: AX3 A 20LM 30K 80CRI
 350 FPC 120 3AC CS
 Watts: 26.2
 Lumens: 1936
 Luminaire LPW: 74

Candlepower Distribution (Candelas)

Degrees	Vertical Candela
0°	567
5°	1156
10°	1934
15°	2926
20°	3773
25°	4225
30°	4360
35°	4164
40°	3713
45°	3009
50°	1842
55°	991
60°	488
65°	7
70°	0
75°	0
80°	0
85°	0
90°	0

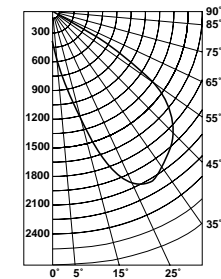


WIDE FLOOD

PHOTOMETRIC REPORT
 Test Report: PTO4152901
 Catalog No: AX3 A 20LM 30K 80CRI
 500 FPC 120 3AC CS
 Watts: 26.2
 Lumens: 1716
 Luminaire LPW: 65

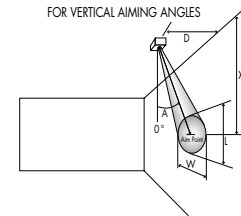
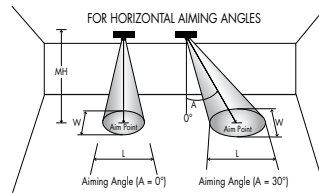
Candlepower Distribution (Candelas)

Degrees	Vertical Candela
0°	427
5°	615
10°	906
15°	1292
20°	1735
25°	2032
30°	2126
35°	2074
40°	1989
45°	1906
50°	1771
55°	1345
60°	673
65°	13
70°	1
75°	0
80°	0
85°	0
90°	0



LUMEN OUTPUT MULTIPLIERS

Color Temperature	CRI	Multiplier	Lumen Package	Multiplier
2700K	80	0.95	800	0.40
3000K	80	1.00	1200	0.61
3500K	80	1.05	1500	0.75
4000K	80	1.10	2000	1.00
2700K	90	0.83		
3000K	90	0.87		



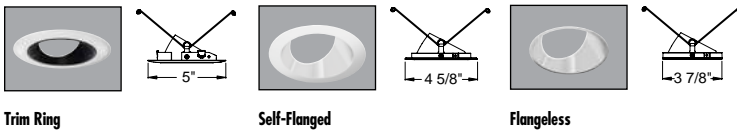
CBCP • Centerbeam candlepower
FC • Footcandles at beam center (aim point)

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°).



Beam Type	Beam Spread	CBCP	0°			30°			30°			45°						
			MH	FC	L W	FC	L W	D	FC	X L W	FC	X L W						
SP	12°	19322	6	537	1.6	1.6	349	2.1	1.8	3	268	5.2	3.5	1.6	759	3.0	1.6	1.1
			8	302	2.1	2.1	196	2.8	2.4	4	151	6.9	4.5	2.1	427	4.0	2.2	1.5
			10	193	2.7	2.7	126	3.6	3.1	5	97	8.7	5.6	2.7	273	5.0	2.7	1.9
			12	134	3.2	3.2	87	4.3	3.7	6	67	10.4	6.7	3.2	190	6.0	3.2	2.2
			14	99	3.7	3.7	64	5.0	4.3	7	49	12.1	7.8	3.7	139	7.0	3.8	2.6
NFL	24°	8215	4	513	1.8	1.8	333	2.5	2.1	2	257	3.5	4.4	1.8	726	2.0	1.9	1.3
			6	228	2.8	2.8	148	3.7	3.2	3	114	5.2	6.6	2.8	323	3.0	2.9	2.0
			8	128	3.7	3.7	83	5.0	4.2	4	64	6.9	8.7	3.7	182	4.0	3.9	2.6
			10	82	4.6	4.6	53	6.2	5.3	5	41	8.7	10.9	4.6	116	5.0	4.9	3.3
FL	35°	4360	6	57	5.5	5.5	37	7.5	6.4	6	29	10.4	13.1	5.5	81	6.0	5.8	3.9
			4	273	2.7	2.7	177	3.8	3.2	2	136	3.5	8.4	2.7	385	2.0	3.1	1.9
			6	121	4.1	4.1	79	5.7	4.7	3	61	5.2	12.6	4.1	171	3.0	4.6	2.9
			8	68	5.5	5.5	44	7.6	6.3	4	34	6.9	16.8	5.5	96	4.0	6.2	3.9
WFL	50°	2126	10	44	6.8	6.8	28	9.5	7.9	5	22	8.7	21.0	6.8	62	5.0	7.7	4.8
			12	30	8.2	8.2	20	11.4	9.5	6	15	10.4	25.2	8.2	43	6.0	9.3	5.8
			4	133	4.1	4.1	86	6.0	4.7	2	66	3.5	37.5	4.1	188	2.0	5.5	2.9
			6	59	6.1	6.1	38	8.9	7.1	3	30	5.2	56.3	6.1	84	3.0	8.3	4.3
			8	33	8.2	8.2	22	11.9	9.4	4	17	6.9	75.0	8.2	47	4.0	11.1	5.8
			10	21	10.2	10.2	14	14.9	11.8	5	11	8.7	93.8	10.2	30	5.0	13.9	7.2
			12	15	12.3	12.3	10	17.9	14.2	6	7	10.4	112.5	12.3	21	6.0	16.6	8.7

3AC Angle-Cut Reflector



3" LED UNIVERSAL RECESSED ADJUSTABLE/DOWNLIGHT/WALL WASH 800/1200/1500/2000 LUMEN ROUND ANGLE-CUT REFLECTOR 3AC Trim with WET option

PHOTOMETRICS

SPOT

PHOTOMETRIC REPORT

Test Report: PTO4152508

Catalog No: AX3 A 20LM 30K 80CRI
12D FPC 120 3AC CS WET

Watts: 26.2
Lumens: 1723
Luminaire LPW: 66

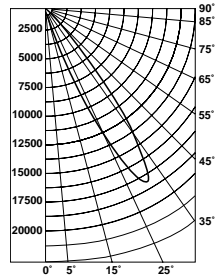
Candlepower Distribution

(Candelas)

Degrees

Vertical Candela

0°	397
5°	392
10°	842
15°	1933
20°	5686
25°	13077
30°	17666
35°	12835
40°	5400
45°	1532
50°	264
55°	50
60°	8
65°	1
70°	0
75°	0
80°	0
85°	0
90°	0



NARROW FLOOD

PHOTOMETRIC REPORT

Test Report: PTO4152708

Catalog No: AX3 A 20LM 30K 80CRI
24D FPC 120 3AC CS WET

Watts: 26.2
Lumens: 1771
Luminaire LPW: 68

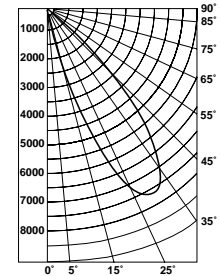
Candlepower Distribution

(Candelas)

Degrees

Vertical Candela

0°	557
5°	550
10°	1006
15°	2553
20°	5209
25°	7049
30°	7658
35°	7046
40°	5423
45°	3058
50°	707
55°	116
60°	44
65°	2
70°	0
75°	0
80°	0
85°	0
90°	0



FLOOD

PHOTOMETRIC REPORT

Test Report: PTO4152808

Catalog No: AX3 A 20LM 30K 80CRI
35D FPC 120 3AC CS WET

Watts: 26.2
Lumens: 1808
Luminaire LPW: 69

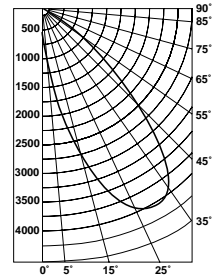
Candlepower Distribution

(Candelas)

Degrees

Vertical Candela

0°	538
5°	1043
10°	1806
15°	2725
20°	3506
25°	3905
30°	4035
35°	3863
40°	3450
45°	2800
50°	1729
55°	923
60°	464
65°	23
70°	0
75°	0
80°	0
85°	0
90°	0



WIDE FLOOD

PHOTOMETRIC REPORT

Test Report: PTO4152908

Catalog No: AX3 A 20LM 30K 80CRI
50D FPC 120 3AC CS WET

Watts: 26.2
Lumens: 1574
Luminaire LPW: 60

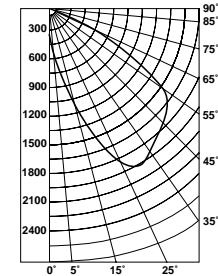
Candlepower Distribution

(Candelas)

Degrees

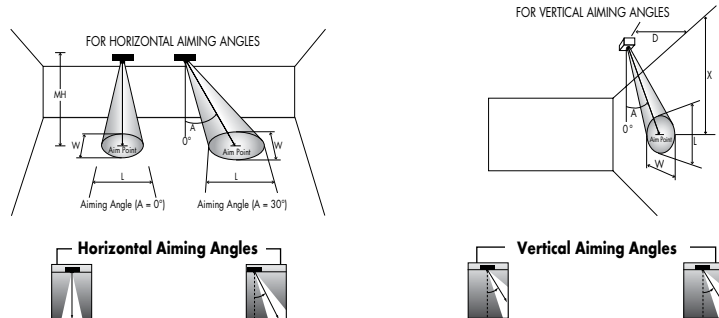
Vertical Candela

0°	382
5°	533
10°	774
15°	1134
20°	1549
25°	1862
30°	1985
35°	1943
40°	1864
45°	1815
50°	1765
55°	1582
60°	925
65°	124
70°	1
75°	0
80°	0
85°	0
90°	0



LUMEN OUTPUT MULTIPLIERS

Color Temperature	CRI	Multiplier	Lumen Package	Multiplier
2700K	80	0.95	800	0.40
3000K	80	1.00	1200	0.61
3500K	80	1.05	1500	0.75
4000K	80	1.10	2000	1.00
2700K	90	0.83		
3000K	90	0.87		

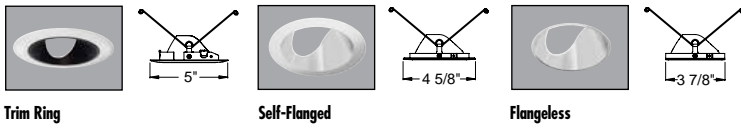


CBCP • Centerbeam candlepower
FC • Footcandles at beam center (aim point)

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°).

Beam Type	Beam Spread°	CBCP	0°				30°			30°				45°				
			MH	FC	L	W	FC	L	W	D	FC	X	L	W	FC	X	L	W
SP	12°	17666	6	491	1.6	1.6	319	2.1	1.8	3	245	5.2	3.4	1.6	694	3.0	1.6	1.1
			8	276	2.1	2.1	179	2.8	2.4	4	138	6.9	4.5	2.1	390	4.0	2.2	1.5
			10	177	2.7	2.7	115	3.6	3.1	5	88	8.7	5.6	2.7	250	5.0	2.7	1.9
			12	123	3.2	3.2	80	4.3	3.7	6	61	10.4	6.7	3.2	173	6.0	3.2	2.2
			14	90	3.7	3.7	59	5.0	4.3	7	45	12.1	7.8	3.7	127	7.0	3.8	2.6
NFL	24°	4338	4	479	1.8	1.8	311	2.5	2.1	2	239	3.5	4.4	1.8	677	2.0	2.0	1.3
			6	213	2.8	2.8	138	3.8	3.2	3	106	5.2	6.6	2.8	301	3.0	2.9	2.0
			8	120	3.7	3.7	78	5.0	4.3	4	60	6.9	8.8	3.7	169	4.0	3.9	2.6
			10	77	4.6	4.6	50	6.3	5.3	5	38	8.7	11.0	4.6	108	5.0	4.9	3.3
FL	35°	1678	12	53	5.5	5.5	35	7.5	6.4	6	27	10.4	13.2	5.5	75	6.0	5.9	3.9
			4	252	2.8	2.8	164	3.8	3.2	2	126	3.5	8.6	2.8	357	2.0	3.1	1.9
			6	112	4.1	4.1	73	5.7	4.8	3	56	5.2	12.8	4.1	159	3.0	4.7	2.9
			8	63	5.5	5.5	41	7.6	6.4	4	32	6.9	17.1	5.5	89	4.0	6.3	3.9
WFL	50°	1678	10	40	6.9	6.9	26	9.6	8.0	5	20	8.7	21.4	6.9	57	5.0	7.8	4.9
			12	28	8.3	8.3	18	11.5	9.5	6	14	10.4	25.7	8.3	40	6.0	9.4	5.8
			4	124	3.4	3.4	81	4.8	3.9	2	62	3.5	14.8	3.4	175	2.0	4.1	2.4
			6	55	5.1	5.1	36	7.2	5.9	3	28	5.2	22.2	5.1	78	3.0	6.2	3.6
			8	31	6.8	6.8	20	9.6	7.8	4	16	6.9	29.6	6.8	44	4.0	8.3	4.8
			10	20	8.5	8.5	13	12.0	9.8	5	10	8.7	37.0	8.5	28	5.0	10.4	6.0
			12	14	10.2	10.2	9	14.5	11.8	6	7	10.4	44.3	10.2	19	6.0	12.4	7.2

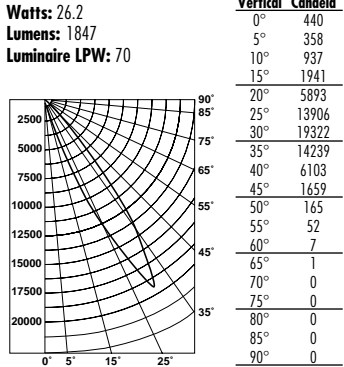
3ASLOT Slot Cut Reflector



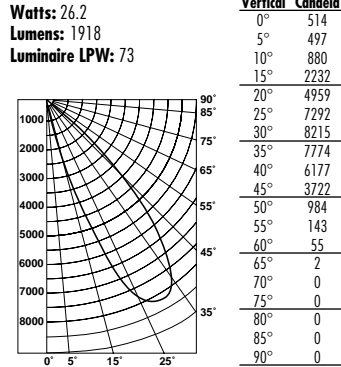
3" LED UNIVERSAL RECESSED ADJUSTABLE/DOWNLIGHT/WALL WASH 800/1200/1500/2000 LUMEN ROUND SLOT-CUT REFLECTOR 3ASLOT Trim

PHOTOMETRICS

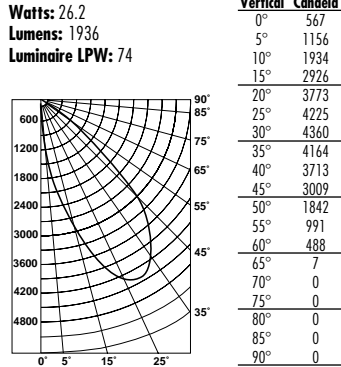
SPOT
PHOTOMETRIC REPORT
Test Report: PTO4152501R
Catalog No: AX3 A 20LM 30K 80CRI
12D FPC 120 3ASLOT CS



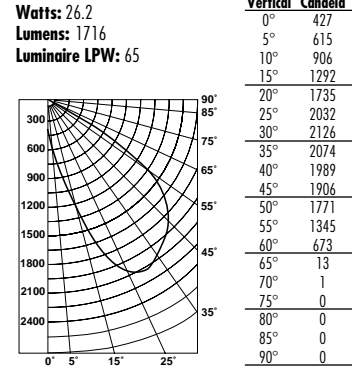
NARROW FLOOD
PHOTOMETRIC REPORT
Test Report: PTO4152701R
Catalog No: AX3 A 20LM 30K 80CRI
24D FPC 120 3ASLOT CS



FLOOD
PHOTOMETRIC REPORT
Test Report: PTO4152801R
Catalog No: AX3 A 20LM 30K 80CRI
35D FPC 120 3ASLOT CS



WIDE FLOOD
PHOTOMETRIC REPORT
Test Report: PTO4152901R
Catalog No: AX3 A 20LM 30K 80CRI
50D FPC 120 3ASLOT CS

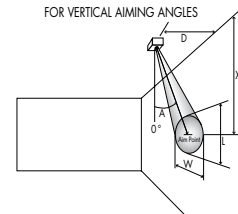
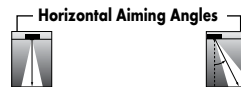
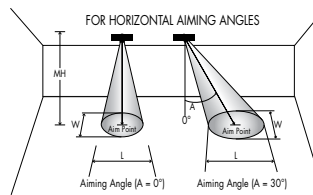


LUMEN OUTPUT MULTIPLIERS

Color Temperature	CRI	Multiplier	Lumen Package	Multiplier
2700K	80	0.95	800	0.40
3000K	80	1.00	1200	0.61
3500K	80	1.05	1500	0.75
4000K	80	1.10	2000	1.00
2700K	90	0.83		
3000K	90	0.87		

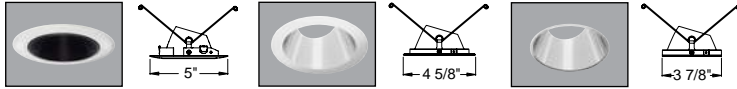
CBCP • Centerbeam candlepower
FC • Footcandles at beam center (aim point)

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°).



Beam Type	Beam Spread	CBCP	0°				30°				30°				45°			
			MH	FC	L	W	FC	L	W	D	FC	X	L	W	FC	X	L	W
SP	12°	19322	6	537	1.6	1.6	349	2.1	1.8	3	268	5.2	3.5	1.6	759	3.0	1.6	1.1
			8	302	2.1	2.1	196	2.8	2.4	4	151	6.9	4.5	2.1	427	4.0	2.2	1.5
			10	193	2.7	2.7	126	3.6	3.1	5	97	8.7	5.6	2.7	273	5.0	2.7	1.9
			12	134	3.2	3.2	87	4.3	3.7	6	67	10.4	6.7	3.2	190	6.0	3.2	2.2
			14	99	3.7	3.7	64	5.0	4.3	7	49	12.1	7.8	3.7	139	7.0	3.8	2.6
NFL	24°	8215	4	513	1.8	1.8	333	2.5	2.1	2	257	3.5	4.4	1.8	726	2.0	1.9	1.3
			6	228	2.8	2.8	148	3.7	3.2	3	114	5.2	6.6	2.8	323	3.0	2.9	2.0
			8	128	3.7	3.7	83	5.0	4.2	4	64	6.9	8.7	3.7	182	4.0	3.9	2.6
			10	82	4.6	4.6	53	6.2	5.3	5	41	8.7	10.9	4.6	116	5.0	4.9	3.3
FL	35°	4360	6	57	5.5	5.5	37	7.5	6.4	6	29	10.4	13.1	5.5	81	6.0	5.8	3.9
			4	273	2.7	2.7	177	3.8	3.2	2	136	3.5	8.4	2.7	385	2.0	3.1	1.9
			6	121	4.1	4.1	79	5.7	4.7	3	61	5.2	12.6	4.1	171	3.0	4.6	2.9
			8	68	5.5	5.5	44	7.6	6.3	4	34	6.9	16.8	5.5	96	4.0	6.2	3.9
WFL	50°	2126	10	44	6.8	6.8	28	9.5	7.9	5	22	8.7	21.0	6.8	62	5.0	7.7	4.8
			12	30	8.2	8.2	20	11.4	9.5	6	15	10.4	25.2	8.2	43	6.0	9.3	5.8
			4	133	4.1	4.1	86	6.0	4.7	2	66	3.5	37.5	4.1	188	2.0	5.5	2.9
			6	59	6.1	6.1	38	8.9	7.1	3	30	5.2	56.3	6.1	84	3.0	8.3	4.3
			8	33	8.2	8.2	22	11.9	9.4	4	17	6.9	75.0	8.2	47	4.0	11.1	5.8
			10	21	10.2	10.2	14	14.9	11.8	5	11	8.7	93.8	10.2	30	5.0	13.9	7.2
			12	15	12.3	12.3	10	17.9	14.2	6	7	10.4	112.5	12.3	21	6.0	16.6	8.7

3AC20 Shallow Angle-Cut Reflector, 20°



Trim Ring Self-Flanged Flangeless

3" LED UNIVERSAL RECESSED
ADJUSTABLE/DOWNLIGHT/WALL WASH
800/1200/1500/2000 LUMEN
 ROUND SHALLOW ANGLE-CUT REFLECTOR

3AC20 Trim

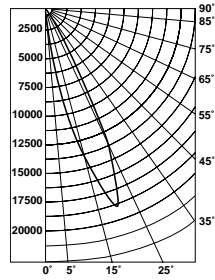
PHOTOMETRICS

SPOT
PHOTOMETRIC REPORT

Test Report: PTO4152509
 Catalog No: AX3 A 20LM 30K 80CRI
 12D FPC 120 3AC20 CS
 Watts: 26.2
 Lumens: 1825
 Luminaire LPW: 70

Candlepower
 Distribution
 (Candelas)
 Degrees

Vertical	Candela
0°	1031
5°	2099
10°	6288
15°	14352
20°	18935
25°	13798
30°	5872
35°	1861
40°	423
45°	74
50°	14
55°	4
60°	1
65°	0
70°	0
75°	0
80°	0
85°	0
90°	0

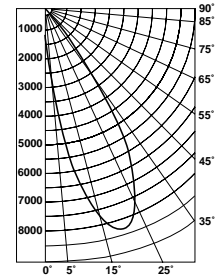


NARROW FLOOD
PHOTOMETRIC REPORT

Test Report: PTO4152709
 Catalog No: AX3 A 20LM 30K 80CRI
 24D FPC 120 3AC20 CS
 Watts: 26.2
 Lumens: 1912
 Luminaire LPW: 73

Candlepower
 Distribution
 (Candelas)
 Degrees

Vertical	Candela
0°	1129
5°	2879
10°	5805
15°	7886
20°	8456
25°	7690
30°	5921
35°	3337
40°	1233
45°	203
50°	70
55°	15
60°	1
65°	0
70°	0
75°	0
80°	0
85°	0
90°	0

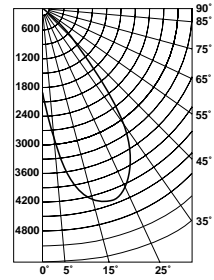


FLOOD
PHOTOMETRIC REPORT

Test Report: PTO4152809
 Catalog No: AX3 A 20LM 30K 80CRI
 35D FPC 120 3AC20 CS
 Watts: 26.2
 Lumens: 1952
 Luminaire LPW: 75

Candlepower
 Distribution
 (Candelas)
 Degrees

Vertical	Candela
0°	1968
5°	2975
10°	3818
15°	4323
20°	4441
25°	4229
30°	3789
35°	3102
40°	2125
45°	1166
50°	564
55°	162
60°	1
65°	0
70°	0
75°	0
80°	0
85°	0
90°	0

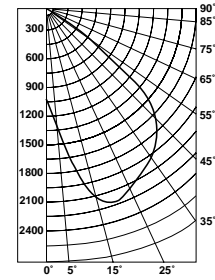


WIDE FLOOD
PHOTOMETRIC REPORT

Test Report: PTO4152909
 Catalog No: AX3 A 20LM 30K 80CRI
 50D FPC 120 3AC20 CS
 Watts: 26.2
 Lumens: 1729
 Luminaire LPW: 66

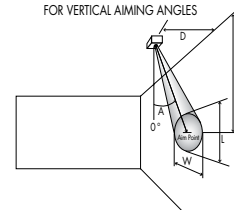
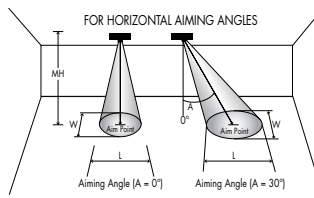
Candlepower
 Distribution
 (Candelas)
 Degrees

Vertical	Candela
0°	961
5°	1320
10°	1758
15°	2117
20°	2233
25°	2160
30°	2068
35°	2011
40°	1940
45°	1743
50°	1246
55°	627
60°	29
65°	0
70°	0
75°	0
80°	0
85°	0
90°	0



LUMEN OUTPUT MULTIPLIERS

Color Temperature	CRI	Multiplier	Lumen Package	Multiplier
2700K	80	0.95	800	0.40
3000K	80	1.00	1200	0.61
3500K	80	1.05	1500	0.75
4000K	80	1.10	2000	1.00
2700K	90	0.83		
3000K	90	0.87		



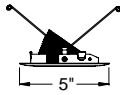
CBCP • Centerbeam candlepower
FC • Footcandles at beam center (aim point)

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°).



Beam Type	Beam Spread°	CBCP	0°				20°			20°				
			MH	FC	L	W	FC	L	W	D	FC	X	L	W
SP	12°	18935	6	526	1.6	1.6	436	1.9	1.7	3	84	8.2	8.1	2.4
			8	296	2.2	2.2	245	2.5	2.3	4	47	11.0	10.8	3.2
			10	189	2.7	2.7	157	3.1	2.9	5	30	13.7	13.5	4.0
			12	131	3.3	3.3	109	3.7	3.5	6	21	16.5	16.2	4.8
			14	97	3.8	3.8	80	4.3	4.1	7	15	19.2	18.9	5.6
NFL	24°	8456	4	529	1.9	1.9	439	2.1	2.0	2	85	5.5	13.3	2.7
			6	235	2.8	2.8	195	3.2	3.0	3	38	8.2	20.0	4.1
			8	132	3.7	3.7	110	4.2	3.9	4	21	11.0	26.7	5.4
			10	85	4.6	4.6	70	5.3	4.9	5	14	13.7	33.3	6.8
			12	59	5.6	5.6	49	6.3	5.9	6	9	16.5	40.0	8.1
FL	35°	4441	4	278	2.8	2.8	230	3.2	3.0	2	44	5.5	132.3	4.1
			6	123	4.2	4.2	102	4.8	4.4	3	20	8.2	198.5	6.1
			8	69	5.6	5.6	58	6.4	5.9	4	11	11.0	264.7	8.1
			10	44	6.9	6.9	37	8.0	7.4	5	7	13.7	330.9	10.2
			12	31	8.3	8.3	26	9.6	8.9	6	5	16.5	397.0	12.2
WFL	50°	2233	4	278	2.8	2.8	230	3.2	3.0	2	44	5.5	132.3	4.1
			6	123	4.2	4.2	102	4.8	4.4	3	20	8.2	198.5	6.1
			8	69	5.6	5.6	58	6.4	5.9	4	11	11.0	264.7	8.1
			10	44	6.9	6.9	37	8.0	7.4	5	7	13.7	330.9	10.2
			12	31	8.3	8.3	26	9.6	8.9	6	5	16.5	397.0	12.2

3ABAF Angle-Cut Baffle



Trim Ring

3" LED UNIVERSAL RECESSED ADJUSTABLE/DOWNLIGHT/WALL WASH 800/1200/1500/2000 LUMEN ROUND ANGLE-CUT BAFFLE 3ABAF Trim

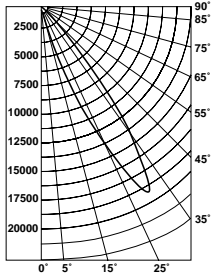
PHOTOMETRICS

SPOT
PHOTOMETRIC REPORT

Test Report: PTO4152502
Catalog No: AX3 A 20LM 30K 80CRI
12D FPC 120 3ABAF W
Watts: 26.2
Lumens: 1794
Luminaire LPW: 68

Candlepower
Distribution
(Candelas)
Degrees

Vertical	Candela
0°	127
5°	288
10°	590
15°	1940
20°	5849
25°	13766
30°	18953
35°	14013
40°	6003
45°	1826
50°	313
55°	60
60°	11
65°	4
70°	2
75°	2
80°	2
85°	1
90°	0

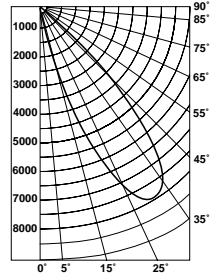


NARROW FLOOD
PHOTOMETRIC REPORT

Test Report: PTO4152702
Catalog No: AX3 A 20LM 30K 80CRI
24D FPC 120 3ABAF W
Watts: 26.2
Lumens: 1835
Luminaire LPW: 70

Candlepower
Distribution
(Candelas)
Degrees

Vertical	Candela
0°	262
5°	490
10°	891
15°	2271
20°	4938
25°	7078
30°	7997
35°	7615
40°	6086
45°	3628
50°	903
55°	136
60°	54
65°	5
70°	3
75°	3
80°	2
85°	1
90°	0

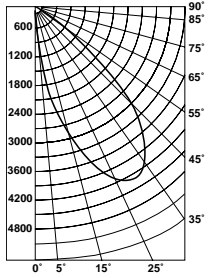


FLOOD
PHOTOMETRIC REPORT

Test Report: PTO4152802
Catalog No: AX3 A 20LM 30K 80CRI
35D FPC 120 3ABAF W
Watts: 26.2
Lumens: 1895
Luminaire LPW: 72

Candlepower
Distribution
(Candelas)
Degrees

Vertical	Candela
0°	447
5°	1079
10°	1916
15°	2904
20°	3697
25°	4135
30°	4314
35°	4157
40°	3735
45°	3032
50°	1798
55°	992
60°	478
65°	5
70°	3
75°	2
80°	2
85°	1
90°	0

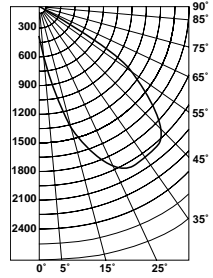


WIDE FLOOD
PHOTOMETRIC REPORT

Test Report: PTO4152902
Catalog No: AX3 A 20LM 30K 80CRI
50D FPC 120 3ABAF W
Watts: 26.2
Lumens: 1577
Luminaire LPW: 60

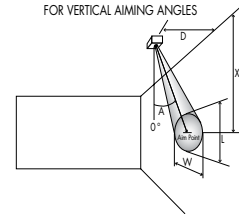
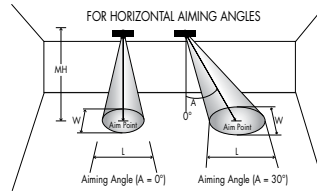
Candlepower
Distribution
(Candelas)
Degrees

Vertical	Candela
0°	470
5°	683
10°	992
15°	1383
20°	1737
25°	1943
30°	2001
35°	1984
40°	1944
45°	1883
50°	1735
55°	1247
60°	584
65°	16
70°	7
75°	6
80°	5
85°	2
90°	0



LUMEN OUTPUT MULTIPLIERS

Color Temperature	CRI	Multiplier	Lumen Package	Multiplier
2700K	80	0.95	800	0.40
3000K	80	1.00	1200	0.61
3500K	80	1.05	1500	0.75
4000K	80	1.10	2000	1.00
2700K	90	0.83		
3000K	90	0.87		



CBCP • Centerbeam candlepower
FC • Footcandles at beam center (aim point)

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°).

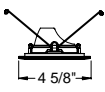


Beam Type	Beam Spread°	CBCP	0°				30°			30°				45°				
			MH	FC	L	W	FC	L	W	D	FC	X	L	W	FC	X	L	W
SP	12°	18953	6	526	1.6	1.6	342	2.1	1.8	3	263	5.2	3.4	1.6	745	3.0	1.6	1.1
			8	296	2.1	2.1	192	2.8	2.4	4	148	6.9	4.5	2.1	419	4.0	2.2	1.5
			10	190	2.7	2.7	123	3.6	3.1	5	95	8.7	5.6	2.7	268	5.0	2.7	1.9
			12	132	3.2	3.2	85	4.3	3.7	6	66	10.4	6.7	3.2	186	6.0	3.2	2.2
			14	97	3.7	3.7	63	5.0	4.3	7	48	12.1	7.8	3.7	137	7.0	3.8	2.6
NFL	24°	7997	4	500	1.9	1.9	325	2.5	2.1	2	250	3.5	4.4	1.9	707	2.0	2.0	1.3
			6	222	2.8	2.8	144	3.8	3.2	3	111	5.2	6.6	2.8	314	3.0	2.9	2.0
			8	125	3.7	3.7	81	5.0	4.3	4	62	6.9	8.8	3.7	177	4.0	3.9	2.6
			10	80	4.6	4.6	52	6.3	5.4	5	40	8.7	11.1	4.6	113	5.0	4.9	3.3
FL	35°	4314	12	56	5.6	5.6	36	7.6	6.4	6	28	10.4	13.3	5.6	79	6.0	5.9	3.9
			4	270	2.7	2.7	175	3.8	3.2	2	135	3.5	8.4	2.7	381	2.0	3.1	1.9
			6	120	4.1	4.1	78	5.7	4.7	3	60	5.2	12.7	4.1	169	3.0	4.7	2.9
			8	67	5.5	5.5	44	7.6	6.3	4	34	6.9	16.9	5.5	95	4.0	6.2	3.9
WFL	50°	2001	10	43	6.8	6.8	28	9.5	7.9	5	22	8.7	21.1	6.8	61	5.0	7.8	4.8
			12	30	8.2	8.2	19	11.4	9.5	6	15	10.4	25.3	8.2	42	6.0	9.3	5.8
			4	125	3.5	3.5	81	4.9	4.0	2	63	3.5	16.1	3.5	177	2.0	4.3	2.5
			6	56	5.2	5.2	36	7.4	6.0	3	28	5.2	24.1	5.2	79	3.0	6.4	3.7
			8	31	7.0	7.0	20	9.9	8.0	4	16	6.9	32.1	7.0	44	4.0	8.6	4.9
			10	20	8.7	8.7	13	12.4	10.0	5	10	8.7	40.2	8.7	28	5.0	10.7	6.1
			12	14	10.4	10.4	9	14.8	12.0	6	7	10.4	48.2	10.4	20	6.0	12.9	7.4

3ABV Adjustable Bevel



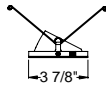
Trim Ring



4 5/8"



Flangeless



3 7/8"

3" LED UNIVERSAL RECESSED ADJUSTABLE/DOWNLIGHT/WALL WASH 800/1200/1500/2000 LUMEN ROUND ADJUSTABLE BEVEL 3ABV Trim

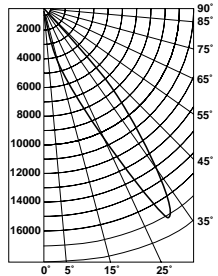
PHOTOMETRICS

SPOT

PHOTOMETRIC REPORT
 Test Report: PT04152505
 Catalog No: AX3 A 20LM 30K 80CRI
 12D FPC 120 3ABV
 Watts: 26.2
 Lumens: 1531
 Luminaire LPW: 58

Candlepower Distribution (Candelas)

Degrees	Vertical	Candela
0°	0°	35
5°	5°	70
10°	10°	293
15°	15°	1239
20°	20°	4292
25°	25°	10966
30°	30°	16514
35°	35°	14108
40°	40°	6643
45°	45°	1883
50°	50°	385
55°	55°	77
60°	60°	14
65°	65°	3
70°	70°	1
75°	75°	0
80°	80°	0
85°	85°	0
90°	90°	0

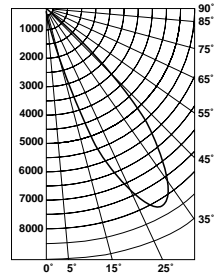


NARROW FLOOD

PHOTOMETRIC REPORT
 Test Report: PT04152705
 Catalog No: AX3 A 20LM 30K 80CRI
 24D FPC 120 3ABV
 Watts: 26.2
 Lumens: 1581
 Luminaire LPW: 60

Candlepower Distribution (Candelas)

Degrees	Vertical	Candela
0°	0°	63
5°	5°	146
10°	10°	451
15°	15°	2041
20°	20°	5167
25°	25°	7393
30°	30°	8207
35°	35°	7640
40°	40°	5962
45°	45°	3356
50°	50°	802
55°	55°	153
60°	60°	65
65°	65°	4
70°	70°	1
75°	75°	0
80°	80°	0
85°	85°	0
90°	90°	0

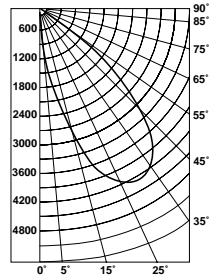


FLOOD

PHOTOMETRIC REPORT
 Test Report: PT04152805
 Catalog No: AX3 A 20LM 30K 80CRI
 35D FPC 120 3ABV
 Watts: 26.2
 Lumens: 1750
 Luminaire LPW: 67

Candlepower Distribution (Candelas)

Degrees	Vertical	Candela
0°	0°	332
5°	5°	853
10°	10°	1677
15°	15°	2707
20°	20°	3646
25°	25°	4109
30°	30°	4289
35°	35°	4135
40°	40°	3716
45°	45°	3022
50°	50°	1863
55°	55°	1023
60°	60°	533
65°	65°	74
70°	70°	1
75°	75°	0
80°	80°	0
85°	85°	0
90°	90°	0

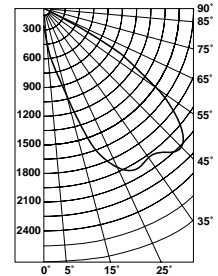


WIDE FLOOD

PHOTOMETRIC REPORT
 Test Report: PT04152905
 Catalog No: AX3 A 20LM 30K 80CRI
 50D FPC 120 3ABV
 Watts: 26.2
 Lumens: 1400
 Luminaire LPW: 53

Candlepower Distribution (Candelas)

Degrees	Vertical	Candela
0°	0°	299
5°	5°	456
10°	10°	695
15°	15°	1086
20°	20°	1576
25°	25°	1933
30°	30°	2031
35°	35°	2015
40°	40°	2044
45°	45°	2140
50°	50°	2025
55°	55°	1725
60°	60°	1035
65°	65°	216
70°	70°	2
75°	75°	1
80°	80°	0
85°	85°	0
90°	90°	0

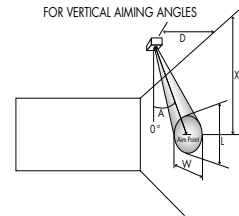
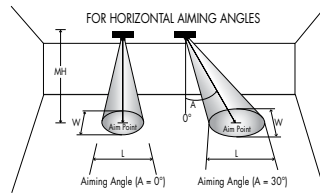


LUMEN OUTPUT MULTIPLIERS

Color Temperature	CRI	Multiplier	Lumen Package	Multiplier
2700K	80	0.95	800	0.40
3000K	80	1.00	1200	0.61
3500K	80	1.05	1500	0.75
4000K	80	1.10	2000	1.00
2700K	90	0.83		
3000K	90	0.87		

CBCP • Centerbeam candlepower
FC • Footcandles at beam center (aim point)

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°).

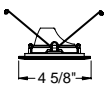


Beam Type	Beam Spread°	CBCP	0°				30°			30°				45°				
			MH	FC	L	W	FC	L	W	D	FC	X	L	W	FC	X	L	W
SP	12°	16514	6	459	1.6	1.6	298	2.2	1.9	3	229	5.2	3.4	1.6	649	3.0	1.6	1.1
			8	258	2.1	2.1	168	2.9	2.5	4	129	6.9	4.5	2.1	365	4.0	2.2	1.5
			10	165	2.7	2.7	107	3.6	3.1	5	83	8.7	5.7	2.7	234	5.0	2.7	1.9
			12	115	3.2	3.2	74	4.3	3.7	6	57	10.4	6.8	3.2	162	6.0	3.3	2.3
NFL	24°	8207	4	513	1.8	1.8	333	2.4	2.1	2	256	3.5	4.3	1.8	725	2.0	1.9	1.3
			6	228	2.7	2.7	148	3.7	3.1	3	114	5.2	6.4	2.7	322	3.0	2.8	1.9
			8	128	3.6	3.6	83	4.9	4.2	4	64	6.9	8.5	3.6	181	4.0	3.8	2.5
			10	82	4.5	4.5	53	6.1	5.2	5	41	8.7	10.6	4.5	116	5.0	4.7	3.2
FL	35°	4289	4	268	2.7	2.7	174	3.7	3.1	2	134	3.5	8.0	2.7	379	2.0	3.0	1.9
			6	119	4.0	4.0	77	5.5	4.6	3	60	5.2	12.0	4.0	168	3.0	4.5	2.8
			8	67	5.3	5.3	44	7.4	6.1	4	34	6.9	15.9	5.3	95	4.0	6.0	3.8
			10	43	6.7	6.7	28	9.2	7.7	5	21	8.7	19.9	6.7	61	5.0	7.5	4.7
WFL	50°	2031	4	127	3.3	3.3	82	4.7	3.8	2	63	3.5	13.6	3.3	180	2.0	4.0	2.3
			6	56	5.0	5.0	37	7.0	5.7	3	28	5.2	20.3	5.0	80	3.0	3.0	3.5
			8	32	6.6	6.6	21	9.3	7.6	4	16	6.9	27.1	6.6	45	4.0	8.0	4.7
			10	20	8.3	8.3	13	11.7	9.5	5	10	8.7	33.9	8.3	29	5.0	10.0	5.8
			12	14	9.9	9.9	9	14.0	11.5	6	7	10.4	40.7	9.9	20	6.0	12.0	7.0

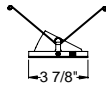
3ABV Adjustable Bevel



Trim Ring



Flangeless



3" LED UNIVERSAL RECESSED ADJUSTABLE/DOWNLIGHT/WALL WASH 800/1200/1500/2000 LUMEN

ROUND ADJUSTABLE BEVEL

3ABV Trim with WET option

PHOTOMETRICS

SPOT
PHOTOMETRIC REPORT

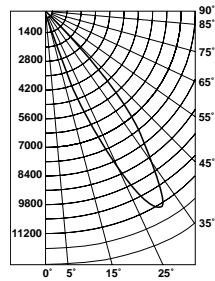
Test Report: PTO4152507
Catalog No: AX3 A 20LM 30K 80CRI
12D FPC 120 3ABV WET

Watts: 26.2
Lumens: 1370
Luminaire LPW: 52

Candlepower
Distribution

(Candelas)
Degrees
Vertical Candela

0°	38
5°	95
10°	363
15°	1347
20°	4140
25°	8544
30°	11253
35°	9649
40°	5763
45°	2640
50°	1024
55°	361
60°	105
65°	31
70°	8
75°	1
80°	0
85°	0
90°	0



NARROW FLOOD
PHOTOMETRIC REPORT

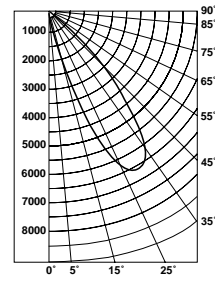
Test Report: PTO4152707
Catalog No: AX3 A 20LM 30K 80CRI
24D FPC 120 3ABV WET

Watts: 26.2
Lumens: 1442
Luminaire LPW: 55

Candlepower
Distribution

(Candelas)
Degrees
Vertical Candela

0°	75
5°	186
10°	681
15°	2160
20°	4350
25°	6151
30°	6769
35°	6135
40°	4487
45°	2568
50°	1222
55°	518
60°	173
65°	50
70°	12
75°	1
80°	0
85°	0
90°	0



FLOOD
PHOTOMETRIC REPORT

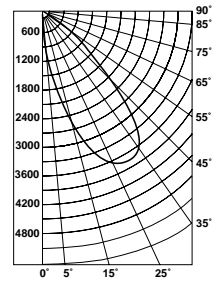
Test Report: PTO4152807
Catalog No: AX3 A 20LM 30K 80CRI
35D FPC 120 3ABV WET

Watts: 26.2
Lumens: 1581
Luminaire LPW: 60

Candlepower
Distribution

(Candelas)
Degrees
Vertical Candela

0°	353
5°	826
10°	1543
15°	2417
20°	3179
25°	3629
30°	3775
35°	3615
40°	3143
45°	2392
50°	1584
55°	908
60°	436
65°	181
70°	35
75°	1
80°	0
85°	0
90°	0



WIDE FLOOD
PHOTOMETRIC REPORT

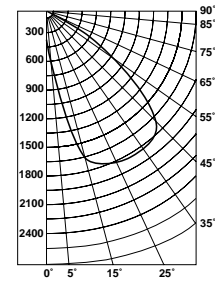
Test Report: PTO4152907
Catalog No: AX3 A 20LM 30K 80CRI
50D FPC 120 3ABV WET

Watts: 26.2
Lumens: 1279
Luminaire LPW: 49

Candlepower
Distribution

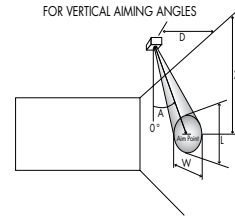
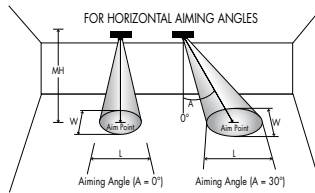
(Candelas)
Degrees
Vertical Candela

0°	404
5°	622
10°	956
15°	1356
20°	1665
25°	1812
30°	1843
35°	1840
40°	1823
45°	1728
50°	1436
55°	1006
60°	549
65°	197
70°	19
75°	1
80°	0
85°	0
90°	0



LUMEN OUTPUT MULTIPLIERS

Color Temperature	CRI	Multiplier	Lumen Package	Multiplier
2700K	80	0.95	800	0.40
3000K	80	1.00	1200	0.61
3500K	80	1.05	1500	0.75
4000K	80	1.10	2000	1.00
2700K	90	0.83		
3000K	90	0.87		



CBCP • Centerbeam candlepower
FC • Footcandles at beam center (aim point)

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°).

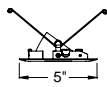


Beam Type	Beam Spread°	CBCP	0°				30°			30°				45°				
			MH	FC	L	W	FC	L	W	D	FC	X	L	W	FC	X	L	W
SP	12°	11253	6	313	1.8	1.8	203	2.4	2.0	3	156	5.2	3.8	1.8	442	3.0	1.8	1.3
			8	176	2.4	2.4	114	3.2	2.7	4	88	6.9	5.1	2.4	249	4.0	2.4	1.7
			10	113	3.0	3.0	73	4.0	3.4	5	56	8.7	6.3	3.0	159	5.0	3.0	2.1
			12	78	3.5	3.5	51	4.8	4.1	6	39	10.4	7.6	3.5	111	6.0	3.6	2.5
			14	57	4.1	4.1	37	5.6	4.8	7	29	12.1	8.8	4.1	81	7.0	4.2	2.9
NFL	24°	6769	4	423	1.8	1.8	275	2.4	2.1	2	212	3.5	4.2	1.8	598	2.0	1.9	1.3
			6	188	2.7	2.7	122	3.6	3.1	3	94	5.2	6.3	2.7	266	3.0	2.8	1.9
			8	106	3.6	3.6	69	4.8	4.1	4	53	6.9	8.4	3.6	150	4.0	3.7	2.5
			10	68	4.5	4.5	44	6.0	5.1	5	34	8.7	10.5	4.5	96	5.0	4.7	3.1
FL	35°	3775	12	47	5.3	5.3	31	7.2	6.2	6	24	10.4	12.6	5.3	66	6.0	5.6	3.8
			4	236	2.6	2.6	153	3.9	3.0	2	118	3.5	7.7	2.6	334	2.0	2.9	1.9
			6	105	3.9	3.9	68	5.4	4.5	3	52	5.2	11.6	3.9	148	3.0	4.4	2.8
			8	59	5.2	5.2	38	7.3	6.1	4	29	6.9	15.5	5.2	83	4.0	5.9	3.7
WFL	50°	1843	10	38	6.6	6.6	25	9.1	7.6	5	19	8.7	19.4	6.6	53	5.0	7.3	4.6
			12	26	7.9	7.9	17	10.9	9.1	6	13	10.4	23.2	7.9	37	6.0	8.8	5.6
			4	115	3.4	3.4	75	4.9	4.0	2	58	3.5	15.5	3.4	163	2.0	4.2	2.4
			6	51	5.2	5.2	33	7.3	6.0	3	26	5.2	23.3	5.2	72	3.0	6.3	3.7
			8	29	6.9	6.9	19	9.8	8.0	4	14	6.9	31.1	6.9	41	4.0	8.5	4.9
			10	18	8.6	8.6	12	12.2	9.9	5	9	8.7	38.8	8.6	26	5.0	10.6	6.1
			12	13	10.3	10.3	8	14.7	11.9	6	6	10.4	46.6	10.3	18	6.0	12.7	7.3

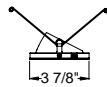
3APIN Adjustable Pinhole



Trim Ring



Flangeless



3" LED UNIVERSAL RECESSED ADJUSTABLE/DOWNLIGHT/WALL WASH 800/1200/1500/2000 LUMEN ROUND ADJUSTABLE PINHOLE 3APIN Trim

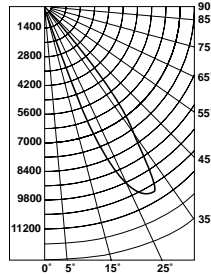
PHOTOMETRICS

SPOT

PHOTOMETRIC REPORT
 Test Report: PTO4152503
 Catalog No: AX3 A 20LM 30K 80CRI
 12D FPC 120 3APIN
 Watts: 26.2
 Lumens: 877
 Luminaire LPW: 33

Candlepower Distribution (Candelas)

Degrees	Vertical	Candela
0°	0°	10
5°	5°	57
10°	10°	218
15°	15°	1107
20°	20°	4343
25°	25°	9541
30°	30°	10623
35°	35°	7901
40°	40°	2434
45°	45°	181
50°	50°	55
55°	55°	4
60°	60°	0
65°	65°	0
70°	70°	0
75°	75°	0
80°	80°	0
85°	85°	0
90°	90°	0

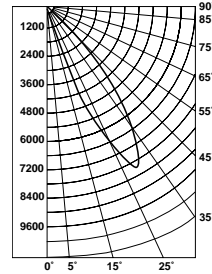


NARROW FLOOD

PHOTOMETRIC REPORT
 Test Report: PTO4152703
 Catalog No: AX3 A 20LM 30K 80CRI
 24D FPC 120 3APIN
 Watts: 26.2
 Lumens: 1085
 Luminaire LPW: 41

Candlepower Distribution (Candelas)

Degrees	Vertical	Candela
0°	0°	20
5°	5°	62
10°	10°	103
15°	15°	797
20°	20°	3305
25°	25°	6358
30°	30°	8085
35°	35°	7032
40°	40°	4661
45°	45°	2349
50°	50°	717
55°	55°	69
60°	60°	1
65°	65°	0
70°	70°	0
75°	75°	0
80°	80°	0
85°	85°	0
90°	90°	0

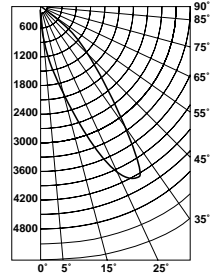


FLOOD

PHOTOMETRIC REPORT
 Test Report: PTO4152803
 Catalog No: AX3 A 20LM 30K 80CRI
 35D FPC 120 3APIN
 Watts: 26.2
 Lumens: 1192
 Luminaire LPW: 46

Candlepower Distribution (Candelas)

Degrees	Vertical	Candela
0°	0°	279
5°	5°	763
10°	10°	1321
15°	15°	2246
20°	20°	3302
25°	25°	4089
30°	30°	4268
35°	35°	3511
40°	40°	2374
45°	45°	1528
50°	50°	808
55°	55°	149
60°	60°	1
65°	65°	0
70°	70°	0
75°	75°	0
80°	80°	0
85°	85°	0
90°	90°	0

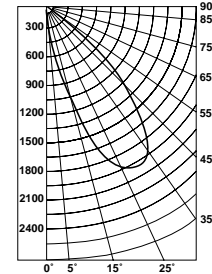


WIDE FLOOD

PHOTOMETRIC REPORT
 Test Report: PTO4152903
 Catalog No: AX3 A 20LM 30K 80CRI
 50D FPC 120 3APIN
 Watts: 26.2
 Lumens: 713
 Luminaire LPW: 27

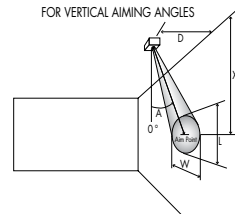
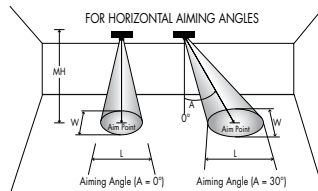
Candlepower Distribution (Candelas)

Degrees	Vertical	Candela
0°	0°	109
5°	5°	387
10°	10°	652
15°	15°	1084
20°	20°	1658
25°	25°	1979
30°	30°	2040
35°	35°	2005
40°	40°	1747
45°	45°	1264
50°	50°	690
55°	55°	8
60°	60°	1
65°	65°	0
70°	70°	0
75°	75°	0
80°	80°	0
85°	85°	0
90°	90°	0



LUMEN OUTPUT MULTIPLIERS

Color Temperature	CRI	Multiplier	Lumen Package	Multiplier
2700K	80	0.95	800	0.40
3000K	80	1.00	1200	0.61
3500K	80	1.05	1500	0.75
4000K	80	1.10	2000	1.00
2700K	90	0.83		
3000K	90	0.87		



CBCP • Centerbeam candlepower
FC • Footcandles at beam center (aim point)

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°).

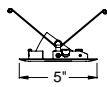


Beam Type	Beam Spread°	CBCP	0°				30°				30°				45°			
			MH	FC	L	W	FC	L	W	D	FC	X	L	W	FC	X	L	W
SP	12°	10623	6	295	1.5	1.5	192	2.0	1.8	3	148	5.2	3.2	1.5	417	3.0	1.6	1.1
			8	166	2.0	2.0	108	2.7	2.4	4	83	6.9	4.3	2.0	235	4.0	2.1	1.4
			10	106	2.5	2.5	69	3.4	2.9	5	53	8.7	5.3	2.5	150	5.0	2.6	1.8
			12	74	3.1	3.1	48	4.1	3.5	6	37	10.4	6.4	3.1	104	6.0	3.1	2.2
			14	54	3.6	3.6	35	4.8	4.1	7	27	12.1	7.5	3.6	77	7.0	3.6	2.5
NFL	24°	8085	4	505	1.5	1.5	328	2.0	1.7	2	253	3.5	3.2	1.5	715	2.0	1.5	1.0
			6	225	2.2	2.2	146	3.0	2.5	3	112	5.2	4.9	2.2	318	3.0	2.3	1.5
			8	126	2.9	2.9	82	3.9	3.4	4	63	6.9	6.5	2.9	179	4.0	3.0	2.1
			10	81	3.7	3.7	53	4.9	4.2	5	40	8.7	8.1	3.7	114	5.0	3.8	2.6
FL	35°	4268	12	56	4.4	4.4	36	5.9	5.1	6	28	10.4	9.7	4.4	79	6.0	4.5	3.1
			4	267	1.9	1.9	173	2.6	2.2	2	133	3.5	4.6	1.9	377	2.0	2.0	1.3
			6	119	2.8	2.8	77	3.9	3.3	3	59	5.2	6.9	2.8	168	3.0	3.0	2.0
			8	67	3.8	3.8	43	5.2	4.4	4	33	6.9	9.1	3.8	94	4.0	4.0	2.7
WFL	50°	2040	10	43	4.7	4.7	28	6.4	5.5	5	21	8.7	11.4	4.7	60	5.0	5.0	3.4
			12	30	5.7	5.7	19	7.7	6.6	6	15	10.4	13.7	5.7	42	6.0	6.0	4.0
			4	128	2.4	2.4	83	3.3	2.8	2	64	3.5	6.5	2.4	180	2.0	2.6	1.7
			6	57	3.6	3.6	37	4.9	4.1	3	28	5.2	9.8	3.6	80	3.0	3.9	2.5
			8	32	4.8	4.8	21	6.6	5.5	4	16	6.9	13.0	4.8	45	4.0	5.2	3.4
			10	20	6.0	6.0	13	8.2	6.9	5	10	8.7	16.3	6.0	29	5.0	6.5	4.2
			12	14	7.2	7.2	9	9.8	8.3	6	7	10.4	19.5	7.2	20	6.0	7.9	5.1

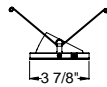
3APIN Adjustable Pinhole



Trim Ring



Flangeless



3" LED UNIVERSAL RECESSED ADJUSTABLE/DOWNLIGHT/WALL WASH 800/1200/1500/2000 LUMEN ROUND ADJUSTABLE PINHOLE 3APIN Trim with WET option

PHOTOMETRICS

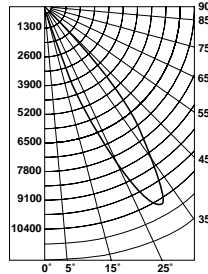
SPOT
PHOTOMETRIC REPORT

Test Report: PTO4152506
Catalog No: AX3 A 20LM 30K 80CRI
12D FPC 120 3APIN WET

Watts: 26.2
Lumens: 878
Luminaire LPW: 34

Candlepower Distribution (Candelas)
Degrees

Vertical	Candela
0°	8
5°	35
10°	152
15°	785
20°	3206
25°	8639
30°	10710
35°	8843
40°	3521
45°	313
50°	79
55°	7
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0
90°	0



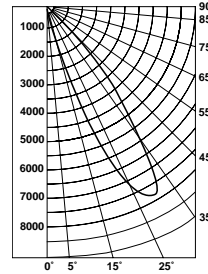
NARROW FLOOD
PHOTOMETRIC REPORT

Test Report: PTO4152706
Catalog No: AX3 A 20LM 30K 80CRI
24D FPC 120 3APIN WET

Watts: 26.2
Lumens: 1087
Luminaire LPW: 42

Candlepower Distribution (Candelas)
Degrees

Vertical	Candela
0°	37
5°	76
10°	199
15°	1579
20°	4602
25°	7315
30°	7855
35°	5891
40°	3748
45°	1659
50°	365
55°	13
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0
90°	0



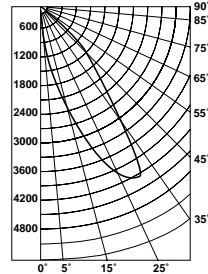
FLOOD
PHOTOMETRIC REPORT

Test Report: PTO4152806
Catalog No: AX3 A 20LM 30K 80CRI
35D FPC 120 3APIN WET

Watts: 26.2
Lumens: 1172
Luminaire LPW: 45

Candlepower Distribution (Candelas)
Degrees

Vertical	Candela
0°	282
5°	771
10°	1339
15°	2368
20°	3438
25°	4089
30°	4258
35°	3279
40°	2195
45°	1458
50°	682
55°	99
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0
90°	0



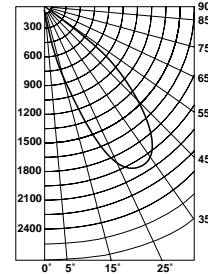
WIDE FLOOD
PHOTOMETRIC REPORT

Test Report: PTO4152906
Catalog No: AX3 A 20LM 30K 80CRI
50D FPC 120 3APIN WET

Watts: 26.2
Lumens: 698
Luminaire LPW: 27

Candlepower Distribution (Candelas)
Degrees

Vertical	Candela
0°	24
5°	217
10°	530
15°	894
20°	1406
25°	1904
30°	2025
35°	2000
40°	1895
45°	1459
50°	931
55°	101
60°	1
65°	0
70°	0
75°	0
80°	0
85°	0
90°	0

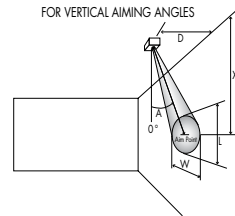
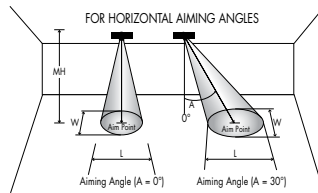


LUMEN OUTPUT MULTIPLIERS

Color Temperature	CRI	Multiplier	Lumen Package	Multiplier
2700K	80	0.95	800	0.40
3000K	80	1.00	1200	0.61
3500K	80	1.05	1500	0.75
4000K	80	1.10	2000	1.00
2700K	90	0.83		
3000K	90	0.87		

BCBP • Centerbeam candlepower
FC • Footcandles at beam center (aim point)

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°).

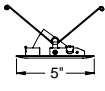


Beam Type	Beam Spread°	CBCP	0°				30°				30°				45°			
			MH	FC	L	W	FC	L	W	D	FC	X	L	W	FC	X	L	W
SP	12°	10710	6	298	1.5	1.5	193	2.0	1.7	3	149	5.2	3.2	1.5	421	3.0	1.5	1.1
			8	167	2.0	2.0	109	2.7	2.3	4	84	6.9	4.2	2.0	237	4.0	2.0	1.4
			10	107	2.5	2.5	70	3.4	2.9	5	54	8.7	5.3	2.5	151	5.0	2.5	1.8
			12	74	3.0	3.0	48	4.0	3.5	6	37	10.4	6.3	3.0	105	6.0	3.1	2.1
			14	55	3.5	3.5	35	4.7	4.1	7	27	12.1	7.4	3.5	77	7.0	3.6	2.5
NFL	24°	7855	4	491	1.4	1.4	319	2.0	1.7	2	245	3.5	3.2	1.4	694	2.0	1.5	1.0
			6	218	2.2	2.2	142	2.9	2.5	3	109	5.2	4.8	2.2	309	3.0	2.2	1.5
			8	123	2.9	2.9	80	3.9	3.3	4	61	6.9	6.4	2.9	174	4.0	3.0	2.0
			10	79	3.6	3.6	51	4.9	4.2	5	39	8.7	8.0	3.6	111	5.0	3.7	2.6
FL	35°	4258	12	55	4.3	4.3	35	5.9	5.0	6	27	10.4	9.6	4.3	77	6.0	4.5	3.1
			4	266	1.9	1.9	173	2.6	2.2	2	133	3.5	4.5	1.9	376	2.0	2.0	1.3
			6	118	2.8	2.8	77	3.9	3.3	3	59	5.2	6.8	2.8	167	3.0	3.0	2.0
			8	67	3.8	3.8	43	5.1	4.4	4	33	6.9	9.1	3.8	94	4.0	4.0	2.7
WFL	50°	2025	10	43	4.7	4.7	28	6.4	5.5	5	21	8.7	11.4	4.7	60	5.0	5.0	3.3
			12	30	5.7	5.7	19	7.7	6.6	6	15	10.4	13.6	5.7	42	6.0	6.0	4.0
			4	127	2.3	2.3	82	3.2	2.7	2	63	3.5	6.3	2.3	179	2.0	2.6	1.7
			6	56	3.5	3.5	37	4.8	4.1	3	28	5.2	9.4	3.5	80	3.0	3.8	2.5
			8	32	4.7	4.7	21	6.4	5.4	4	16	6.9	12.6	4.7	45	4.0	5.1	3.3
			10	20	5.8	5.8	13	8.0	6.8	5	10	8.7	15.7	5.8	29	5.0	6.4	4.1
			12	14	7.0	7.0	9	9.6	8.1	6	7	10.4	18.9	7.0	20	6.0	7.7	5.0

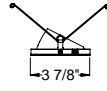
3APINLG Adjustable Pinhole, 1 3/4"



Trim Ring



Flangeless



3" LED UNIVERSAL RECESSED ADJUSTABLE/DOWNLIGHT/WALL WASH 800/1200/1500/2000 LUMEN ROUND ADJUSTABLE PINHOLE, 1 3/4" 3APINLG Trim

PHOTOMETRICS

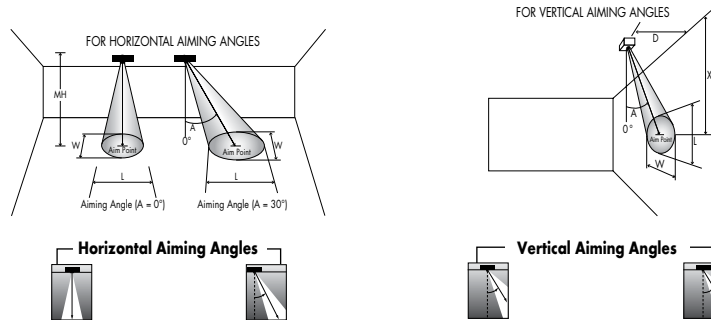
SPOT PHOTOMETRIC REPORT		NARROW FLOOD PHOTOMETRIC REPORT		FLOOD PHOTOMETRIC REPORT		WIDE FLOOD PHOTOMETRIC REPORT	
Test Report: PT04152504 Catalog No: AX3 A 20LM 30K 80CRI 12D FPC 120 3APINLG Watts: 26.2 Lumens: 1320 Luminaire LPW: 50		Test Report: PT04152704 Catalog No: AX3 A 20LM 30K 80CRI 24D FPC 120 3APINLG Watts: 26.2 Lumens: 1349 Luminaire LPW: 51		Test Report: PT04152804 Catalog No: AX3 A 20LM 30K 80CRI 35D FPC 120 3APINLG Watts: 26.2 Lumens: 1408 Luminaire LPW: 54		Test Report: PT04152904 Catalog No: AX3 A 20LM 30K 80CRI 50D FPC 120 3APINLG Watts: 26.2 Lumens: 916 Luminaire LPW: 35	
Candlepower Distribution (Candelas) Vertical Candela 0° 25 5° 68 10° 305 15° 1427 20° 4634 25° 12128 30° 17220 35° 11960 40° 4516 45° 499 50° 101 55° 13 60° 1 65° 0 70° 0 75° 0 80° 0 85° 0 90° 0		Candlepower Distribution (Candelas) Vertical Candela 0° 60 5° 174 10° 638 15° 2693 20° 5523 25° 7454 30° 8209 35° 7088 40° 4232 45° 1683 50° 359 55° 21 60° 1 65° 0 70° 0 75° 0 80° 0 85° 0 90° 0		Candlepower Distribution (Candelas) Vertical Candela 0° 318 5° 861 10° 1803 15° 2873 20° 3687 25° 4126 30° 4296 35° 4020 40° 2727 45° 1635 50° 972 55° 217 60° 1 65° 0 70° 0 75° 0 80° 0 85° 0 90° 0		Candlepower Distribution (Candelas) Vertical Candela 0° 241 5° 440 10° 726 15° 1244 20° 1684 25° 1963 30° 2045 35° 2010 40° 1951 45° 1740 50° 1179 55° 384 60° 4 65° 1 70° 1 75° 1 80° 1 85° 0 90° 0	

LUMEN OUTPUT MULTIPLIERS

Color Temperature	CRI	Multiplier	Lumen Package	Multiplier
2700K	80	0.95	800	0.40
3000K	80	1.00	1200	0.61
3500K	80	1.05	1500	0.75
4000K	80	1.10	2000	1.00
2700K	90	0.83		
3000K	90	0.87		

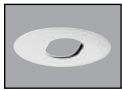
CBCP • Centerbeam candlepower
FC • Footcandles at beam center (aim point)

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°).

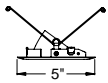


Beam Type	Beam Spread°	CBCP	0°				30°				30°				45°			
			MH	FC	L	W	FC	L	W	D	FC	X	L	W	FC	X	L	W
SP	12°	17220	6	478	1.5	1.5	311	2.0	1.8	3	239	5.2	3.2	1.5	676	3.0	1.6	1.1
			8	269	2.0	2.0	175	2.7	2.4	4	135	6.9	4.3	2.0	381	4.0	2.1	1.4
			10	172	2.5	2.5	112	3.4	2.9	5	86	8.7	5.3	2.5	244	5.0	2.6	1.8
			12	120	3.1	3.1	78	4.1	3.5	6	60	10.4	6.4	3.1	169	6.0	3.1	2.2
			14	88	3.6	3.6	57	4.8	4.1	7	44	12.1	7.5	3.6	124	7.0	3.6	2.5
NFL	24°	8209	4	513	1.6	1.6	333	2.2	1.9	2	257	3.5	3.7	1.6	726	2.0	1.7	1.1
			6	228	2.4	2.4	148	3.3	2.8	3	114	5.2	5.5	2.4	322	3.0	2.5	1.7
			8	128	3.2	3.2	83	4.4	3.7	4	64	6.9	7.3	3.2	181	4.0	3.4	2.3
			10	82	4.0	4.0	53	5.5	4.7	5	41	8.7	9.2	4.0	116	5.0	4.2	2.9
FL	35°	4296	12	57	4.8	4.8	37	6.5	5.6	6	29	10.4	11.0	4.8	81	6.0	5.0	3.4
			4	269	2.2	2.2	174	3.0	2.5	2	134	3.5	5.7	2.2	380	2.0	2.4	1.6
			6	119	3.3	3.3	78	4.5	3.8	3	60	5.2	8.5	3.3	169	3.0	3.6	2.3
			8	67	4.4	4.4	44	6.0	5.1	4	34	6.9	11.4	4.4	95	4.0	4.8	3.1
WFL	50°	2045	10	43	5.5	5.5	28	7.5	6.3	5	21	8.7	14.2	5.5	61	5.0	5.9	3.9
			12	30	6.6	6.6	19	9.0	7.6	6	15	10.4	17.0	6.6	42	6.0	7.1	4.7
			4	128	2.7	2.7	83	3.8	3.1	2	64	3.5	8.3	2.7	181	2.0	3.1	1.9
			6	57	4.1	4.1	37	5.7	4.7	3	28	5.2	12.5	4.1	80	3.0	4.6	2.9
			8	32	5.4	5.4	21	7.6	6.3	4	16	6.9	16.7	5.4	45	4.0	6.2	3.9
			10	20	6.8	6.8	13	9.4	7.9	5	10	8.7	20.9	6.8	29	5.0	7.7	4.8
			12	14	8.2	8.2	9	11.3	9.4	6	7	10.4	25.0	8.2	20	6.0	9.2	5.8

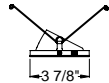
3AOVAL Adjustable Slot Pinhole



Trim Ring



Flangeless



3" LED UNIVERSAL RECESSED ADJUSTABLE/DOWNLIGHT/WALL WASH 800/1200/1500/2000 LUMEN ROUND ADJUSTABLE SLOT PINHOLE 3AOVAL Trim

PHOTOMETRICS

SPOT

PHOTOMETRIC REPORT

Test Report: PTO4152505R

Catalog No: AX3 A 20LM 30K 80CRI

120 FPC 120 3AOVAL

Watts: 26.2

Lumens: 1531

Luminaire LPW: 58

Candlepower Distribution (Candelas)

Degrees

Vertical Candela

20° 4292

25° 10966

30° 16514

35° 14108

40° 6643

45° 1883

50° 385

55° 77

60° 14

65° 3

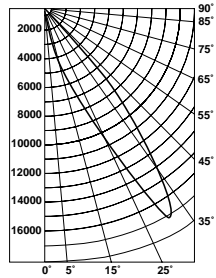
70° 1

75° 0

80° 0

85° 0

90° 0



NARROW FLOOD

PHOTOMETRIC REPORT

Test Report: PTO4152705R

Catalog No: AX3 A 20LM 30K 80CRI

240 FPC 120 3AOVAL

Watts: 26.2

Lumens: 1581

Luminaire LPW: 60

Candlepower Distribution (Candelas)

Degrees

Vertical Candela

20° 5167

25° 7393

30° 8207

35° 7640

40° 5962

45° 3356

50° 802

55° 153

60° 65

65° 4

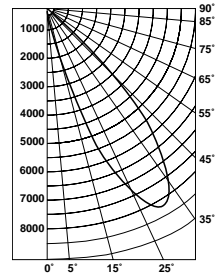
70° 1

75° 0

80° 0

85° 0

90° 0



FLOOD

PHOTOMETRIC REPORT

Test Report: PTO4152805R

Catalog No: AX3 A 20LM 30K 80CRI

350 FPC 120 3AOVAL

Watts: 26.2

Lumens: 1750

Luminaire LPW: 67

Candlepower Distribution (Candelas)

Degrees

Vertical Candela

20° 3646

25° 4109

30° 4289

35° 4135

40° 3716

45° 3022

50° 1863

55° 1023

60° 533

65° 74

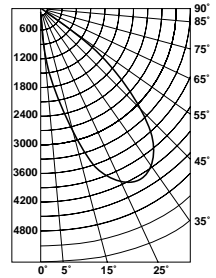
70° 1

75° 0

80° 0

85° 0

90° 0



WIDE FLOOD

PHOTOMETRIC REPORT

Test Report: PTO4152905R

Catalog No: AX3 A 20LM 30K 80CRI

500 FPC 120 3AOVAL

Watts: 26.2

Lumens: 1400

Luminaire LPW: 53

Candlepower Distribution (Candelas)

Degrees

Vertical Candela

20° 1576

25° 1933

30° 2031

35° 2015

40° 2044

45° 2140

50° 2025

55° 1725

60° 1035

65° 216

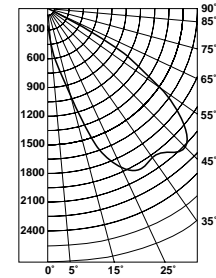
70° 2

75° 1

80° 0

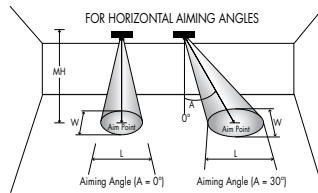
85° 0

90° 0

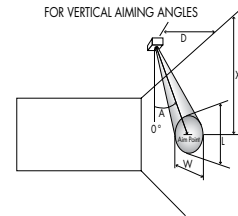


LUMEN OUTPUT MULTIPLIERS

Color Temperature	CRI	Multiplier	Lumen Package	Multiplier
2700K	80	0.95	800	0.40
3000K	80	1.00	1200	0.61
3500K	80	1.05	1500	0.75
4000K	80	1.10	2000	1.00
2700K	90	0.83		
3000K	90	0.87		



Horizontal Aiming Angles



Vertical Aiming Angles

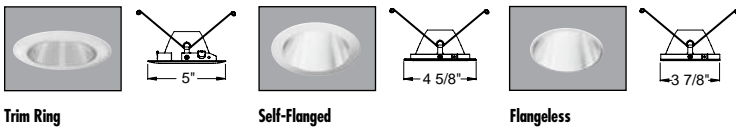


CBCP • Centerbeam candlepower
FC • Footcandles at beam center (aim point)

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°).

Beam Type	Beam Spread°	CBCP	0°				30°				30°				45°			
			MH	FC	L	W	FC	L	W	D	FC	X	L	W	FC	X	L	W
SP	12°	16514	6	459	1.6	1.6	298	2.2	1.9	3	229	5.2	3.4	1.6	649	3.0	1.6	1.1
			8	258	2.1	2.1	168	2.9	2.5	4	129	6.9	4.5	2.1	365	4.0	2.2	1.5
			10	165	2.7	2.7	107	3.6	3.1	5	83	8.7	5.7	2.7	234	5.0	2.7	1.9
			12	115	3.2	3.2	74	4.3	3.7	6	57	10.4	6.8	3.2	162	6.0	3.3	2.3
			14	84	3.8	3.8	55	5.0	4.3	7	42	12.1	8.0	3.8	119	7.0	3.8	2.7
NFL	24°	8207	4	513	1.8	1.8	333	2.4	2.1	2	256	3.5	4.3	1.8	725	2.0	1.9	1.3
			6	228	2.7	2.7	148	3.7	3.1	3	114	5.2	6.4	2.7	322	3.0	2.8	1.9
			8	128	3.6	3.6	83	4.9	4.2	4	64	6.9	8.5	3.6	181	4.0	3.8	2.5
			10	82	4.5	4.5	53	6.1	5.2	5	41	8.7	10.6	4.5	116	5.0	4.7	3.2
FL	35°	4289	4	268	2.7	2.7	174	3.7	3.1	2	134	3.5	8.0	2.7	379	2.0	3.0	1.9
			6	119	4.0	4.0	77	5.5	4.6	3	60	5.2	12.0	4.0	168	3.0	4.5	2.8
			8	67	5.3	5.3	44	7.4	6.1	4	34	6.9	15.9	5.3	95	4.0	6.0	3.8
			10	43	6.7	6.7	28	9.2	7.7	5	21	8.7	19.9	6.7	61	5.0	7.5	4.7
WFL	50°	2031	4	127	3.3	3.3	82	4.7	3.8	2	63	3.5	13.6	3.3	180	2.0	4.0	2.3
			6	56	5.0	5.0	37	7.0	5.7	3	28	5.2	20.3	5.0	80	3.0	3.0	3.5
			8	32	6.6	6.6	21	9.3	7.6	4	16	6.9	27.1	6.6	45	4.0	8.0	4.7
			10	20	8.3	8.3	13	11.7	9.5	5	10	8.7	33.9	8.3	29	5.0	10.0	5.8
			12	14	9.9	9.9	9	14.0	11.5	6	7	10.4	40.7	9.9	20	6.0	12.0	7.0

3DP Parabolic Downlight Trim

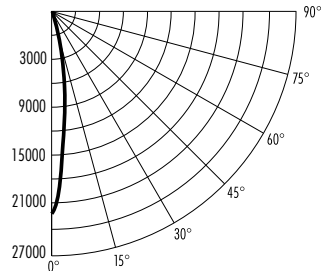


3" LED UNIVERSAL RECESSED ADJUSTABLE/DOWNLIGHT/WALL WASH 800/1200/1500/2000 LUMEN ROUND PARABOLIC DOWNLIGHT TRIM 3DP Trim

PHOTOMETRICS

**SPOT
PHOTOMETRIC REPORT**

Test Report #: PT04151705
Catalog No: AX3 A 20LM 30K 80CRI
12D FPC 120 3DP CS
Luminaire Spacing Criterion: 0.24
Luminaire LPW: 73



**CANDLEPOWER
DISTRIBUTION
(Candelas)**

Degrees Vertical	0°
0	21853
5	14278
15	2074
25	203
35	48
45	3
55	0
65	0
75	0
85	0
90	0

AVERAGE INITIAL FOOTCANDLES
Multiple Units (Square Array, 60'x60' room)
Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	137	127	121
5.0'	88	81	78
6.0'	61	57	54
7.0'	49	46	44
8.0'	39	36	34
9.0'	30	28	26
10.0'	22	20	19

INITIAL FOOTCANDLES
(One Unit, 26.1W, 13.8° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	607.0	1.5'
8	341.5	1.9'
10	218.5	2.4'
12	151.8	2.9'

ZONAL LUMEN SUMMARY

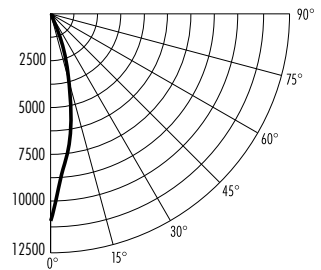
Zone	Lumens	%Fixture
0-30°	1888	98.3
0-40°	1915	99.7
0-60°	1919	99.9
0-90°	1921	100.0

LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	903
55	229
65	267
75	435
85	647

**NARROW FLOOD
PHOTOMETRIC REPORT**

Test Report #: PT04152001
Catalog No: AX3 A 20LM 30K 80CRI
24D FPC 120 3DP CS
Luminaire Spacing Criterion: 0.40
Luminaire LPW: 75



**CANDLEPOWER
DISTRIBUTION
(Candelas)**

Degrees Vertical	0°
0	10606
5	8067
15	3346
25	590
35	50
45	3
55	0
65	0
75	0
85	0
90	0

AVERAGE INITIAL FOOTCANDLES
Multiple Units (Square Array, 60'x60' room)
Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	140	129	120
5.0'	89	82	77
6.0'	62	57	53
7.0'	50	46	43
8.0'	40	37	34
9.0'	30	28	26
10.0'	22	21	19

INITIAL FOOTCANDLES
(One Unit, 26.2W, 23.4° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	294.6	2.5'
8	165.7	3.3'
10	106.1	4.1'
12	73.7	5.0'

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture
0-30°	1935	97.9
0-40°	1974	99.8
0-60°	1977	100.0
0-90°	1977	100.0

LUMINANCE (Average cd/m²)

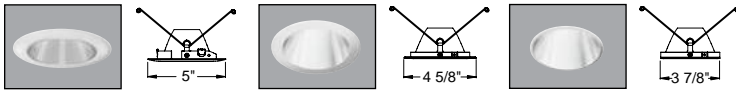
Degrees	Average Luminance
45	717
55	65
65	44
75	0
85	0

Fixtures tested to IES recommended standard for solid state lighting per LM-79-08. Photometric performance on a single unit represents a baseline of performance for the fixture. Results may vary in the field. Photometry is at 3000K CCT, 80CRI.

LUMEN OUTPUT MULTIPLIERS

Color Temperature	CRI	Multiplier	Lumen Package	Multiplier
2700K	80	0.95	800	0.40
3000K	80	1.00	1200	0.61
3500K	80	1.05	1500	0.75
4000K	80	1.10	2000	1.00
2700K	90	0.83		
3000K	90	0.87		

3DP Parabolic Downlight Trim



Trim Ring

Self-Flanged

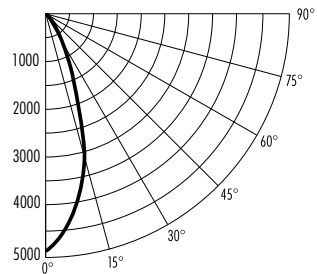
Flangeless

3" LED UNIVERSAL RECESSED ADJUSTABLE/DOWNLIGHT/WALL WASH 800/1200/1500/2000 LUMEN ROUND PARABOLIC DOWNLIGHT TRIM 3DP Trim (continued)

PHOTOMETRICS

FLOOD PHOTOMETRIC REPORT

Test Report #: PT04152101
Catalog No: AX3 A 20LM 30K 80CRI
35D FPC 120 3DP CS
Luminaire Spacing Criterion: 0.60
Luminaire LPW: 72



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	4935
5	4587
15	3143
25	1254
35	159
45	6
55	1
65	0
75	0
85	0
90	0

AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60'x60' room)
Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	139	125	114
5.0'	89	80	73
6.0'	62	56	51
7.0'	23	21	19
8.0'	39	36	32
9.0'	30	27	25
10.0'	22	20	18

INITIAL FOOTCANDLES (One Unit, 26.2W, 36.6° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	137.1	4.0'
8	77.1	5.3'
10	49.4	6.6'
12	34.3	7.9'

ZONAL LUMEN SUMMARY

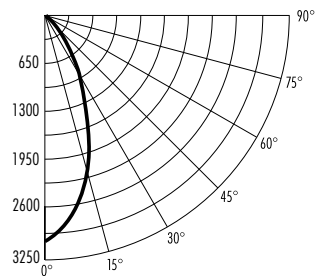
Zone	Lumens	%Fixture
0-30°	1845	93.1
0-40°	1970	99.5
0-60°	1980	100.0
0-90°	1980	100.0

LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	1700
55	164
65	89
75	73
85	0

WIDE FLOOD PHOTOMETRIC REPORT

Test Report #: PT04152201
Catalog No: AX3 A 20LM 30K 80CRI
50D FPC 120 3DP CS
Luminaire Spacing Criterion: 0.68
Luminaire LPW: 67



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	3061
5	2875
15	2116
25	1187
35	471
45	20
55	2
65	1
75	0
85	0
90	0

AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60'x60' room)
Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	121	107	95
5.0'	78	69	61
6.0'	54	48	42
7.0'	44	39	34
8.0'	35	21	27
9.0'	26	23	21
10.0'	19	17	15

INITIAL FOOTCANDLES (One Unit, 26.2W, 42.7° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	85.0	4.7'
8	47.8	6.3'
10	30.6	7.8'
12	21.3	9.4'

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture
0-30°	1393	79.5
0-40°	1697	96.9
0-60°	1750	99.9
0-90°	1751	100.0

LUMINANCE (Average cd/m²)

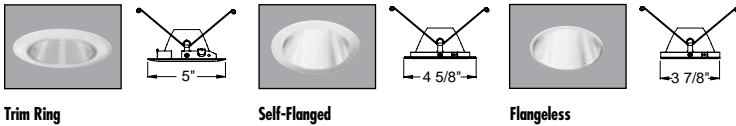
Degrees	Average Luminance
45	5180
55	524
65	311
75	218
85	216

Fixtures tested to IES recommended standard for solid state lighting per LM-79-08. Photometric performance on a single unit represents a baseline of performance for the fixture. Results may vary in the field. Photometry is at 3000K CCT, 80CRI.

LUMEN OUTPUT MULTIPLIERS

Color Temperature	CRI	Multiplier	Lumen Package	Multiplier
2700K	80	0.95	800	0.40
3000K	80	1.00	1200	0.61
3500K	80	1.05	1500	0.75
4000K	80	1.10	2000	1.00
2700K	90	0.83		
3000K	90	0.87		

3DP Parabolic Downlight Trim

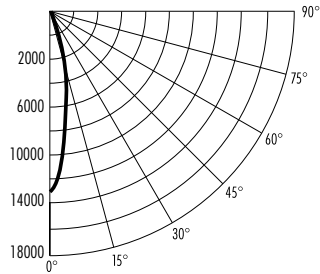


3" LED UNIVERSAL RECESSED ADJUSTABLE/DOWNLIGHT/WALL WASH 800/1200/1500/2000 LUMEN ROUND PARABOLIC DOWNLIGHT TRIM 3DP Trim with WET option

PHOTOMETRICS

**SPOT
PHOTOMETRIC REPORT**

Test Report #: PT04151710
Catalog No: AX3 A 20LM 30K 80CRI
12D FPC 120 3DP CS WET
Luminaire Spacing Criterion: 0.32
Luminaire LPW: 68



**CANDLEPOWER
DISTRIBUTION
(Candelas)**

Degrees Vertical	0°
0	13113
5	10566
15	2364
25	319
35	59
45	7
55	3
65	0
75	0
85	0
90	0

**AVERAGE INITIAL FOOTCANDLES
Multiple Units (Square Array, 60'x60' room)
Ceiling 80% Wall 50% Floor 20%**

Spacing	RCR1	RCR3	RCR5
4.0'	125	116	108
5.0'	80	74	69
6.0'	56	52	48
7.0'	45	42	39
8.0'	36	33	31
9.0'	27	25	24
10.0'	20	19	17

**INITIAL FOOTCANDLES
(One Unit, 26.2W, 18.4° Beam)**

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	364.3	1.9'
8	204.9	2.6'
10	131.1	3.2'
12	91.1	3.9'

ZONAL LUMEN SUMMARY

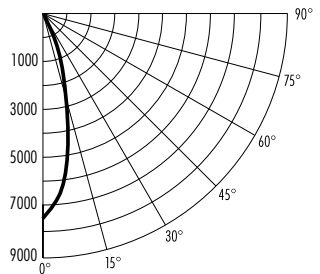
Zone	Lumens	%Fixture
0 - 30°	1724	97.4
0 - 40°	1762	99.5
0 - 60°	1770	100.0
0 - 90°	1771	100.0

LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	1939
55	917
65	178
75	73
85	0

**NARROW FLOOD
PHOTOMETRIC REPORT**

Test Report #: PT04152006
Catalog No: AX3 A 20LM 30K 80CRI
24D FPC 120 3DP CS WET
Luminaire Spacing Criterion: 0.46
Luminaire LPW: 70



**CANDLEPOWER
DISTRIBUTION
(Candelas)**

Degrees Vertical	0°
0	7509
5	6874
15	2980
25	683
35	80
45	9
55	2
65	0
75	0
85	0
90	0

**AVERAGE INITIAL FOOTCANDLES
Multiple Units (Square Array, 60'x60' room)
Ceiling 80% Wall 50% Floor 20%**

Spacing	RCR1	RCR3	RCR5
4.0'	129	118	108
5.0'	83	75	69
6.0'	57	52	48
7.0'	46	42	39
8.0'	37	33	31
9.0'	28	26	24
10.0'	21	19	17

**INITIAL FOOTCANDLES
(One Unit, 26.2W, 26.3° Beam)**

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	208.6	2.8'
8	117.3	3.7'
10	75.1	4.7'
12	52.1	5.6'

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture
0 - 30°	1754	96.0
0 - 40°	1817	99.4
0 - 60°	1827	100.0
0 - 90°	1827	100.0

LUMINANCE (Average cd/m²)

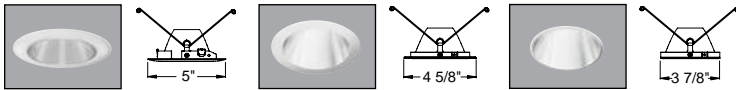
Degrees	Average Luminance
45	2444
55	688
65	178
75	73
85	0

Fixtures tested to IES recommended standard for solid state lighting per LM-79-08. Photometric performance on a single unit represents a baseline of performance for the fixture. Results may vary in the field. Photometry is at 3000K CCT, 80CRI.

LUMEN OUTPUT MULTIPLIERS

Color Temperature	CRI	Multiplier	Lumen Package	Multiplier
2700K	80	0.95	800	0.40
3000K	80	1.00	1200	0.61
3500K	80	1.05	1500	0.75
4000K	80	1.10	2000	1.00
2700K	90	0.83		
3000K	90	0.87		

3DP Parabolic Downlight Trim



Trim Ring Self-Flanged Flangeless

3" LED UNIVERSAL RECESSED ADJUSTABLE/DOWNLIGHT/WALL WASH 800/1200/1500/2000 LUMEN

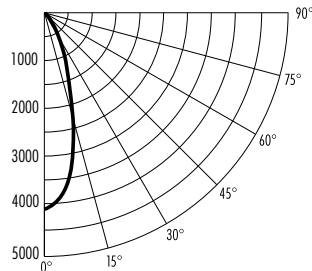
ROUND PARABOLIC DOWNLIGHT TRIM

3DP Trim with WET option (continued)

PHOTOMETRICS

FLOOD PHOTOMETRIC REPORT

Test Report #: PT04152106
Catalog No: AX3 A 20LM 30K 80CRI
35D FPC 120 3DP CS WET
Luminaire Spacing Criterion: 0.62
Luminaire LPW: 71



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees	0°
Vertical	0
0	4217
5	4010
15	2763
25	1174
35	235
45	25
55	2
65	0
75	0
85	0
90	0

AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60'x60' room)
Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	130	116	105
5.0'	83	74	67
6.0'	58	51	47
7.0'	47	42	38
8.0'	37	33	30
9.0'	28	25	23
10.0'	21	19	17

INITIAL FOOTCANDLES

(One Unit, 26.2W, 37.8° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	117.1	4.1'
8	65.9	5.5'
10	42.2	6.8'
12	29.3	8.2'

ZONAL LUMEN SUMMARY

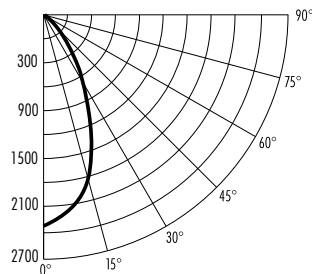
Zone	Lumens	%Fixture
0-30°	1662	89.7
0-40°	1828	98.6
0-60°	1853	100.0
0-90°	1853	100.0

LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	6534
55	524
65	133
75	73
85	0

WIDE FLOOD PHOTOMETRIC REPORT

Test Report #: PT04152206
Catalog No: AX3 A 20LM 30K 80CRI
50D FPC 120 3DP CS WET
Luminaire Spacing Criterion: 0.76
Luminaire LPW: 62



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees	0°
Vertical	0
0	2376
5	2288
15	1852
25	1111
35	620
45	62
55	4
65	1
75	0
85	0
90	0

AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60'x60' room)
Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	111	98	86
5.0'	71	63	55
6.0'	49	44	38
7.0'	40	35	31
8.0'	32	28	25
9.0'	24	21	19
10.0'	18	16	14

INITIAL FOOTCANDLES

(One Unit, 26.1W, 48.1° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	66.0	5.4'
8	37.1	7.1'
10	23.8	8.9'
12	16.5	10.7'

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture
0-30°	1232	76.7
0-40°	1532	95.4
0-60°	1604	99.9
0-90°	1605	100.0

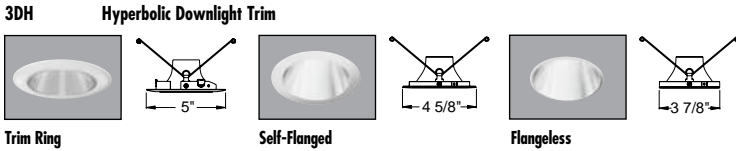
LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	16548
55	1146
65	400
75	218
85	216

Fixtures tested to IES recommended standard for solid state lighting per LM-79-08. Photometric performance on a single unit represents a baseline of performance for the fixture. Results may vary in the field. Photometry is at 3000K CCT, 80CRI.

LUMEN OUTPUT MULTIPLIERS

Color Temperature	CRI	Multiplier	Lumen Package	Multiplier
2700K	80	0.95	800	0.40
3000K	80	1.00	1200	0.61
3500K	80	1.05	1500	0.75
4000K	80	1.10	2000	1.00
2700K	90	0.83		
3000K	90	0.87		



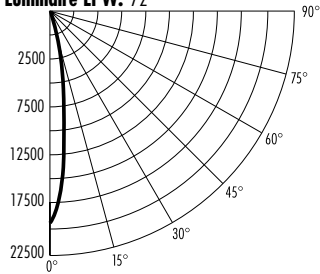
3" LED UNIVERSAL RECESSED ADJUSTABLE/DOWNLIGHT/WALL WASH 800/1200/1500/2000 LUMEN ROUND HYPERBOLIC DOWNLIGHT TRIM 3DH Trim

PHOTOMETRICS

SPOT PHOTOMETRIC REPORT

Test Report #: PT04151709
Catalog No: AX3 A 20LM 30K 80CRI
12D FPC 120
with 3DH CD trim

Luminaire Spacing Criterion: 0.28
Luminaire LPW: 72



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	19250
5	14074
15	1950
25	208
35	80
45	25
55	5
65	0
75	0
85	0
90	0

AVERAGE INITIAL FOOTCANDLES Multiple Units (Square Array, 60'x60' room) Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	135	125	118
5.0'	86	80	76
6.0'	60	56	53
7.0'	48	45	43
8.0'	38	36	34
9.0'	29	27	26
10.0'	22	20	19

INITIAL FOOTCANDLES (One Unit, 26.2W, 15.3° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	534.7	1.6'
8	300.8	2.1'
10	192.5	2.7'
12	133.7	3.2'

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture
0-30°	1818	96.2
0-40°	1865	98.7
0-60°	1889	100.0
0-90°	1890	100.0

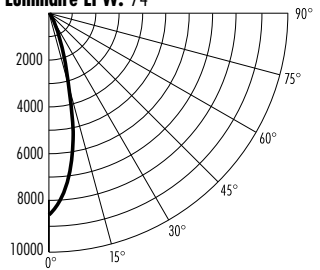
LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	6614
55	1605
65	44
75	0
85	0

NARROW FLOOD PHOTOMETRIC REPORT

Test Report #: PT04152005
Catalog No: AX3 A 20LM 30K 80CRI
24D FPC 120
with 3DH CD trim

Luminaire Spacing Criterion: 0.46
Luminaire LPW: 74



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	8549
5	7872
15	3268
25	478
35	87
45	24
55	5
65	0
75	0
85	0
90	0

AVERAGE INITIAL FOOTCANDLES Multiple Units (Square Array, 60'x60' room) Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	136	124	116
5.0'	87	80	74
6.0'	61	55	51
7.0'	49	45	42
8.0'	39	35	33
9.0'	30	27	25
10.0'	22	20	19

INITIAL FOOTCANDLES (One Unit, 26.2W, 26.5° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	237.5	2.8'
8	133.6	3.8'
10	85.5	4.7'
12	59.4	5.7'

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture
0-30°	1846	95.6
0-40°	1905	98.7
0-60°	1930	100.0
0-90°	1931	100.0

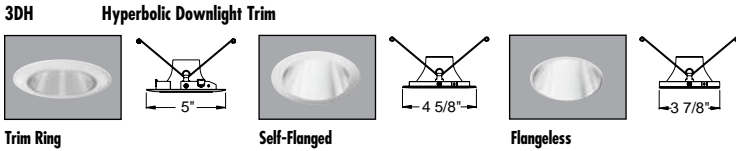
LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	6322
55	1736
65	44
75	0
85	0

Fixtures tested to IES recommended standard for solid state lighting per LM-79-08. Photometric performance on a single unit represents a baseline of performance for the fixture. Results may vary in the field. Photometry is at 3000K CCT, 80CRI.

LUMEN OUTPUT MULTIPLIERS

Color Temperature	CRI	Multiplier	Lumen Package	Multiplier
2700K	80	0.95	800	0.40
3000K	80	1.00	1200	0.61
3500K	80	1.05	1500	0.75
4000K	80	1.10	2000	1.00
2700K	90	0.83		
3000K	90	0.87		

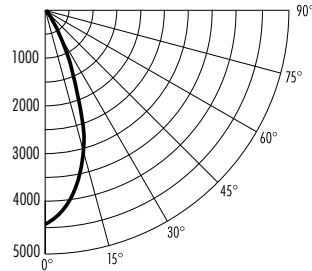


3" LED UNIVERSAL RECESSED ADJUSTABLE/DOWNLIGHT/WALL WASH 800/1200/1500/2000 LUMEN ROUND HYPERBOLIC DOWNLIGHT TRIM 3DH Trim (continued)

PHOTOMETRICS

FLOOD PHOTOMETRIC REPORT

Test Report #: PT04152105
 Catalog No: AX3 A 20LM 30K 80CRI
 35D FPC 120
 with 3DH CD trim
 Luminaire Spacing Criterion: 0.64
 Luminaire LPW: 75



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	4491
5	4341
15	3118
25	1236
35	176
45	18
55	4
65	0
75	0
85	0
90	0

AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60'x60' room)
 Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	138	124	112
5.0'	88	80	72
6.0'	61	55	50
7.0'	50	45	40
8.0'	39	35	32
9.0'	30	27	24
10.0'	22	20	18

INITIAL FOOTCANDLES (One Unit, 26.2W, 38.7° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	124.8	4.2'
8	70.2	5.6'
10	44.9	7.0'
12	31.2	8.4'

ZONAL LUMEN SUMMARY

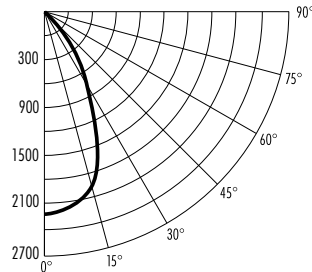
Zone	Lumens	%Fixture
0-30°	1812	92.1
0-40°	1946	98.9
0-60°	1968	100.0
0-90°	1968	100.0

LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	4861
55	1146
65	89
75	0
85	0

WIDE FLOOD PHOTOMETRIC REPORT

Test Report #: PT04152205
 Catalog No: AX3 A 20LM 30K 80CRI
 50D FPC 120
 with 3DH CD trim
 Luminaire Spacing Criterion: 0.84
 Luminaire LPW: 66



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	2259
5	2248
15	2008
25	1231
35	500
45	47
55	13
65	1
75	0
85	0
90	0

AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60'x60' room)
 Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	120	105	93
5.0'	77	67	60
6.0'	53	47	41
7.0'	43	38	34
8.0'	34	30	27
9.0'	26	23	20
10.0'	19	17	15

INITIAL FOOTCANDLES (One Unit, 26.1W, 52.5° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	62.8	5.9'
8	35.3	7.9'
10	22.6	9.9'
12	15.7	11.8'

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture
0-30°	1328	76.6
0-40°	1650	95.1
0-60°	1733	99.9
0-90°	1734	100.0

LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	12484
55	4093
65	267
75	73
85	0

Fixtures tested to IES recommended standard for solid state lighting per LM-79-08. Photometric performance on a single unit represents a baseline of performance for the fixture. Results may vary in the field. Photometry is at 3000K CCT, 80CRI.

LUMEN OUTPUT MULTIPLIERS

Color Temperature	CRI	Multiplier	Lumen Package	Multiplier
2700K	80	0.95	800	0.40
3000K	80	1.00	1200	0.61
3500K	80	1.05	1500	0.75
4000K	80	1.10	2000	1.00
2700K	90	0.83		
3000K	90	0.87		

3DBAF Baffle Downlight Trim



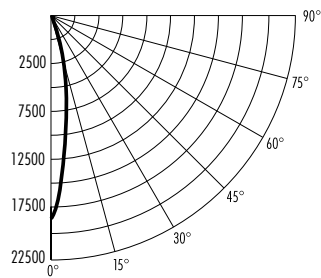
Trim Ring

3" LED UNIVERSAL RECESSED ADJUSTABLE/DOWNLIGHT/WALL WASH 800/1200/1500/2000 LUMEN ROUND BAFFLE DOWNLIGHT TRIM 3DBAF Trim

PHOTOMETRICS

SPOT PHOTOMETRIC REPORT

Test Report #: PT04151706
Catalog No: AX3 A 20LM 30K 80CRI
12D FPC 120 3DBAF W
Luminaire Spacing Criterion: 0.28
Luminaire LPW: 72



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	18940
5	13962
15	1928
25	195
35	55
45	20
55	15
65	10
75	5
85	1
90	0

AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60'x60' room)
Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	134	123	116
5.0'	86	79	74
6.0'	59	55	52
7.0'	48	44	42
8.0'	38	35	33
9.0'	29	27	25
10.0'	21	20	19

INITIAL FOOTCANDLES (One Unit, 26.2W, 15.4° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	526.1	1.6'
8	295.9	2.2'
10	189.4	2.7'
12	131.5	3.2'

ZONAL LUMEN SUMMARY

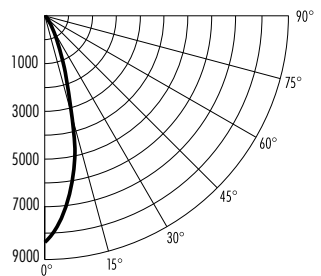
Zone	Lumens	%Fixture
0-30°	1797	95.8
0-40°	1830	97.6
0-60°	1859	99.2
0-90°	1875	100.0

LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	5366
55	4879
65	4311
75	3411
85	2155

NARROW FLOOD PHOTOMETRIC REPORT

Test Report #: PT04152002
Catalog No: AX3 A 20LM 30K 80CRI
24D FPC 120 3DBAF W
Luminaire Spacing Criterion: 0.46
Luminaire LPW: 74



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	8410
5	7737
15	3195
25	591
35	62
45	20
55	15
65	11
75	6
85	1
90	0

AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60'x60' room)
Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	136	124	115
5.0'	87	80	73
6.0'	61	55	51
7.0'	49	45	41
8.0'	39	35	33
9.0'	30	27	25
10.0'	22	20	18

INITIAL FOOTCANDLES (One Unit, 26.2W, 26.4° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	233.6	2.8'
8	131.4	3.8'
10	84.1	4.7'
12	58.4	5.6'

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture
0-30°	1836	95.1
0-40°	1883	97.5
0-60°	1912	99.0
0-90°	1931	100.0

LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	5259
55	5043
65	4800
75	4282
85	2802

Fixtures tested to IES recommended standard for solid state lighting per LM-79-08. Photometric performance on a single unit represents a baseline of performance for the fixture. Results may vary in the field. Photometry is at 3000K CCT, 80CRI.

LUMEN OUTPUT MULTIPLIERS

Color Temperature	CRI	Multiplier	Lumen Package	Multiplier
2700K	80	0.95	800	0.40
3000K	80	1.00	1200	0.61
3500K	80	1.05	1500	0.75
4000K	80	1.10	2000	1.00
2700K	90	0.83		
3000K	90	0.87		

3DBAF Baffle Downlight Trim



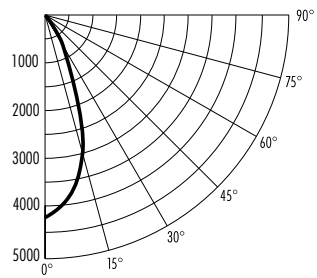
Trim Ring

3" LED UNIVERSAL RECESSED ADJUSTABLE/DOWNLIGHT/WALL WASH 800/1200/1500/2000 LUMEN ROUND BAFFLE DOWNLIGHT TRIM 3DBAF Trim (continued)

PHOTOMETRICS

FLOOD PHOTOMETRIC REPORT

Test Report #: PT04152102
Catalog No: AX3 A 20LM 30K 80CRI
35D FPC 120 3DBAF W
Luminaire Spacing Criterion: 0.64
Luminaire LPW: 75



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	4420
5	4274
15	3075
25	1243
35	165
45	15
55	9
65	7
75	4
85	1
90	0

AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60'x60' room)
Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	137	123	111
5.0'	88	78	71
6.0'	61	54	50
7.0'	49	44	40
8.0'	39	35	32
9.0'	30	27	24
10.0'	22	20	18

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture
0-30°	1795	91.6
0-40°	1924	98.1
0-60°	1948	99.4
0-90°	1960	100.0

INITIAL FOOTCANDLES (One Unit, 26.2W, 38.8° Beam)

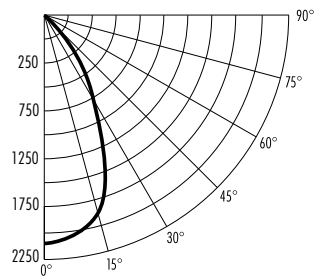
Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	122.8	4.2'
8	69.1	5.6'
10	44.2	7.0'
12	30.7	8.5'

LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	4064
55	3045
65	3022
75	2830
85	1940

WIDE FLOOD PHOTOMETRIC REPORT

Test Report #: PT04152202
Catalog No: AX3 A 20LM 30K 80CRI
50D FPC 120 3DBAF W
Luminaire Spacing Criterion: 0.86
Luminaire LPW: 65



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	2091
5	2094
15	1912
25	1170
35	478
45	42
55	27
65	21
75	13
85	3
90	0

AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60'x60' room)
Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	118	102	89
5.0'	76	65	57
6.0'	52	45	40
7.0'	42	37	32
8.0'	34	29	25
9.0'	26	22	19
10.0'	19	16	14

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture
0-30°	1259	74.0
0-40°	1569	92.2
0-60°	1663	97.7
0-90°	1701	100.0

INITIAL FOOTCANDLES (One Unit, 26.1W, 53.2° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	58.1	6.0'
8	32.7	8.0'
10	20.9	10.0'
12	14.5	12.0'

LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	11050
55	8809
65	9422
75	9507
85	6896

Fixtures tested to IES recommended standard for solid state lighting per LM-79-08. Photometric performance on a single unit represents a baseline of performance for the fixture. Results may vary in the field. Photometry is at 3000K CCT, 80CRI.

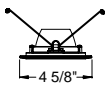
LUMEN OUTPUT MULTIPLIERS

Color Temperature	CRI	Multiplier	Lumen Package	Multiplier
2700K	80	0.95	800	0.40
3000K	80	1.00	1200	0.61
3500K	80	1.05	1500	0.75
4000K	80	1.10	2000	1.00
2700K	90	0.83		
3000K	90	0.87		

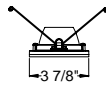
3DBV Downlight Bevel



Trim Ring



Flangeless

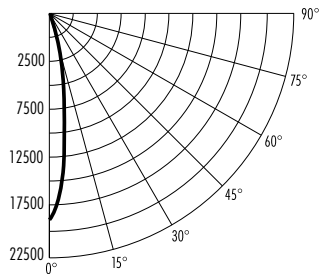


3" LED UNIVERSAL RECESSED ADJUSTABLE/DOWNLIGHT/WALL WASH 800/1200/1500/2000 LUMEN ROUND DOWNLIGHT BEVEL 3DBV Trim

PHOTOMETRICS

**SPOT
PHOTOMETRIC REPORT**

Test Report #: PTO4151708
Catalog No: AX3 A 20LM 30K 80CRI
12D FPC 120 3DBV
Luminaire Spacing Criterion: 0.26
Luminaire LPW: 63



**CANDLEPOWER
DISTRIBUTION
(Candelas)**

Degrees Vertical	0°
0	18898
5	13715
15	1664
25	85
35	7
45	1
55	0
65	0
75	0
85	0
90	0

AVERAGE INITIAL FOOTCANDLES
Multiple Units (Square Array, 60'x60' room)
Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	118	111	106
5.0'	76	71	68
6.0'	53	49	47
7.0'	43	40	38
8.0'	34	32	30
9.0'	26	24	23
10.0'	19	18	17

INITIAL FOOTCANDLES
(One Unit, 26.2W, 15.1° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	524.9	1.6'
8	295.3	2.1'
10	189.0	2.7'
12	131.2	3.2'

ZONAL LUMEN SUMMARY

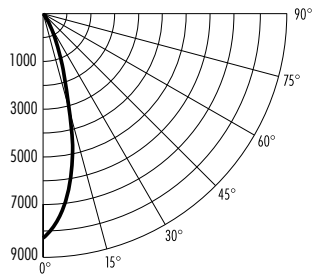
Zone	Lumens	%Fixture
0-30°	1650	99.5
0-40°	1656	99.9
0-60°	1657	100.0
0-90°	1658	100.0

LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	688
55	212
65	144
75	0
85	0

**NARROW FLOOD
PHOTOMETRIC REPORT**

Test Report #: PTO4152004
Catalog No: AX3 A 20LM 30K 80CRI
24D FPC 120 3DBV
Luminaire Spacing Criterion: 0.46
Luminaire LPW: 63



**CANDLEPOWER
DISTRIBUTION
(Candelas)**

Degrees Vertical	0°
0	8327
5	7663
15	3104
25	194
35	24
45	2
55	0
65	0
75	0
85	0
90	0

AVERAGE INITIAL FOOTCANDLES
Multiple Units (Square Array, 60'x60' room)
Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	116	108	101
5.0'	74	69	64
6.0'	52	48	45
7.0'	42	39	36
8.0'	33	31	29
9.0'	25	23	22
10.0'	19	17	16

INITIAL FOOTCANDLES
(One Unit, 26.2W, 26.3° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	231.3	2.8'
8	130.1	3.7'
10	83.3	4.7'
12	57.8	5.6'

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture
0-30°	1620	98.7
0-40°	1639	99.9
0-60°	1641	100.0
0-90°	1641	100.0

LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	1291
55	212
65	288
75	0
85	0

Fixtures tested to IES recommended standard for solid state lighting per LM-79-08. Photometric performance on a single unit represents a baseline of performance for the fixture. Results may vary in the field. Photometry is at 3000K CCT, 80CRI.

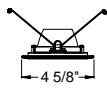
LUMEN OUTPUT MULTIPLIERS

Color Temperature	CRI	Multiplier	Lumen Package	Multiplier
2700K	80	0.95	800	0.40
3000K	80	1.00	1200	0.61
3500K	80	1.05	1500	0.75
4000K	80	1.10	2000	1.00
2700K	90	0.83		
3000K	90	0.87		

3DBV Downlight Bevel



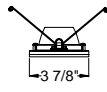
Trim Ring



4 5/8"



Flangeless



3 7/8"

3" LED UNIVERSAL RECESSED ADJUSTABLE/DOWNLIGHT/WALL WASH 800/1200/1500/2000 LUMEN

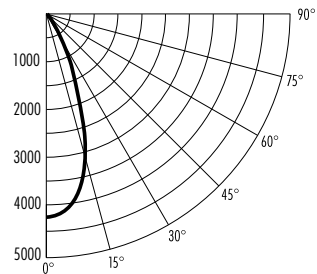
ROUND DOWNLIGHT BEVEL 3DBV Trim (continued)

PHOTOMETRICS

FLOOD PHOTOMETRIC REPORT

Test Report #: PT04152104
Catalog No: AX3 A 20LM 30K 80CRI
350 FPC 120 3DBV

Luminaire Spacing Criterion: 0.64
Luminaire LPW: 69



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees	Candelas
Vertical	0°
0	4383
5	4244
15	3024
25	1014
35	127
45	3
55	0
65	0
75	0
85	0
90	0

AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60'x60' room)
Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	126	113	103
5.0'	80	73	66
6.0'	56	50	46
7.0'	45	41	37
8.0'	36	32	29
9.0'	27	25	22
10.0'	20	18	17

INITIAL FOOTCANDLES (One Unit, 26.2W, 37.5° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	121.8	4.1'
8	68.5	5.4'
10	43.8	6.8'
12	30.4	6.1'

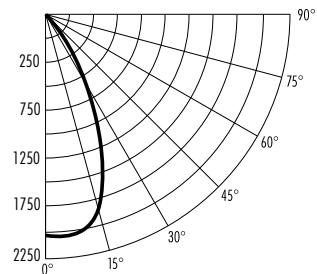
LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	2496
55	212
65	144
75	0
85	0

WIDE FLOOD PHOTOMETRIC REPORT

Test Report #: PT04152204
Catalog No: AX3 A 20LM 30K 80CRI
500 FPC 120 3DBV

Luminaire Spacing Criterion: 0.84
Luminaire LPW: 55



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees	Candelas
Vertical	0°
0	2019
5	2033
15	1860
25	1025
35	371
45	6
55	0
65	0
75	0
85	0
90	0

AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60'x60' room)
Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	100	88	79
5.0'	64	56	50
6.0'	44	39	35
7.0'	36	32	28
8.0'	28	25	22
9.0'	22	19	17
10.0'	16	14	13

INITIAL FOOTCANDLES (One Unit, 26.1W, 50.2° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	56.1	5.6'
8	31.5	7.5'
10	20.2	9.4'
12	14.0	11.2'

LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	5336
55	424
65	432
75	235
85	0

Fixtures tested to IES recommended standard for solid state lighting per LM-79-08. Photometric performance on a single unit represents a baseline of performance for the fixture. Results may vary in the field. Photometry is at 3000K CCT, 80CRI.

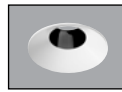
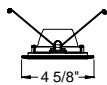
LUMEN OUTPUT MULTIPLIERS

Color Temperature	CRI	Multiplier	Lumen Package	Multiplier
2700K	80	0.95	800	0.40
3000K	80	1.00	1200	0.61
3500K	80	1.05	1500	0.75
4000K	80	1.10	2000	1.00
2700K	90	0.83		
3000K	90	0.87		

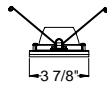
3DBV Downlight Bevel



Trim Ring



Flangeless

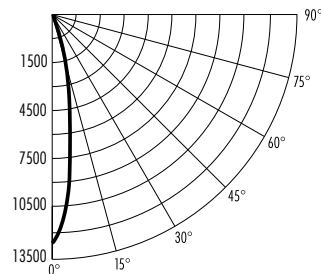


3" LED UNIVERSAL RECESSED ADJUSTABLE/DOWNLIGHT/WALL WASH 800/1200/1500/2000 LUMEN ROUND DOWNLIGHT BEVEL 3DBV Trim with WET option

PHOTOMETRICS

SPOT PHOTOMETRIC REPORT

Test Report #: PT04151712
Catalog No: AX3 A 20LM 30K 80CRI
12D FPC 120 3DBV WET
Luminaire Spacing Criterion: 0.32
Luminaire LPW: 59



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	12427
5	9921
15	2033
25	182
35	22
45	6
55	3
65	1
75	0
85	0
90	0

AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60'x60' room)
Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	109	102	95
5.0'	70	65	61
6.0'	49	45	42
7.0'	39	37	34
8.0'	31	29	27
9.0'	24	22	21
10.0'	17	16	15

INITIAL FOOTCANDLES

(One Unit, 26.2W, 17.9° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	345.2	1.9'
8	194.2	2.5'
10	124.3	3.1'
12	86.3	3.8'

ZONAL LUMEN SUMMARY

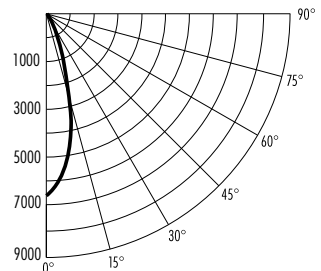
Zone	Lumens	%Fixture
0-30°	1509	98.4
0-40°	1525	99.4
0-60°	1532	99.9
0-90°	1534	100.0

LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	4992
55	2971
65	1872
75	470
85	0

NARROW FLOOD PHOTOMETRIC REPORT

Test Report #: PT04152008
Catalog No: AX3 A 20LM 30K 80CRI
24D FPC 120 3DBV WET
Luminaire Spacing Criterion: 0.46
Luminaire LPW: 58



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	6844
5	6290
15	2668
25	358
35	45
45	9
55	3
65	2
75	0
85	0
90	0

AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60'x60' room)
Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	107	99	91
5.0'	69	63	58
6.0'	48	44	40
7.0'	39	36	33
8.0'	30	28	26
9.0'	23	21	20
10.0'	17	16	15

INITIAL FOOTCANDLES

(One Unit, 26.2W, 26.3° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	190.1	2.8'
8	106.9	3.7'
10	68.4	4.7'
12	47.5	5.6'

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture
0-30°	1472	97.0
0-40°	1505	99.2
0-60°	1516	99.9
0-90°	1518	100.0

LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	7745
55	3501
65	2160
75	470
85	0

Fixtures tested to IES recommended standard for solid state lighting per LM-79-08. Photometric performance on a single unit represents a baseline of performance for the fixture. Results may vary in the field. Photometry is at 3000K CCT, 80CRI.

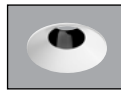
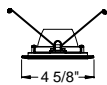
LUMEN OUTPUT MULTIPLIERS

Color Temperature	CRI	Multiplier	Lumen Package	Multiplier
2700K	80	0.95	800	0.40
3000K	80	1.00	1200	0.61
3500K	80	1.05	1500	0.75
4000K	80	1.10	2000	1.00
2700K	90	0.83		
3000K	90	0.87		

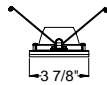
3DBV Downlight Bevel



Trim Ring



Flangeless



3" LED UNIVERSAL RECESSED ADJUSTABLE/DOWNLIGHT/WALL WASH 800/1200/1500/2000 LUMEN

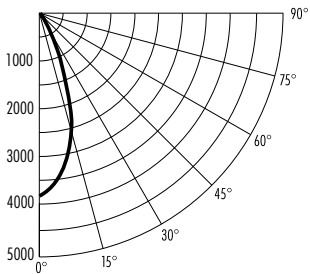
ROUND DOWNLIGHT BEVEL

3DBV Trim with WET option (continued)

PHOTOMETRICS

FLOOD PHOTOMETRIC REPORT

Test Report #: PT04152108
Catalog No: AX3 A 20LM 30K 80CRI
35D FPC 120 3DBV WET
Luminaire Spacing Criterion: 0.62
Luminaire LPW: 63



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	3841
5	3700
15	2566
25	969
35	192
45	27
55	6
65	2
75	0
85	0
90	0

AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60'x60' room)
Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	116	104	94
5.0'	74	66	60
6.0'	52	46	42
7.0'	42	37	34
8.0'	33	29	27
9.0'	25	23	21
10.0'	19	17	15

INITIAL FOOTCANDLES

(One Unit, 26.2W, 37.5° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	106.7	4.1'
8	60.0	5.4'
10	38.4	6.8'
12	26.7	6.1'

ZONAL LUMEN SUMMARY

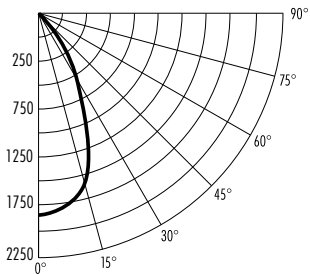
Zone	Lumens	%Fixture
0-30°	1489	89.9
0-40°	1624	98.0
0-60°	1655	99.9
0-90°	1657	100.0

LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	23581
55	6154
65	2448
75	470
85	0

WIDE FLOOD PHOTOMETRIC REPORT

Test Report #: PT04152208
Catalog No: AX3 A 20LM 30K 80CRI
50D FPC 120 3DBV WET
Luminaire Spacing Criterion: 0.82
Luminaire LPW: 50



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	1846
5	1839
15	1610
25	912
35	333
45	61
55	11
65	2
75	0
85	0
90	0

AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60'x60' room)
Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	91	80	71
5.0'	58	51	46
6.0'	40	36	32
7.0'	33	29	26
8.0'	26	23	20
9.0'	20	18	16
10.0'	15	13	11

INITIAL FOOTCANDLES

(One Unit, 26.1W, 49.8° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	51.3	5.6'
8	28.8	7.4'
10	18.5	9.3'
12	12.8	11.1'

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture
0-30°	1033	78.7
0-40°	1245	94.8
0-60°	1311	99.8
0-90°	1313	100.0

LUMINANCE (Average cd/m²)

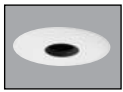
Degrees	Average Luminance
45	52669
55	11140
65	2592
75	940
85	698

Fixtures tested to IES recommended standard for solid state lighting per LM-79-08. Photometric performance on a single unit represents a baseline of performance for the fixture. Results may vary in the field. Photometry is at 3000K CCT, 80CRI.

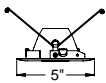
LUMEN OUTPUT MULTIPLIERS

Color Temperature	CRI	Multiplier	Lumen Package	Multiplier
2700K	80	0.95	800	0.40
3000K	80	1.00	1200	0.61
3500K	80	1.05	1500	0.75
4000K	80	1.10	2000	1.00
2700K	90	0.83		
3000K	90	0.87		

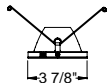
3DPIN Downlight Pinhole



Trim Ring



Flangeless

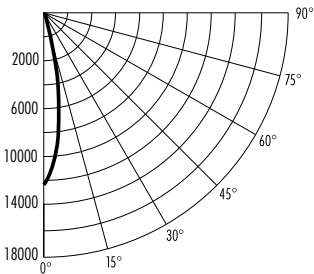


3" LED UNIVERSAL RECESSED ADJUSTABLE/DOWNLIGHT/WALL WASH 800/1200/1500/2000 LUMEN ROUND DOWNLIGHT PINHOLE 3DPIN Trim

PHOTOMETRICS

**SPOT
PHOTOMETRIC REPORT**

Test Report #: PT04151707
Catalog No: AX3 A 20LM 30K 80CRI
12D FPC 120 3DPIN
Luminaire Spacing Criterion: 0.28
Luminaire LPW: 39



**CANDLEPOWER
DISTRIBUTION
(Candelas)**

Degrees Vertical	0°
0	12625
5	9796
15	669
25	33
35	2
45	0
55	0
65	0
75	0
85	0
90	0

AVERAGE INITIAL FOOTCANDLES
Multiple Units (Square Array, 60'x60' room)
Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	72	68	65
5.0'	46	44	42
6.0'	32	30	29
7.0'	26	25	23
8.0'	20	19	18
9.0'	16	15	14
10.0'	12	11	10

INITIAL FOOTCANDLES
(One Unit, 26.2W, 15.3° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	350.7	1.6'
8	197.3	2.1'
10	126.3	2.7'
12	87.7	3.2'

ZONAL LUMEN SUMMARY

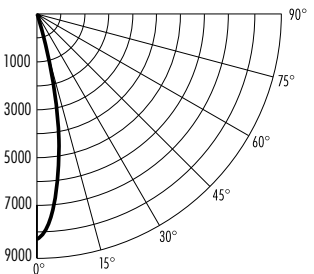
Zone	Lumens	%Fixture
0-30°	1007	99.7
0-40°	1008	99.9
0-60°	1009	99.9
0-90°	1010	100.0

LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	775
55	955
65	1296
75	1587
85	3142

**NARROW FLOOD
PHOTOMETRIC REPORT**

Test Report #: PT04152003
Catalog No: AX3 A 20LM 30K 80CRI
24D FPC 120 3DPIN
Luminaire Spacing Criterion: 0.38
Luminaire LPW: 44



**CANDLEPOWER
DISTRIBUTION
(Candelas)**

Degrees Vertical	0°
0	8317
5	7312
15	1700
25	56
35	1
45	0
55	0
65	0
75	0
85	0
90	0

AVERAGE INITIAL FOOTCANDLES
Multiple Units (Square Array, 60'x60' room)
Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	82	76	72
5.0'	52	49	46
6.0'	36	34	32
7.0'	29	27	26
8.0'	23	22	20
9.0'	18	17	16
10.0'	13	12	11

INITIAL FOOTCANDLES
(One Unit, 26.2W, 21.3° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	231.0	2.3'
8	130.0	3.0'
10	83.2	3.8'
12	57.8	4.5'

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture
0-30°	1143	99.9
0-40°	1145	100.0
0-60°	1145	100.0
0-90°	1145	100.0

LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	194
55	239
65	324
75	0
85	0

Fixtures tested to IES recommended standard for solid state lighting per LM-79-08. Photometric performance on a single unit represents a baseline of performance for the fixture. Results may vary in the field. Photometry is at 3000K CCT, 80CRI.

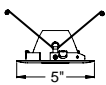
LUMEN OUTPUT MULTIPLIERS

Color Temperature	CRI	Multiplier	Lumen Package	Multiplier
2700K	80	0.95	800	0.40
3000K	80	1.00	1200	0.61
3500K	80	1.05	1500	0.75
4000K	80	1.10	2000	1.00
2700K	90	0.83		
3000K	90	0.87		

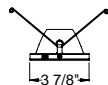
3DPIN Downlight Pinhole



Trim Ring



Flangeless

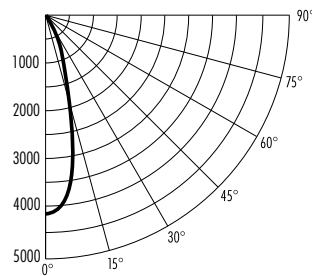


3" LED UNIVERSAL RECESSED ADJUSTABLE/DOWNLIGHT/WALL WASH 800/1200/1500/2000 LUMEN ROUND DOWNLIGHT PINHOLE 3DPIN Trim (continued)

PHOTOMETRICS

FLOOD PHOTOMETRIC REPORT

Test Report #: PT04152103
Catalog No: AX3 A 20LM 30K 80CRI
35D FPC 120 3DPIN
Luminaire Spacing Criterion: 0.48
Luminaire LPW: 50



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees	Vertical	0°
0		4376
5		4212
15		1985
25		818
35		1
45		0
55		0
65		0
75		0
85		0
90		0

AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60'x60' room)
Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	93	84	77
5.0'	59	54	49
6.0'	41	37	34
7.0'	33	30	28
8.0'	26	24	22
9.0'	20	18	17
10.0'	15	13	12

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture
0-30°	1288	98.0
0-40°	1314	100.0
0-60°	1314	100.0
0-90°	1314	100.0

INITIAL FOOTCANDLES

(One Unit, 26.2W, 28.4° Beam)

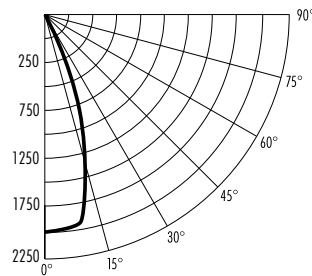
Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	121.6	3.0'
8	68.4	4.0'
10	43.8	5.1'
12	30.4	6.1'

LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	581
55	239
65	324
75	529
85	0

WIDE FLOOD PHOTOMETRIC REPORT

Test Report #: PT04152203
Catalog No: AX3 A 20LM 30K 80CRI
50D FPC 120 3DPIN
Luminaire Spacing Criterion: 0.64
Luminaire LPW: 27



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees	Vertical	0°
0		2000
5		1994
15		1412
25		238
35		1
45		0
55		0
65		0
75		0
85		0
90		0

AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60'x60' room)
Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	50	46	42
5.0'	32	29	27
6.0'	22	20	19
7.0'	18	16	15
8.0'	14	13	12
9.0'	11	10	9
10.0'	8	7	7

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture
0-30°	707	99.8
0-40°	708	100.0
0-60°	709	100.0
0-90°	709	100.0

INITIAL FOOTCANDLES

(One Unit, 26.1W, 37.4° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	55.6	4.1'
8	31.3	5.4'
10	20.0	6.8'
12	13.9	8.1'

LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	194
55	0
65	0
75	0
85	0

Fixtures tested to IES recommended standard for solid state lighting per LM-79-08. Photometric performance on a single unit represents a baseline of performance for the fixture. Results may vary in the field. Photometry is at 3000K CCT, 80CRI.

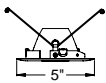
LUMEN OUTPUT MULTIPLIERS

Color Temperature	CRI	Multiplier	Lumen Package	Multiplier
2700K	80	0.95	800	0.40
3000K	80	1.00	1200	0.61
3500K	80	1.05	1500	0.75
4000K	80	1.10	2000	1.00
2700K	90	0.83		
3000K	90	0.87		

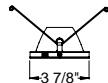
3DPIN Downlight Pinhole



Trim Ring



Flangeless

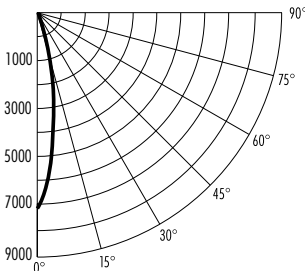


3" LED UNIVERSAL RECESSED ADJUSTABLE/DOWNLIGHT/WALL WASH 800/1200/1500/2000 LUMEN ROUND DOWNLIGHT PINHOLE 3DPIN Trim with WET option

PHOTOMETRICS

**SPOT
PHOTOMETRIC REPORT**

Test Report #: PT04151711
Catalog No: AX3 A 20LM 30K 80CRI
12D FPC 120 3DPIN WET
Luminaire Spacing Criterion: 0.32
Luminaire LPW: 35



**CANDLEPOWER
DISTRIBUTION
(Candelas)**

Degrees	Vertical	0°
0	7175	
5	6817	
15	1216	
25	105	
35	13	
45	4	
55	3	
65	2	
75	1	
85	0	
90	0	

AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60'x60' room)
Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	65	60	57
5.0'	42	38	36
6.0'	29	27	25
7.0'	23	22	20
8.0'	19	17	16
9.0'	14	13	12
10.0'	10	10	9

**INITIAL FOOTCANDLES
(One Unit, 26.2W, 18.5° Beam)**

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	199.3	2.0'
8	112.1	2.6'
10	71.8	3.3'
12	49.8	3.9'

ZONAL LUMEN SUMMARY

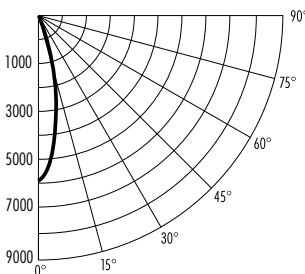
Zone	Lumens	%Fixture
0-30°	896	98.1
0-40°	905	99.1
0-60°	911	99.7
0-90°	914	100.0

LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	7552
55	5968
65	6480
75	4761
85	0

**NARROW FLOOD
PHOTOMETRIC REPORT**

Test Report #: PT04152007
Catalog No: AX3 A 20LM 30K 80CRI
24D FPC 120 3DPIN WET
Luminaire Spacing Criterion: 0.40
Luminaire LPW: 40



**CANDLEPOWER
DISTRIBUTION
(Candelas)**

Degrees	Vertical	0°
0	5945	
5	5228	
15	1712	
25	200	
35	19	
45	5	
55	3	
65	2	
75	1	
85	0	
90	0	

AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60'x60' room)
Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	75	69	64
5.0'	48	44	41
6.0'	33	31	29
7.0'	27	25	23
8.0'	21	20	18
9.0'	16	15	14
10.0'	12	11	10

**INITIAL FOOTCANDLES
(One Unit, 26.2W, 22.7° Beam)**

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	165.1	2.4'
8	92.9	3.2'
10	59.5	4.0'
12	41.3	4.8'

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture
0-30°	1034	97.7
0-40°	1049	99.1
0-60°	1055	99.7
0-90°	1058	100.0

LUMINANCE (Average cd/m²)

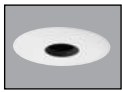
Degrees	Average Luminance
45	9101
55	6684
65	6804
75	4232
85	0

Fixtures tested to IES recommended standard for solid state lighting per LM-79-08. Photometric performance on a single unit represents a baseline of performance for the fixture. Results may vary in the field. Photometry is at 3000K CCT, 80CRI.

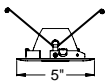
LUMEN OUTPUT MULTIPLIERS

Color Temperature	CRI	Multiplier	Lumen Package	Multiplier
2700K	80	0.95	800	0.40
3000K	80	1.00	1200	0.61
3500K	80	1.05	1500	0.75
4000K	80	1.10	2000	1.00
2700K	90	0.83		
3000K	90	0.87		

3DPIN Downlight Pinhole



Trim Ring



Flangeless

3" LED UNIVERSAL RECESSED ADJUSTABLE/DOWNLIGHT/WALL WASH 800/1200/1500/2000 LUMEN

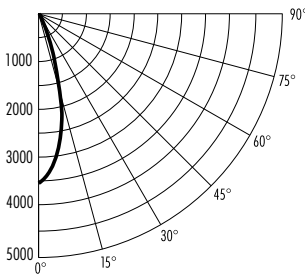
ROUND DOWNLIGHT PINHOLE

3DPIN Trim with WET option (continued)

PHOTOMETRICS

FLOOD PHOTOMETRIC REPORT

Test Report #: PT04152107
Catalog No: AX3 A 20LM 30K 80CRI
350 FPC 120 3DPIN WET
Luminaire Spacing Criterion: 0.52
Luminaire LPW: 46



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees	Vertical	0°
0	3512	
5	3267	
15	1820	
25	684	
35	118	
45	16	
55	4	
65	2	
75	1	
85	0	
90	0	

AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60'x60' room)
Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	85	77	70
5.0'	54	49	45
6.0'	38	34	31
7.0'	31	28	25
8.0'	24	22	20
9.0'	19	17	15
10.0'	14	12	11

INITIAL FOOTCANDLES

(One Unit, 26.2W, 30.9° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	97.6	3.3'
8	54.9	4.4'
10	35.1	5.5'
12	24.4	6.6'

ZONAL LUMEN SUMMARY

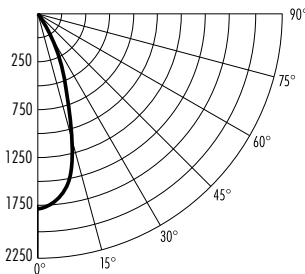
Zone	Lumens	%Fixture
0-30°	1109	91.2
0-40°	1194	98.2
0-60°	1213	99.8
0-90°	1215	100.0

LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	31563
55	8594
65	6480
75	4232
85	0

WIDE FLOOD PHOTOMETRIC REPORT

Test Report #: PT04152207
Catalog No: AX3 A 20LM 30K 80CRI
500 FPC 120 3DPIN WET
Luminaire Spacing Criterion: 0.60
Luminaire LPW: 25



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees	Vertical	0°
0	1791	
5	1733	
15	1153	
25	321	
35	38	
45	5	
55	2	
65	2	
75	1	
85	0	
90	0	

AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60'x60' room)
Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	47	42	39
5.0'	30	27	25
6.0'	21	19	17
7.0'	17	15	14
8.0'	13	12	11
9.0'	10	9	8
10.0'	7	7	6

INITIAL FOOTCANDLES

(One Unit, 26.1W, 35.7° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	49.8	3.9'
8	28.0	5.2'
10	17.9	6.4'
12	12.4	7.7'

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture
0-30°	627	94.3
0-40°	655	98.6
0-60°	662	99.5
0-90°	665	100.0

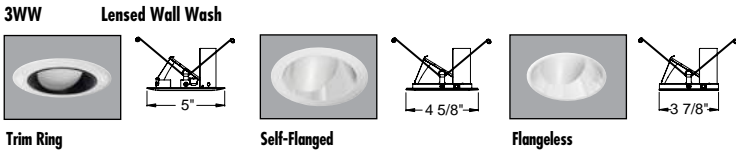
LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	8714
55	5252
65	6804
75	5819
85	0

Fixtures tested to IES recommended standard for solid state lighting per LM-79-08. Photometric performance on a single unit represents a baseline of performance for the fixture. Results may vary in the field. Photometry is at 3000K CCT, 80CRI.

LUMEN OUTPUT MULTIPLIERS

Color Temperature	CRI	Multiplier	Lumen Package	Multiplier
2700K	80	0.95	800	0.40
3000K	80	1.00	1200	0.61
3500K	80	1.05	1500	0.75
4000K	80	1.10	2000	1.00
2700K	90	0.83		
3000K	90	0.87		

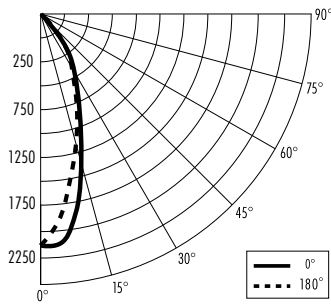


3" LED UNIVERSAL RECESSED ADJUSTABLE/DOWNLIGHT/WALL WASH 800/1200/1500/2000 LUMEN ROUND LENSED WALL WASH 3WW Trim

PHOTOMETRICS

PHOTOMETRIC REPORT

Test Report #: PT05152021
 Catalog No: AX3 A 20LM 30K 80CRI
 24D FPC 120 3WW CS
 Luminaire Spacing Criterion @ 90°: 0.68
 Luminaire: 3-1/4" ICAT LED Downlight with Lensed
 Angle Cut Wall Wash Trim



**CANDLEPOWER
DISTRIBUTION
(Candelas)**

Degrees Vertical	0° Wall Wash	180° Downlight
0	2017	2017
5	2025	1852
10	1836	1572
15	1477	1244
20	1089	910
25	752	645
30	488	443
35	283	297
40	171	185
45	112	92
50	78	21
55	56	1
60	44	1
65	37	1
70	30	0
75	20	0
80	8	0
85	1	0
90	0	0

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture
0 - 30°	928	72.2
0 - 40°	1145	89.1
0 - 60°	1268	98.6
0 - 90°	1286	100.0
90 - 180°	0	0.0
0 - 180°	1286	100.0

LUMINANCE (Average cd/m²)

Degrees	Average 180° Downlight Luminance
45	29723
55	18469
65	16355
75	14804
85	1509

FOOTCANDLES ON WALL FROM MULTIPLE FIXTURES

Fixture Distance to Wall		18"			24"		
Fixture Centers (spacing)		18"	18"	18"	24"	24"	24"
DISTANCE FROM CEILING	1'	17	17	17	15	13	15
	2'	35	35	35	28	27	28
	3'	51	51	51	41	40	41
	4'	53	53	53	41	41	41
	5'	46	46	46	36	37	36
	6'	38	39	38	31	31	31
	7'	32	33	32	26	27	26
	8'	27	28	27	22	23	22
	9'	21	22	21	18	19	18

LUMEN OUTPUT MULTIPLIERS

Color Temperature	CRI	Multiplier	Lumen Package	Multiplier
2700K	80	0.95	800	0.40
3000K	80	1.00	1200	0.61
3500K	80	1.05	1500	0.75
4000K	80	1.10	2000	1.00
2700K	90	0.83		
3000K	90	0.87		