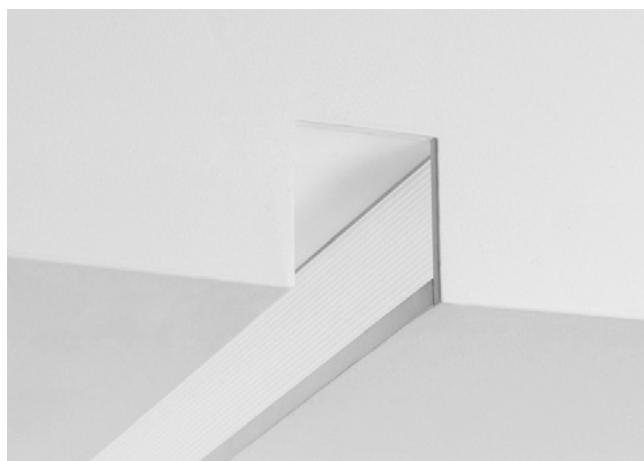




NOTCH 2 - VSI Symmetric - NT2-B

Specification Data



D2 - Drywall Trimless shown with (E) Dado Endcap option



Luminaire	NOTCH 2 - VSI 100 Dn Symmetric (NT2-B)	Type
Project		
Product		
Notes		

Performance Summary	VSI - 100 Down Symmetric	
	C	B
Light (lm)	500	600
Energy (W)	7.25	9.5
Efficacy (lm/W)	68	66
Color Rendering (CRI)	80+	80+
Color Accuracy (SDCM)	< 2	< 2
L70 Estimate (h)	200,000	200,000
Lumen Maintenance per TM21 (@ 60,000 h)	L90	L90

Summary values are nominal and based on 4000K CCT.

SPECIFICATION

NT2	B	OPTIONS										
1	2	3	4	5	6	7	8	9				
1. FAMILY	2. VERSION	3. TRIM / CEILING		4. DISTRIBUTION		5. LIGHT + ENERGY ²		6. CCT				
NT2 VSI 100 Dn	L Linear Row P Pattern PATTERN¹ P0 Square P1 Rectangle P2 2-rows 1-corner P3 3-rows 2-corner P4 4-rows 3-corner P5 5-rows 4-corner	D1 Drywall - Trim Flange D2 Drywall - Trimless D3 Drywall - Drop Radius D4 Drywall - Drop Square G1 Grid - 9/16" or 15/16" Flat-T G1 9/16" Tegular or Bolt-Slot G1 4" Armstrong TechZone® or 4" USG Logix®		B Symmetric		C 500 lm + 7.25w/ft D 600 lm + 9.5w/ft		30 3000 K 35 3500 K 40 4000 K				
7. DRIVER	8. VOLTAGE		9. LENGTH ⁴		OPTIONS							
E1 eldoLED ECO 0-10V Dim 1% E2 eldoLED SOLO 0-10V Dim 0.1% E3 eldoLED ECO DALI 1% E4 eldoLED SOLO DALI Dim 0.1% F1 Factory Non- Dim F2 Factory 0-10V Dim 3% L1 Lutron Hi-Lume 1%-H EcoSystem	M 120 - 277 V 3 347 V ³		XX Drywall - Specify 1ft Increments XX Grid - Specify 2ft Increments LC L Corner (2 ft x 2ft) XN X intersection ⁵ TN T Intersection ⁵		A Alternate Wiring (AV) B Battery Pack ⁶ C Chicago Plenum E Dado Endcap ⁷ F 6' Flex Whip (Standalone Only) K Black Trim and Endcap M EM or NL (2nd neutral) P Capsule Endcap ⁸ T Throughwire Circuit U Throughwire (w / neutral)							

NOTES					
¹ Other pattern options available. See page 4 and/or consult factory.	² Add 1w/ft for 347V with E1-4/L1.	³ 347 V Driver for F1/F2 347 V Transformer & Driver for E1-4 L1.	⁴ Minimum is 2 feet.	⁵ Available in D2 trim option.	⁶ Available for 120-277V in linear 4 or 8 foot.
⁷ Available with D2 trim option. Default option is to install in one end only. Call factory for options.	⁸ Available in D2 and D3 trim options.				

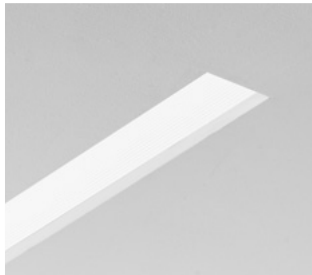
TRIM OPTIONS

TRIM



D1 - Drywall Trim Flange

TRIMLESS



D2 - Drywall Trimless

DROP TRIM



D3 - Drywall Drop Radius

GRID



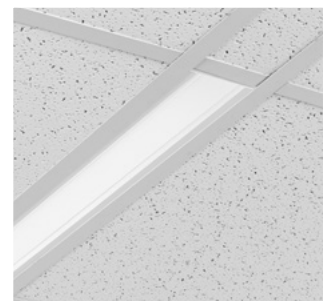
G1 - 9/16" Grid Flat T



OPTIONAL Dado Endcap



D4 - Drywall Drop Square



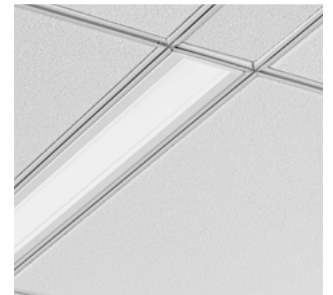
G1 - 15/16" Grid Flat T



OPTIONAL Capsule Endcap



OPTIONAL Capsule Endcap



G1 - 9/16" Tegular | Slot Grid

NOTE: Use **G1** for 4" Armstrong TechZone® or 4" USG Logix®

OPTICAL

- Anidolic optical system with linear light extraction elements
- Precision extruded high transmittance clear acrylic lenses
- Long life LED system designed for TM21 lumen maintenance \geq L90 @ 60,000 h
- Available in CCTs 3000 K, 3500 K or 4000 K with CRI \geq 80 and R9 \geq 0, all with color accurate binning \leq 2 SDCM

CONSTRUCTION

- 20 ga. satin coat steel housing
- Extruded aluminum flange options available for drywall trim, trimless and t-bar grid ceilings

ELECTRICAL

- Integral high efficiency drivers 120 - 277 V or 347 V; 50 - 60 Hz
- Optional Battery Pack
- Optional flex whip: 6' prewired for standalone
- Surge Protection: Meets ANSI C82.11 spec and ANSI/IEEE C62.41
- Inrush Current: Meets NEMA 410

ENVIRONMENTAL

- Designed for use in damp or dry indoor environments with room side operating temperatures of 0 - 30° C (32 - 86° F)

WARRANTY

- 5 year limited warranty on all components and workmanship

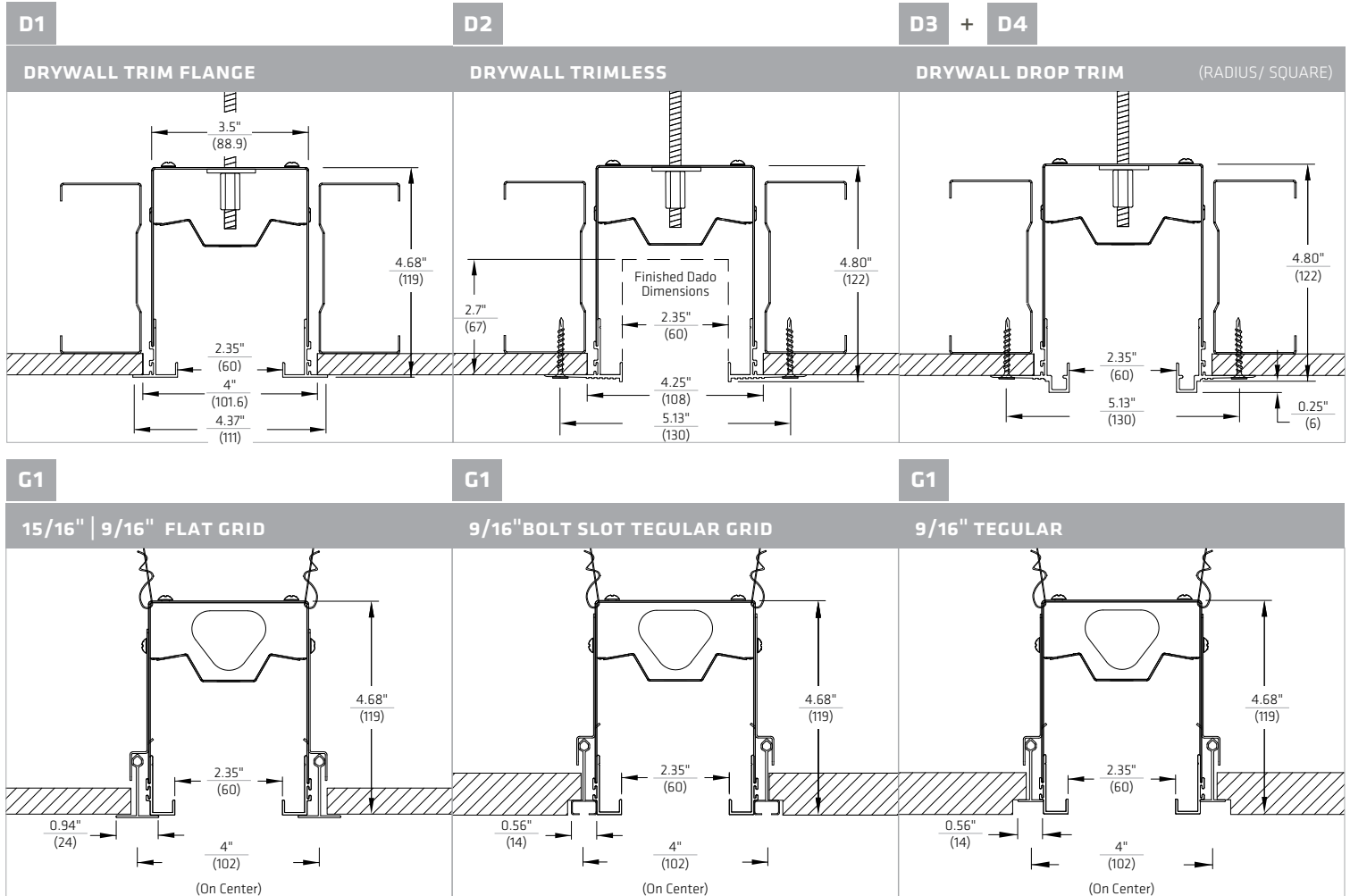
INDEPENDENT TESTING

- IESNA LM79
- IESNA LM80 (LED@ 10,000 h)

APPROVALS

- UL Listed (USA + Canada)
- CCEA Chicago Plenum
- Lighting Facts®
- IC Rated

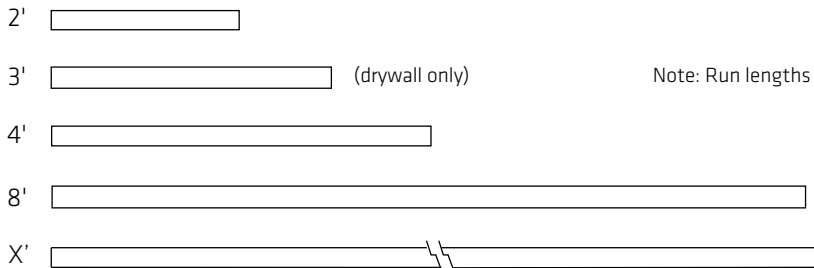
DIMENSIONS ^{inches}
(mm)



Grid (G1) is compatible with 4" Armstrong TechZone® and 4" USG Logix® Ceiling Systems

CONTINUOUS ROWS + STANDALONE FIXTURES

Continuous rows are available in nominal 1' increments in drywall ceilings and in 2' increments on-grid for T-bar ceilings. Standalone fixtures are available in 2', 3', 4', or 8' sizes.

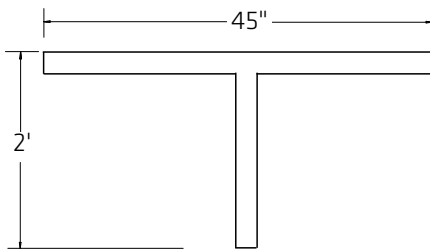


Note: Run lengths are nominal and vary with ceiling condition and trim selections.

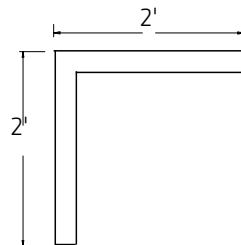
INTERSECTING FIXTURES

Intersecting sections can be used as standalone fixtures or combined with rows to create illuminated ceiling designs and patterns of light in limitless combinations.

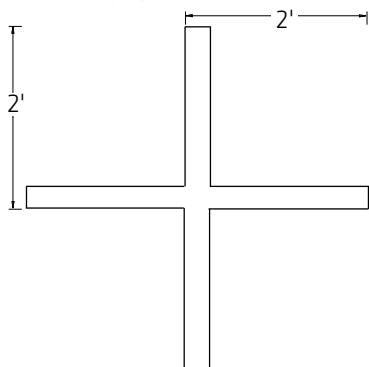
T-INTERSECTION (TN) - CEILING ONLY



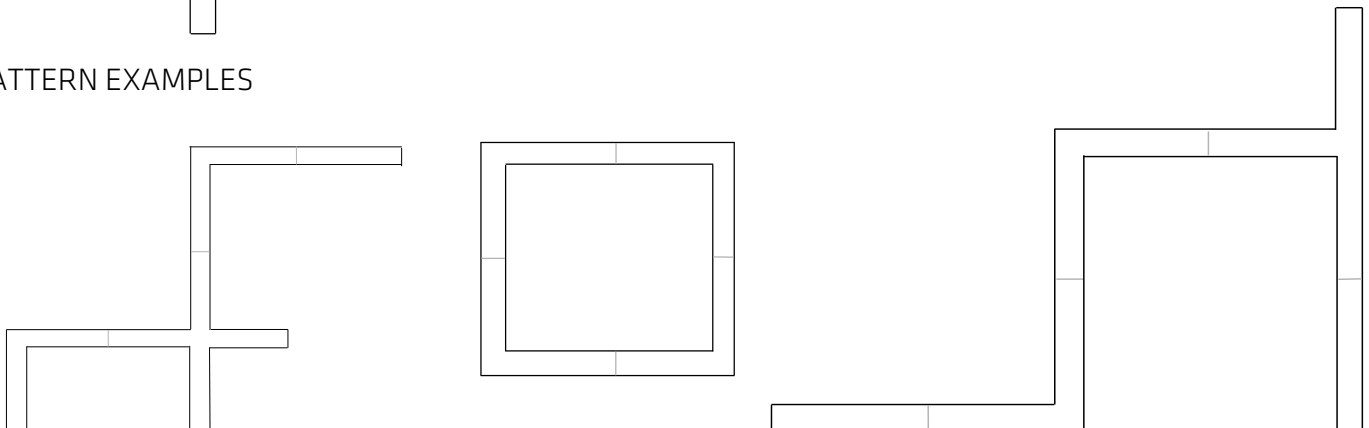
CORNER (LC) - WALL OR CEILING



X-INTERSECTION (XN) - CEILING ONLY



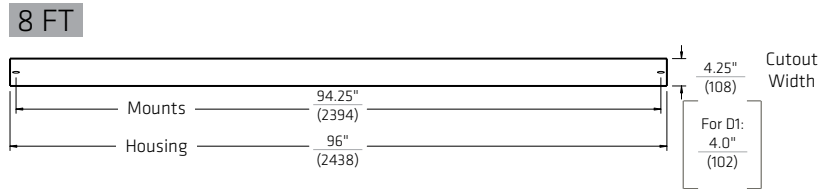
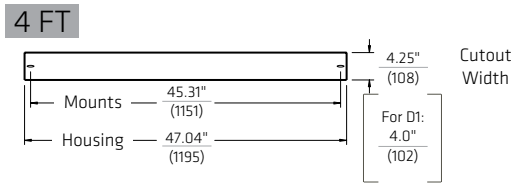
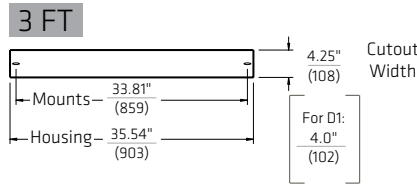
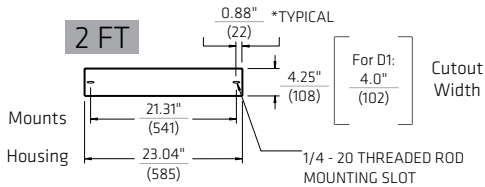
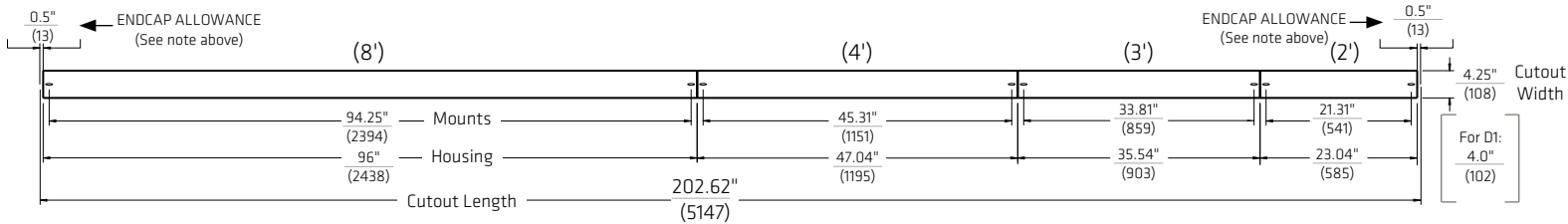
PATTERN EXAMPLES



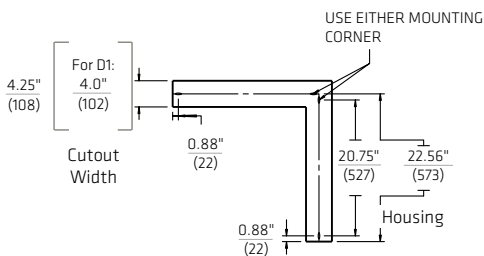
DRYWALL CUT OUT DIMENSIONS inches (mm)

To determine the overall drywall ceiling cutout length, add an endcap allowance to each end of a straight run, or final leg of an open pattern, as follows: standard flat endcap (D1-D4) - 1/2"; Capsule endcap - 1-3/4"; Dado endcap - 3/16". For corner legs of a pattern, DO NOT add an endcap allowance. Instead, use centerline dimensions and the relevant cutout width for your trim to determine the opening.

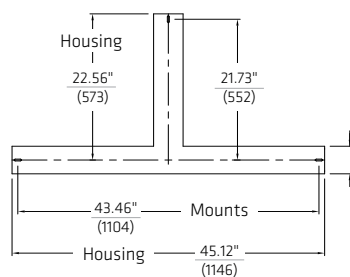
Example of a drywall cutout for a 17' run



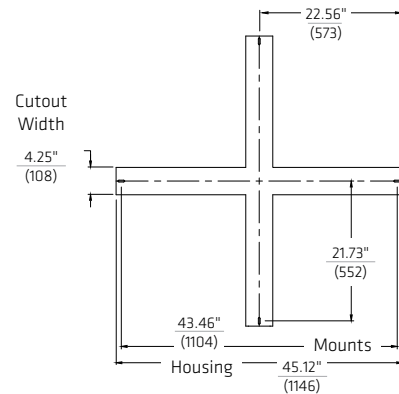
CORNER



T - INTERSECTION



X - INTERSECTION



INSTALLATION NOTES:

- Cutout dimensions apply to all drywall trim options.
- For patterns, squares and rectangles, use centerline dimensions with trim cutout width to determine the opening.
- A minimum depth of 5" above ceiling plane or behind wall plane is required.
- Threaded rod or lag bolt mounting is required for ceiling installations only:
 - Ensure 1/4" - 20 threaded rod length is cut between 3.25" - 4.25" above finished ceiling plane
 - 2 threaded rods required for each linear housing (3 for Corner and T's, 4 for X housing).

Light + Energy	C - 500 lm + 7.25w/ft	Description	Performance Summary					Light (lm)	Energy (W)	Efficacy (lm/W)	Color Accuracy		
Version	NT2-BC40	4ft luminaire 100 Dn A Lumens CCT 4000 K	CCT Color Temperature	4000 K	1904	28.17	67.6	83.5	11.4	< 2			
Report	11596156.11			3500 K	1877	28.17	66.6	83.5	11.4	< 2			
				3000 K	1850	28.17	65.7	82	4.7	< 2			

100% Dn

CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle				Zonal Lumens
	0°	22.5°	45°	67.5°	90°
0°	140	140	140	140	140
5°	137	171	232	287	309
15°	127	336	678	938	1023
25°	111	542	1102	1232	1173
35°	92	688	978	594	506
45°	75	694	452	329	318
55°	63	519	267	238	234
65°	54	306	172	159	155
75°	45	124	92	86	84
85°	30	29	18	17	26
90°					
95°					
105°					
115°					
125°					
135°					
145°					
155°					
165°					
175°					
180°					

LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0-30°	606	N.A.	32
0-60°	1596	N.A.	84
0-90°	1904	N.A.	100
90-180°	0	N.A.	0
Total Luminaire	1904	N.A.	100

LUMINANCE DATA (CD/M²)

Vertical Angle	0°	45°	90°
45°	1549	9339	6557
55°	1601	6808	5960
65°	1866	5954	5363
75°	2539	5213	4740
85°	4943	3049	2899

CO-EFFICIENTS OF UTILIZATION

Floor	80				70				20					
Ceiling	70	50	30	10	70	50	30	10	50	30	10	0		
Wall	70	50	30	10	70	50	30	10	50	30	10	0		
0	119	119	119	119	116	116	116	111	111	106	106	102	102	100
1	110	105	101	98	107	103	96	99	93	95	90	91	87	85
2	100	93	86	81	98	91	80	87	78	84	76	81	74	72
3	92	82	74	68	89	80	67	77	66	75	65	72	64	62
4	84	73	65	58	82	72	58	69	57	67	56	65	55	53
5	78	65	57	50	76	64	50	62	50	60	49	58	48	46
6	72	59	50	44	70	58	44	56	44	55	43	53	43	41
7	67	54	45	39	65	53	39	51	39	50	38	48	38	36
8	62	49	40	35	60	48	35	47	34	46	34	44	34	32
9	58	45	37	31	56	44	31	43	31	42	31	41	31	29
10	54	41	33	28	53	41	28	40	28	39	28	38	28	26

Integrating Sphere and Photometric results at 4000K by an independent accredited testing laboratory per IES LM-79-2008 and ANSI C78.377-2011. Results for 3000K, 3500K scaled based on integrating sphere results at 38W (D). Candlepower Distribution scaled per total lumens of Integrating Sphere results.

Light + Energy	B - 600 lm + 9.5w/ft	Description	Performance Summary					Light (lm)	Energy (W)	Efficacy (lm/W)	Color Accuracy		
Version	NT2-BD40	4ft luminaire 100 Dn, B Lumens CCT 4000 K	CCT Color Temperature	4000 K	2483	37.87	65.6	83.5	11.4	< 2			
Report	11596156.12			3500 K	2448	37.87	64.6	83.5	11.4	< 2			
				3000 K	2413	37.81	63.8	82	4.7	< 2			

100% Dn

CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle				Zonal Lumens
	0°	22.5°	45°	67.5°	90°
0°	183	183	183	183	183
5°	178	223	302	374	403
15°	166	438	885	1223	1334
25°	144	707	1437	1606	1529
35°	120	897	1275	775	660
45°	98	905	590	429	414
55°	82	677	349	311	305
65°	70	399	225	207	202
75°	59	162	121	112	110
85°	38	38	24	23	23
90°					
95°					
105°					
115°					
125°					
135°					
145°					
155°					
165°					
175°					
180°					

LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0-30°	791	N.A.	32
0-60°	2081	N.A.	84
0-90°	2483	N.A.	100
90-180°	0	N.A.	0
Total Luminaire	2483	N.A.	100

LUMINANCE DATA (CD/M²)

Vertical Angle	0°	45°	90°
45°	2020	12179	8550
55°	2090	8878	7773
65°	2433	7764	6994
75°	3312	6799	6178
85°	6434	3988	3770

CO-EFFICIENTS OF UTILIZATION

Floor	80				70				20					
Ceiling	70	50	30	10	70	50	30	10	50	30	10	0		
Wall	70	50	30	10	70	50	30	10	50	30	10	0		
0	119	119	119	119	116	116	116	111	111	106	106	102	102	100
1	110	105	101	98	107	103	96	99	93	95	90	91	87	85
2	100	93	86	81	98	91	80	87	78	84	76	81	74	72
3	92	82	74	68	89	80	67	77	66	75	65	72	64	62
4	84	73	65	58	82	72	58	69	57	67	56	65	55	53
5	78	65	57	50	76	64	50	62	50	60	49	58	48	46
6	72	59	50	44	70	58	44	56	44	55	43	53	43	41
7	67	54	45	39	65	53	39	51	39	50	38	48	38	36
8	62	49	40	35	60	48	35	47	34	46	34	44	34	32
9	58	45	37	31	56	44	31	43	31	42	31	41	31	29
10	54	41	33	28	53	41	28	40	28	39	28	38	28	26