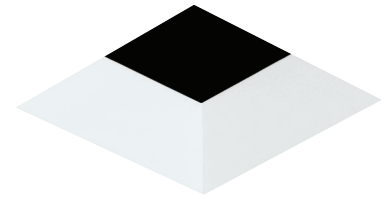


# ELEMENT™ 3" LED

## FIXED DOWNLIGHT



SHOWN IN FLANGELESS BEVEL SQUARE

The ELEMENT 3" Next Generation Fixed recessed downlight features a patented high/low lamp positioning which allows the LED to be positioned closer to the aperture for maximum light output and efficiency or higher in the ceiling to minimize glare and flash on the trim. LED options include premium Warm Dimming, Tunable White, Xicato and Xicato Artist Series. Trim options include Flanged or Flangeless and Flangeless in Wood Ceiling.

- Housing reduced by 60%
- Patented high/low lamp positioning
- 2-step standard
- Standard phase dimming down to 1%
- Trim reflector options
- Solite Soft Focus lens option

### LUMEN MULTIPLIER (CRI/CCT)

CCT	80 CRI MULTIPLIER	90 CRI MULTIPLIER
2700K	0.95	0.80
3000K	1.00	0.85
3500K	1.05	0.90

Lumen output will vary by CCT and CRI.  
See photometric charts for output information.

### SPECIFICATIONS

	STATIC WHITE		XICATO		WARM DIM		TUNABLE WHITE	
	HIGH OUTPUT	LOW OUTPUT	STANDARD SERIES	ARTIST SERIES	HIGH OUTPUT	LOW OUTPUT	HIGH OUTPUT (5000K)	HIGH OUTPUT (4000K)
DELIVERED LUMENS	1800/1450	1319/1124	1129	945	1300	900	1272	1150
WATTS	17	12	15	15	17	12	18	18
EFFICACY	106/85	110/94	75	63	76	75	72	64
CRI	80+/90+		80+	95+	90+		90+	
CBCP	10° - 19,414   18° - 5,848 25° - 5,416   40° - 3,230 60° - 2,305		21° - 3,184 43° - 2,733 60° - 1,014		18° - N/A   25° - N/A   40° - 1,622   60° - N/A			
CCT OPTIONS	2700K, 3000K or 3500K		2700K, 3000K or 3500K <sup>3</sup>		3000K - 1800K		5000K - 2700K	4000K - 1800K
COLOR CONSISTENCY	2-step		1 X 2-step		3-step		2-step	
VOLTAGE	120V or 277V							
DIMMING <sup>1</sup>	Standard phase and 0-10V dimming (down to 1%)   Lutron Hi-lume EcoSystem (down to 0.1%) Lutron Hi-lume 2-Wire (down to 1%)   eldoLED 0-10V or Dali (down to 0.1%)						eldoLED 0-10V or Dali (down to 0.1%)	
POWER SUPPLY	Constant current driver with +.9 power factor and +80% efficiency							
OPTICS	Field changeable: 10°, 18°, 25°, 40°, 60° TIR		Field changeable: 21°, 43°, 60° Reflector		Field changeable: 18°, 25°, 40°, 60° TIR			
ADJUSTABILITY	High/low lamp positioning; 45° collar rotation							
CEILING APPEARANCE	Flanged, Flangeless or Flangeless in Wood Ceiling							
CEILING THICKNESS	Flanged: Up to 2-1/2" Flangeless: No ceiling thickness limitations Flangeless in Wood Ceiling: 1/2" to 2" Note: Thicker ceilings impact light cutoff							
CEILING APERTURE	3-7/8" ceiling cutout							
HOUSING	IC Airtight, Non-IC Airtight, Chicago Plenum. IC suitable up to R60 spray foam insulation. Sauna/Steam-room use available only with combination of H Shower trim, LO Low Output housing, and I IC housing rating.							
CONSTRUCTION	Housing: Heavy-Gauge, Cold-Rolled Steel Trim: Die-Cast Aluminum							
FINISH	Housing: Black Powder Coat Trim: Antique Bronze, Black, Satin Nickel, White (paintable)							
GENERAL LISTING	ETL listed. Damp listed. Shower version Wet listed.							
CALIFORNIA TITLE 24	Registered CEC Appliance Database. Can be used to comply with CEC 2019 Title 24 part 6 (JA8-2016, JA8-2019) (for 90 CRI versions).							
L70	50,000 hours min							
WARRANTY <sup>2</sup>	5 years							

Data in chart reflect 3000K/80 CRI values unless noted.  
Custom Output/Custom RAL/Custom CCT available. Contact Quotes Department

**Ordering grids available on page 2.**

Accepts two optical controls and an optional trim-mounted lens.

<sup>1</sup>See ELEMENT-Lighting.com for dimmer compatibility.

<sup>2</sup>Visit ELEMENT-Lighting.com for specific warranty limitations and details.

<sup>3</sup>3500K Xicato module not available for Artist series.

# ELEMENT™ 3" LED

## FIXED DOWNLIGHT

### ORDERING GRIDS

#### HOUSING

PRODUCT	CEILING APPEARANCE	OUTPUT	LAMP	BEAM SPREAD	FUNCTION	HOUSING RATING	DRIVER
<b>E3R</b> ELEMENT 3" ROUND	<b>LF</b> FLANGELESS <b>FF</b> FLANGED	<b>-LH</b> HIGH OUTPUT, 17W <sup>2</sup> <b>-LO</b> LOW OUTPUT, 12W <sup>3</sup>	<b>827</b> 80 CRI, 2700K, 2-STEP <b>830</b> 80 CRI, 3000K, 2-STEP <b>835</b> 80 CRI, 3500K, 2-STEP <b>927</b> 90 CRI, 2700K, 2-STEP <b>930</b> 90 CRI, 3000K, 2-STEP <b>935</b> 90 CRI, 3500K, 2-STEP <b>WD</b> 90 CRI, 3000-1800K, WARM DIM, 3-STEP <b>TW52</b> 90 CRI, 5000K-2700K, TUNABLE WHITE, 2-STEP <sup>4</sup> <b>TW41</b> 90 CRI, 4000K-1800K, TUNABLE WHITE, 2-STEP <sup>4</sup>	<b>0</b> 10° <sup>5</sup> <b>1</b> 18° <b>2</b> 25° <b>4</b> 40° <b>6</b> 60°	<b>D</b> DOWNLIGHT	<b>I</b> IC AIRTIGHT <b>N</b> NON-IC AIRTIGHT <b>C</b> CHICAGO PLENUM	<b>INTEGRATED DRIVERS 120V/277V</b> UNIVERSAL PHASE/0-10V 1% (LEAVE BLANK) <b>-ELDO</b> ELDOLED 0.1% 0-10V LINEAR <sup>6</sup> <b>-ELDOA</b> ELDOLED 0.1% 0-10V LOGARITHMIC <sup>6</sup> <b>-ELDD</b> ELDOLED 0.1% DALI <sup>6</sup> <b>-ELTO</b> ELDOLED TUNABLE WHITE 0.1% 0-10V LINEAR <sup>4,6</sup> <b>-ELTD</b> ELDOLED TUNABLE WHITE 0.1% DALI <sup>4,6</sup> <b>-HLECO</b> LUTRON HI-LUME 0.1% ECOSYSTEM  <b>INTEGRATED DRIVERS 120V</b> <b>-HL2W</b> LUTRON HI-LUME 1% 2-WIRE <sup>6</sup>
<b>E3S</b> ELEMENT 3" SQUARE	<b>WC</b> WOOD CEILING <sup>1</sup>	<b>-X</b> XICATO, HIGH OUTPUT, 14W <sup>7</sup>	<b>I27</b> 80 CRI, 2700K, 1X2-STEP, XICATO <b>I30</b> 80 CRI, 3000K, 1X2-STEP, XICATO <b>I35</b> 80 CRI, 3500K, 1X2-STEP, XICATO <b>A27</b> 95 CRI, 2700K, 1X2-STEP, XICATO ARTIST <b>A30</b> 95 CRI, 3000K, 1X2-STEP, XICATO ARTIST	<b>21</b> 21° XICATO <b>43</b> 43° XICATO <b>60</b> 60° XICATO			

Trims are required and must be ordered separately.

For dimming details, refer to Dimmer Compatibility Chart.

<sup>1</sup>WC - Wood Ceiling option accommodates Flangeless trims only.

<sup>2</sup>LH - High Output available for Wet applications. Not available for Sauna/Steam-room.

<sup>3</sup>LO - Sauna/Steam-room use available only with combination of H Shower trim, LO Low Output housing, and I IC housing rating.

<sup>4</sup>TW52/TW41/ELTO/ELTD - Tunable White only available in High Output, only available with ELTO (0-10V, linear), or ELTD (DALI). For 0-10V logarithmic dimming consult Quotes Department.

<sup>5</sup>0 - 10° optic has a unique LED module not available with Warm Dim or Tunable White. Changing optics to 18°, 25°, 40° or 60°, will require a new LED module.

<sup>6</sup>Lutron Hi-lume and eldoLED drivers not compatible with Round Flangeless (E3RLF) or Round Wood Ceiling (E3RWC) housings.

<sup>7</sup>X - XICATO housings utilize dedicated Standard Phase, 0-10V, 120V and 277V drivers. If ordering Xicato with Standard Drivers (non-Lutron or eldoLED), at the end of the item number please specify:

**-010** for 0-10V 120V, **-277** for Phase 277V or **-010-277** for 0-10V 277. For example: E3RLF-XA2743DI-010 or E3RLF-XA2743DI-277 or E3RLF-XA2743DI-010-277.

#### TRIM

PRODUCT	CEILING APPEARANCE	STYLE	APERTURE	FINISH
<b>E3R</b> ELEMENT 3" ROUND	<b>L</b> FLANGELESS	<b>B</b> BEVEL	<b>-O</b> NO LENS	<b>Z</b> ANTIQUE BRONZE
<b>E3S</b> ELEMENT 3" SQUARE	<b>F</b> FLANGED UP TO 1" CEILING THICKNESS <b>F15</b> FLANGED 1.1"-1.5" CEILING THICKNESS <b>F20</b> FLANGED 1.6"-2.0" CEILING THICKNESS <b>F25</b> FLANGED 2.1"-2.5" CEILING THICKNESS	<b>F</b> FLAT	<b>-H</b> SHOWER <sup>1</sup> <b>-L</b> LENSED	<b>B</b> BLACK <b>S</b> SATIN NICKEL <b>W</b> WHITE

Wood Ceiling option accommodates Flangeless trims only.

<sup>1</sup>H - Sauna/Steam-room use available only with combination of H Shower trim, LO Low Output housing, and I IC housing rating.

#### REPLACEMENT OPTICS

PRODUCT	BEAM SPREAD
<b>353E4LEDCOPT</b>	<b>18</b> 18° <b>25</b> 25° <b>40</b> 40° <b>60</b> 60°

#### **353E4LEDCOPT**

#### REPLACEMENT REFLECTORS<sup>1</sup>

PRODUCT	BEAM SPREAD
<b>352LEDXREF</b>	<b>21</b> 21° <b>43</b> 43° <b>60</b> 60°

#### **352LEDXREF**

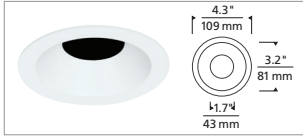
<sup>1</sup>For use with Xicato modules only.

# ELEMENT™ 3" LED

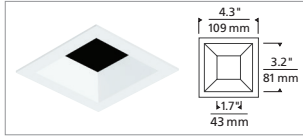
## FIXED DOWNLIGHT

TRIMS

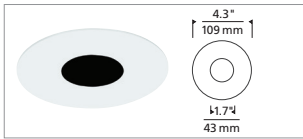
FLANGED



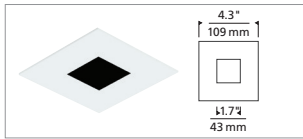
ROUND BEVEL



SQUARE BEVEL

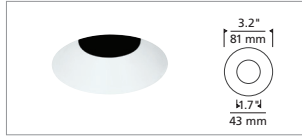


ROUND FLAT

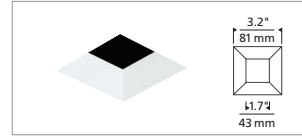


SQUARE FLAT

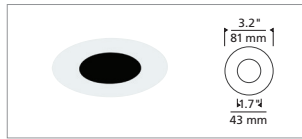
FLANGELESS



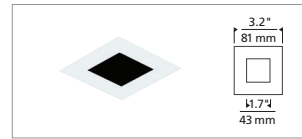
ROUND BEVEL



SQUARE BEVEL



ROUND FLAT



SQUARE FLAT

FINISH



ANTIQUE BRONZE



BLACK



SATIN NICKEL

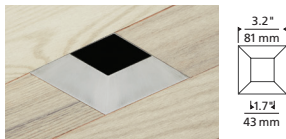


WHITE (PAINTABLE)

FLANGELESS IN WOOD CEILING



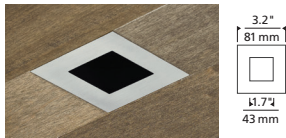
ROUND BEVEL (ANTIQUE BRONZE)



SQUARE BEVEL (SATIN NICKEL)



ROUND FLAT (ANTIQUE BRONZE)



SQUARE FLAT (SATIN NICKEL)

LENS OPTION

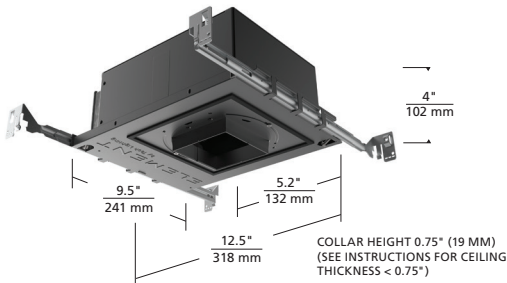


SHOWN WITH AND WITHOUT A LENS (SQUARE FLANGED BEVEL)



SHOWN WITH AND WITHOUT A LENS (ROUND FLANGELESS BEVEL)

HOUSING

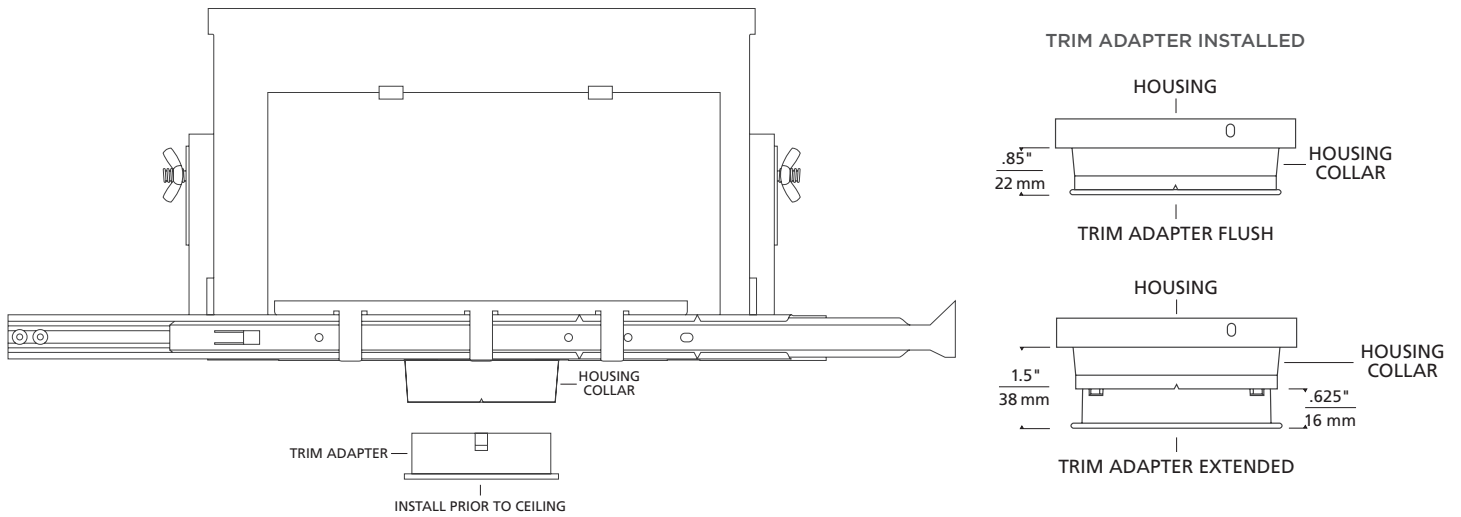


IC AIRTIGHT / NON-IC AIRTIGHT / CHICAGO PLENUM

# ELEMENT™ 3" LED

## FIXED DOWNLIGHT

### FLANGELESS IN WOOD CEILING TRIM ADAPTER



Wood Ceiling housings ("WC" designation in the ordering grid) ship with an adjustable trim adapter that inserts into the housing aperture and allows standard ELEMENT 3" Flangeless trims to achieve a truly flangeless, flush ceiling appearance in special applications such as wood or stone installation. For use in new construction. Consult installation instructions regarding plenum requirements and ceiling thickness ratios.

















# ELEMENT™ 3" LED FIXED DOWNLIGHT

## TRIM-MOUNTED REFLECTORS

ELEMENT Specular Reflectors reduce glare while creating a clean, quiet ceiling appearance. Available finishes include Anodized Gold and Silver for a decorative accent or Anodized Black for an ultimate quiet ceiling aesthetic. These beautiful trim accessories have been specifically designed to minimize any effect on light performance, color and output. Specular Reflectors are available for both Adjustable and Fixed downlights and are compatible with ELEMENT 3" trims and housings.

- Can be easily installed or removed
- Assembles to existing trim
- Compatible with Fixed and Adjustable Housings
- Finish Options: Anodized Gold (G), Anodized Black (B) or Anodized Silver (S)

### SPECIFICATIONS

COMPATIBLE TRIMS		NON-SLOTTED (FOR FIXED)	
	3" round, flanged, bevel		<b>E3TREFNS1</b> (B, G, S)
	3" square, flanged, bevel		<b>E3TREFNS5</b> (B, G, S)
	3" round, flanged, flat		<b>E3TREFNS1</b> (B, G, S)
	3" square, flanged, flat		<b>E3TREFNS3</b> (B, G, S)
	3" round, flangeless, bevel		<b>E3TREFNS2</b> (B, G, S)
	3" square, flangeless, bevel		<b>E3TREFNS6</b> (B, G, S)
	3" round, flangeless, flat		<b>E3TREFNS4</b> (B, G, S)
	3" square, flangeless, flat		<b>E3TREFNS3</b> (B, G, S)

May require lamp to be placed in high position.  
Not compatible with lensed trims.

### ORDERING GRID

#### E3 TRIM-MOUNTED REFLECTORS

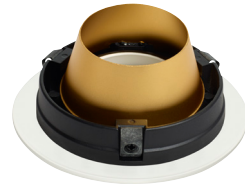
PRODUCT	STYLE	FINISH
<b>E3TREF</b>	<b>NS1</b> NON-SLOTTED	<b>B</b> ANODIZED BLACK
	<b>NS2</b> NON-SLOTTED	<b>G</b> ANODIZED GOLD
	<b>NS3</b> NON-SLOTTED	<b>S</b> ANODIZED SILVER
	<b>NS4</b> NON-SLOTTED	
	<b>NS5</b> NON-SLOTTED	
	<b>NS6</b> NON-SLOTTED	

#### E3TREF

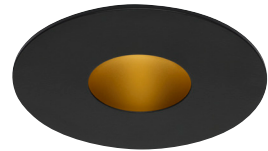
Reflectors are placed on top of the inside of the trim or affixed via screws (only if provided).



SHOWN IN ANODIZED BLACK  
(REFLECTOR ONLY)



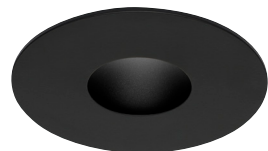
SHOWN IN ANODIZED GOLD  
(TRIM MOUNTED)



SHOWN IN ANODIZED GOLD  
(BELOW CEILING VIEW)



SHOWN IN ANODIZED SILVER  
(BELOW CEILING VIEW)



SHOWN IN ANODIZED BLACK  
(BELOW CEILING VIEW)

# ELEMENT™ 3" LED

## FIXED DOWNLIGHT

PHOTOMETRICS

Description: 3" LED Module  
10° Beam - 0° Tilt,  
80 CRI, 3000K

Model: E3 Citizen LED

Input Power (Watts): 16.3

Input Power Factor: 0.98

Absolute Luminous  
Flux (Lumens): 1337

Lumen Efficacy  
(Lumens per Watt): 82

Output difference between CCTs - 5%, CRIs - 15%.

Description: 3" LED Module  
18° Beam - 0° Tilt,  
80 CRI, 3000K

Model: E3 Citizen LED

Input Power (Watts): 18.1

Input Power Factor: 0.98

Absolute Luminous  
Flux (Lumens): 1598

Lumen Efficacy  
(Lumens per Watt): 88.1

Description: 3" LED Module  
25° Beam - 0° Tilt,  
80 CRI, 3000K

Model: E3 Citizen LED

Input Power (Watts): 18.3

Input Power Factor: 0.98

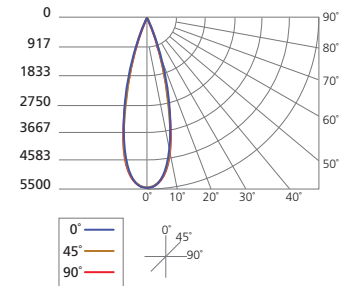
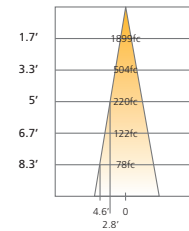
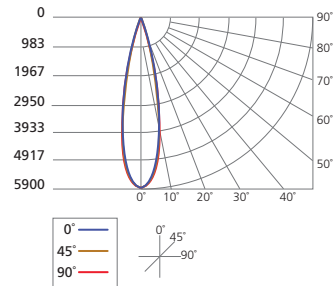
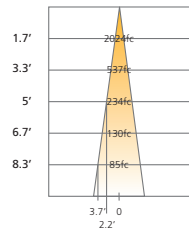
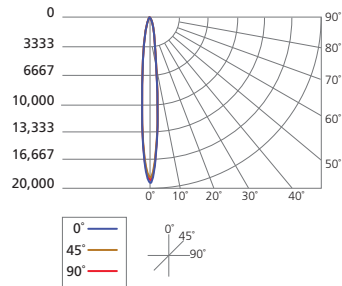
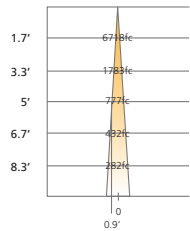
Absolute Luminous  
Flux (Lumens): 1754

Lumen Efficacy  
(Lumens per Watt): 95.5

ANGLE	0°	45°	90°
0°	19414	19414	19414
5°	10254	10254	10254
10°	3511	3511	3511
15°	1342	1342	1342
20°	383	383	383
25°	126	126	126
30°	84	84	84
35°	54	54	54
40°	31	31	31
45°	22	22	22
50°	18	18	18
55°	11	11	11
60°	6	6	6
65°	3	3	3
70°	2	2	2
75°	0	0	0
80°	0	0	0
85°	0	0	0
90°	0	0	0

ANGLE	0°	45°	90°
0°	5848	5848	5848
5°	5500	5478	5491
10°	3919	3944	3905
15°	2103	2212	2149
20°	1058	1199	1075
25°	507	548	508
30°	250	237	250
35°	148	140	141
40°	93	98	94
45°	51	69	61
50°	33	46	37
55°	21	27	24
60°	4	15	10
65°	2	3	2
70°	2	2	2
75°	0	0	0
80°	0	0	0
85°	0	0	0
90°	0	0	0

ANGLE	0°	45°	90°
0°	5422	5416	5427
5°	4916	4872	4888
10°	3800	3718	3721
15°	2040	2115	2016
20°	870	979	900
25°	400	441	414
30°	190	190	196
35°	103	103	105
40°	60	65	61
45°	27	43	31
50°	16	25	17
55°	7	12	7
60°	2	5	2
65°	2	2	2
70°	1	1	2
75°	0	0	0
80°	0	0	0
85°	0	0	0
90°	0	0	0



# ELEMENT™ 3" LED

## FIXED DOWNLIGHT

PHOTOMETRICS

Description: 3" LED Module  
40° Beam - 0° Tilt,  
80 CRI, 3000K

Model: E3 Citizen LED

Input Power (Watts): 16.9

Input Power Factor: 0.98

Absolute Luminous  
Flux (Lumens): 1774

Lumen Efficacy  
(Lumens per Watt): 104.6

Output difference between CCTs - 5%, CRIs - 15%.

Description: 3" LED Module  
60° Beam - 0° Tilt,  
80 CRI, 3000K

Model: E3 Citizen LED

Input Power (Watts): 18.4

Input Power Factor: 0.98

Absolute Luminous  
Flux (Lumens): 1536

Lumen Efficacy  
(Lumens per Watt): 83.5

ANGLE	0°	45°	90°
0°	3230	3230	3230
5°	3107	3126	3159
10°	2824	2830	2871
15°	2415	2407	2463
20°	1863	1866	1937
25°	1111	1125	1128
30°	490	521	479
35°	221	232	205
40°	115	114	110
45°	65	64	59
50°	30	38	22
55°	14	22	11
60°	6	9	4
65°	1	3	1
70°	1	1	1
75°	1	1	1
80°	0	0	0
85°	0	0	0
90°	0	0	0

ANGLE	0°	45°	90°
0°	2305	2305	2305
5°	2313	2298	2268
10°	2295	2248	2155
15°	2219	2116	1938
20°	1964	1876	1714
25°	1548	1544	1330
30°	1113	1176	1013
35°	749	835	704
40°	450	511	428
45°	230	283	221
50°	94	140	91
55°	38	69	35
60°	18	31	16
65°	8	13	6
70°	0	4	0
75°	0	0	0
80°	0	0	0
85°	0	0	0
90°	0	0	0

