

Residential & Light Commercial



2" Housing & LED Light Engines

The Alder System



ELCO Lighting

The Best Choice in Lighting

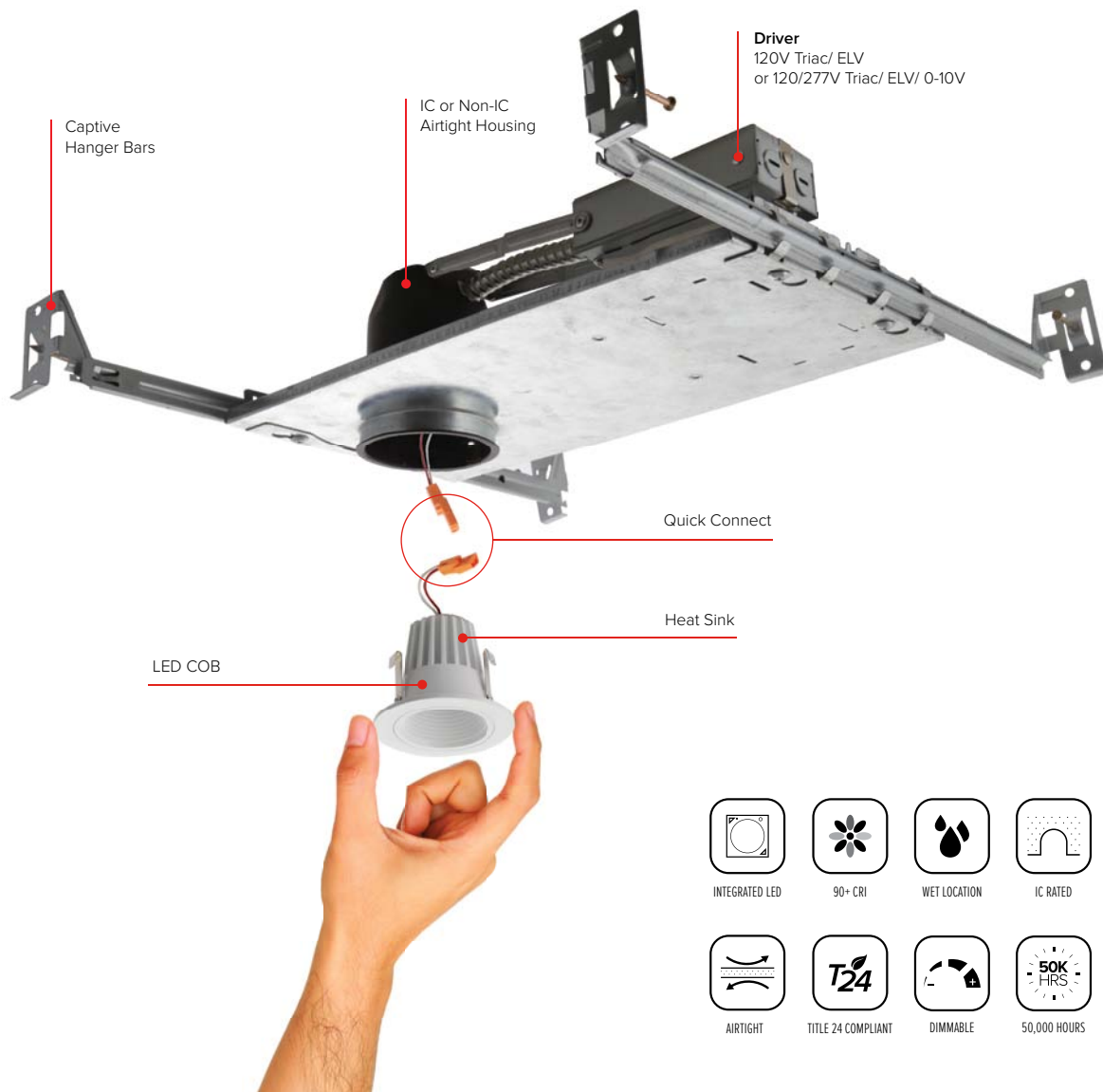


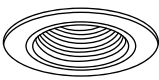
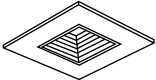
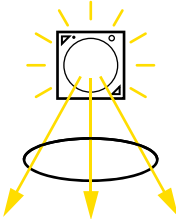

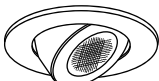
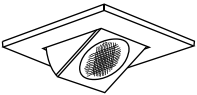
2" Alder System

Our 2" LED downlights bring a simple charm to any room. Tucked neatly into the ceiling, these round or square fixtures are designed to spotlight an area of the Wall, the floor, or anything in between. They are style and sophistication combined with the most energy-efficient technology around, providing long life, cool operation, and vivid illumination.

The Alder System

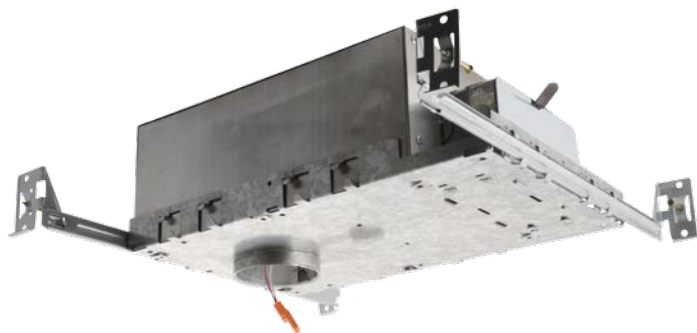
2" Housings & LED Light Engines



ALDER SYSTEM	STYLES	LUMENS	COLOR TEMPERATURE
HIGHTECH	 Round  Square		
STANDARDLUMEN	 Round Adjustable  Square Adjustable	650 lm to 1100 lm	2700K & 4000K

2" IC Airtight **New Construction** Housings

Housing with quick connect for easy light engine installation



E2LC106ICA



IC RATED

2" IC Airtight New Construction Housing

- Double Wall IC rated for use in insulated ceilings
- UL Listed for direct contact with insulation
- Captive hangerbars span 24", can be repositioned at 90°
- Meets restricted airflow requirements (per ASTM E-283)
- Height allows for use in 2x6 Construction
- Driver included on housing
- California Title 24 Compliant as high efficacy luminaire
- LED Light Engine sold separately
- Patent pending

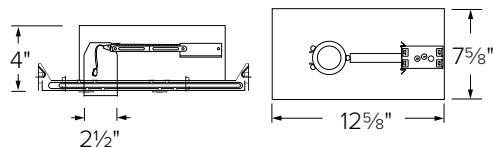
Input Power 9W

Input Voltage 120V

Wet Location UL listed

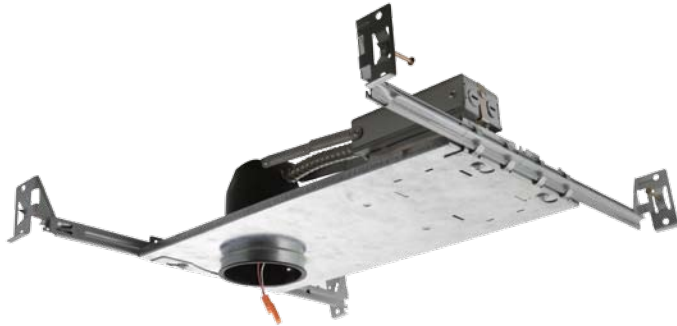
Feed Through UL listed

Dimmable Triac/ELV



2" IC Airtight Housings

Housing with quick connect for easy light engine installation



E2LC175ICA



IC RATED



E2LC175RICA



IC RATED

* Patent pending

2" New Construction Housing

- Single Wall IC
- UL Listed for direct contact with insulation
- Meets restricted airflow requirements (per ASTM E-283)
- Height allows for use in 2x4 Construction
- Captive hangerbars span 24", can be repositioned at 90°
- Driver included on housing
- California Title 24 Compliant as high efficacy luminaire
- LED Light Engine sold separately
- Patent pending

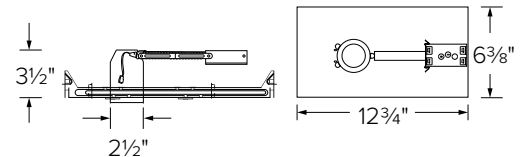
Input Power 9W

Input Voltage 120V

Wet Location UL listed

Feed Through UL listed

Dimmable Triac/ELV



2" Remodel Housing

- Single Wall IC
- UL Listed for direct contact with insulation
- Meets restricted airflow requirements (per ASTM E-283)
- Height allows for use in 2x4 Construction
- Flexi-joint allows for easy installation and solid supporter
- Driver included on housing
- California Title 24 Compliant as high efficacy luminaire
- LED Light Engine sold separately
- Patent pending

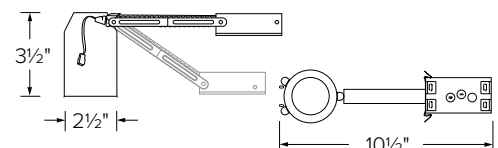
Input Power 9W

Input Voltage 120V

Wet Location UL listed

Feed Through UL listed

Dimmable Triac/ELV



2" Non-IC Airtight Housings

Housing with quick connect for easy light engine installation



E2LC106

2" New Construction Housing

- Meets restricted airflow requirements (per ASTM E-283)
- Height allows for use in 2x4 Construction
- Captive hangerbars span 24", can be repositioned at 90°
- Driver included on housing
- California Title 24 Compliant as high efficacy luminaire
- LED Light Engine sold separately

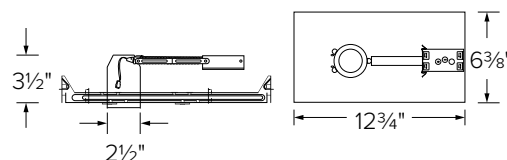
Input Power 9W

Input Voltage 120V

Wet Location UL listed

Feed Through UL listed

Dimmable Triac/ELV



E2LRC106

2" Remodel Housing

- Meets restricted airflow requirements (per ASTM E-283)
- Height allows for use in 2x4 Construction
- Flexi-joint allows for easy installation and solid supporter
- Driver included on housing
- California Title 24 Compliant as high efficacy luminaire
- LED Light Engine sold separately

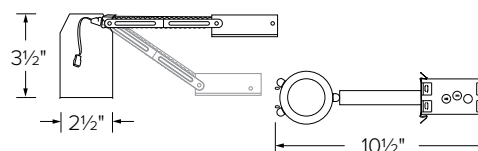
Input Power 9W

Input Voltage 120V

Wet Location UL listed

Feed Through UL listed

Dimmable Triac/ELV



2" Round LED Light Engines

The diminutive lighting solution that provides smooth and even lumen distribution

For use with E2LC106ICA, E2LC175ICA, E2LC175RICA, E2LC106, E2LRC106, housings.



E210C0627W

600 lm
2700K
9W

E210C0630W

640 lm
3000K
9W

E210C0727W

800 lm
2700K
9W

E210C0730W

840 lm
3000K
9W



E214C0627W

600 lm
2700K
9W

E214C0630W

640 lm
3000K
9W

E214C0727W

800 lm
2700K
9W

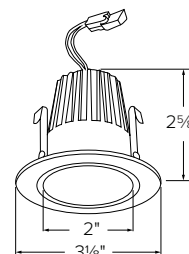
E214C0730W

840 lm
3000K
9W

LED Light Engine Reflector Trim

- Small aperture LED light engine with 600 - 840 lumens of light
- Die-Cast construction provides lasting durability
- Life span of 50,000 hours L70

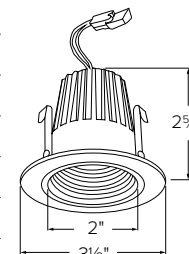
Input Power	9W
Lumens	600 - 840
Color Temp.	2700K - 3000K
CRI	90+
Wet Location	UL Listed
Dimmable	Triac/ELV
Beam angle	36°



LED Light Engine Baffle Trim

- Small aperture LED light engine with 600-840 lumens of light
- Die-Cast construction provides lasting durability
- Baffle reduces stray light
- Life span of 50,000 hours L70

Input Power	9W
Lumens	600 - 840
Color Temp.	2700K - 3000K
CRI	90+
Wet Location	UL Listed
Dimmable	Triac/ELV
Beam angle	36°



2" Square LED Light Engines

The diminutive lighting solution that provides smooth and even lumen distribution

For use with E2LC106ICA, E2LC175ICA, E2LC175RICA, E2LC106, E2LRC106, housings.



E213C0627W

600 lm
2700K
9W

E213C0630W

630 lm
3000K
9W

E213C0727W

800 lm
2700K
9W

E213C0730W

830 lm
3000K
9W



E215C0627W

600 lm
2700K
9W

E215C0630W

630 lm
3000K
9W

E215C0727W

800 lm
2700K
9W

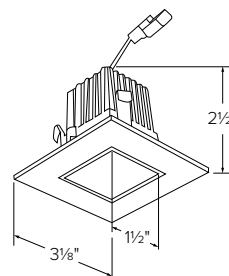
E215C0730W

830 lm
3000K
9W

LED Light Engine Reflector Trim

- Small aperture LED light engine with 600 - 830 lumens of light
- Die-Cast construction provides lasting durability
- Life span of 50,000 hours L70

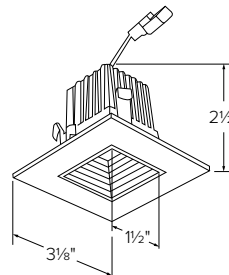
Input Power	9W
Lumens	600 - 830
Color Temp.	2700K - 3000K
CRI	90+
Wet Location	UL Listed
Dimmable	Triac/ELV
Beam angle	36°



LED Light Engine Baffle Trim

- Small aperture LED light engine with 600 - 830 lumens of light
- Die-Cast construction provides lasting durability
- Baffle reduces stray light
- Life span of 50,000 hours L70

Input Power	9W
Lumens	600 - 830
Color Temp.	2700K - 3000K
CRI	90+
Wet Location	UL Listed
Dimmable	Triac/ELV
Beam angle	36°



2" Adjustable LED Light Engines

The adjustable diminutive lighting solution that provides smooth and even lumen distribution

For use with E2LC106ICA, E2LC175ICA, E2LC175RICA, E2LC106, E2LRC106, housings.



E218C0627W

650 lm
2700K
9W

E218C0630W

680 lm
3000K
9W

E218C0727W

850 lm
2700K
9W

E218C0730W

880 lm
3000K
9W



E219C0627W

650 lm
2700K
9W

E219C0630W

680 lm
3000K
9W

E219C0727W

850 lm
2700K
9W

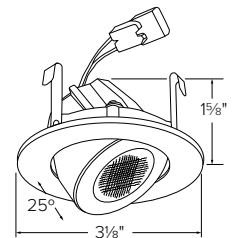
E219C0730W

880 lm
3000K
9W

LED Light Engine Round Adjustable Trim

- Small aperture Adjustable LED light engine with 600 - 880 lumens of light
- Die-Cast construction provides lasting durability
- Life span of 50,000 hours L70
- 25° adjustability

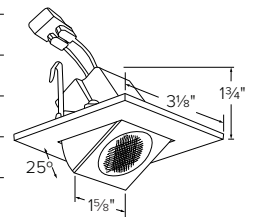
Input Power	9W
Lumens	600 - 880
Color Temp.	2700K - 3000K
CRI	90+
Wet Location	UL Listed
Dimmable	Triac/ELV
Beam angle	36°



LED Light Engine Square Adjustable Trim

- Small aperture Adjustable LED light engine with 600 - 880 lumens of light
- Die-Cast construction provides lasting durability
- Life span of 50,000 hours L70
- 25° adjustability

Input Power	9W
Lumens	600 - 880
Color Temp.	2700K - 3000K
CRI	90+
Wet Location	UL Listed
Dimmable	Triac/ELV
Beam angle	36°



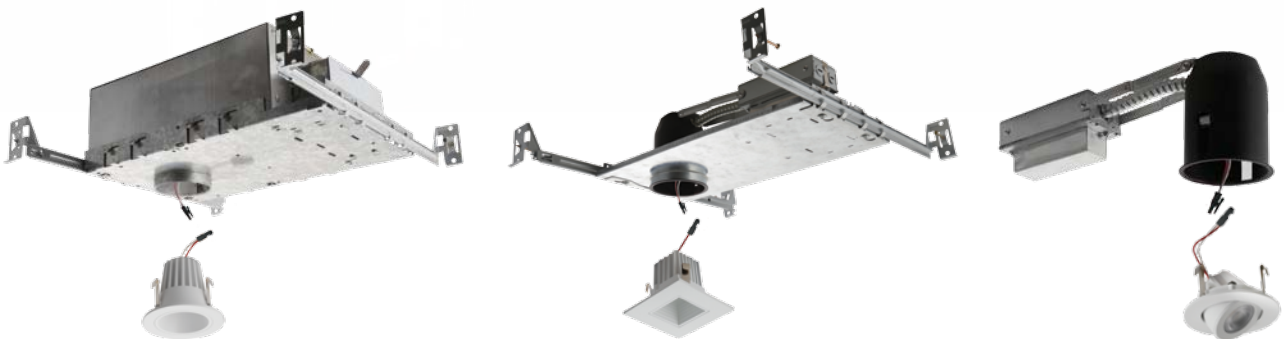
2"

↑ HIGHTECH  Housings

+

↑ HIGHLUMEN  Modules

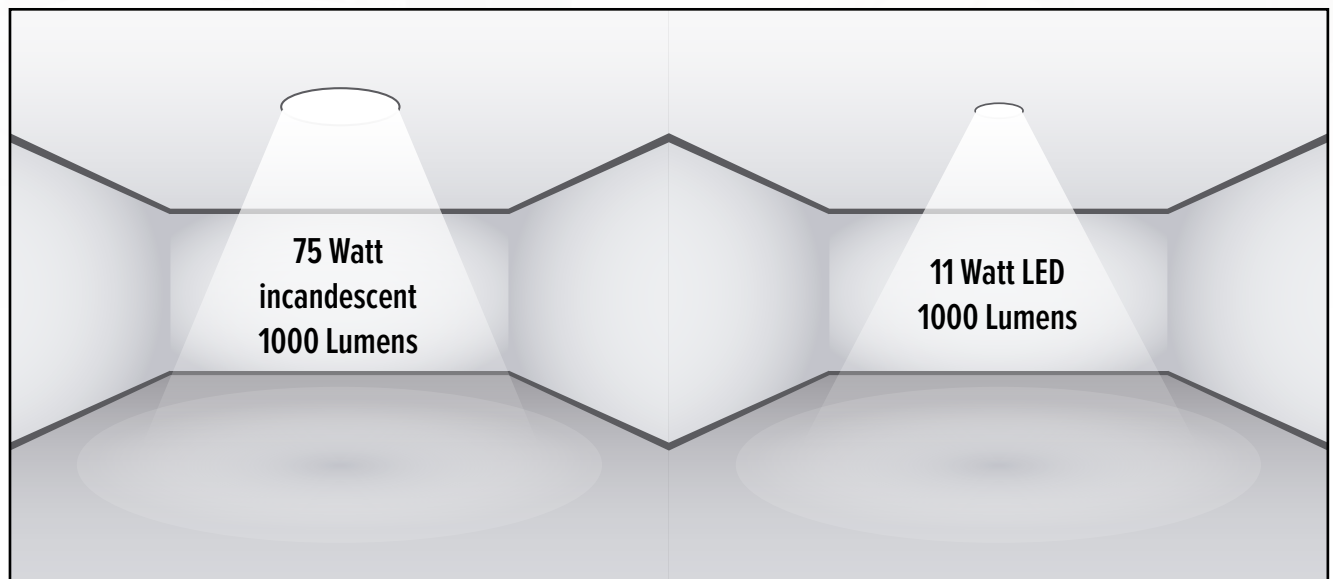
ELCO's HighTech Housings and HighLumen 2" Alder System Modules are the brightest addition to our 2" Alder family. The Housings allow for 3-in-1 dimming, Triac, ELV, and 0-10V in both 120V and 277V applications (120/277V). The HighLumen Modules emit more than 1000 lumens of light, and are offered in 2700K, 3000K, 3500K and 4000K to fit any need.



Small Aperture, **Strong Punch.**

Traditional 6" Downlight
1000 Lumens

ELCO ALDER System 2" LED
1000 Lumens

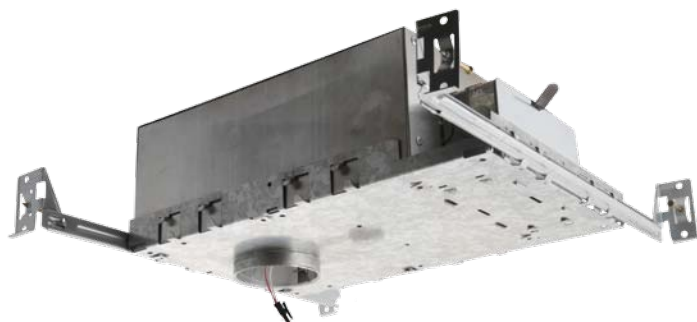


2" IC Airtight **New Construction** Housings

Housing with quick connect for easy light engine installation. **For use with foam insulation.**



2" IC Airtight New Construction Housing



E2AJU12ICA



- For foam insulation
- Double Wall IC rated for use in foam insulated ceilings R60
- UL Listed for direct contact with insulation
- 3 in 1 Dimming, 120 - 277V, Triac (120V only) , ELV 0 - 10V
- Captive hangerbars span 24", can be repositioned at 90°
- Meets restricted airflow requirements (per ASTM E-283)
- Height allows for use in 2x6 Construction
- Driver included on housing
- California Title 24 Compliant as high efficacy luminaire
- LED Light Engine sold separately
- Patent pending

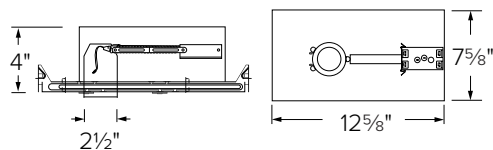
Input Power 11W

Input Voltage 120/277V

Wet Location UL listed

Feed Through UL listed

Dimmable Triac/ELV/ 0- 10V



2" IC Airtight Housings

Housing with quick connect for easy light engine installation



E2LCU86ICA



IC RATED



E2LCU86RICA



IC RATED

* Patent pending

2" New Construction Housing

- Single Wall IC
- UL Listed for direct contact with insulation
- 3 in 1 Dimming, 120 - 277V, Triac (120V only) , ELV 0 - 10V
- Meets restricted airflow requirements (per ASTM E-283)
- Height allows for use in 2x4 Construction
- Captive hangerbars span 24", can be repositioned at 90°
- Driver included on housing
- California Title 24 Compliant as high efficacy luminaire
- LED Light Engine sold separately
- Patent pending

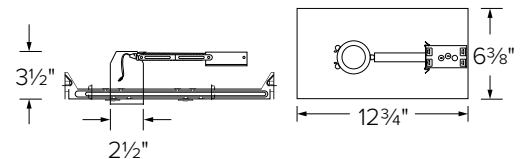
Input Power 11W

Input Voltage 120/277V

Wet Location UL listed

Feed Through UL listed

Dimmable Triac/ELV/ 0-10V



2" Remodel Housing

- Single Wall IC
- UL Listed for direct contact with insulation
- 3 in 1 Dimming, 120/277V, Triac (120V only) , ELV 0 - 10V
- Meets restricted airflow requirements (per ASTM E-283)
- Height allows for use in 2x4 Construction
- Flexi-joint allows for easy installation and solid supporter
- Driver included on housing
- California Title 24 Compliant as high efficacy luminaire
- LED Light Engine sold separately
- Patent pending

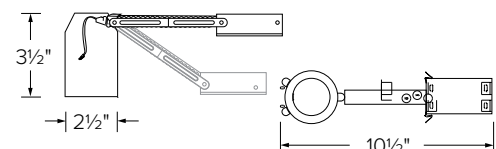
Input Power 11W

Input Voltage 120/277V

Wet Location UL listed

Feed Through UL listed

Dimmable Triac/ELV/ 0-10V



2" Round LED Light Engines

The diminutive lighting solution that provides smooth and even lumen distribution



For use with High Tech housings E2AJU12ICA, E2LCU86ICA, E2LCU86RICA.



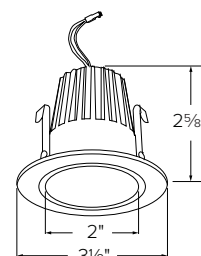
E210C1827W	E210C1830W
1000 lm	1050 lm
2700K	3000K
11W	11W

E210C1835W	E210C1840W
1100 lm	1135 lm
3500K	4000K
11W	11W

LED Light Engine Reflector Trim

- Small aperture LED light engine with 1000 lumens of light
- Die-Cast construction provides lasting durability
- Life span of 50,000 hours L70

Input Power	11W
Lumens	1000 - 1135
Color Temp.	2700K - 4000K
CRI	90+
Wet Location	UL Listed
Dimmable	Triac/ELV/ 0-10V
Beam angle	36°



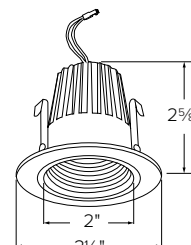
E214C1827W	E214C1830W
1000 lm	1050 lm
2700K	3000K
11W	11W

E214C1835W	E214C1840W
1100 lm	1135 lm
3500K	4000K
11W	11W

LED Light Engine Baffle Trim

- Small aperture LED light engine with 1000 lumens of light
- Die-Cast construction provides lasting durability
- Baffle reduces stray light
- Life span of 50,000 hours L70

Input Power	11W
Lumens	1000 - 1135
Color Temp.	2700K - 4000K
CRI	90+
Wet Location	UL Listed
Dimmable	Triac/ELV/ 0-10V
Beam angle	36°



2" Square LED Light Engines



The diminutive lighting solution that provides smooth and even lumen distribution

For use with High Tech housings E2AJU12ICA, E2LCU86ICA, E2LCU86RICA.



E213C1827W

100 lm
2700K
11W

E213C1830W

1040 lm
3000K
11W

E213C1835W

1100 lm
3500K
11W

E213C1840W

1125 lm
4000K
11W



E215C1827W

1000 lm
2700K
11W

E215C1830W

1040 lm
3000K
11W

E215C1835W

1100 lm
3500K
11W

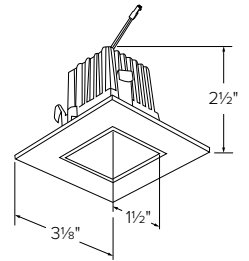
E215C1840W

1125 lm
4000K
11W

LED Light Engine Reflector Trim

- Small aperture LED light engine with 1000 lumens of light
- Die-Cast construction provides lasting durability
- Life span of 50,000 hours L70

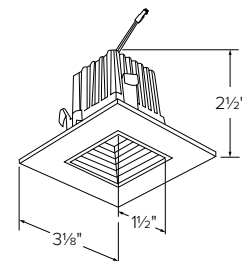
Input Power	11W
Lumens	1000 - 1125
Color Temp.	2700K - 4000K
CRI	90+
Wet Location	UL Listed
Dimmable	Triac/ELV/ 0-10V
Beam angle	36°



LED Light Engine Baffle Trim

- Small aperture LED light engine with 1000 lumens of light
- Die-Cast construction provides lasting durability
- Baffle reduces stray light
- Life span of 50,000 hours L70

Input Power	11W
Lumens	1000 - 1125
Color Temp.	2700K - 4000K
CRI	90+
Wet Location	UL Listed
Dimmable	Triac/ELV/ 0-10V
Beam angle	36°



2" Adjustable LED Light Engines



The adjustable diminutive lighting solution that provides smooth and even lumen distribution

For use with High Tech housings E2AJU12ICA, E2LCU86ICA, E2LCU86RICA.



E218C1827W

1040 lm
2700K
11W

E218C1830W

1100 lm
3000K
11W

E218C1835W

1150 lm
3500K
11W

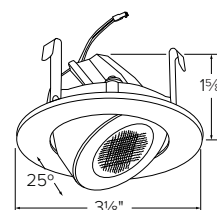
E218C1840W

1200 lm
4000K
11W

LED Light Engine Round Adjustable Trim

- Small aperture Adjustable LED light engine with 1000 lumens of light
- Die-Cast construction provides lasting durability
- Life span of 50,000 hours L70
- 25° adjustability

Input Power	11W
Lumens	1000 - 1200
Color Temp.	2700K - 4000K
CRI	90+
Wet Location	UL Listed
Dimmable	Triac/ELV / 0 - 10V
Beam angle	36°



E219C1827W

1030 lm
2700K
11W

E219C1830W

1090 lm
3000K
11W

E219C1835W

1140 lm
3500K
11W

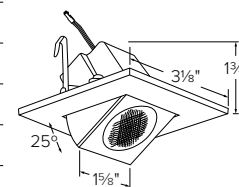
E219C1840W

1190 lm
4000K
11W

LED Light Engine Square Adjustable Trim

- Small aperture Adjustable LED light engine with 1000 lumens of light
- Die-Cast construction provides lasting durability
- Life span of 50,000 hours L70
- 25° adjustability

Input Power	11W
Lumens	1000 - 1200
Color Temp.	2700K - 4000K
CRI	90+
Wet Location	UL Listed
Dimmable	Triac/ELV / 0 - 10V
Beam angle	36°



*All Lumens are nominal within 7% of allowable tolerance

Accessories



FIRECVR

Fire Cover

Recessed fire cover stops flame spread and heat transmission for up to 2 hours. UL rated. UL approved for most major ceiling types. Made of heat activated intumescent material. Measures 9 ¾" H x 17" O.D.

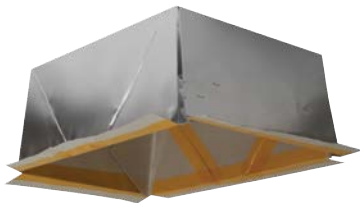


FIREENCL

Fire Enclosure

Flexible mica fire enclosure for recessed fixtures. ETL approved for 1-Hour fire resistance. Easy to install. To be used with Mica Fire Tape (sold separately) to seal the power feeding points. Meets the specifications of UL 263, ASTH E119.

Bottom Opening: 20 ¾" L x 14 ¾" W - Top Measurement: 19 ¾" L x 13 ¾" W - Height: 9"



FIREENCL-S

Small Fire Enclosure

Flexible mica fire enclosure for recessed fixtures. ETL approved for 1-Hour fire resistance. Easy to install. To be used with Mica Fire Tape (sold separately) to seal the power feeding points. Meets the specifications of UL 263, ASTH E119.

Bottom Opening: 16" L x 14 ¾" W - Top Measurement: 15" L x 13 ¾" W - Height: 7 ¼"



FIRETAPE

Mica Fire Tape

Fire proof mica adhesive tape helps seal the power feeding point on Fire Enclosure (FIREENCL). Offers outstanding high temperature and flame resistance, and provides excellent electrical insulating. Measures ¾" W x 16 ¼" L



CLIP2LD

Blade Clip

Set of two blade clips for 2" LED light engines. For optical installation.



KEM-LD3 (8W, Up to 750 lm Emergency Output)

KEM-LD4 (12W, Up to 1100 lm Emergency Output)

Emergency Battery Backup (Double Whip)

Emergency battery backup. 90 minutes of emergency light. 120V/277V AC, 60Hz.

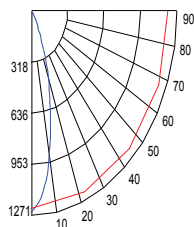
Alder Photometrics

LED Light Engine Round Baffle Trim

CCT Multiplier: 27K = 0.97; 30K = 1

PHOTOMETRIC REPORT

Product #: E214C0627
Wattage/Lumens: 8.96W / 600.4 lm
Luminaire LPW: 67 lm/W



CANDLEPOWER SUMMARY

Degrees Vertical	0°
0	1240
5	1128
15	643
25	242
35	58
45	16
55	12
65	7
75	3
85	0
90	0

ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Footcandles Beam Center	Beam Diameter
4'	77.5	2.7'
6'	34.4	4'
8'	19.4	5.4'
10'	12.4	6.7'

ZONAL LUMEN SUMMARY

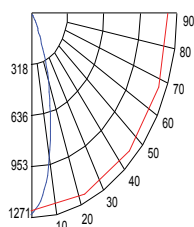
Zone	Lumens	%Luminaire
0-30°	491.2	82.4%
0-40°	555.1	93.1%
0-60°	583.2	97.8%
0-90°	595.7	100%

LED Light Engine Round Reflector Trim

CCT Multiplier: 27K = 0.97; 30K = 1

PHOTOMETRIC REPORT

Product #: E210C0627
Wattage/Lumens: 8.96W / 600.4 lm
Luminaire LPW: 67 lm/W



CANDLEPOWER SUMMARY

Degrees Vertical	0°
0	1240
5	1128
15	643
25	242
35	58
45	16
55	12
65	7
75	3
85	0
90	0

ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Footcandles Beam Center	Beam Diameter
4'	77.5	2.7'
6'	34.4	4'
8'	19.4	5.4'
10'	12.4	6.7'

ZONAL LUMEN SUMMARY

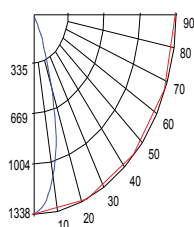
Zone	Lumens	%Luminaire
0-30°	491.2	82.4%
0-40°	555.1	93.1%
0-60°	583.2	97.8%
0-90°	595.7	100%

LED Light Engine Square Baffle Trim

CCT Multiplier: 27K = 0.97; 30K = 1

PHOTOMETRIC REPORT

Product #: E215C0627
Wattage/Lumens: 8.84W / 628 lm
Luminaire LPW: 71 lm/W



CANDLEPOWER SUMMARY

Degrees Vertical	0°
0	1330
5	1266
15	1098
25	846
35	38
45	22
55	18
65	12
75	7
85	2
90	0

ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Footcandles Beam Center	Beam Diameter
4'	83.1	2.6'
6'	36.9	3.8'
8'	20.8	5.1'
10'	13.3	6.4'

ZONAL LUMEN SUMMARY

Zone	Lumens	%Luminaire
0-30°	489.2	82.8%
0-40°	533.8	90.4%
0-60°	568.1	96.2%
0-90°	589.8	100%

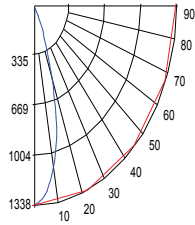
Alder Photometrics

LED Light Engine Square Reflector Trim

CCT Multiplier: 27K = 0.97; 30K = 1

PHOTOMETRIC REPORT

Product #: E213C0627
Wattage/Lumens: 8.84W / 628.02 lm
Luminaire LPW: 71 lm/W



CANDLEPOWER SUMMARY

Degrees Vertical	0°
0	1330
5	1266
15	1098
25	846
35	38
45	22
55	18
65	12
75	7
85	2
90	0

ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Footcandles Beam Center	Beam Diameter
4'	83.1	2.6'
6'	36.9	3.8'
8'	20.8	5.1'
10'	13.3	6.4'

ZONAL LUMEN SUMMARY

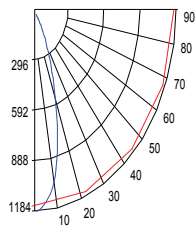
Zone	Lumens	%Luminaire
0-30°	489.2	82.8%
0-40°	533.8	90.4%
0-60°	568.1	96.2%
0-90°	589.8	100%

LED Light Engine Round Adjustable Trim

CCT Multiplier: 27K = 0.97; 30K = 1

PHOTOMETRIC REPORT

Product #: E218C0630
Wattage/Lumens: 9W / 630 Lm
Luminaire LPW: 70 Lm/W



CANDLEPOWER SUMMARY

Degrees Vertical	0°
0	1182
5	1131
15	791
25	378
35	149
45	52
55	22
65	10
75	4
85	1
90	0

ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Footcandles Beam Center	Beam Diameter
4'	73.9	2.6'
6'	34.9	4.0'
8'	18.5	5.3'
10'	11.8	6.6'

ZONAL LUMEN SUMMARY

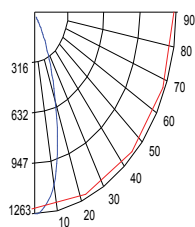
Zone	Lumens	%Luminaire
0-30°	512.4	73.2%
0-40°	613.9	87.8%
0-60°	682.6	97.6%
0-90°	698.7	100%

LED Light Engine Square Adjustable Trim

CCT Multiplier: 27K = 0.97; 30K = 1

PHOTOMETRIC REPORT

Product #: E219C0627
Wattage/Lumens: 8.72W / 662.49 lm
Luminaire LPW: 76 lm/W



CANDLEPOWER SUMMARY

Degrees Vertical	0°
0	1255
5	1202
15	806
25	354
35	142
45	49
55	20
65	10
75	4
85	1
90	0

ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Footcandles Beam Center	Beam Diameter
4'	78.5	2.6'
6'	34.9	4.0'
8'	19.6	5.3'
10'	12.6	6.6'

ZONAL LUMEN SUMMARY

Zone	Lumens	%Luminaire
0-30°	496.2	74.9%
0-40°	588.0	88.7%
0-60°	646.0	97.4%
0-90°	662.2	100%

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Printed in the USA. 08.17
\$18.00

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