ELCO Lighting

4" Floating Adjustable Eyeball Downlight with 5-CCT Switch

The innovative 4″ Floating Eyeball offers 360˚ rotation and a 90˚ tilt range for added versatility.

Features

- 9W / 780 lm
- IC Rated for direct contact to insulation
- CRI 90+
- 120V
- ETL Listed for damp locations
- CA Title 24 compliant
- Dimmable Triac/ELV
- For EM Backup use KEM-ERT
- 28º beam spread

Specifications

Wattage	9W
Lumens	780 lm
Voltage	120V
Color Temp.	2700K, 3000K, 3500K, 4000K, 5000K
Dimmable	Triac/ELV
Lamp Type	LED
Beam Angle	28°
CRI	90+
Damp Location	Listed

Options

White   **Bronze**   **Black**

Dimensions

3⅛″   3½″

1⅜″

1½″

3½″

5″

Cut out : 4¼″

Technical Details

Optics: Polycarbonate lens diffuses light evenly throughout space with no LED pixelation.

Construction: Aluminum die-cast trim with durable powdercoat finish. Plenum rated cable connector to connect from module to remote driver box. Isolated driver integrated inside aluminum remote box with two 7/8" knockouts with slots for pryout.

Installation: Designed for super shallow ceiling plenums without any housing. High strength steel spring clip for easy installation. Hole cut out template for proper trim installation.

Electrical: Included driver connects directly to 120V power supply. Standard input wattage is 9W, 85 lumens per watt. Replaces 75W incandescent.

Dimmability: Works with 120V Triac and ELV type dimmers. Dims down to 10%. For full list of dimmers, refer to the ELM System Dimmer Compatability List.

Listings: ETL Listed for Damp Locations. IC-Rated for direct contact with insulation. Air Tight certified in accordance with ASTM E283-2004. Califonia Title 24 Compliant (JA8-2016-E)

Warranty: 5-year limited warranty.

360˚ Rotation   90˚ Tilt Range
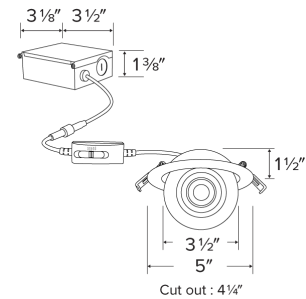
Product Number

Item	Lamp type	Lumens	CCT	Watts	Voltage	Dimming	Beam Angle	Finish
ERT416CT5W	LED	780 lm	2700K, 3000K, 3500K, 4000K, 5000K	9W	120V	Triac/ELV	28°	All White

Product Number Builder Example: **ERT416CT5W**

4" Floating Adjustable Eyeball	Color Temp	Finish
ERT416		

CT5 2700K - 5000K

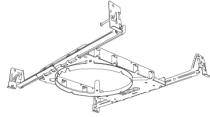**W**   All White
BZ All Bronze
B   All Black

Compatible Products
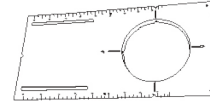
For use with **4″ Elm™ System Slim Panels**
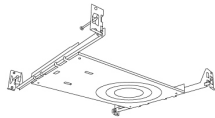
4″ Elm™ New Construction Frames

Frame with Hanger Bars
New Construction

CAT NO.	SPECIFICATIONS
E4LF1 (4″ Round)	8 ½″ L x 6″ W x 4 ¼″ Opening

Round Mounting Plate
New Construction

CAT NO.	SPECIFICATIONS
EMP4 (4″ Round)	13 ¼″ L x 6 ¼″ W x 4 ⅜″ Opening

Universal Frame for 2″, 4″ and 6″ Downlights
New Construction

CAT NO.	SPECIFICATIONS
E246LF1	12 ⅛″ L x 7 ⅝″ W

4″ Accessories
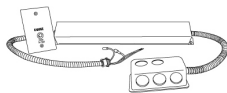
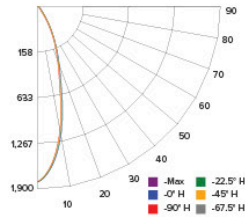**Emergency Battery Backup**

CAT NO.	SPECIFICATIONS
KEM-ERT	25W, 120/277V

Photometric Report

4" LED Adjustable Gimbal Insert with 5-CCT Switch

PHOTOMETRIC REPORT

Product #: ERT416CT5 @2700K
Wattage / Lumens: 8.74W / 642.7 lm
Luminaire LPW: 73.5 lm/W

CANDLE POWER SUMMARY

Degress Vertical	0°
0	1791
5	1646
15	947
25	347
35	88
45	39
55	23
65	14
75	5
85	0
90	0

ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Center Beam Footcandles	Beam Diameter
4'	112	2.0'
6'	49.8	3.0'
8'	28.0	4.0'
10'	17.9	5.0'

ZONAL LUMEN SUMMARY

Zone	Lumens	%Luminaire
0-30°	514.7	80.1
0-40°	570.4	88.8
0-60°	620.6	96.6
0-90°	642.4	100

PHOTOMETRIC REPORT

Product #: ERT416CT5 @3000K
Wattage / Lumens: 8.67W / 686.7 lm
Luminaire LPW: 79.2 lm/W
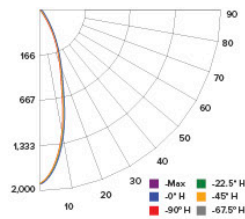
CANDLE POWER SUMMARY

Degress Vertical	0°
0	1919
5	1732
15	964
25	343
35	91
45	40
55	24
65	15
75	5
85	0
90	0

ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Center Beam Footcandles	Beam Diameter
4'	120	2.0'
6'	53.3	3.0'
8'	30.0	4.0'
10'	19.2	5.0'

ZONAL LUMEN SUMMARY

Zone	Lumens	%Luminaire
0-30°	550.6	80.2
0-40°	609.9	88.9
0-60°	663.2	96.6
0-90°	686.3	100

PHOTOMETRIC REPORT

Product #: ERT416CT5 @3500K
Wattage / Lumens: 8.5W / 757.2 lm
Luminaire LPW: 89.0 lm/W
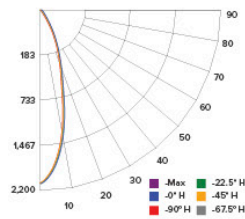
CANDLE POWER SUMMARY

Degress Vertical	0°
0	2118
5	1884
15	1009
25	351
35	98
45	44
55	27
65	16
75	5
85	0
90	0

ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Center Beam Footcandles	Beam Diameter
4'	132	2.0'
6'	58.8	3.0'
8'	33.1	4.0'
10'	21.2	5.1'

ZONAL LUMEN SUMMARY

Zone	Lumens	%Luminaire
0-30°	607.5	80.3
0-40°	672.7	88.9
0-60°	731.4	96.6
0-90°	756.8	100

Photometric Report

4″ LED Adjustable Gimbal Insert with 5-CCT Switch

PHOTOMETRIC REPORT

Product #: ERT416CT5 @4000K
Wattage / Lumens: 8.6W / 777.6 lm
Luminaire LPW: 90.4 lm/W
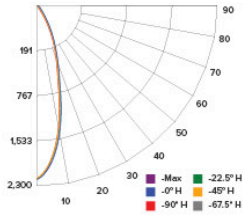
CANDLE POWER SUMMARY

Degress Vertical	0°
0	2175
5	1924
15	1005
25	344
35	99
45	45
55	27
65	17
75	6
85	0
90	0

ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Center Beam Footcandles	Beam Diameter
4′	136	2.0′
6′	60.4	3.0′
8′	34.0	4.1′
10′	21.8	5.1′

ZONAL LUMEN SUMMARY

Zone	Lumens	%Luminaire
0-30°	623.9	80.3
0-40°	690.9	88.9
0-60°	751.1	96.6
0-90°	777.2	100

PHOTOMETRIC REPORT

Product #: ERT416CT5 @5000K
Wattage / Lumens: 8.7W / 798.2 lm
Luminaire LPW: 91.7 lm/W
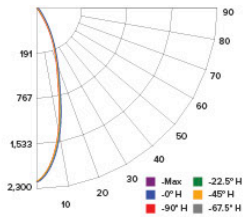
CANDLE POWER SUMMARY

Degress Vertical	0°
0	2215
5	1943
15	978
25	326
35	102
45	47
55	28
65	18
75	6
85	0
90	0

ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Center Beam Footcandles	Beam Diameter
4′	138	2.0′
6′	61.5	3.1′
8′	34.6	4.1′
10′	22.1	5.1′

ZONAL LUMEN SUMMARY

Zone	Lumens	%Luminaire
0-30°	638.2	80
0-40°	707.4	88.7
0-60°	770.4	96.6
0-90°	797.7	100

For Reference Only

Testing conducted by ELCO Lighting is not a substitute for and does not imply certification by an independent laboratory or any other standards certification. Refer to manufacturer specifications for more detailed information on product certifications and standards. Consult the dimmer manufacturer prior to installation to ensure compatibility.

Manufacturer	Product	Part Number	Number of Fixtures Per Dimmer*			
			Fixture Wattage			
			9W	12W	15W	33W
120V Only						
Lutron	DIVA® Series 600W Single Pole Dimmer	DV-600P	15	11	9	4
	DIVA® Series 600W 3-Way Dimmer	DV-603P	15	11	9	4
	Maestro® Series 150W Single Pole/3-Way/Multi-Location Dimmer	MACL-153M	15	11	9	4
Leviton	Decora SureSlide® Single Pole Slide-To-Off with Optional Locator Light	6631	15	11	9	4
	Decora SureSlide® Single Pole/3-Way with Present ON/OFF switch with Optional Locator Light	6633	15	11	9	4
	Decora SureSlide® Universal Dimmer	6674	15	11	9	4

*NOTE: Refer to dimmer manufacturer's documentation for installation instructions and circuit details

Disclaimer: Testing conducted by ELCO Lighting is not a substitute for and does not imply certification by an independent laboratory or any other standards certification. Refer to manufacturer specifications for more detailed information on product certifications and standards.