

3" Ultra Slim LED Gimbal Lights (600 lm)

For use with direct contact to insulation



Features

- For indoor use only
- 8W
- CRI 90+
- 120V
- ETL Listed
- ENERGY STAR compliant
- Dimmable Triac/ELV
- For EM Backup use KEM-ERT

Specifications

Wattage	8W
Lumens	600 lm
Voltage	120V
Color Temp.	2700K, 3000K, 3500K, 4000K, 5000K
Dimmable	Triac/ELV
Lamp Type	LED
CRI	90+
Damp Location	Listed

Options



Technical Details

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

Construction: IC rated driver and fixture are tested and approved for direct contact with insulation. Aluminum die-cast trim with durable powdercoat finish preventing rust and paint cracking. 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 provided for accurate hole size for proper trim installation.

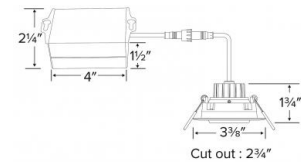
Electrical: Included driver connects directly to 120V power supply. Standard input wattage is 9W, 55 lumens per watt. Replaces 50W incandescent.

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

Listings: ETL Listed for DAMP Locations. ENERGY STAR® Certified. IC-Rated for direct contact with insulation. Air Tight certified in accordance with ASTM E283-2004. California Title 24 Compliant (JA8-2016-E)

Warranty: 5-year limited warranty.

Dimensions



Product Numbers

Item	Lamp type	Lumens	CCT	Watts	Voltage	Dimming	Finish
ERT318CT5W	LED	600 lm	2700K, 3000K, 3500K, 4000K, 5000K	8W	120V	Triac/ELV	All White
ERT318CT5BZ	LED	600 lm	2700K, 3000K, 3500K, 4000K, 5000K	8W	120V	Triac/ELV	All Bronze
ERT318CT5B	LED	600 lm	2700K, 3000K, 3500K, 4000K, 5000K	8W	120V	Triac/ELV	All Black

Product Number Builder

Example: **ERT318CT5W**

High Lumen Round Panel Light

Color Temp

Finish

ERT318

CT5 2700K - 5000K

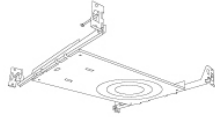
W All White
BZ All Bronze
B All Black

Compatible Products

For use with 3" Elm™ System Downlights



3" Elm™ New Construction Frames



Universal Frame for 3" Gimbal Lights
New Construction

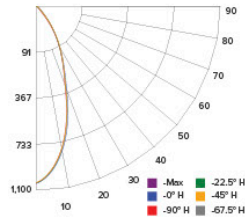
CAT NO.	SPECIFICATIONS
E246LF1	For 3" Gimbal Lights

Photometric Report

3" Ultra Slim LED Gimbal Lights with 5-CCT Switch

PHOTOMETRIC REPORT

Product #: ERT318CT5 @2700K
 Wattage / Lumens: 7.56W / 548.3 lm
 Luminaire LPW: 72.5 lm/W



CANDLE POWER SUMMARY

Degree Vertical	0°
0	1004
5	973
15	686
25	350
35	121
45	30
55	14
65	11
75	6
85	2
90	0

ILLUMINANCE AT A DISTANCE

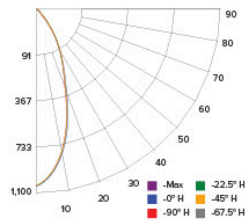
Distance to Target Plane	Center Beam Footcandles	Beam Diameter
4'	62.7	2.8'
6'	27.9	4.2'
8'	15.7	5.6'
10'	10.0	7.0'

ZONAL LUMEN SUMMARY

Zone	Lumens	%Luminaire
0-30°	419.0	76.5
0-40°	492.5	89.9
0-60°	529.7	96.6
0-90°	548.0	100

PHOTOMETRIC REPORT

Product #: ERT318CT5 @3000K
 Wattage / Lumens: 7.41W / 575.3 lm
 Luminaire LPW: 77.6 lm/W



CANDLE POWER SUMMARY

Degree Vertical	0°
0	1050
5	1015
15	706
25	359
35	126
45	32
55	15
65	12
75	6
85	2
90	0

ILLUMINANCE AT A DISTANCE

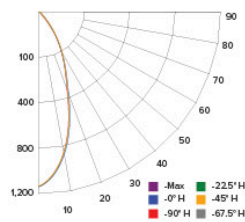
Distance to Target Plane	Center Beam Footcandles	Beam Diameter
4'	65.6	2.8'
6'	29.2	4.2'
8'	16.4	5.6'
10'	10.5	7.0'

ZONAL LUMEN SUMMARY

Zone	Lumens	%Luminaire
0-30°	438.6	76.3
0-40°	516.4	89.8
0-60°	555.7	96.6
0-90°	575.1	100

PHOTOMETRIC REPORT

Product #: ERT318CT5 @3500K
 Wattage / Lumens: 7.2W / 615.2 lm
 Luminaire LPW: 85.4 lm/W



CANDLE POWER SUMMARY

Degree Vertical	0°
0	115
5	1070
15	732
25	371
35	133
45	34
55	16
65	13
75	6
85	2
90	0

ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Center Beam Footcandles	Beam Diameter
4'	69.7	2.8'
6'	31	4.2'
8'	17.4	5.6'
10'	11.1	7'

ZONAL LUMEN SUMMARY

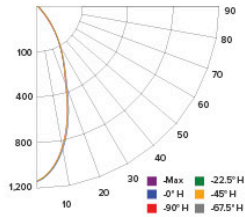
Zone	Lumens	%Luminaire
0-30°	467.3	76
0-40°	551.5	89.7
0-60°	594.2	96.6
0-90°	615	100

Photometric Report

3" Ultra Slim LED Gimbal Lights with 5-CCT Switch

PHOTOMETRIC REPORT

Product #: ERT318CT5 @4000K
 Wattage / Lumens: 7.3W / 631.1 lm
 Luminaire LPW: 86.5 lm/W



CANDLE POWER SUMMARY

Degress Vertical	0°
0	1137
5	1086
15	733
25	370
35	134
45	34
55	16
65	13
75	6
85	3
90	0

ILLUMINANCE AT A DISTANCE

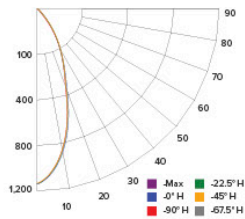
Distance to Target Plane	Center Beam Footcandles	Beam Diameter
4'	71.1	2.8'
6'	31.6	4.2'
8'	17.8	5.7'
10'	11.4	7.1'

ZONAL LUMEN SUMMARY

Zone	Lumens	%Luminaire
0-30°	477.9	75.8
0-40°	565.2	89.6
0-60°	609.3	96.6
0-90°	630.8	100

PHOTOMETRIC REPORT

Product #: ERT318CT5 @5000K
 Wattage / Lumens: 7.46W / 629.7 lm
 Luminaire LPW: 84.4 lm/W



CANDLE POWER SUMMARY

Degress Vertical	0°
0	1125
5	1072
15	718
25	363
35	135
45	35
55	16
65	13
75	7
85	3
90	0

ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Center Beam Footcandles	Beam Diameter
4'	70.3	2.8'
6'	31.3	4.3'
8'	17.6	5.7'
10'	11.3	7.1'

ZONAL LUMEN SUMMARY

Zone	Lumens	%Luminaire
0-30°	475	75.5
0-40°	563.2	89.5
0-60°	607.9	96.6
0-90°	629.4	100



ELCO Lighting

Dimmer Compatibility Chart Elm™ System High Lumen LED Downlights

For ERT215, ERT218, ERT318, ERT411, ERT412, ERT416, ERT425
ERT611, ERT612Series, ERT2HL08CT5, ERT2HL10CT5, and ERT4L10CT5

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	Dimmed Light Output Range
Lutron	Ariadni, 120V AC, 60Hz, 150W LED/CFL, 600W Incandescent/Halogen, Single Pole, 3-Way	AYCL-153P	10% - 100%
	Diva, 120V AC, 60Hz, 600W Incandescent/Halogen, Single Pole, 3-Way	DV-600PR	1% - 100%
	Diva, 120V, 60Hz, 150W LED/CFL, 600W Incandescent/Halogen, Single Pole, 3-Way	DVCL-153P	10% - 100%
	Maestro, 120V, 50/60Hz, 150W LED/CFL, 600W Incandescent/Halogen, Single Pole, 3-Way	MACL-153M	10% - 100%
	Nova, 120V AC, 60Hz, 600W Incandescent/Halogen, Single Pole, 3-Way	D-600P	10% - 100%
	Nova, 120V AC, 300W Load Rating, Single Pole, 3-Way, Residential/Commercial Application	NTELV-300P	10% - 100%
	Skylark, Single Pole 600W Incandescent/Halogen, Slide-to-Off Dimmer	S-600P	10% - 100%
	Skylark Contour, 120V, 60Hz, 600W Incandescent/Halogen, Single Pole, 3-Way	CT-600P	1% - 100%
	Skylark, 120V, 60Hz, 150W LED/CFL, 600W Incandescent/Halogen, Single Pole, 3-Way	CTCL-153P	10% - 100%
	Toggler, 120V AC, 60Hz, 600W Incandescent/Halogen, Single Pole, 3-Way	TG-600P	10% - 100%
	Toggler, 120V AC, 60Hz, 150W LED/CFL, 600W Incandescent, Single Pole, 3-Way	TGCL-153P	10% - 100%
Leviton	SureSlide, 120V AC 60Hz, 600W for LED and CFL, 600W for Incandescent, Single Pole, 3-Way, Polycarbonated Housing	6633	10% - 100%
	SureSlide Decora, 120V AC, 60Hz, 150W LED/CFL, 600W Incandescent, Single Pole, 3-Way, Commercial Application	6674	20% - 100%
	Trimatron, 120V AC, 60Hz, 600W Incandescent, Single Pole, 3-Way,	6602	20% - 100%
	ILLUMATECH Universal, 120V AC 60Hz, 150W LED/CFL, 600W Incandescent, Single Pole, 3-Way, Residential/Commercial Application	IPL06	1% - 100%
Legrand	Adorne Kit, 120V, 700W Load Rating, Single Pole, 3-Way	ADTP703TU	20% - 100%
	Harmony, 120V, 700W Incandescent, Single Pole, 3-Way	H703PTW	10% - 100%
Cooper	Aspire, 120V AC, 300W/600W Load Rating, Single Pole, 3-Way, Architectural Application	9540	10% - 100%
	Devine, 120V AC, 300W LED/CFL or 600W Incandescent/Halogen, Single Pole, 3-Way	DAL06P	10% - 100%

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

Disclaimer: Minimum and maximum loads for LEDs and CFLs are given in number of lamps and may vary depending on the lamp being used. 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.

Integrating our lighting with your Smart Home System is a breeze. Simply check your Smart Home system for compatible smart switches and cross reference that with our Dimming Compatibility Chart. Once the switches are integrated with your Smart Home system your lights will be ready to go.



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