

Project:	
Location:	
Model#: EUD61430K-120-WH	Type:
Client:	Qty:
Prepared by:	Date:

## SERIES SPECIFICATIONS

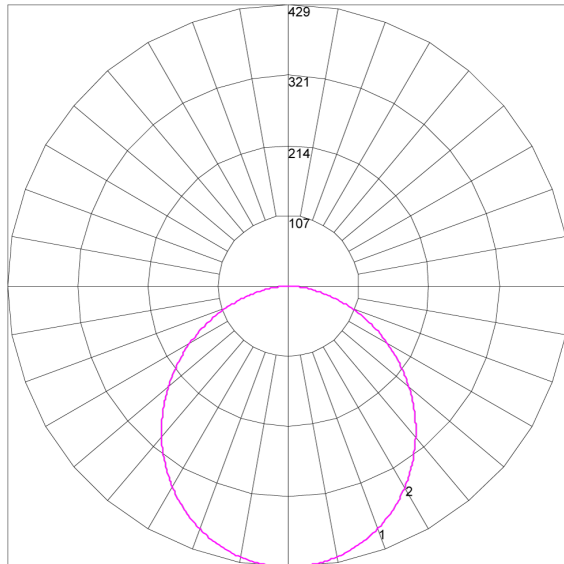


To supply Tamlite EUD series of LED fixtures as specified. The luminaire shall operate at 120Vac and use a TRIAC dimmable, constant current type Integral driver. The housing shall be constructed of die cast Aluminium finished with a textured powder coat over a chromate conversion coat. All hardware to be stainless steel. Wiring compartment to be Integral with hinged wiring cover. Optics to be constructed of Acrylic and be sealed via captive gasket. Rated for insulated ceiling and Air Tight (ASTM-E283) applications. Connecting cable shall be FT1 plenum rated. Fixture shall be cULus and Energy Star approved.



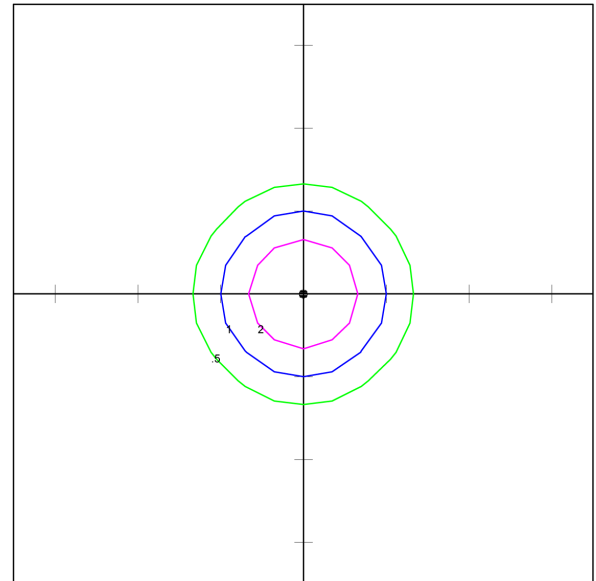
## PERFORMANCE SPECIFICATIONS

### Luminance Distribution Chart



Maximum Candela = 428.5 Located At Horizontal Angle = 0, Vertical Angle = 0  
 # 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
 # 2 - Vertical Plane Through Horizontal Angles (90 - 270)

### Isolux Diagram



Tamlite Lighting Canada  
 10 Perdue Crt. Caledon, ON  
 EUD614  
 6 Inch 14W LED Disk Light  
 48 white LEDs

Horizontal Footcandles  
 Scale: 1 Inch = 10 Ft.  
 Light Loss Factor = 1.00  
 Lumens Per Lamp = N.A. (absolute photometry)  
 Luminaire Lumens = 1162  
 Mounting Height = 10.00 Ft  
 Maximum Calculated Value = 4.29 Fc  
 Arrangement: Single



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#### Zonal Lumen Summary

ZONE	LUMENS	ZONE	LUMENS	ZONE	LUMENS	ZONE	LUMENS	ZONE	LUMENS
0-10	40.54	40-50	209.24	80-90	18.91	120-130	0.00	160-170	0.00
10-20	115.65	50-60	184.63	90-100	0.01	130-140	0.00	170-180	0.00
20-30	173.55	60-70	137.68	100-110	0.00	140-150	0.00	--	--
30-40	205.87	70-80	75.79	110-120	0.00	150-160	0.00	--	--

#### Co-efficient of Utilization

CC	80				70				50			30			10			0
WALL	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
fc	20				20				20			20			20			0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	72	70
3	90	80	72	66	88	78	71	65	75	69	64	73	67	63	70	66	62	59
4	83	71	62	56	81	70	62	55	67	60	54	65	59	54	63	57	53	51
5	76	63	55	48	74	62	54	48	60	53	47	58	52	47	56	51	46	44
6	70	57	48	42	69	56	48	42	54	47	41	53	46	41	51	45	41	39
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30
9	57	44	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

**Initial Lumen Output:** 1162lm

**Beam Angle:** 110 deg

**Spacing Criteria:** 1.24(0-180), 1.24(90-270)

**Ambient Operating Temp:** -20C to +40C

**Limited Product Warranty:** 5 Year(s)

**Efficacy:** 85lm/W

**Field Angle:** 160 deg

**Environmental Rating(s):** IC Rated, Air Tight ASTM E283

**Certification Standards:** cETLus, Energy Star, Air Tight (ASTM-E283), CAN ICES-005(B) NMB-005(B)

**CBCP:** 428.5cd

**Luminaire Type:** Direct

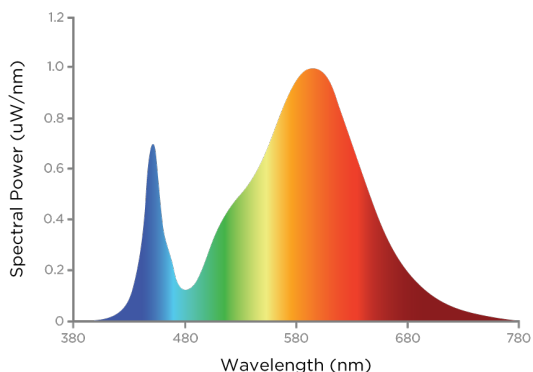
**UL Classification:** Wet Location Listed

**CCN Number:** IFA07.E470484

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## LED SPECIFICATIONS

### SPD



**Source Type:** LED

**L90:** 25,000 Hrs.

**Duv:** 0.000995

**CRI:** >80

**Colour Temperature:** 3000K

**L70:** 40000 Hrs.

**Chromaticity:** x=0.4538 y=0.4065

## ELECTRICAL SPECIFICATIONS

**Input Voltage:** 120Vac

**Current Draw at 120Vac:** 0.1167A

**Power Factor at 120Vac:** > 0.90

**Dimming Current mA:** .5mA draw

**Input Frequency:** 50/60 hz

**Current Draw at 347Vac:**

**Max Operating Case Temperature:** 40C

**Over Temperature Protection:** Auto Recovery. Returning to normal after over temperature is removed.

**Fixture Draw:** 13.5W

**Max On-Delay:** < 0.75 S

**Dimming:** TRIAC (1-10Vdc, 10% Min Light Level)

**Short Circuit Protection:** Auto Recovery. The output shall return to normal when the fault condition is removed.

## PHYSICAL SPECIFICATIONS

**Finish Colour:** White

**Mounting:** Recessed

**Finish Type:** Powder Coated

**Housing Material:** Die-cast Aluminium

**Wiring:** Internal junction box for through circuit wiring. Connecting cable shall be FT1 plenum rated.

**Lens Material:** UV Stabilized Acrylic

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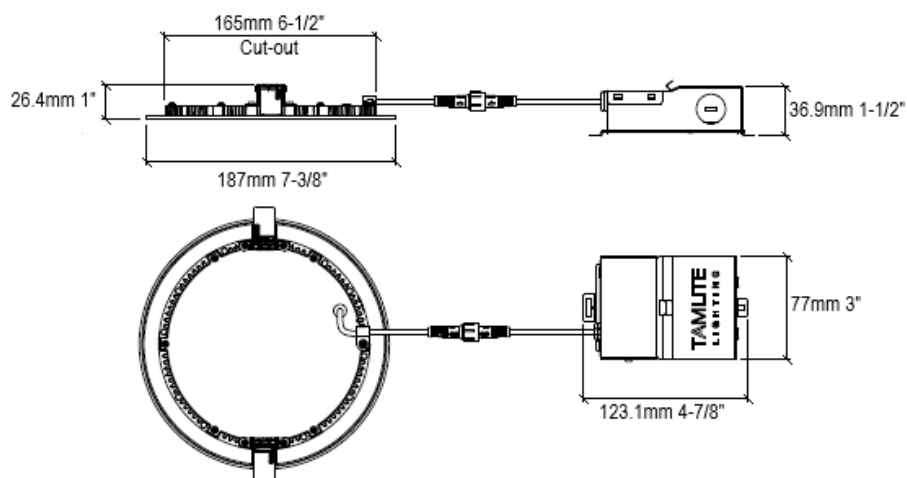
## SHIPPING INFORMATION

OrderingCode(s): EUD61430K-120-WH

Box Quantity: 6

## LINE DRAWING

### Line Drawings



## SERIES ARCHITECTURE

### Series Architecture

EUD - - - - -									
Part	Size	Wattage	CCT	Voltage		Finish		Options	
EUD	4 4 inch	7 7w	30K 3000K	120	120VAC	WH	White	EUD4-BK	Black Attachable faceplate
	6 6 inch	14 14w	40K 4000K		*Triac Dimmable	CC	Custom	EUD4-SN	Satin Nickel Attachable faceplate
			50K 5000K					EUD6-BK	Black Attachable faceplate
			SW Selectable White					EUD6-SN	Satin Nickel Attachable faceplate
			27K,30K,35K,40K,50K					GR4-WH	Goof ring for EUD-4
								GR6-WH	Goof ring for EUD-6

Optional Extras: DL3000, RIP46, RIP6L, EUD6-BK, EUD6\_SN, LY-VB, GR6-WH