

Project:									
Location:									
Model#: EUD61430K-120-WH	Туре:								
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.









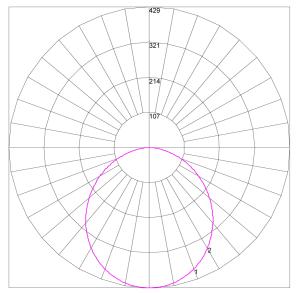






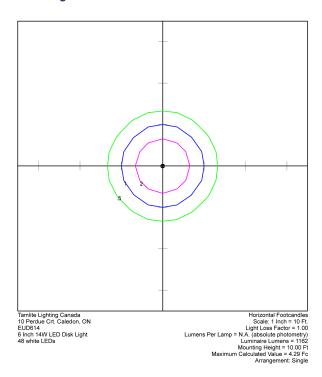
## PERFORMANCE SPECIFICATIONS

#### **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**





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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**

СС		8	0			7	0			50 30					10			0
WALL	70	50	30	10	70	50	30	10	50 30 10			50	30	10	50	30	10	0
fc		2	0			2	0			20			20			20		
RCR	₽ P																	
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

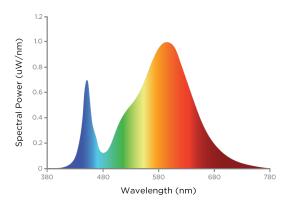
**UL Classification:** Wet Location Listed **CCN Number:** IFAO7.E470484



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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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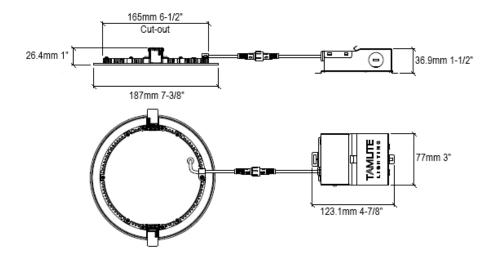
## SHIPPING INFORMATION

OrderingCode(s): EUD61430K-120-WH

**Box Quantity:** 6

# LINE DRAWING

# **Line Drawings**



# SERIES ARCHITECTURE

## **Series Architecture**

EUD -	_		_					-		-			
Part	s	ize	Wa	ittage	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