



Project:	
Location:	
Model#: EUG3730K-120-BK	Type:
Client:	Qty:
Prepared by:	Date:

**SERIES SPECIFICATIONS**

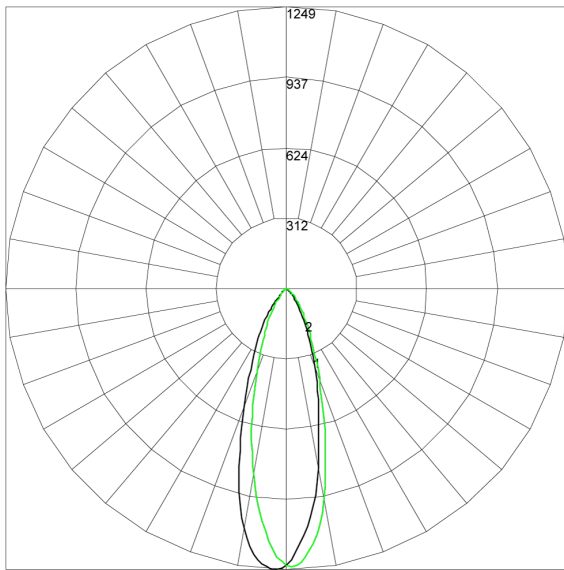


To supply Tamlite EUG series of LED fixtures as specified. The luminaire shall operate at 120Vac and use a TRIAC dimmable, constant current type Integral driver. The housing shall be constructed of die cast Aluminium finished with a textured powder coat over a chromate conversion coat. All hardware to 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 applications. Fixture shall be cULus certified



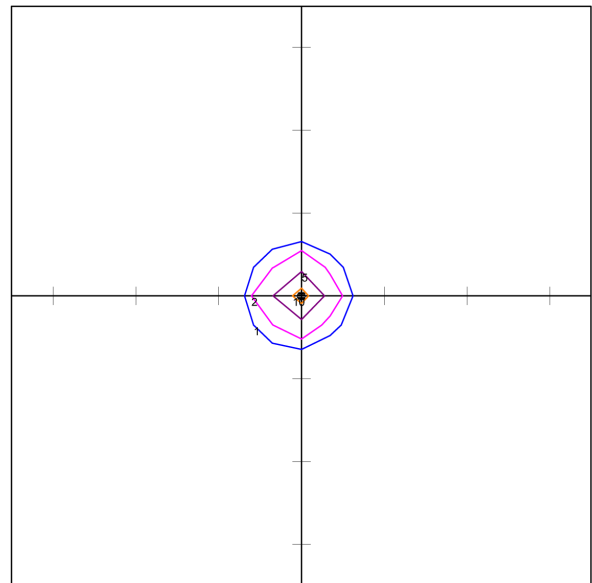
**PERFORMANCE SPECIFICATIONS**

**Luminance Distribution Chart**



Maximum Candela = 1248.77 Located At Horizontal Angle = 180, Vertical Angle = 2  
 # 1 - Vertical Plane Through Horizontal Angles (0 - 180)  
 # 2 - Vertical Plane Through Horizontal Angles (90 - 270)

**Isolux Diagram**



Tamlite Lighting Canada  
 10 Perdue Crt. Caledon, ON  
 EUG3730K-120VAC-WH  
 3 Inch Recessed Gimble, 7 watts, white finish

Horizontal Footcandies  
 Scale: 1 Inch = 10 Ft  
 Light Loss Factor = 1.00  
 Lumens Per Lamp = 511.13  
 Total Lamp Lumens = 511.13  
 Mounting Height = 10.00 Ft  
 Maximum Calculated Value = 12.30 Fc  
 Arrangement: Single



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**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
<b>RCR</b>																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	101	98	107	103	99	97	100	97	94	97	94	92	94	92	90	89
3	104	98	94	90	102	97	93	90	94	91	88	92	89	87	90	87	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	79
5	95	88	83	79	94	87	82	79	85	81	78	84	80	77	82	79	77	75
6	91	84	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	71
7	88	80	74	70	87	79	74	70	78	73	70	76	72	70	75	72	69	68
8	84	76	71	67	83	75	70	67	74	70	66	73	69	66	72	69	66	65
9	81	73	67	64	80	72	67	64	71	67	63	70	66	63	69	66	63	62
10	78	69	64	61	77	69	64	61	68	64	61	68	63	60	67	63	60	59

**Initial Lumen Output:** 511lm

**CBCP:** 1249cd

**Luminaire Type:** Direct

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

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

**Efficacy:** 72.3lm/W

**Beam Angle:** 30 deg

**Environmental Rating(s):** IC Rated

**Certification Standards:** UL Safety US-CA  
, Energy Star, CAN ICES-005(B) NMB-005(B)

**Max Candela:** 1249cd

**Field Angle:** 70 deg

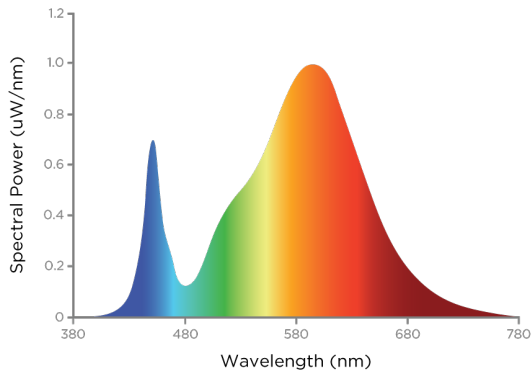
**UL Classification:** Damp Location Listed

**CCN Number:** IFA07.E470484

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**LED SPECIFICATIONS**

**SPD**



**Source Type:** LED  
**L90:** 25,000 Hrs.  
**Duv:** 0.000356

**CRI:** >90  
**Colour Temperature:** 3000K

**L70:** 40000 Hrs.  
**Chromaticity:** x=0.4608 y=0.4118

**ELECTRICAL SPECIFICATIONS**

**Input Voltage:** 120Vac  
**Current Draw at 120Vac:** 0.0652A  
**Max Operating Case Temperature:** 40C  
**Over Temperature Protection:** Auto  
 Recovery. Returning to normal after over temperature is removed.

**Input Frequency:** 50-60 hz  
**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.

**Fixture Draw:** 7.074W  
**Power Factor at 120Vac:** > 0.90  
**Dimming Current mA:** .5mA draw

**PHYSICAL SPECIFICATIONS**

**Finish Colour:** Black  
**Mounting:** Recessed

**Finish Type:** Powder Coated  
**Housing Material:** Die-cast Aluminium

**Wiring:** Internal Junction  
**Lens Material:** UV Stabilized Acrylic

**SHIPPING INFORMATION**

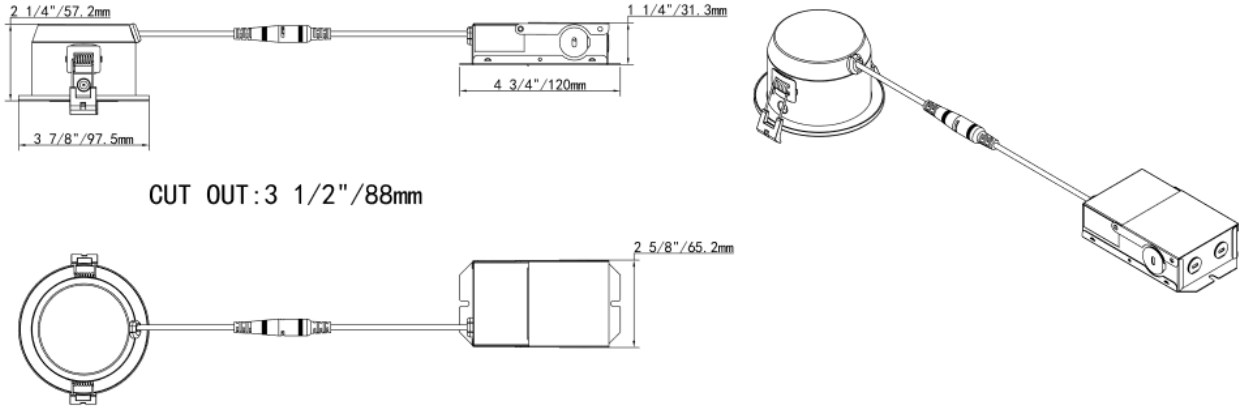
**OrderingCode(s):** EUG3730K-120-BK

**Box Quantity:** 1

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LINE DRAWING

Line Drawings



SERIES ARCHITECTURE

Optional Extras: LY-VB