

Project:	
Location:	
Model#: TLD4A1530K-347V-HZ	Type:
Client:	Qty:
Prepared by:	Date:

SERIES SPECIFICATIONS

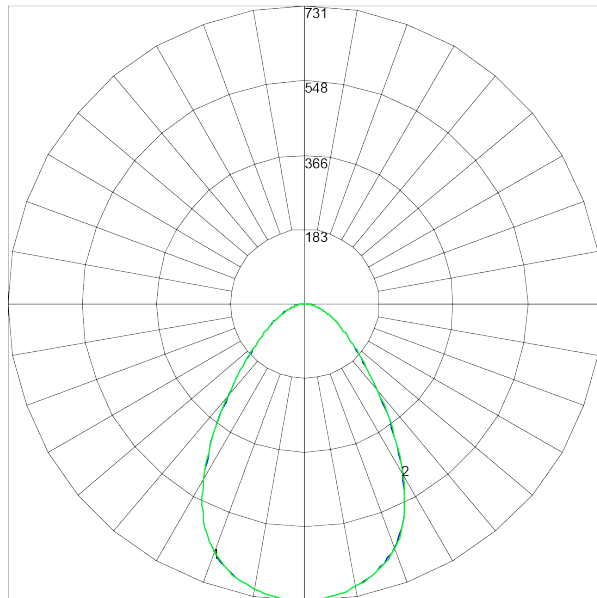


To supply Tamlite's TLD Series of LED Architectural Commercial Housing with Trims as specified. The housing shall operate at 347Vac and use a 1-10V dimmable, constant current type driver. Cable connections between light engine and driver shall use armored cable. Reflector shall be constructed of spun and die cast Aluminium. The LEDs shall be 1-10V Dimmable. Housing and Trim shall be c-UL-us listed.



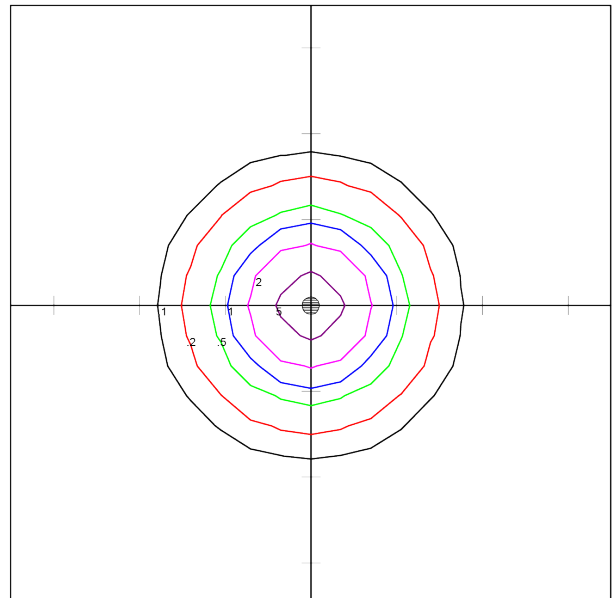
PERFORMANCE SPECIFICATIONS

Luminance Distribution Chart



Maximum Candela = 731.28 Located At Horizontal Angle = 225, Vertical Angle = 1
 # 1 - Vertical Plane Through Horizontal Angles (225 - 45) (Through Max. Cd.)
 # 2 - Vertical Plane Through Horizontal Angles (0 - 180)

Isolux Diagram



Tamlite Lighting
 by Tamco Group Canada
 10 Perdue Crt Caledon Ontario

Horizontal Footcandles
 Scale: 1 inch = 10 Ft.
 Light Loss Factor = 1.00
 Lumens Per Lamp = N.A. (absolute photometry)
 Luminaire Lumens = 1140
 Mounting Height = 10.00 Ft
 Maximum Calculated Value = 7.30 Fc
 Arrangement: Single



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Zonal Lumen Summary

ZONE	LUMENS	ZONE	LUMENS	ZONE	LUMENS	ZONE	LUMENS	ZONE	LUMENS
0-10	68.76	40-50	163.07	80-90	7.85	120-130	0.01	160-170	0.00
10-20	192.66	50-60	106.30	90-100	0.00	130-140	0.01	170-180	0.00
20-30	264.85	60-70	64.58	100-110	0.00	140-150	0.01	--	--
30-40	238.77	70-80	32.91	110-120	0.00	150-160	0.01	--	--

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	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89
2	103	97	91	87	101	95	90	86	92	87	84	89	85	82	86	83	80	78
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	71	70
4	90	80	72	67	88	78	72	67	76	70	66	74	69	65	72	68	64	62
5	84	73	65	60	82	72	65	60	70	64	59	68	63	58	66	62	58	56
6	78	67	59	54	77	66	59	54	64	58	53	63	57	53	61	56	52	51
7	73	62	54	49	72	61	54	49	60	53	48	58	52	48	57	52	48	46
8	69	57	50	45	68	57	50	45	55	49	44	54	48	44	53	48	44	42
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	47	41	38	36

Initial Lumen Output: 1140lm

Beam Angle: 70 deg

Spacing Criteria: 1.06 (C0/180), 1.06 (C90/270)

Ambient Operating Temp: -30C to +40C

Limited Product Warranty: 5 Year(s)

Efficacy: 68.21lm/W

Field Angle: 127 deg

Environmental Rating(s): IP44

Certification Standards: UL Safety US-CA , RoHS

CBCP: 730cd

Luminaire Type: Direct

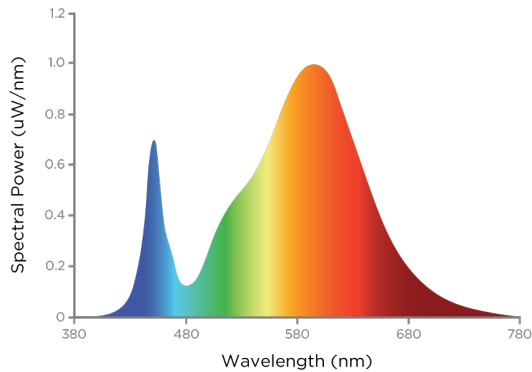
UL Classification: Wet Location Listed

CCN Number: IFA07.E470484

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LED SPECIFICATIONS

SPD



Source Type: LED

CRI: >80

Chromaticity: x=0.3799 y=0.3777

Manufacturer: EVERLIGHT®

L70: 36000 Hrs.

Duv: 0.0006

Part Number: 62-217B

Colour Temperature: 3000K

ELECTRICAL SPECIFICATIONS

Input Voltage: 347Vac

Current Draw at 347Vac: 0.0482A

Max Operating Case Temperature: 65C

Over Temperature Protection: Auto

Recovery. Returning to normal after over temperature is removed.

Input Frequency: 50/60 hz

Power Factor at 347Vac: > 0.90

Dimming: 0-10Vdc, (0% Min Light Level)

Short Circuit Protection: Auto Recovery.

The output shall return to normal when the fault condition is removed.

Fixture Draw: 16.71W

THD at 347Vac(%): < 15%

Dimming Current mA: .5mA draw

Driver Certifications: cULus, RoHS

PHYSICAL SPECIFICATIONS

Finish Colour: Haze

Mounting: Recessed

Lens Type: Frosted

Finish Type: Electroplating

Housing Material: Galvanized Steel

Reflector Material: Spun and Die Cast Aluminium

Wiring: Frame mounted junction box

Lens Material: Polycarbonate

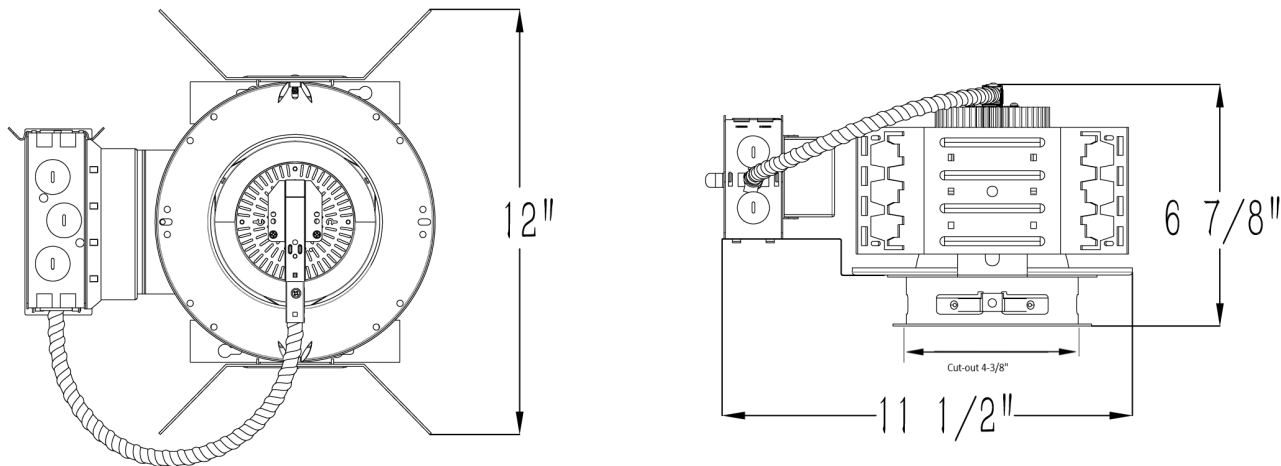
SHIPPING INFORMATION

OrderingCode(s): TLD4TR1530K-HZ + TLD4AH15-347V

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LINE DRAWING

Line Drawings



SERIES ARCHITECTURE

Series Architecture

TLD SERIES NOMENCLATURE

Size	Wattage	CCT		Mounting		Voltage		Finish		Accessories	
4	15	30K	3000K	A	Architectural Housing	UNV	120 - 277VAC	HZ	Haze	EM	Emergency Backup Battery
6	21	35K	3500K	P	Plaster Frame Housing	347	347VAC	SP	Specular		
8	28	40K	4000K	R	Remodel Housing			WH	White		
	40	50K	5000K	RK	Retrofit Kit			CC	Custom Colour		
	48										
	52										

Optional Extras: AHSU - Suspension Arm, AHTBAR - T-bar Hanger Arms, RLSPK - Leaf Spring Retro Kit