



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

SERIES SPECIFICATIONS

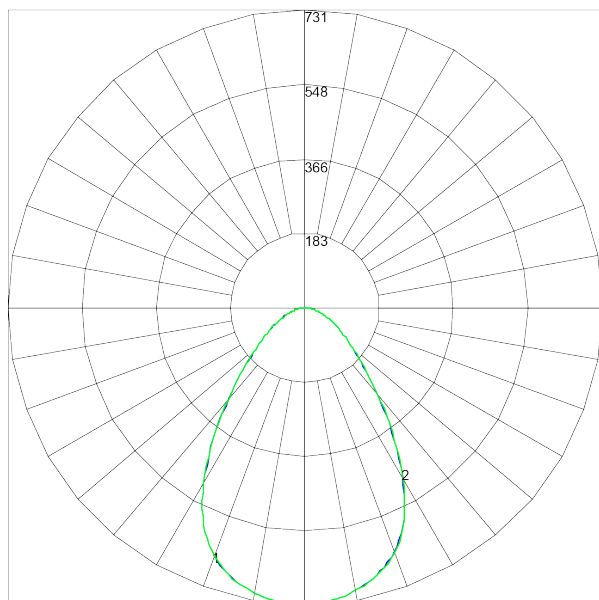


To supply Tamlite's TLD Series of LED Architectural Commercial Housing with Trims as specified. The housing shall operate at 347Vac and use a 1-10V dimmable, constant current type driver. Cable connections between light engine and driver shall use armored cable. Reflector shall be constructed of spun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



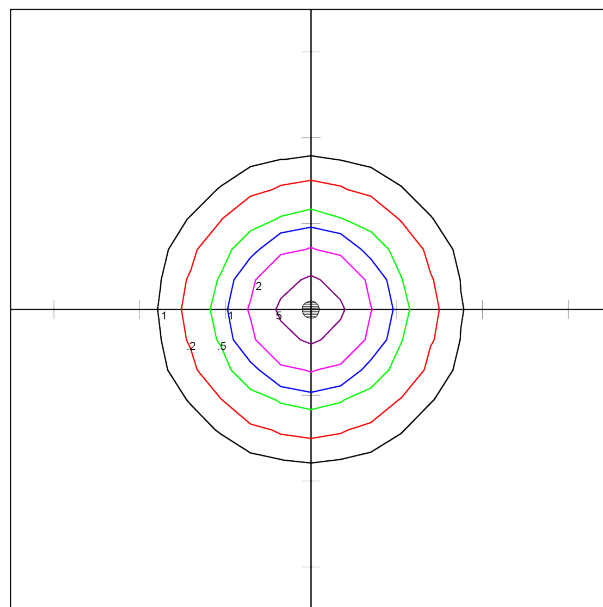
PERFORMANCE SPECIFICATIONS

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

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

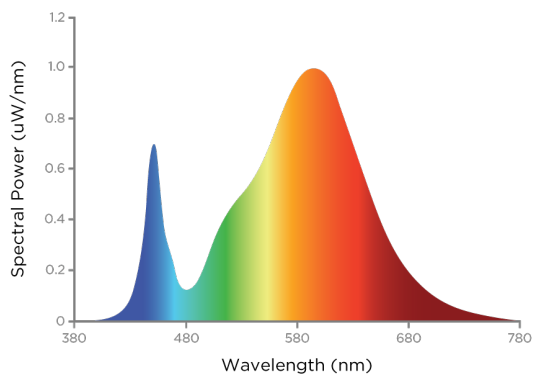
Luminaire Type: Direct

UL Classification: Wet Location Listed

CCN Number: IFA07.E470484

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

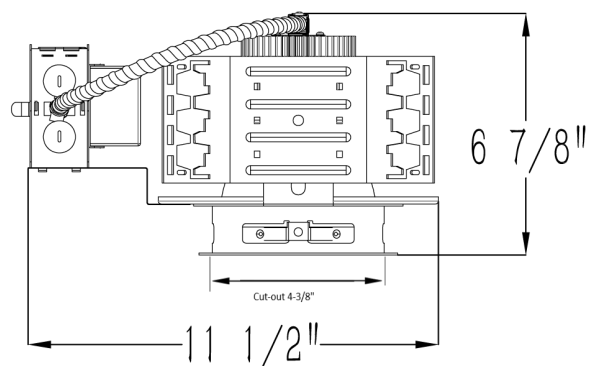
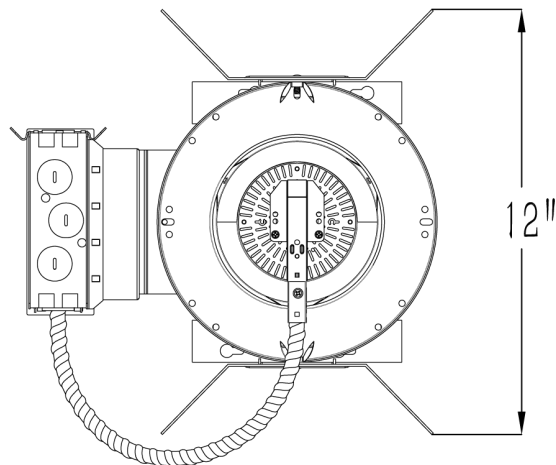
Lens Material: Polycarbonate

SHIPPING INFORMATION

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

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