

| | | |
|--------------|--------------------|-------|
| Project: | | |
| Location: | | |
| Model#: | TLPE143635K-347-WH | Type: |
| Client: | | Qty: |
| Prepared by: | | Date: |

SERIES SPECIFICATIONS

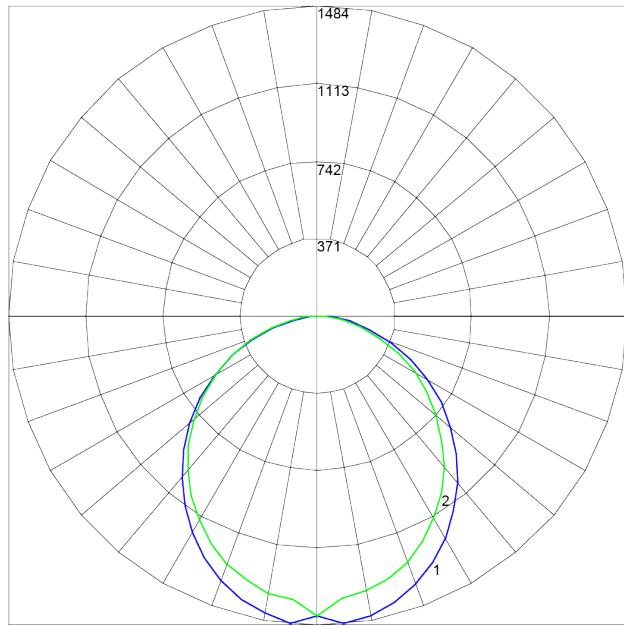


To supply Tamlite's TLPE Series of LED Panel fixture as specified. The luminaire shall operate at 347Vac and use an Everlight approved driver. The frame shall be constructed of painted aluminium with a PMMA diffuser. LEDs shall be as specified Everlight 67-21S LED chips. The luminaire shall be cULus Listed and DLC Listed. The fixture shall be DLC listed.



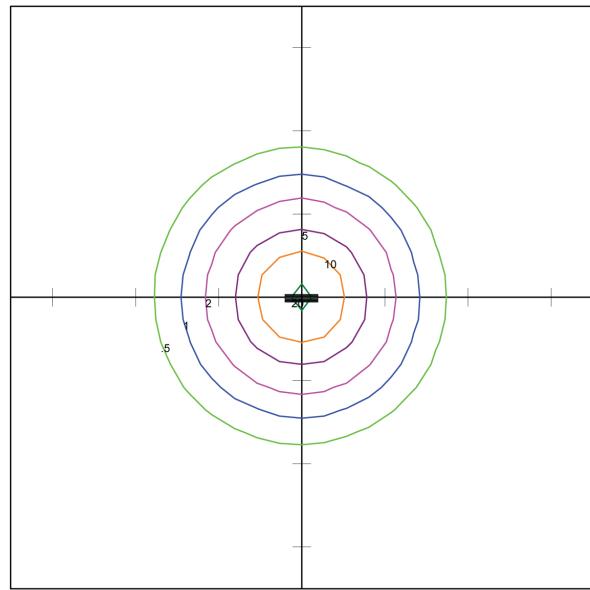
PERFORMANCE SPECIFICATIONS

Luminance Distribution Chart



Maximum Candela = 1484.22 Located At Horizontal Angle = 90, Vertical Angle = 5
 # 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
 # 2 - Vertical Plane Through Horizontal Angles (0 - 180)

Isolux Diagram



TAMILITE LIGHTING CANADA
 CALEDON, ONTARIO
 TLPE1436-UNV-WH
 1X4 36W LED FLAT PANEL
 WITH WHITE TRANSLUCENT PANEL
 WHITE LEDS. OUTPUT = 3880.77 LMS.

Horizontal Footcandles
 Scale: 1 Inch = 10 Ft.
 Light Loss Factor = 1.00
 Lumens Per Lamp = 3880.77
 Total Lamp Lumens = 3880.77
 Mounting Height = 10.00 Ft
 Maximum Calculated Value = 22.52 Fc
 Arrangement: Single

Zonal Lumen Summary

| ZONE | LUMENS | ZONE | LUMENS | ZONE | LUMENS | ZONE | LUMENS | ZONE | LUMENS |
|-------|--------|-------|--------|---------|--------|---------|--------|---------|--------|
| 0-10 | 136.56 | 40-50 | 698.91 | 80-90 | 60.81 | 120-130 | 0.00 | 160-170 | 0.00 |
| 10-20 | 388.76 | 50-60 | 618.08 | 90-100 | 0.00 | 130-140 | 0.00 | 170-180 | 0.00 |
| 20-30 | 580.95 | 60-70 | 458.36 | 100-110 | 0.00 | 140-150 | 0.00 | -- | -- |
| 30-40 | 687.75 | 70-80 | 250.54 | 110-120 | 0.00 | 150-160 | 0.00 | -- | -- |

Co-efficient of Utilization

| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | | | | 0 |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|---|
| RW | 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 | 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 | 73 | 70 | | | |
| 3 | 91 | 80 | 72 | 66 | 88 | 79 | 71 | 65 | 76 | 69 | 64 | 73 | 67 | 63 | 70 | 66 | 62 | 60 | | | |
| 4 | 83 | 71 | 62 | 56 | 81 | 70 | 62 | 55 | 67 | 60 | 55 | 65 | 59 | 54 | 63 | 57 | 53 | 51 | | | |
| 5 | 76 | 64 | 55 | 48 | 74 | 62 | 54 | 48 | 60 | 53 | 47 | 58 | 52 | 47 | 57 | 51 | 46 | 44 | | | |
| 6 | 71 | 57 | 48 | 42 | 69 | 56 | 48 | 42 | 55 | 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 | 38 | 33 | 43 | 37 | 32 | 31 | | | |
| 9 | 57 | 44 | 35 | 30 | 56 | 43 | 35 | 30 | 42 | 35 | 30 | 41 | 34 | 30 | 40 | 34 | 29 | 28 | | | |
| 10 | 53 | 40 | 32 | 27 | 52 | 40 | 32 | 27 | 39 | 32 | 27 | 38 | 31 | 27 | 37 | 31 | 27 | 25 | | | |

Initial Lumen Output: 3880lm

Luminaire Type: Direct

UL Classification: Dry Location Only

CCN Number: IFA07.E470484

Efficacy: 115.5lm/W

Spacing Criteria: 1.16 (C0-180), 1.34 (C90-270)

Ambient Operating Temp: -20C to +40C

Limited Product Warranty: 5 Year(s)

CBCP: 1475cd

Environmental Rating(s): IP20

Certification Standards: cULus, DLC

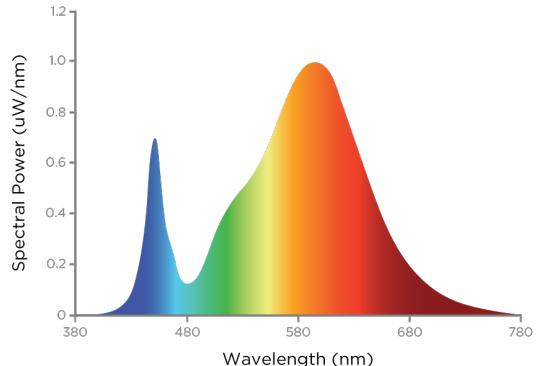
LED SPECIFICATIONS

R Tables

| | |
|----|----|
| R1 | 82 |
| R2 | 92 |
| R3 | 96 |
| R4 | 80 |
| R5 | 82 |
| R6 | 89 |
| R7 | 83 |
| R8 | 60 |

| | |
|-----|----|
| R9 | 7 |
| R10 | 80 |
| R11 | 80 |
| R12 | 66 |
| R13 | 85 |
| R14 | 98 |
| R15 | 75 |
| -- | -- |

SPD



Source Type: LED

CRI: >80

Chromaticity: x=0.4051 y=0.3929

Manufacturer: Everlight®

L90: 54,000 Hrs

Colour Tolerance: 3 SDCM

Part Number: 67-21S

Colour Temperature: 3500K

Duv: 0.001

ELECTRICAL SPECIFICATIONS

Input Voltage: 347Vac

Power Factor @ 277Vac: >.90

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

Driver Certifications: c-RU-us Class 2,

FCC Part 15 Class B, RoHS

Input Frequency: 50-60Hz

Power Factor @ 347Vac: >.90

Dimming Current mA: 0.2

Fixture Draw: 33.6W

THD @ 277Vac(%): <15%

Short Circuit Protection: Auto Recovery.

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

PHYSICAL SPECIFICATIONS

Finish Colour: White

Housing Material: Aluminium

Weight: 9.1 kg

Finish Type: Powder Coated

Lens Material: PMMA

Entries: 4.500" Knockouts

Wiring: Junction Box

Lens Type: Diffuser

SHIPPING INFORMATION

OrderingCode(s): TLPE143635K-347V-WH

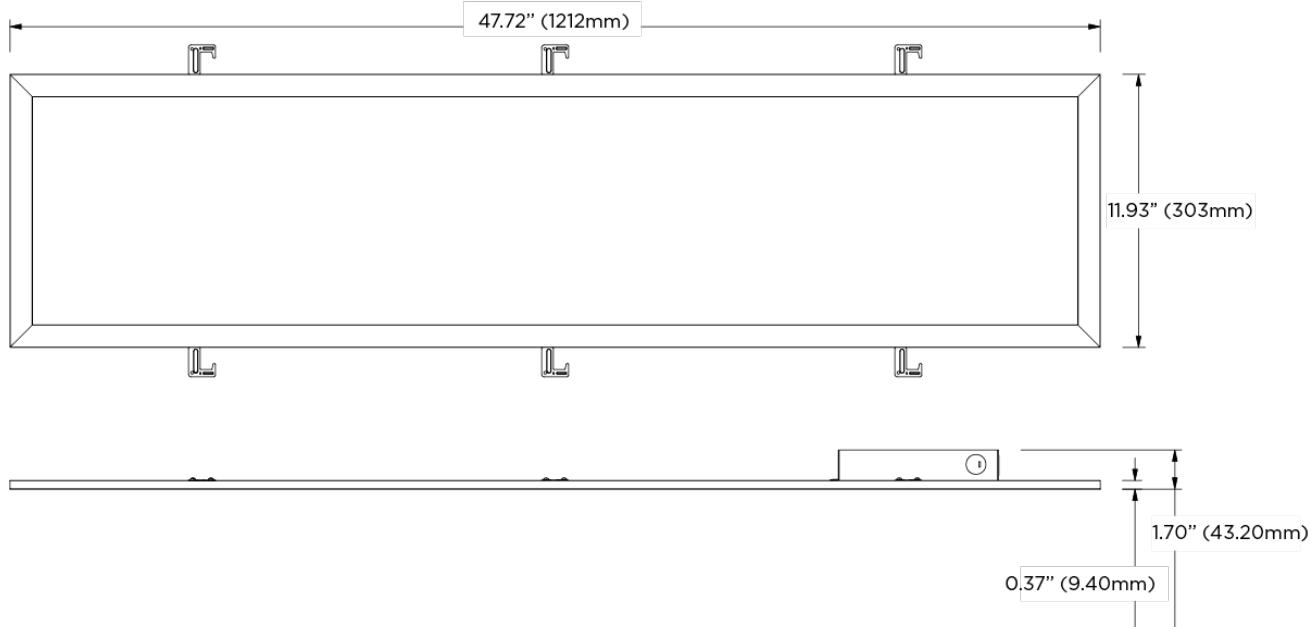
Box Weight: 9.5 kg

Box Quantity: 2

Box Dimensions (L-W-H): 715 x 715 x 115 mm

LINE DRAWING

Line Drawings



SERIES ARCHITECTURE

Series Architecture

TLPE Nomenclature

| Part | Size | | Wattage | | CCT | | Mounting | | Voltage | | Finish | |
|------|------|-------|---------|-----|-----|-------|----------|----------------|---------|------------|--------|-------|
| TLPE | 14 | 1x4ft | 36 | 36W | 30K | 3000K | [blank] | T-Bar | UNV | 120-277VAC | WH | White |
| | 22 | 2x2ft | 40 | 40W | 35K | 3500K | DF | Drywall Flange | UN4 | 347VAC | | |
| | 24 | 2x4ft | 48 | 48W | 40K | 4000K | SF | Surface Mount | | | | |
| | | | 60 | 60W | 50K | 5000K | SU | Suspended | | | | |

Optional Extras: TLP14SMK-WH TLP14SPK TLP14DFK-WH