



KT-ALEDXXX-X2-OSA-NM-8XX-VDIM/G2

LED AREA LIGHT FIXTURES

DESCRIPTION

Area Lights with OpticSwap | 120-277V Input
Bronze Housing | Multiple Mounting, Optics,
and Control Options

APPLICATION

Pole-mount or structure-mount outdoor illumination
needs (including parking lots, auto dealerships, pathways,
roadways, recreational venues, and other general area
lighting requirements)



10 YEAR
LIMITED WARRANTY

PRODUCT FEATURES

- Innovative OpticSwap technology under door frame and latch design for quick, easy, tool-free lens change
- Two lenses in the box: Type III installed, Type V included
- Type II and Type IV lenses sold separately. See below for details
- Heavy-duty, die-cast aluminum housing with ample heat sinking
- Low-profile design delivers high-performance illumination and improves application site aesthetics
- True U0 design eliminates undesirable sky glow
- Integrated NEMA/ANSI C136.10 7-pin twist-lock receptacle with shorting cap. Standard on all fixtures, simplifies ordering requirements for photo control needs ****

- Five contractor-friendly mounting options available: universal slipfitter, trunnion, adjustable pole mount, fixed pole mount, and wall adaptor. Sold separately (see *Accessories* for details)
- Keystone 0-10V dimming driver with 6kV surge protection. Additional 10kV included
- Ambient operating temperature: -40°C/-40°F to 50°C/122°F
- UL Certified; IP65 rated
- Power factor: > 0.95
- THD: < 20%
- LED chip lifetime: L70 > 100,000 hrs @ 25°C/77°F ambient fixture temperature
- Meets FCC Part 15, Part B, Class A standards for conducted and radiated emissions

**** TAA options available. See *Ordering Information* below**

PERFORMANCE SPECIFICATIONS

Catalog No.	Wattage	CCT	Lumens	Efficacy	Input Voltage	Dimming	CRI	Distribution Pattern*	Photocell Included	Housing Color**	Rated Life
KT-ALED70-S2-OSA-NM-840-VDIM/G2	70W	4000K	10,920	156 lm/W	120-277V	0-10V	> 80	Type III Installed, Type V Included Types II and IV Available, Sold Separately	No	Bronze	50,000 hrs
KT-ALED70-S2-OSA-NM-850-VDIM/G2		5000K	10,990	157 lm/W							
KT-ALED100-S2-OSA-NM-840-VDIM/G2	100W	4000K	15,100	151 lm/W							
KT-ALED100-S2-OSA-NM-850-VDIM/G2		5000K	15,400	154 lm/W							
KT-ALED140-M2-OSA-NM-840-VDIM/G2	140W	4000K	21,140	151 lm/W							
KT-ALED140-M2-OSA-NM-850-VDIM/G2		5000K	21,700	155 lm/W							
KT-ALED210-L2-OSA-NM-840-VDIM/G2	210W	4000K	32,340	154 lm/W							
KT-ALED210-L2-OSA-NM-850-VDIM/G2		5000K	32,970	157 lm/W							
KT-ALED290-L2-OSA-NM-840-VDIM/G2***	290W	4000K	43,500	150 lm/W							
KT-ALED290-L2-OSA-NM-850-VDIM/G2		5000K	44,370	153 lm/W							

* For more information, see *Accessories* page below or contact Keystone with questions.

** Fixtures and mounts with alternate housing colors are available and made to order. Extended lead times apply. Please see catalog number breakdown for full ordering code details.

*** Special order item

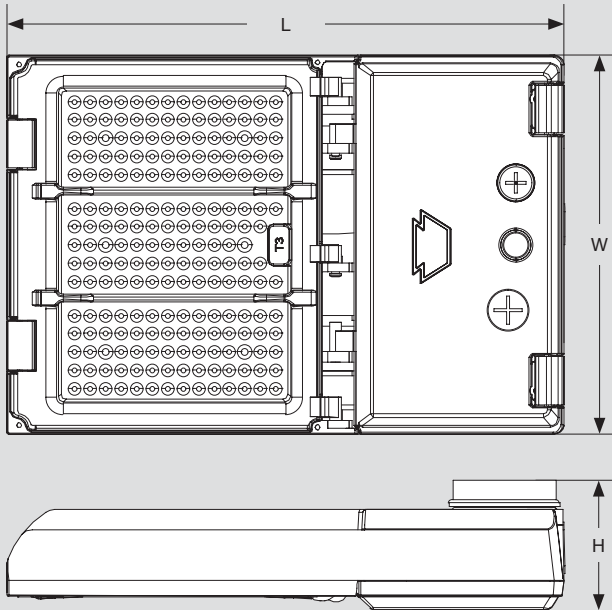
**** Area lights manufactured before March 2026 have 3-pin receptacles. Area lights manufactured after March 2026 have 7-pin receptacles.

KT-ALEDXXX-X2-OSA-NM-8XX-VDIM/G2

LED AREA LIGHT FIXTURES

PHYSICAL SPECIFICATIONS

LED AREA LIGHT FIXTURE



FIXTURE DIMENSIONS

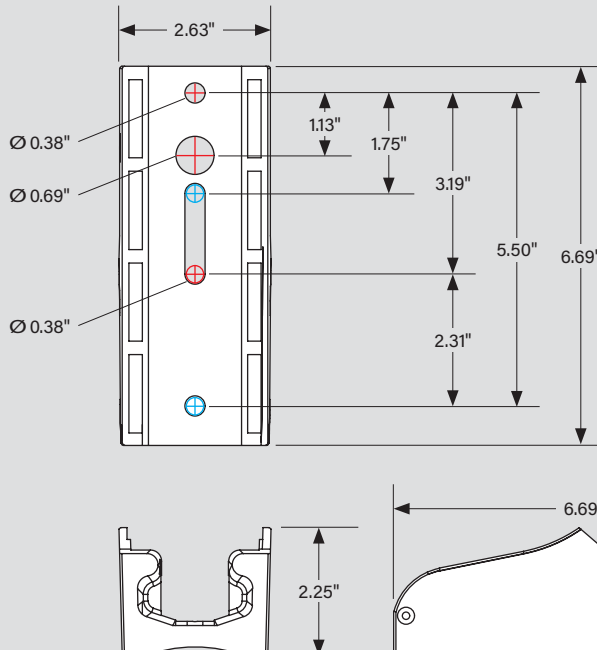
Catalog Number	L (Length)	W (Width)	H (Height)
KT-ALED70-S2-OSA-NM-8XX-VDIM/G2	14.13"	9.61"	3.27"
KT-ALED100-S2-OSA-NM-8XX-VDIM/G2	14.13"	9.61"	3.27"
KT-ALED140-M2-OSA-NM-8XX-VDIM/G2	15.71"	11.18"	3.27"
KT-ALED210-L2-OSA-NM-8XX-VDIM/G2	19.72"	13.98"	3.27"
KT-ALED290-L2-OSA-NM-8XX-VDIM/G2	19.72"	13.98"	3.27"

PACKAGING DIMENSIONS

Catalog Number	Carton Dimensions	Carton Weight
KT-ALED70-S2-OSA-NM-8XX-VDIM/G2	5.63" x 11.57" x 20.08"	9.08 lbs
KT-ALED100-S2-OSA-NM-8XX-VDIM/G2	5.63" x 11.57" x 20.08"	9.22 lbs
KT-ALED140-M2-OSA-NM-8XX-VDIM/G2	5.63" x 13.15" x 21.65"	10.87 lbs
KT-ALED210-L2-OSA-NM-8XX-VDIM/G2	5.63" x 15.94" x 26.18"	16.16 lbs
KT-ALED290-L2-OSA-NM-8XX-VDIM/G2	5.63" x 15.94" x 26.18"	16.58 lbs

Note: Input, output, ground, and dimming lead lengths from fixture: 1m / 39.37"

POLE MOUNT (ADJUSTABLE OR FIXED) DRILLING HOLES

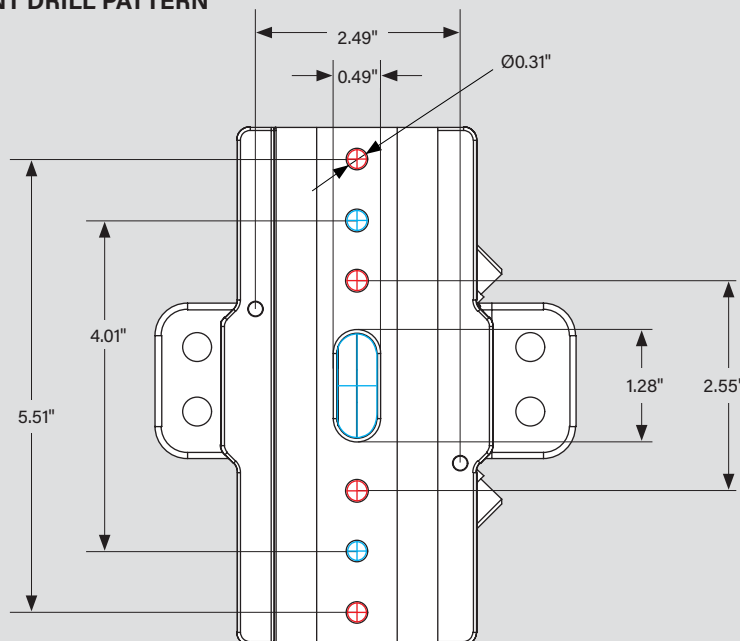


KT-ALEDXXX-X2-OSA-NM-8XX-VDIM/G2

LED AREA LIGHT FIXTURES

PHYSICAL SPECIFICATIONS (continued)

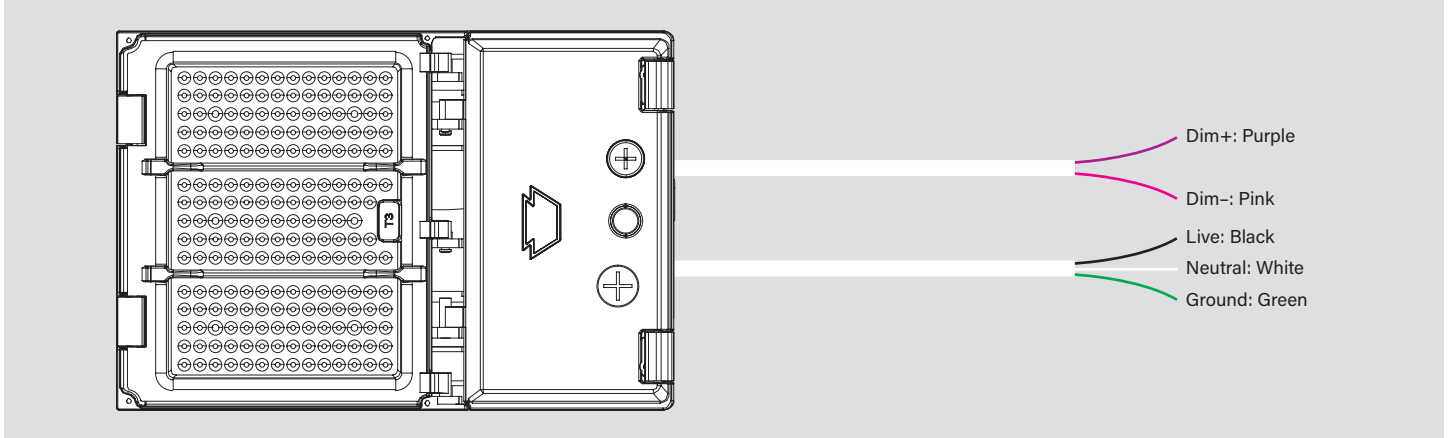
UNIVERSAL SLIPFITTER MOUNT DRILL PATTERN



KT-ALEDXXX-X2-OSA-NM-8XX-VDIM/G2

LED AREA LIGHT FIXTURES

WIRING DIAGRAM



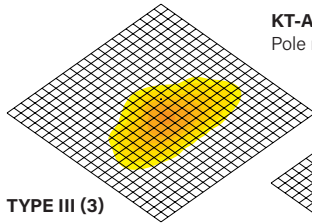
Note: Input, output, ground, and dimming lead lengths from fixture: 1m / 39.37"

LIGHT DISTRIBUTION PATTERN

Pole mount view from above. Each square is 10 ft x 10 ft

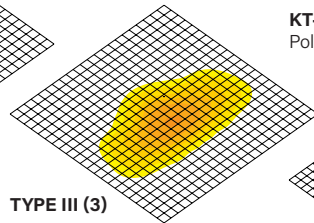
KT-ALED70-S2-OSA-NM-8XX-VDIM/G2

Pole mounted at 20 ft



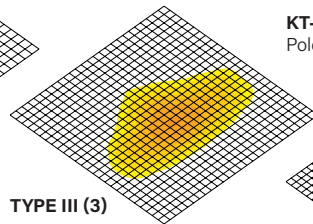
KT-ALED100-S2-OSA-NM-8XX-VDIM/G2

Pole mounted at 20 ft



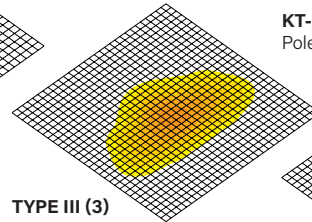
KT-ALED140-M2-OSA-NM-8XX-VDIM/G2

Pole mounted at 30 ft



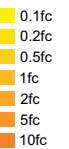
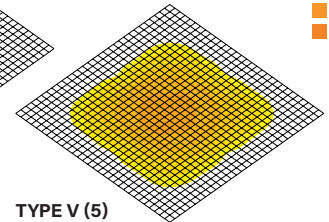
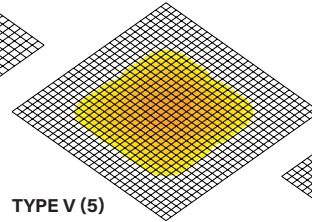
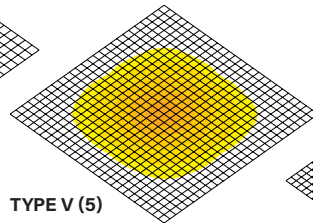
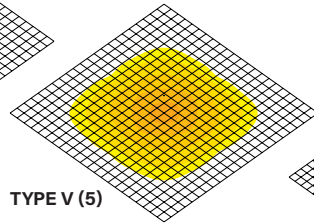
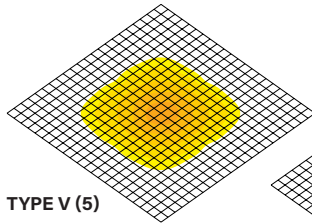
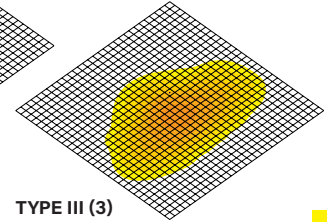
KT-ALED210-L2-OSA-NM-8XX-VDIM/G2

Pole mounted at 30 ft



KT-ALED290-L2-OSA-NM-8XX-VDIM/G2

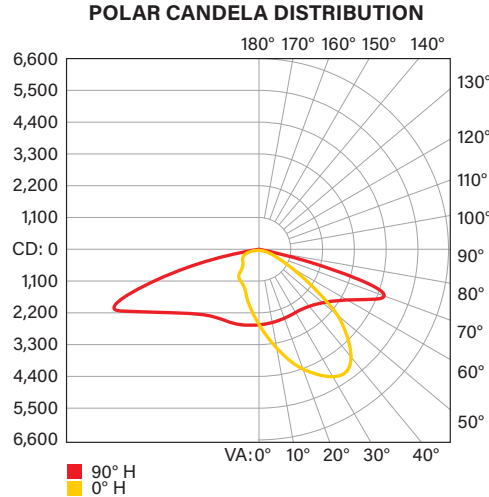
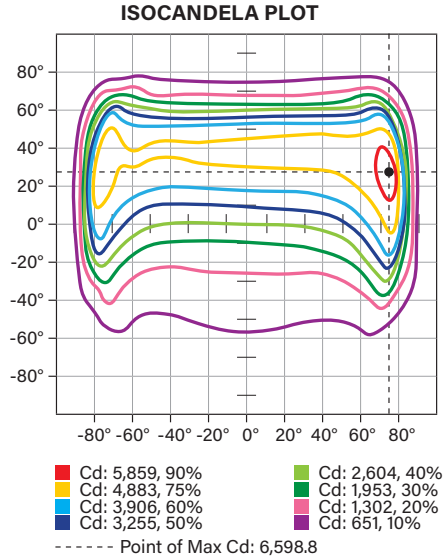
Pole mounted at 35 ft



KT-ALEDXXX-X2-OSA-NM-8XX-VDIM/G2

LED AREA LIGHT FIXTURES

PHOTOMETRIC SPECIFICATIONS KT-ALED70-S2-OSA-NM-8XX-VDIM/G2 (TYPE II [2])



ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Forward Light	8,631.0 lm	74.4%
0°-30°	1,528.2 lm	13.2%
30°-60°	4,841.2 lm	41.7%
60°-80°	2,170.9 lm	18.7%
80°-90°	90.7 lm	0.8%
Back Light	2,972.8 lm	25.6%
0°-30°	743.3 lm	6.4%
30°-60°	1,371.3 lm	11.8%
60°-80°	804.2 lm	6.9%
80°-90°	54.0 lm	0.5%
Up Light	0.0 lm	0.0%
90°-180°	0.0 lm	0.0%
100°-180°	0.0 lm	0.0%

BUG* Rating

Asymmetrical Luminaire Types

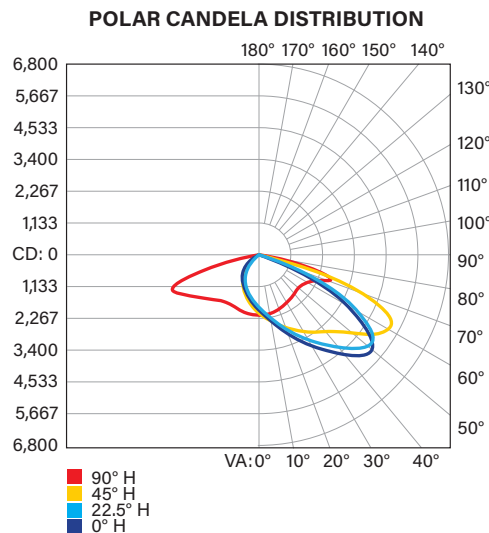
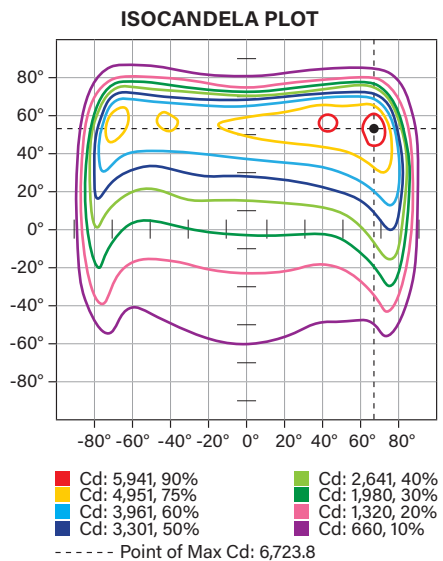
Type I, II, III, IV B2-U0-G2

Quadrilateral Symmetrical Luminaire Types

Type V, Area Light B2-U0-G2

* Backlight, Uplight, Glare

PHOTOMETRIC SPECIFICATIONS KT-ALED70-S2-OSA-NM-8XX-VDIM/G2 (TYPE III [3])



ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Forward Light	8,814.5 lm	77.3%
0°-30°	1,114.5 lm	9.8%
30°-60°	4,505.5 lm	39.5%
60°-80°	3,031.3 lm	26.6%
80°-90°	163.2 lm	1.4%
Back Light	2,578.5 lm	22.7%
0°-30°	655.9 lm	5.8%
30°-60°	1,183.5 lm	10.4%
60°-80°	678.6 lm	6.0%
80°-90°	60.5 lm	0.5%
Up Light	0.0 lm	0.0%
90°-180°	0.0 lm	0.0%
100°-180°	0.0 lm	0.0%

BUG* Rating

Asymmetrical Luminaire Types

Type I, II, III, IV B2-U0-G2

Quadrilateral Symmetrical Luminaire Types

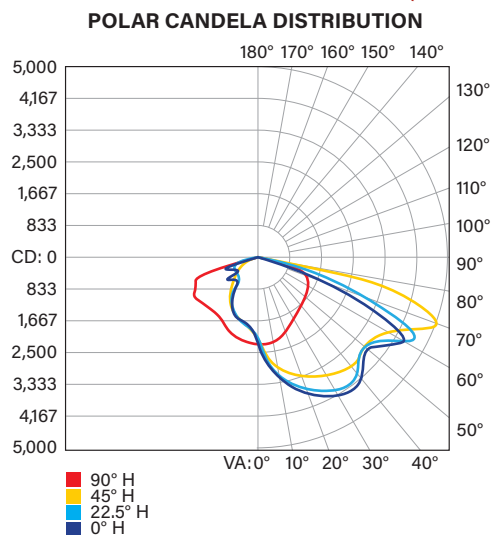
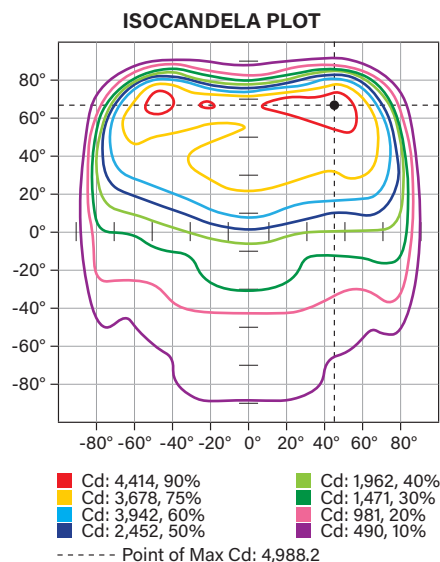
Type V, Area Light B2-U0-G2

* Backlight, Uplight, Glare

KT-ALEDXXX-X2-OSA-NM-8XX-VDIM/G2

LED AREA LIGHT FIXTURES

PHOTOMETRIC SPECIFICATIONS KT-ALED70-S2-OSA-NM-8XX-VDIM/G2 (TYPE IV [4])



ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Forward Light	8,537.3 lm	76.7%
0°-30°	1,293.9 lm	11.6%
30°-60°	4,005.4 lm	36.0%
60°-80°	3,081.7 lm	27.7%
80°-90°	156.3 lm	1.4%
Back Light	2,585.6 lm	23.3%
0°-30°	707.2 lm	6.4%
30°-60°	1,198.5 lm	10.8%
60°-80°	624.9 lm	5.6%
80°-90°	55.0 lm	0.5%
Up Light	0.0 lm	0.0%
90°-180°	0.0 lm	0.0%
100°-180°	0.0 lm	0.0%

BUG* Rating

Asymmetrical Luminaire Types

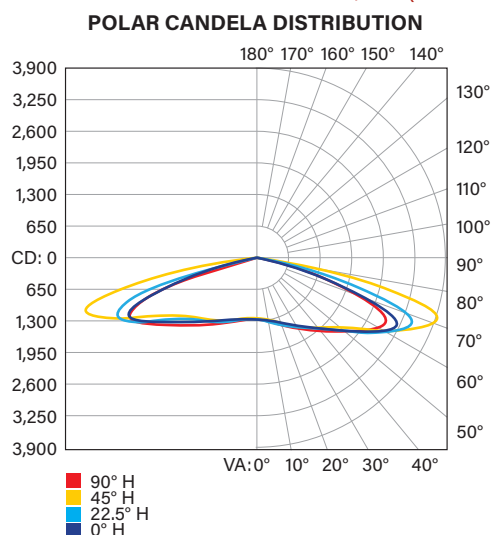
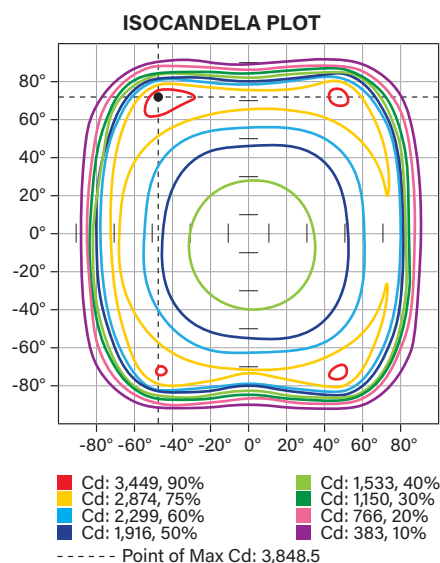
Type I, II, III, IV B2-U0-G2

Quadrilateral Symmetrical Luminaire Types

Type V, Area Light B2-U0-G2

* Backlight, Uplight, Glare

PHOTOMETRIC SPECIFICATIONS KT-ALED70-S2-OSA-NM-8XX-VDIM/G2 (TYPE V [5])



ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Forward Light	5,759.5 lm	51.3%
0°-30°	597.5 lm	5.3%
30°-60°	2,402.6 lm	21.4%
60°-80°	2,623.4 lm	23.4%
80°-90°	136.0 lm	1.2%
Back Light	5,454.3 lm	48.7%
0°-30°	569.5 lm	5.1%
30°-60°	2,229.9 lm	19.9%
60°-80°	2,519.0 lm	22.5%
80°-90°	135.9 lm	1.2%
Up Light	0.0 lm	0.0%
90°-180°	0.0 lm	0.0%
100°-180°	0.0 lm	0.0%

BUG* Rating

Asymmetrical Luminaire Types

Type I, II, III, IV B4-U0-G2

Quadrilateral Symmetrical Luminaire Types

Type V, Area Light B4-U0-G2

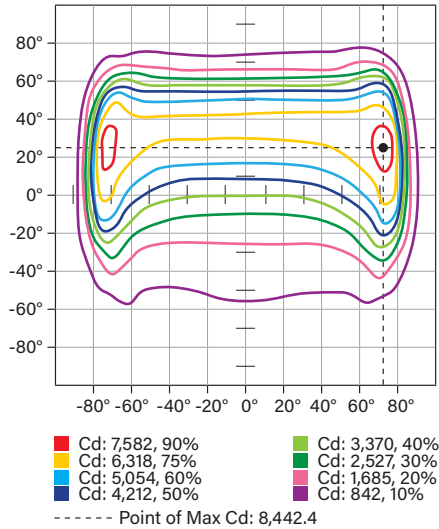
* Backlight, Uplight, Glare

KT-ALEDXXX-X2-OSA-NM-8XX-VDIM/G2

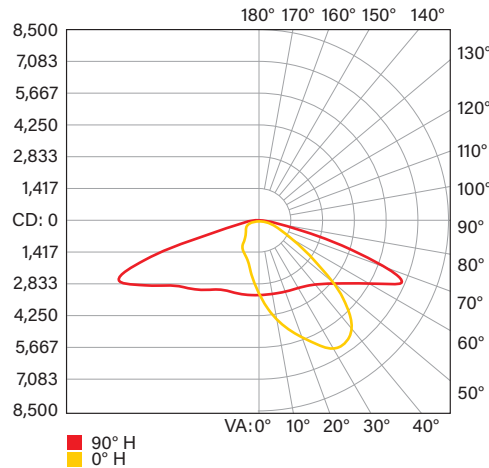
LED AREA LIGHT FIXTURES

PHOTOMETRIC SPECIFICATIONS KT-ALED100-S2-OSA-NM-8XX-VDIM/G2 (TYPE II [2])

ISOCANDELA PLOT



POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Forward Light	11,051.3 lm	74.3%
0°-30°	1,989.6 lm	13.4%
30°-60°	6,249.7 lm	42.0%
60°-80°	2,704.0 lm	18.2%
80°-90°	108.0 lm	0.7%
Back Light	3,840.8 lm	25.9%
0°-30°	962.0 lm	6.5%
30°-60°	1,798.9 lm	12.1%
60°-80°	1,022.3 lm	6.9%
80°-90°	57.6 lm	0.4%
Up Light	0.0 lm	0.0%
90°-180°	0.0 lm	0.0%
100°-180°	0.0 lm	0.0%

BUG* Rating

Asymmetrical Luminaire Types

Type I, II, III, IV B3-U0-G3

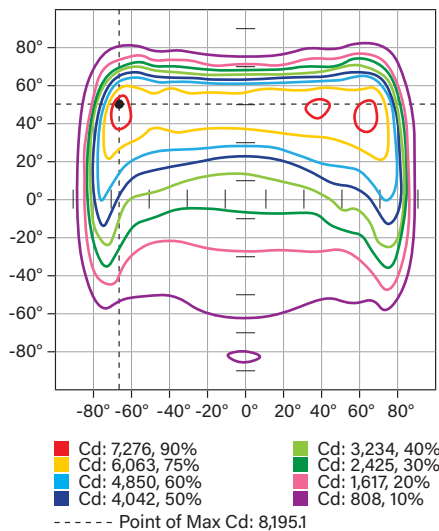
Quadrilateral Symmetrical Luminaire Types

Type V, Area Light B3-U0-G3

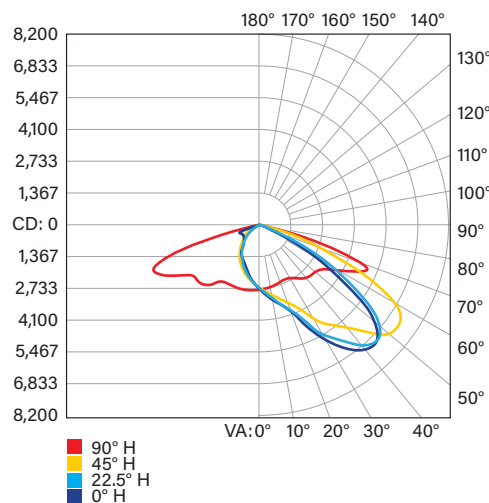
* Backlight, Uplight, Glare

PHOTOMETRIC SPECIFICATIONS KT-ALED100-S2-OSA-NM-8XX-VDIM/G2 (TYPE III [3])

ISOCANDELA PLOT



POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Forward Light	11,290.3 lm	75.8%
0°-30°	1,501.0 lm	10.1%
30°-60°	6,451.6 lm	43.3%
60°-80°	3,218.1 lm	21.6%
80°-90°	119.6 lm	0.8%
Back Light	3,617.3 lm	24.3%
0°-30°	876.9 lm	5.9%
30°-60°	1,673.9 lm	11.2%
60°-80°	982.5 lm	6.6%
80°-90°	84.0 lm	0.6%
Up Light	0.0 lm	0.0%
90°-180°	0.0 lm	0.0%
100°-180°	0.0 lm	0.0%

BUG* Rating

Asymmetrical Luminaire Types

Type I, II, III, IV B2-U0-G2

Quadrilateral Symmetrical Luminaire Types

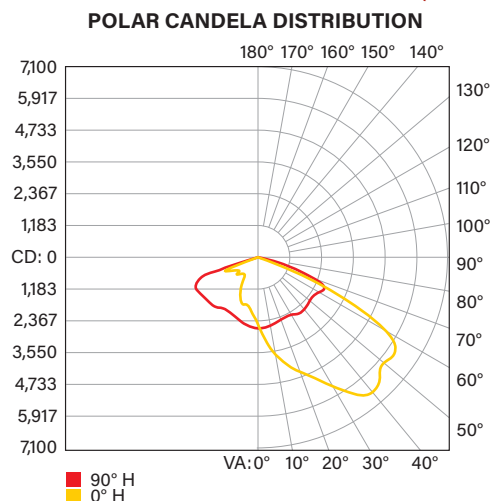
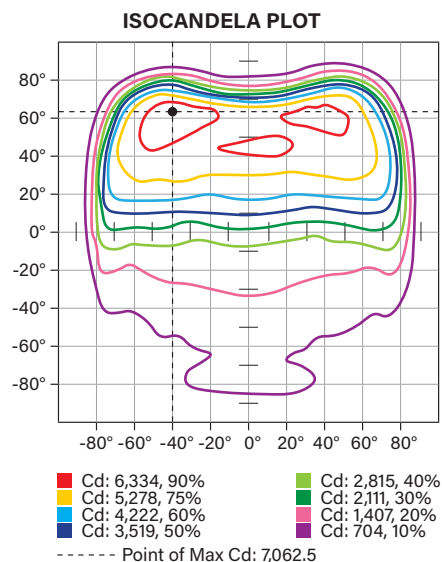
Type V, Area Light B2-U0-G2

* Backlight, Uplight, Glare

KT-ALEDXXX-X2-OSA-NM-8XX-VDIM/G2

LED AREA LIGHT FIXTURES

PHOTOMETRIC SPECIFICATIONS KT-ALED100-S2-OSA-NM-8XX-VDIM/G2 (TYPE IV [4])



ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Forward Light	11,639.0 lm	79.5%
0°-30°	1,592.4 lm	10.9%
30°-60°	6,163.4 lm	42.1%
60°-80°	3,761.3 lm	25.7%
80°-90°	121.9 lm	0.8%
Back Light	2,989.5 lm	20.5%
0°-30°	789.9 lm	5.4%
30°-60°	1,385.9 lm	9.5%
60°-80°	757.7 lm	5.2%
80°-90°	56.0 lm	0.4%
Up Light	0.0 lm	0.0%
90°-180°	0.0 lm	0.0%
100°-180°	0.0 lm	0.0%

BUG* Rating

Asymmetrical Luminaire Types

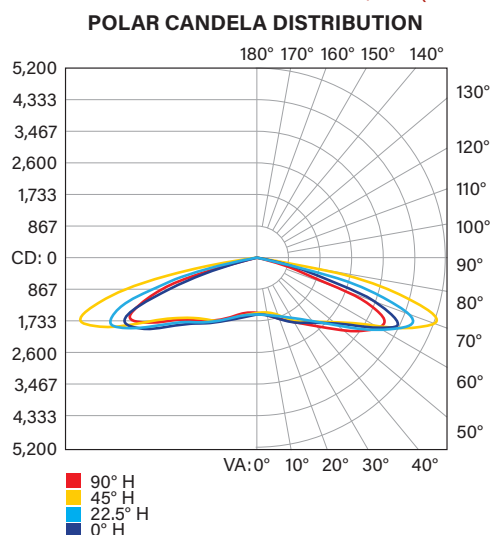
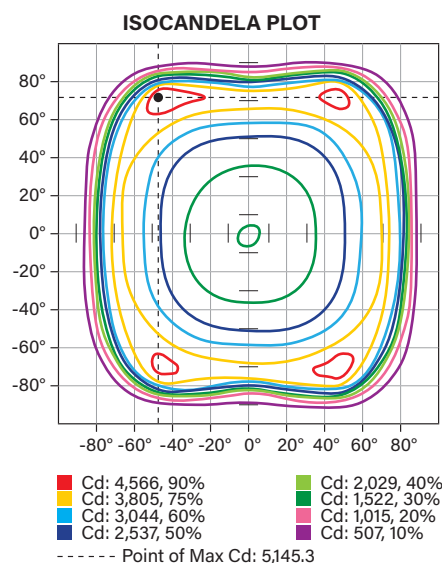
Type I, II, III, IV B2-U0-G2

Quadrilateral Symmetrical Luminaire Types

Type V, Area Light B2-U0-G2

* Backlight, Uplight, Glare

PHOTOMETRIC SPECIFICATIONS KT-ALED100-S2-OSA-NM-8XX-VDIM/G2 (TYPE V [5])



ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Forward Light	7,298.7 lm	50.1%
0°-30°	738.6 lm	5.1%
30°-60°	3,057.8 lm	21.0%
60°-80°	3,364.7 lm	23.1%
80°-90°	137.6 lm	0.9%
Back Light	7,242.5 lm	49.8%
0°-30°	734.1 lm	5.0%
30°-60°	3,090.6 lm	21.3%
60°-80°	3,291.4 lm	22.6%
80°-90°	126.4 lm	0.9%
Up Light	0.0 lm	0.0%
90°-180°	0.0 lm	0.0%
100°-180°	0.0 lm	0.0%

BUG* Rating

Asymmetrical Luminaire Types

Type I, II, III, IV B4-U0-G2

Quadrilateral Symmetrical Luminaire Types

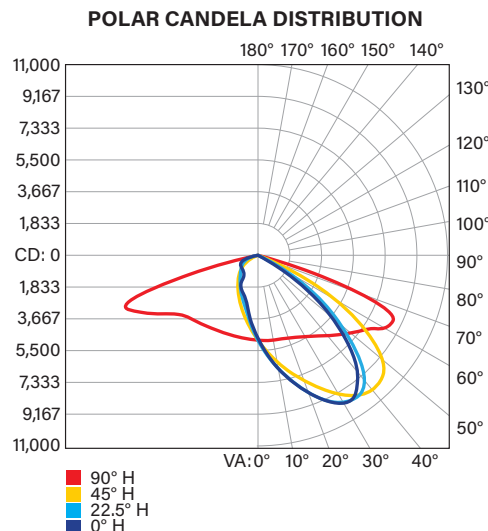
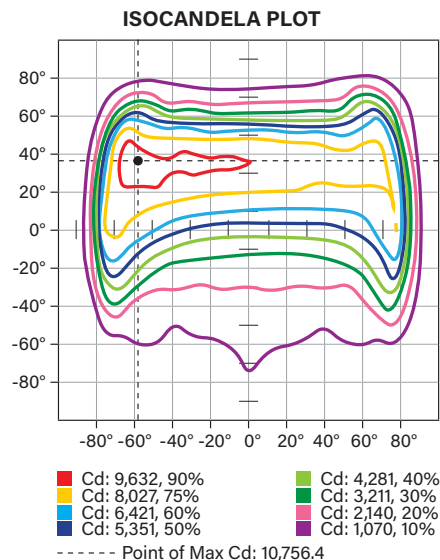
Type V, Area Light B4-U0-G2

* Backlight, Uplight, Glare

KT-ALEDXXX-X2-OSA-NM-8XX-VDIM/G2

LED AREA LIGHT FIXTURES

PHOTOMETRIC SPECIFICATIONS KT-ALED140-M2-OSA-NM-8XX-VDIM/G2 (TYPE II [2])



ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Forward Light	15,251.3 lm	73.3%
0°-30°	2,958.1 lm	14.2%
30°-60°	8,725.7 lm	41.9%
60°-80°	3,426.5 lm	16.5%
80°-90°	141.0 lm	0.7%
Back Light	5,557.7 lm	26.7%
0°-30°	1,369.1 lm	6.6%
30°-60°	2,586.7 lm	12.4%
60°-80°	1,501.8 lm	7.2%
80°-90°	100.1 lm	0.5%
Up Light	0.0 lm	0.0%
90°-180°	0.0 lm	0.0%
100°-180°	0.0 lm	0.0%

BUG* Rating

Asymmetrical Luminaire Types

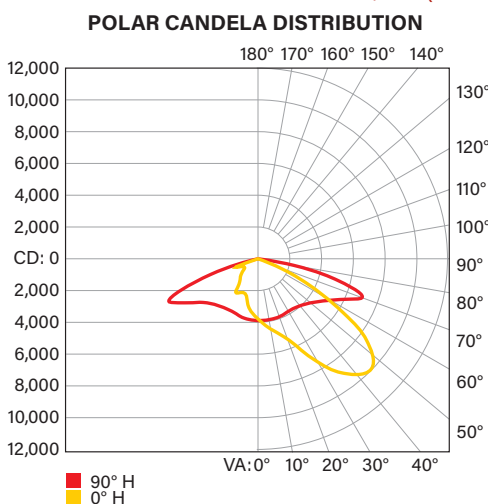
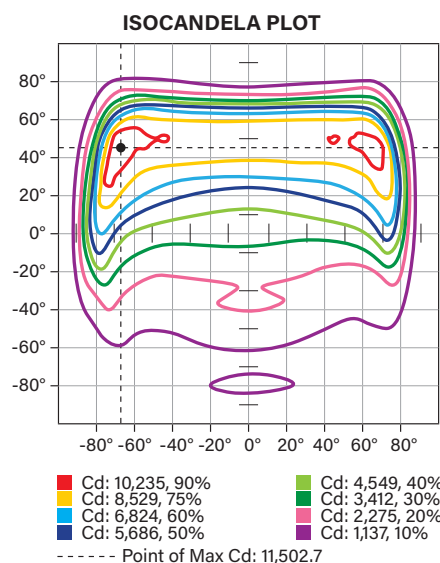
Type I, II, III, IV B3-U0-G3

Quadrilateral Symmetrical Luminaire Types

Type V, Area Light B3-U0-G3

* Backlight, Uplight, Glare

PHOTOMETRIC SPECIFICATIONS KT-ALED140-M2-OSA-NM-8XX-VDIM/G2 (TYPE III [3])



ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Forward Light	15,937.7 lm	77.0%
0°-30°	2,068.6 lm	10.0%
30°-60°	8,981.4 lm	43.4%
60°-80°	4,735.9 lm	22.9%
80°-90°	151.8 lm	0.7%
Back Light	4,775.5 lm	23.0%
0°-30°	1,212.3 lm	5.9%
30°-60°	2,223.2 lm	10.7%
60°-80°	1,249.3 lm	6.0%
80°-90°	90.7 lm	0.4%
Up Light	0.0 lm	0.0%
90°-180°	0.0 lm	0.0%
100°-180°	0.0 lm	0.0%

BUG* Rating

Asymmetrical Luminaire Types

Type I, II, III, IV B3-U0-G3

Quadrilateral Symmetrical Luminaire Types

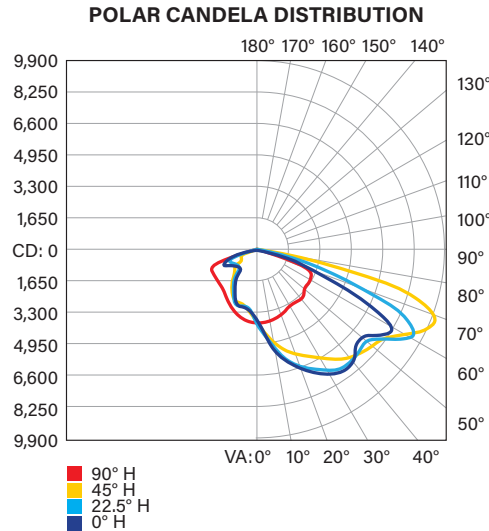
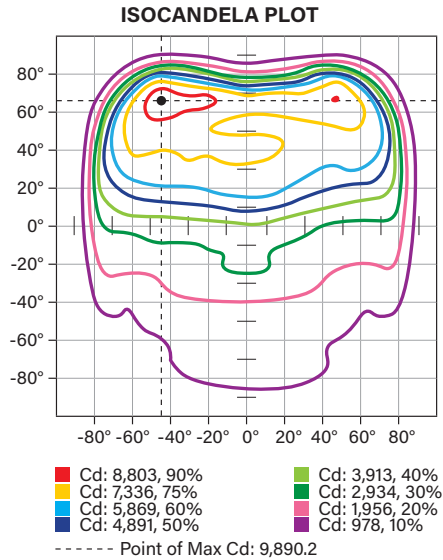
Type V, Area Light B3-U0-G3

* Backlight, Uplight, Glare

KT-ALEDXXX-X2-OSA-NM-8XX-VDIM/G2

LED AREA LIGHT FIXTURES

PHOTOMETRIC SPECIFICATIONS KT-ALED140-M2-OSA-NM-8XX-VDIM/G2 (TYPE IV [4])

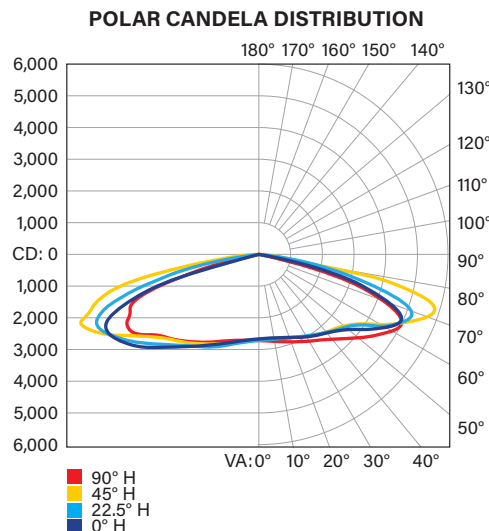
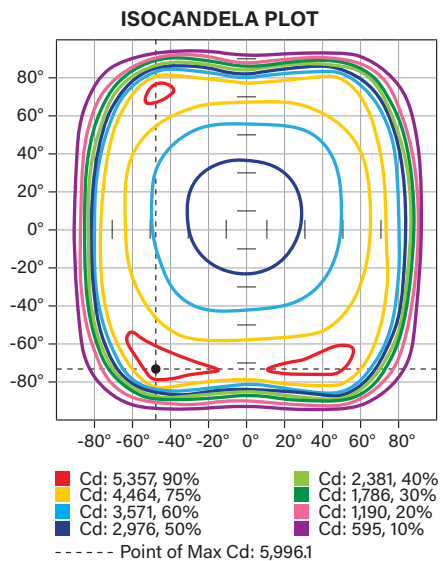


ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Forward Light	15,493.0 lm	76.7%
0°-30°	2,246.5 lm	11.1%
30°-60°	7,423.0 lm	36.8%
60°-80°	5,555.2 lm	27.5%
80°-90°	268.3 lm	1.3%
Back Light	4,672.5 lm	23.1%
0°-30°	1,255.3 lm	6.2%
30°-60°	2,161.4 lm	10.7%
60°-80°	1,157.6 lm	5.7%
80°-90°	98.2 lm	0.5%
Up Light	0.0 lm	0.0%
90°-180°	0.0 lm	0.0%
100°-180°	0.0 lm	0.0%
BUG* Rating		
Asymmetrical Luminaire Types		
Type I, II, III, IV	B3-U0-G3	
Quadrilateral Symmetrical Luminaire Types		
Type V, Area Light	B3-U0-G3	

* Backlight, Uplight, Glare

PHOTOMETRIC SPECIFICATIONS KT-ALED140-M2-OSA-NM-8XX-VDIM/G2 (TYPE V [5])



ZONAL LUMEN SUMMARY

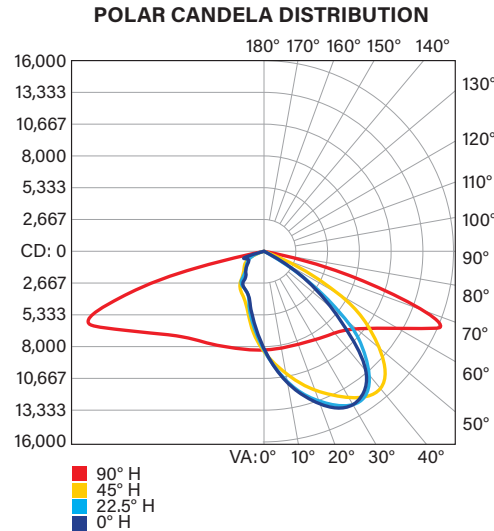
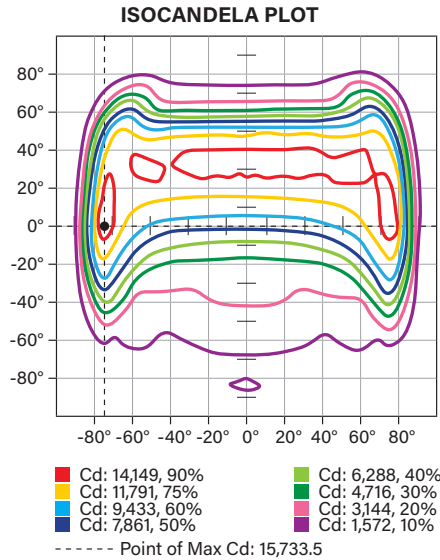
Zone	Lumens	% Luminaire
Forward Light	9,755.3 lm	48.0%
0°-30°	1,170.8 lm	5.8%
30°-60°	4,050.3 lm	19.9%
60°-80°	4,230.7 lm	20.8%
80°-90°	303.5 lm	1.5%
Back Light	10,567.8 lm	52.0%
0°-30°	1,239.3 lm	6.1%
30°-60°	4,548.5 lm	22.4%
60°-80°	4,477.3 lm	22.0%
80°-90°	302.7 lm	1.5%
Up Light	0.0 lm	0.0%
90°-180°	0.0 lm	0.0%
100°-180°	0.0 lm	0.0%
BUG* Rating		
Asymmetrical Luminaire Types		
Type I, II, III, IV		B4-U0-G3
Quadrilateral Symmetrical Luminaire Types		
Type V, Area Light		B4-U0-G3

* Backlight, Uplight, Glare

KT-ALEDXXX-X2-OSA-NM-8XX-VDIM/G2

LED AREA LIGHT FIXTURES

PHOTOMETRIC SPECIFICATIONS KT-ALED210-L2-OSA-NM-8XX-VDIM/G2 (TYPE II [2])

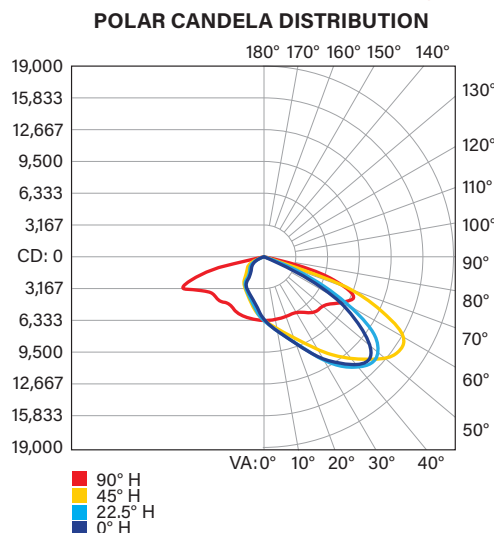
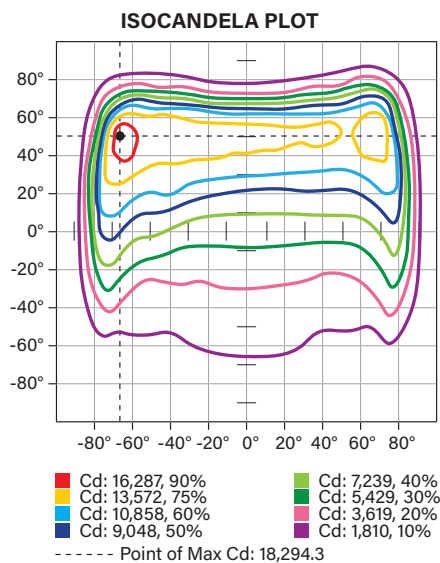


ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Forward Light	23,853.1 lm	71.3%
0°-30°	4,837.4 lm	14.5%
30°-60°	13,483.5 lm	40.3%
60°-80°	5,350.7 lm	16.0%
80°-90°	181.5 lm	0.5%
Back Light	9,565.9 lm	28.7%
0°-30°	2,270.9 lm	6.8%
30°-60°	4,328.1 lm	13.0%
60°-80°	2,759.4 lm	8.3%
80°-90°	207.5 lm	0.6%
Up Light	0.0 lm	0.0%
90°-180°	0.0 lm	0.0%
100°-180°	0.0 lm	0.0%
BUG* Rating		
Asymmetrical Luminaire Types		
Type I, II, III, IV		B4-U0-G4
Quadrilateral Symmetrical Luminaire Types		
Type V, Area Light		B4-U0-G4

* Backlight, Uplight, Glare

PHOTOMETRIC SPECIFICATIONS KT-ALED210-L2-OSA-NM-8XX-VDIM/G2 (TYPE III [3])



ZONAL LUMEN SUMMARY

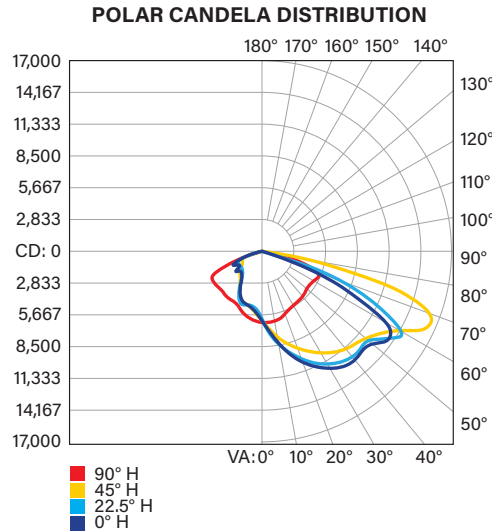
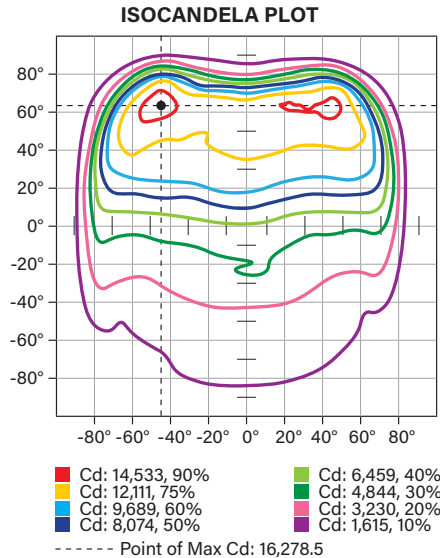
Zone	Lumens	% Luminaire
Forward Light	25,067.8 lm	75.9%
0°-30°	3,433.4 lm	10.4%
30°-60°	13,574.5 lm	41.1%
60°-80°	7,676.4 lm	23.2%
80°-90°	383.5 lm	1.2%
Back Light	7,959.7 lm	24.1%
0°-30°	2,010.3 lm	6.1%
30°-60°	3,746.0 lm	11.3%
60°-80°	1,998.7 lm	6.1%
80°-90°	204.7 lm	0.6%
Up Light	0.0 lm	0.0%
90°-180°	0.0 lm	0.0%
100°-180°	0.0 lm	0.0%
BUG* Rating		
Asymmetrical Luminaire Types		
Type I, II, III, IV		B3-U0-G4
Quadrilateral Symmetrical Luminaire Types		
Type V, Area Light		B3-U0-G4

* Backlight, Uplight, Glare

KT-ALEDXXX-X2-OSA-NM-8XX-VDIM/G2

LED AREA LIGHT FIXTURES

PHOTOMETRIC SPECIFICATIONS KT-ALED210-L2-OSA-NM-8XX-VDIM/G2 (TYPE IV [4])

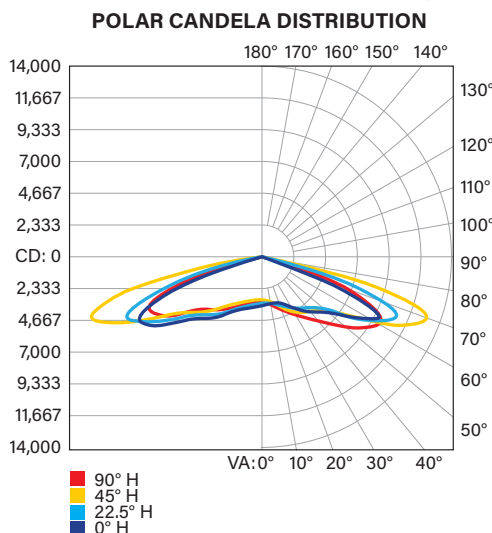
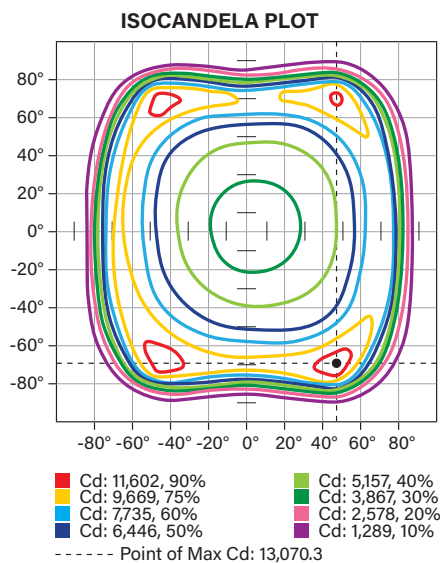


ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Forward Light	25,016.8 lm	75.9%
0°-30°	3,561.8 lm	10.8%
30°-60°	12,502.3 lm	37.9%
60°-80°	8,617.6 lm	26.2%
80°-90°	335.1 lm	1.0%
Back Light	7,929.7 lm	24.1%
0°-30°	2,098.4 lm	6.4%
30°-60°	3,778.3 lm	11.5%
60°-80°	1,912.4 lm	5.8%
80°-90°	140.6 lm	0.4%
Up Light	0.0 lm	0.0%
90°-180°	0.0 lm	0.0%
100°-180°	0.0 lm	0.0%
BUG* Rating		
Asymmetrical Luminaire Types		
Type I, II, III, IV		B3-U0-G4
Quadrilateral Symmetrical Luminaire Types		
Type V, Area Light		B3-U0-G4

* Backlight, Uplight, Glare

PHOTOMETRIC SPECIFICATIONS KT-ALED210-L2-OSA-NM-8XX-VDIM/G2 (TYPE V [5])



ZONAL LUMEN SUMMARY

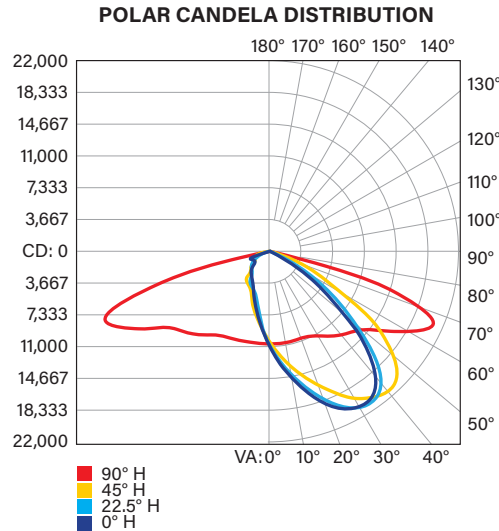
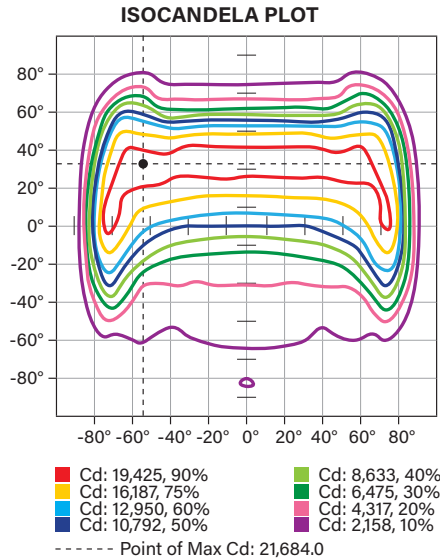
Zone	Lumens	% Luminaire
Forward Light	16,192.4 lm	48.4%
0°-30°	1,595.3 lm	4.8%
30°-60°	7,059.9 lm	21.1%
60°-80°	7,312.8 lm	21.8%
80°-90°	224.4 lm	0.7%
Back Light	17,294.1 lm	51.7%
0°-30°	1,671.0 lm	5.0%
30°-60°	7,811.6 lm	23.3%
60°-80°	7,585.8 lm	22.7%
80°-90°	225.7 lm	0.7%
Up Light	0.0 lm	0.0%
90°-180°	0.0 lm	0.0%
100°-180°	0.0 lm	0.0%
BUG* Rating		
Asymmetrical Luminaire Types		
Type I, II, III, IV		B5-U0-G4
Quadrilateral Symmetrical Luminaire Types		
Type V, Area Light		B5-U0-G4

* Backlight, Uplight, Glare

KT-ALEDXXX-X2-OSA-NM-8XX-VDIM/G2

LED AREA LIGHT FIXTURES

PHOTOMETRIC SPECIFICATIONS KT-ALED290-L2-OSA-NM-8XX-VDIM/G2 (TYPE II [2])

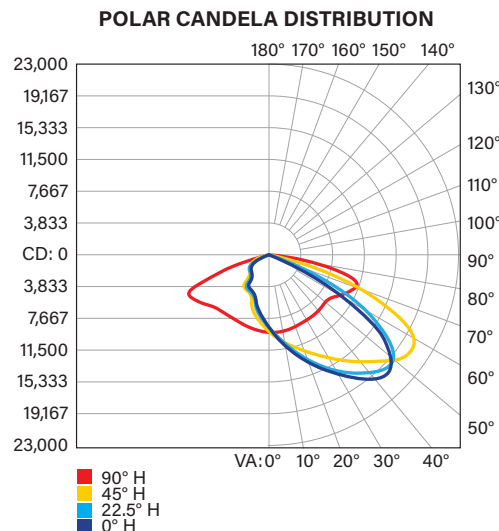
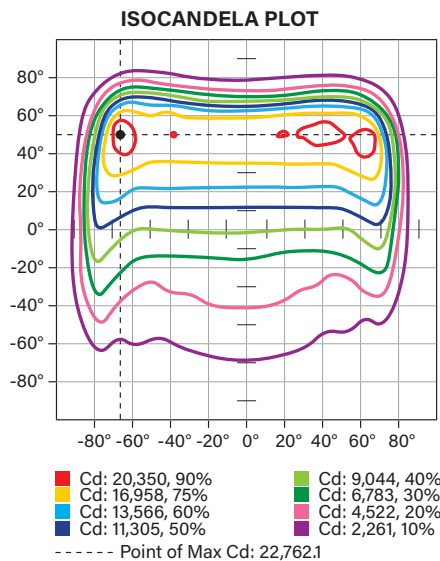


ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Forward Light	33,069.0 lm	73.2%
0°-30°	6,465.6 lm	14.3%
30°-60°	18,959.8 lm	42.0%
60°-80°	7,327.5 lm	16.2%
80°-90°	316.1 lm	0.7%
Back Light	12,098.9 lm	26.8%
0°-30°	2,856.0 lm	6.3%
30°-60°	5,543.8 lm	12.3%
60°-80°	3,463.6 lm	7.7%
80°-90°	235.5 lm	0.5%
Up Light	0.0 lm	0.0%
90°-180°	0.0 lm	0.0%
100°-180°	0.0 lm	0.0%
BUG* Rating		
Asymmetrical Luminaire Types		
Type I, II, III, IV	B4-U0-G4	
Quadrilateral Symmetrical Luminaire Types		
Type V, Area Light	B4-U0-G4	

* Backlight, Uplight, Glare

PHOTOMETRIC SPECIFICATIONS KT-ALED290-L2-OSA-NM-8XX-VDIM/G2 (TYPE III [3])



ZONAL LUMEN SUMMARY

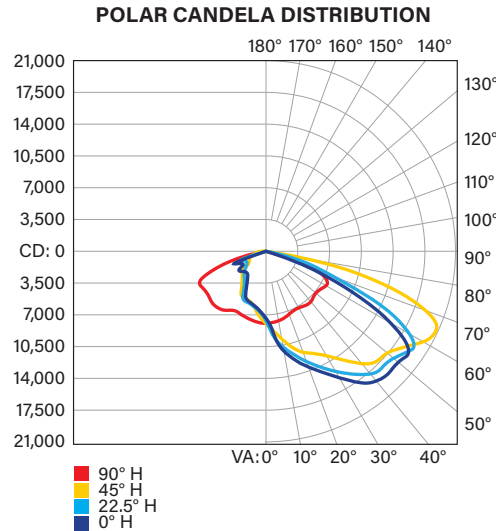
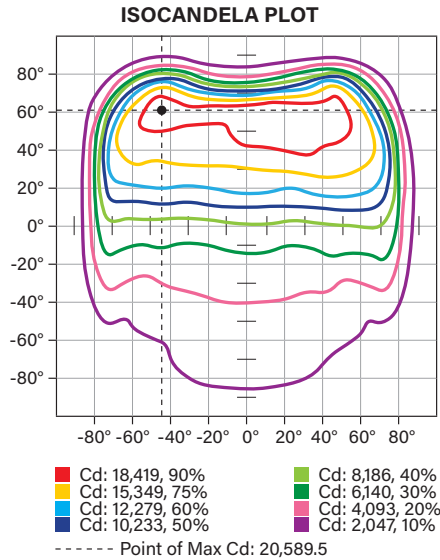
Zone	Lumens	% Luminaire
Forward Light	33,633.0 lm	75.5%
0°-30°	5,017.9 lm	11.3%
30°-60°	18,629.8 lm	41.8%
60°-80°	9,683.2 lm	21.7%
80°-90°	302.1 lm	0.7%
Back Light	10,916.5 lm	24.5%
0°-30°	2,912.2 lm	6.5%
30°-60°	5,209.0 lm	11.7%
60°-80°	2,532.9 lm	5.7%
80°-90°	262.4 lm	0.6%
Up Light	0.0 lm	0.0%
90°-180°	0.0 lm	0.0%
100°-180°	0.0 lm	0.0%
BUG* Rating		
Asymmetrical Luminaire Types		
Type I, II, III, IV		B4-U0-G4
Quadrilateral Symmetrical Luminaire Types		
Type V, Area Light		B4-U0-G4

* Backlight, Uplight, Glare

KT-ALEDXXX-X2-OSA-NM-8XX-VDIM/G2

LED AREA LIGHT FIXTURES

PHOTOMETRIC SPECIFICATIONS KT-ALED290-L2-OSA-NM-8XX-VDIM/G2 (TYPE IV [4])

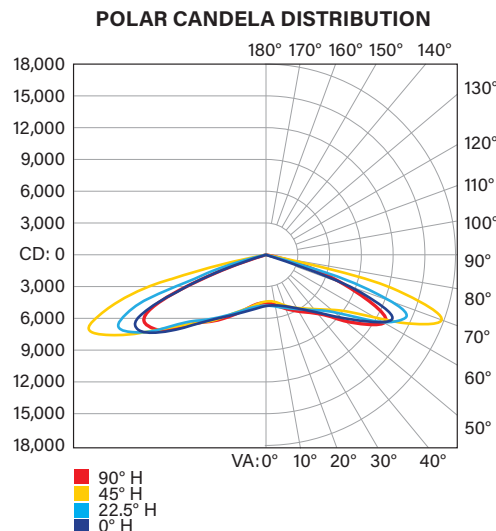
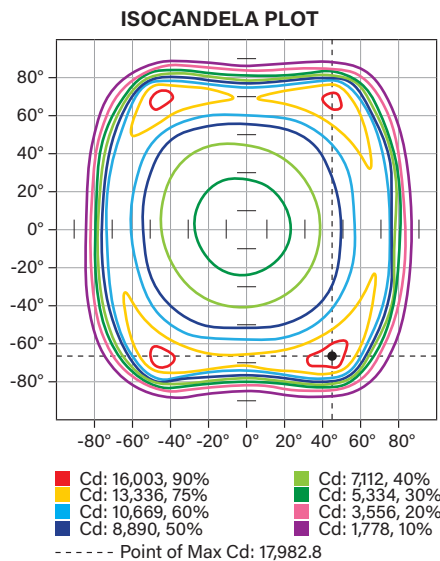


ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Forward Light	34,442.3 lm	77.1%
0°-30°	4,698.0 lm	10.5%
30°-60°	18,159.3 lm	40.7%
60°-80°	11,082.0 lm	24.8%
80°-90°	503.0 lm	1.1%
Back Light	10,157.3 lm	22.8%
0°-30°	2,588.5 lm	5.8%
30°-60°	4,852.3 lm	10.9%
60°-80°	2,527.1 lm	5.7%
80°-90°	189.4 lm	0.4%
Up Light	0.0 lm	0.0%
90°-180°	0.0 lm	0.0%
100°-180°	0.0 lm	0.0%
BUG* Rating		
Asymmetrical Luminaire Types		
Type I, II, III, IV	B4-U0-G4	
Quadrilateral Symmetrical Luminaire Types		
Type V, Area Light	B4-U0-G4	

* Backlight, Uplight, Glare

PHOTOMETRIC SPECIFICATIONS KT-ALED290-L2-OSA-NM-8XX-VDIM/G2 (TYPE V [5])



ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Forward Light	22,500.0 lm	49.6%
0°-30°	2,168.1 lm	4.8%
30°-60°	9,929.7 lm	21.9%
60°-80°	10,073.9 lm	22.2%
80°-90°	328.3 lm	0.7%
Back Light	22,869.2 lm	50.5%
0°-30°	2,247.9 lm	5.0%
30°-60°	10,748.8 lm	23.7%
60°-80°	9,651.9 lm	21.3%
80°-90°	220.6 lm	0.5%
Up Light	0.0 lm	0.0%
90°-180°	0.0 lm	0.0%
100°-180°	0.0 lm	0.0%
BUG* Rating		
Asymmetrical Luminaire Types		
Type I, II, III, IV		B5-U0-G4
Quadrilateral Symmetrical Luminaire Types		
Type V, Area Light		B5-U0-G4

* Backlight, Uplight, Glare

KT-ALEDXXX-X2-OSA-NM-8XX-VDIM/G2

LED AREA LIGHT FIXTURES

EPA SPECIFICATIONS

SMALL, MEDIUM, AND LARGE SIZE FIXTURE HOUSINGS

Conditions: Horizontal winds only for calculations. Worst case total projected area used for calculations. All drag coefficients are set as worst case 1.2.
For details on exact EPA calculations and assumptions, please contact productsupport@keystonetech.com

EPA Calcs (1.2*ft^2 View)		Single Fixture	2 Fixtures at 90°	2 Fixtures at 180°	3 Fixtures at 90°	3 Fixtures at 120°	4 Fixtures at 90°	2 Fixtures Side-by-Side	3 Fixtures Side-by-Side	4 Fixtures Side-by-Side
Mounting Application	Fixture Position (Size)									
Adjustable Pole Mount 	Horizontal (S)	0.50 sq. ft.	0.73 sq. ft.	1.00 sq. ft.	1.17 sq. ft.	1.21 sq. ft.	1.17 sq. ft.	0.56 sq. ft.	0.85 sq. ft.	1.13 sq. ft.
	Horizontal (M)	0.50 sq. ft.	0.78 sq. ft.	1.01 sq. ft.	1.19 sq. ft.	1.28 sq. ft.	1.19 sq. ft.	0.74 sq. ft.	1.11 sq. ft.	1.48 sq. ft.
	Horizontal (L)	0.62 sq. ft.	0.90 sq. ft.	1.24 sq. ft.	1.42 sq. ft.	1.48 sq. ft.	1.42 sq. ft.	0.74 sq. ft.	1.11 sq. ft.	1.48 sq. ft.
Adjustable Pole Mount 	45° (S)	0.93 sq. ft.	1.41 sq. ft.	1.00 sq. ft.	1.89 sq. ft.	2.57 sq. ft.	1.89 sq. ft.	1.86 sq. ft.	2.78 sq. ft.	3.71 sq. ft.
	45° (M)	1.27 sq. ft.	1.73 sq. ft.	1.27 sq. ft.	2.20 sq. ft.	3.05 sq. ft.	2.20 sq. ft.	5.53 sq. ft.	3.80 sq. ft.	5.07 sq. ft.
	45° (L)	1.85 sq. ft.	2.43 sq. ft.	1.85 sq. ft.	3.01 sq. ft.	4.42 sq. ft.	3.01 sq. ft.	3.70 sq. ft.	5.55 sq. ft.	7.40 sq. ft.
Slipfitter Mount 	Horizontal (S)	0.48 sq. ft.	0.81 sq. ft.	0.96 sq. ft.	1.28 sq. ft.	1.31 sq. ft.	1.28 sq. ft.	0.69 sq. ft.	1.04 sq. ft.	1.38 sq. ft.
	Horizontal (M)	0.48 sq. ft.	0.87 sq. ft.	0.97 sq. ft.	1.30 sq. ft.	1.37 sq. ft.	1.30 sq. ft.	0.86 sq. ft.	1.30 sq. ft.	1.73 sq. ft.
	Horizontal (L)	0.60 sq. ft.	0.98 sq. ft.	1.20 sq. ft.	1.53 sq. ft.	1.57 sq. ft.	1.53 sq. ft.	0.86 sq. ft.	1.30 sq. ft.	1.73 sq. ft.
Slipfitter Mount 	45° (S)	1.00 sq. ft.	1.48 sq. ft.	1.00 sq. ft.	1.94 sq. ft.	2.63 sq. ft.	1.96 sq. ft.	2.00 sq. ft.	3.00 sq. ft.	4.00 sq. ft.
	45° (M)	1.34 sq. ft.	1.80 sq. ft.	1.34 sq. ft.	2.28 sq. ft.	3.06 sq. ft.	2.28 sq. ft.	2.67 sq. ft.	4.01 sq. ft.	5.35 sq. ft.
	45° (L)	1.92 sq. ft.	2.51 sq. ft.	1.92 sq. ft.	3.09 sq. ft.	4.39 sq. ft.	3.09 sq. ft.	3.84 sq. ft.	5.76 sq. ft.	7.68 sq. ft.
Slipfitter Mount 	Vertical (S)	1.32 sq. ft.	1.79 sq. ft.	1.32 sq. ft.	2.27 sq. ft.	2.70 sq. ft.	2.27 sq. ft.	2.64 sq. ft.	3.95 sq. ft.	5.27 sq. ft.
	Vertical (M)	1.76 sq. ft.	2.25 sq. ft.	1.76 sq. ft.	2.73 sq. ft.	2.94 sq. ft.	2.73 sq. ft.	3.53 sq. ft.	5.29 sq. ft.	7.06 sq. ft.
	Vertical (L)	2.59 sq. ft.	3.19 sq. ft.	2.59 sq. ft.	3.80 sq. ft.	4.07 sq. ft.	3.80 sq. ft.	5.18 sq. ft.	7.77 sq. ft.	10.35 sq. ft.

KT-ALEDXXX-X2-OSA-NM-8XX-VDIM/G2

LED AREA LIGHT FIXTURES

ACCESSORIES (SOLD SEPARATELY)

SENSORS/CONTROLLERS

Factory-Installable OR Field-Installable (field-installable purchased separately)

✓	SUFFIX*	CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
	/3PN	KT-TLP-UV-3PN	NEMA Type Twist-Lock 3-Pin Photocell 120-277V 1800VA Max Blue	843654131825	NQT-46
	/MW3	KTS-MW3-12V-PKO	12V Microwave Occupancy Sensor	843654130637	TRM-32
	/FC3**	KTSL-FC3-12V-PKO-PIR	Bluetooth mesh wireless screw-in LED controller for SmartLoop system Integrated daylight sensor PIR motion sensor	843654138862	OCW-60
	/FC4	KTSL-FC4-12V-PKO	Bluetooth mesh wireless screw-in low voltage fixture controller for SmartLoop system	843654149066	RUN-10



Twist-Lock
Photocell
KT-TLP-UV-3PN



Microwave
Occupancy Sensor
KTS-MW3-12V-PKO



SmartLoop PIR
Motion Sensor**
KTSL-FC3-12V-PKO-PIR



SmartLoop Controller
KTSL-FC4-12V-PKO

* For factory installation of accessory, add suffix to fixture part number (see ordering examples and instructions on last page of spec sheet).

** When installing on Keystone area lights, use small thin gasket provided with the sensor to ensure proper electrical connection and a water-tight seal. Hand tighten only. (Do NOT use the larger thick gasket. Sensor will not make electrical contact with thick gasket.) PIR sensors may not always perform reliably in typical outdoor environments. Ensure sensors are used and commissioned with this in mind. Consult Keystone for further information on the matter. When using KTSL-FC3-12V-PKO-PIR in applications with photosensor control for dusk to dawn, use 3-pin twist-lock photocells (KT-TLP-UV-3PN) for optimal functionality.

Field-Installable / Field-Use ONLY (purchased separately)

CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
KTS-MW3-REMOTECONTROL	Remote control for KTS-MW3-12V-XX Sensors Sets and adjusts all sensor performance parameters	843654132020	XSR-61



Remote Control
KTS-MW3-REMOTECONTROL

(Accessories continued on next page)

KT-ALEDXXX-X2-OSA-NM-8XX-VDIM/G2

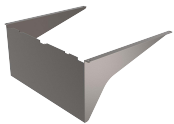
LED AREA LIGHT FIXTURES

ACCESSORIES (SOLD SEPARATELY) (continued)

MOUNTS/BRACKETS

Field-Installable / Field-Use ONLY (purchased separately)

CATALOG NUMBER	DESCRIPTION	HOUSING COLOR	UPC	EASY CODE
KT-ALED-GS-S2-KIT	Reversible glare shield Small size	Bronze	843654153780	PME-57
KT-ALED-GS-M2-KIT	Reversible glare shield Medium size	Bronze	843654153797	HEM-55
KT-ALED-GS-L2-KIT	Reversible glare shield Large size	Bronze	843654153810	RDW-18
KT-ALED-GS-S2-R-KIT	Right-side mounted glare shield Small size	Bronze	843654163918	YRJ-64
KT-ALED-GS-S2-L-KIT	Left-side mounted glare shield Small size	Bronze	843654163925	BRZ-54
KT-ALED-GS-M2-R-KIT	Right-side mounted glare shield Medium size	Bronze	843654163895	OYO-78
KT-ALED-GS-M2-L-KIT	Left-side mounted glare shield Medium size	Bronze	843654163901	GLB-48
KT-ALED-GS-L2-R-KIT	Right-side mounted glare shield Large size	Bronze	843654163871	KAV-10
KT-ALED-GS-L2-L-KIT	Left-side mounted glare shield Large size	Bronze	843654163888	PND-07
KT-ALED-USF-1-KIT	Universal slipfitter mount Suitable for 2 3/8" tenon, square or round poles	Bronze	843654173740	PAS-59
KT-ALED-PMA-1-KIT	Adjustable pole mount kit Suitable for round or square poles	Bronze	843654131634	DAQ-87
KT-ALED-PM-1-KIT	Fixed pole mount kit Suitable for round or square poles	Bronze	843654131627	QVG-29
KT-ALED-TM-1-KIT	Trunnion mount kit	Bronze	843654131658	GTH-37
KT-ALED-WM-1-KIT	Wall mount kit	Bronze	843654158952	QCV-37



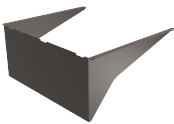
Reversible Glare Shield
KT-ALED-GS-S2-KIT



Left-Side Glare Shield
KT-ALED-GS-S2-L-KIT



Right-Side Glare Shield
KT-ALED-GS-S2-R-KIT



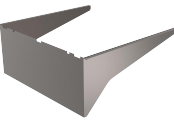
Reversible Glare Shield
KT-ALED-GS-M2-KIT



Left-Side Glare Shield
KT-ALED-GS-M2-L-KIT



Right-Side Glare Shield
KT-ALED-GS-M2-R-KIT



Reversible Glare Shield
KT-ALED-GS-L2-KIT



Left-Side Glare Shield
KT-ALED-GS-L2-L-KIT



Right-Side Glare Shield
KT-ALED-GS-L2-R-KIT

Note: Wall mount adaptor must be used with adjustable or fixed pole mounts

(Accessories continued on next page)

KT-ALEDXXX-X2-OSA-NM-8XX-VDIM/G2

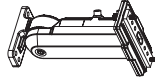
LED AREA LIGHT FIXTURES

ACCESSORIES (SOLD SEPARATELY) (continued)

Universal Slipfitter Mount

Fits 2 3/8" tenon OR square pole OR round pole

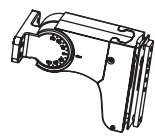
Catalog Number	UPC	Easy Code
KT-ALED-USF-1-KIT	843654173740	PAS-59



Adjustable Pole Mount

For round OR square pole

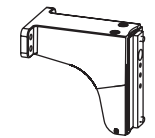
Catalog Number	UPC	Easy Code
KT-ALED-PMA-1-KIT	843654131634	DAQ-87



Fixed Pole Mount

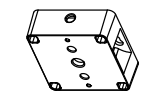
For round OR square pole

Catalog Number	UPC	Easy Code
KT-ALED-PM-1-KIT	843654131627	QVG-29



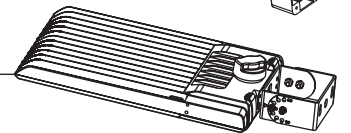
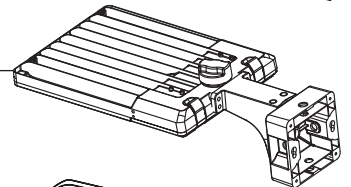
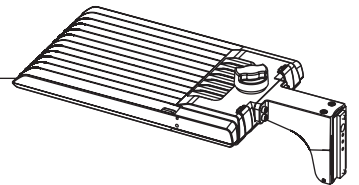
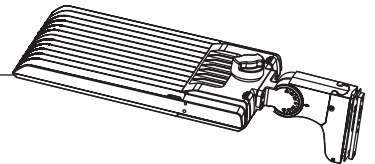
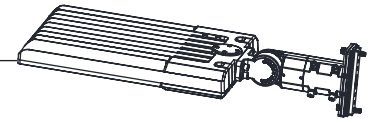
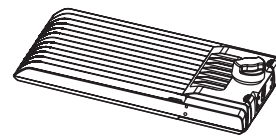
Wall Mount

Catalog Number	UPC	Easy Code
KT-ALED-WM-1-KIT	843654158952	QCV-37



Trunnion Mount

Catalog Number	UPC	Easy Code
KT-ALED-TM-1-KIT	843654131658	GTH-37



Note: Wall mount adaptor must be used with adjustable or fixed pole mounts
Note: For other finishes, contact Keystone

(Accessories continued on next page)


XFIT
optic_{swap}

KT-ALEDXXX-X2-OSA-NM-8XX-VDIM/G2

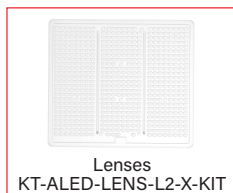
LED AREA LIGHT FIXTURES

ACCESSORIES (SOLD SEPARATELY) (continued)

LENSES/REFLECTORS

Field-Installable / Field-Use **ONLY** (purchased separately)

CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
KT-ALED-LENS-S2-2-KIT	Type II optics lens Used on Series 2 area lights Small size	843654154008	DGC-35
KT-ALED-LENS-S2-4-KT	Type IV optics lens Used on Series 2 area lights Small size	843654154022	LKK-25
KT-ALED-LENS-M2-2-KIT	Type II optics lens Used on Series 2 area lights Medium size	843654153926	UDR-71
KT-ALED-LENS-M2-4-KIT	Type IV optics lens Used on Series 2 area lights Medium size	843654153964	PNA-91
KT-ALED-LENS-L2-2-KIT	Type II optics lens Used on Series 2 area lights Large size	843654153841	NFU-40
KT-ALED-LENS-L2-4-KIT	Type IV optics lens Used on Series 2 area lights Large size	843654153889	BSU-72



ORDERING INFORMATION

ORDER CODE	UPC	Easy Code	DLC PRODUCT ID
KT-ALED70-S2-OSA-NM-840-VDIM/G2	843654172828	ZGR-09	S-3LKGZ8
KT-ALED70-S2-OSA-NM-840-VDIM/G2/TAA	843654184197	WSY-82	
KT-ALED70-S2-OSA-NM-850-VDIM/G2	843654172835	VSW-16	S-Y9G3YR
KT-ALED70-S2-OSA-NM-850-VDIM/G2/TAA	TBD	TBD	
KT-ALED100-S2-OSA-NM-840-VDIM/G2	843654172842	GWV-80	S-H2XDQ9
KT-ALED100-S2-OSA-NM-840-VDIM/G2/TAA	TBD	TBD	
KT-ALED100-S2-OSA-NM-850-VDIM/G2	843654172859	JPQ-55	S-V4LZKL
KT-ALED100-S2-OSA-NM-850-VDIM/G2/TAA	TBD	TBD	
KT-ALED140-M2-OSA-NM-840-VDIM/G2	843654172866	LWF-94	S-HYRMCX
KT-ALED140-M2-OSA-NM-840-VDIM/G2/TAA	TBD	TBD	
KT-ALED140-M2-OSA-NM-850-VDIM/G2	843654172873	ZIN-03	S-BVF43N
KT-ALED140-M2-OSA-NM-850-VDIM/G2/TAA	TBD	TBD	
KT-ALED210-L2-OSA-NM-840-VDIM/G2	843654172880	CEL-92	S-RJCYVM
KT-ALED210-L2-OSA-NM-840-VDIM/G2/TAA	TBD	TBD	
KT-ALED210-L2-OSA-NM-850-VDIM/G2	843654172897	VND-66	S-NMXS5M
KT-ALED210-L2-OSA-NM-850-VDIM/G2/TAA	TBD	TBD	
KT-ALED290-L2-OSA-NM-840-VDIM/G2	843654172903	MFJ-53	S-PD60KV
KT-ALED290-L2-OSA-NM-840-VDIM/G2/TAA	TBD	TBD	
KT-ALED290-L2-OSA-NM-850-VDIM/G2	843654172910	AVY-26	S-F1DNHZ
KT-ALED290-L2-OSA-NM-850-VDIM/G2/TAA	TBD	TBD	


XFIT
optic_{swap}

KT-ALEDXXX-X2-OSA-NM-8XX-VDIM/G2

LED AREA LIGHT FIXTURES

CATALOG NUMBER BREAKDOWN

KT-ALEDXXX-X2-OSA-NM-8XX-VDIM/G2

1	2	3	4	5	6	7	8	9	10	11	12	13	14		
1 Keystone Technologies	2 Area Light	3 LED Technology	4 Wattage	5 Size / Shape	6 Style / Design Designation	7 OpticSwap Designation	8 OpticSwap Designation	9 No Mounting	10 80 CRI	11 CCT	12 0-10V Dimming	13 Generation 2	14 TAA Compliant		
			70	70W		S	Small			A	Type III lens installed, Type V lens included	40	4000K	/TAA	Made In Mexico
			100	100W		M	Medium					50	5000K		
			140	140W		L	Large								
			210	210W											
			290	290W											

ORDERING EXAMPLES

FIXTURE WITH SINGLE FACTORY-INSTALLED ACCESSORY

KT-ALED70-S2-OSA-NM-850-VDIM/G2 /FC3

FIXTURE WITH NO FACTORY-INSTALLED ACCESSORIES

KT-ALED70-S2-OSA-NM-850-VDIM/G2

KEYSTONE FIXTURE

CATALOG NUMBER

KT-ALED70-S2-OSA-NM-850-VDIM/G2

SENSORS

✓	SUFFIX	CATALOG NUMBER
✓	/FC3	KTSL-FC3-12V-PKO-PIR

* When ordering more than one factory-installed accessory, use multiple suffixes as shown in the ordering examples above.

Note: All accessories can also be ordered separately for field installation using just their regular Catalog Number, UPC, or Easy Code.