

Evolve® LED Area Light

Compact Low Wattage (EACL)

Catalog Logic

Project Name _____

Date _____ Type _____

Notes _____

EACL 01

7

PROD. ID	GEN	VOLTAGE	OPTIC CODE	DISTRIBUTION	CRI (min)	CCT	DIMMING ²	CONTROLS	MOUNTING ARM	COLOR	OPTIONS
E = Evolve	01	0 = 120-277 ¹	Ax=3000	AF = Asymmetric Forward	7 = 70	30 = 3000K ¹¹	N = Dimming thru PE receptacle ¹²	1 = None	C1 = Integral Slip-fitter for 1.25"- 2" Pipe (1.66in. OD - 2.378 in. OD) ⁴	GRAY = Gray	F = Fusing
AC = Compact Area Light		H = 347-480 ¹	Bx=5000	AW = Asymmetric Wide		40 = 4000K	D = External Dimming 18/2-3ft cable ¹²	A = ANSI 7-pin PE receptacle (no control)	D1 = Universal Mounting Arm, fitted for round or square pole mounting ⁵	BLCK = Black	H = Motion Sensor (Sensor Switch) ⁸
L = Low Voltage			Cx=7500	AN = Asymmetric Narrow/Auto		50 = 5000K	X = No PE receptacle, no external dimming leads ¹³	D = ANSI 7-pin PE receptacle with shorting cap provided	K1 = Knuckle Slipfitter for 1.9 in - 2.3in. OD Tenon ^{5,6}	DKBZ = Dark Bronze	H1 = Motion Sensor w/LightGrid
		1 = 120	Dx=10000					E = ANSI C136.41 7-pin with Non-Dimming PE Control ³	S1 = Knuckle Slipfitter for 2.3in. - 3.0in OD Tenon ^{5,6}	WHITE = White	H2 = Motion Sensor (Daintree) ⁸
		2 = 208	Dx=10000						V1 = Knuckle Wall Mount ^{5,6}		H4 = Motion Sensor (Wattstopper)
		3 = 240	Ex=12500								J = cUL/Canada
		4 = 277	Fx=15000								L = Tool-Less Entry
		5 = 480	Hx=20000								R = Enhanced Surge Protection (10kV/ 5kA)
		D = 347									U = DALI dimming ⁷
											V0 = 3-Position Terminal Block
											V1 = Variable output via Field Adjustable Module
											Y = Coastal Finish ¹⁰
											XXX = Special Options

¹ Not Available with Fusing, Must Choose a Discrete Voltage with "F" Option Code

² Note Standard Dimming is 0-10V

³ PE Control only available for 120-277V, 347V or 480V Discrete Voltage.

⁴ Supplied with 3ft leads

⁵ Supplied with 16/3 ft Cable

⁶ Restricted Aiming Angle of 0-45°

⁷ Compatible with LightGrid Wireless Control Nodes, Not Compatible with Motion Sensor Control

⁸ Not available in 347V, 480V or 347-480V

¹⁰ Recommended for installations within 750 feet from coast. Lead time varies, check with factory.

¹¹ Select 3000K CCT for IDA approved fixtures.

¹² Can only be ordered with Controls A, D or E

¹³ Can on be used with controls option 1

Evolve® LED Area Light

Compact Low Wattage (EACL)

Spec Tables

Project Name _____

Date _____ Type _____

Notes _____

OPTICAL CODE	DIST CODE	CLASSIFICATION	TYPICAL LUMENS		TYPICAL SYSTEM WATTAGE		BUG RATING	
			3000K	4000K & 5000K	120-277V	347-480V	3000K	4000K & 5000K
A4	AF	TYPE IV	2900	2900	21	23	B1-UO-G1	B1-UO-G1
B4			4900	4900	36	38	B1-UO-G1	B1-UO-G1
C4			7300	7300	55		B1-UO-G2	B1-UO-G2
D4			9800	9800	73		B2-UO-G2	B2-UO-G2
E4			12200	12200	95		B2-UO-G2	B2-UO-G2
F4			14700	14700	122		B2-UO-G2	B2-UO-G2
H4			19000	19000	153		B3-UO-G3	B3-UO-G3
A3	AW	TYPE III	2900	3000	21	23	B1-UO-G1	B1-UO-G1
B3			4900	5100	36	38	B1-UO-G1	B1-UO-G1
C3			7400	7600	55		B1-UO-G2	B1-UO-G2
D3			9900	10200	73		B2-UO-G2	B2-UO-G2
E3			12400	12700	95		B2-UO-G2	B2-UO-G2
F3			14900	15300	122		B2-UO-G2	B2-UO-G2
H3			19300	20400	153		B3-UO-G2	B3-UO-G2
A2	AN	TYPE II	2900	3000	21	23	B1-UO-G1	B1-UO-G1
B2			4900	5000	36	38	B1-UO-G1	B1-UO-G1
C2			7300	7500	55		B2-UO-G1	B2-UO-G2
D2			9800	10100	73		B2-UO-G2	B2-UO-G2
E2			12300	12600	95		B2-UO-G2	B2-UO-G2
F2			14700	15100	122		B3-UO-G2	B3-UO-G3
H2			19100	20200	153		B3-UO-G3	B3-UO-G3

For additional information on EACL IES files, please click one of the following links:

[Non-Shielded](#)

[Shielded](#)

Ordering Information

EALS 03

7

PRODUCT ID	GENERATION	VOLTAGE	OPTICAL CODE	DISTRIBUTION	CRI	CCT	DIMMING ²	CONTROLS	MOUNTING ARM	COLOR	OPTIONS
E= Evolve	03	0 ¹ =120-277V	Cx =7500 ¹⁴	SM = Symmetric Medium	7 = 70 (min)	30 ¹¹ = 3000K	N = Dimming thru PE receptacle	A = ANSI C136.41 7-Pin Receptacle (No Control)	C1 ⁴ = Integral Slipfitter: Standard	BLCK = Black	F= Fusing
AL= Area Light		H ¹ = 347-480V	Dx = 10000 lm ¹⁵	SW = Symmetric Wide		40 = 4000K	D = External Dimming 18/2 3 ft Cable	D = ANSI C136.417-Pin Receptacle with Shorting Cap	D1 ⁵ = Universal Mounting Arm: Fitted for round or square pole mounting	DKBZ = Dark Bronze	H = Motion Sensor ^{3, 14, 16} (Sensor Switch)
S = Standard		E ¹⁰ = 277-480V	Fx = 15000 lm	SH = Symmetric High Angle		50 = 5000K	X = Non dimming, no external dimming leads ¹³	E ³ = ANSI C136.41 7-pin with Non-Dimming PE Control	K1 ^{4, 6} = Knuckle Slipfitter: For 1.9 in. - 2.3 in OD Tenon	GRAY = Gray	H1 = LightGrid w/ WattStopper ¹⁴
			Hx = 20000 lm	AF = Asymmetric Forward					S1 ^{4, 6} = Knuckle Slipfitter: For 2.3 in. - 3.0 in OD Tenon	WHITE = White	H2 = Daintree enabled motion sensor ^{14, 16}
		1 = 120V	Jx = 25000 lm	AH = Asymmetric High Angle					V1 ^{4, 6} = Knuckle Wall Mount		H4 = Motion Sensor (WattStopper) ¹⁴
		2 = 208V	Kx = 30000 lm	AW = Asymmetric Wide							J = cUL/Canada
		3 = 240V		AN = Asymmetric Narrow/Auto							L = Tool-Less Entry
		4 = 277V									R = Enhanced Surge Protection (10kV/5kA)
		D = 347V									S1 ¹² = Rotated Left
		5 = 480V									S2 ¹² = Rotated Right
											T = Extreme Surge Protection (20kV/10kA)
											U ⁷ = DALI Programmable
											V = 3 Position Terminal Block
											Y ¹⁰ = Coastal Finish
											XXX = Special Options

¹ Not Available with Fusing, Must Choose a Discrete Voltage with "F" Option Code

² Note Standard Dimming is 0-10V

³ Not available in 277-480V

⁴ Supplied with 3ft leads

⁵ Supplied with 16/3 ft Cable

⁶ Restricted Aiming Angle of 0-45°

⁷ Compatible with LightGrid Wireless Control Nodes, Not Compatible with Motion Sensor Control

⁸ Not available in 347V, 480V or 347-480V

⁹ Only available with F,H,J,K optics

¹⁰ Recommended for installations within 750 feet from coast. Lead time varies, check with factory.

¹¹ Select 3000K CCT for IDA approved fixtures.

¹² For aimed left of right light distribution orientation, as assembled in manufacturing. Not applicable for Symmetric Distributions

¹³ Required for Cx optical codes only, not available for other optic codes

¹⁴ Not available with DALI

¹⁵ DALI option not available with 347V, 480V, or 347-480V

¹⁶ Not available with 20kV/10kA SPD

CUSTOMER NAME _____

PROJECT NAME _____

DATE _____ TYPE _____

CATALOG NUMBER _____

TYPE	OPTIC CODE	DISTRIBUTION	TYPICAL INITIAL LUMENS		TYPICAL SYSTEM WATTAGE 120-277 & 347-480V	BUG RATINGS	
			3000K	4000K & 5000K		3000K B-U-G	4000 & 5000K B-U-G
TYPE V	C5	Symmetric Medium (SM)	7300	7500	46	B3-U0-G1	B3-U0-G1
	D5	Symmetric Medium (SM)	9800	10000	64	B3-U0-G1	B3-U0-G1
	F5	Symmetric Medium (SM)	14700	15000	101	B4-U0-G2	B4-U0-G2
	H5	Symmetric Medium (SM)	19600	20000	140	B4-U0-G2	B4-U0-G2
	J5	Symmetric Medium (SM)	24500	25000	186	B4-U0-G2	B4-U0-G2
	K5	Symmetric Medium (SM)	29400	30000	239	B5-U0-G3	B5-U0-G3
	C5	Symmetric Wide (SW)	7300	7500	46	B2-U0-G1	B2-U0-G1
	D5	Symmetric Wide (SW)	9800	10100	64	B3-U0-G1	B3-U0-G1
	F5	Symmetric Wide (SW)	14700	15100	101	B3-U0-G2	B3-U0-G2
	H5	Symmetric Wide (SW)	19700	20200	140	B4-U0-G2	B4-U0-G2
	J5	Symmetric Wide (SW)	24600	25200	186	B4-U0-G2	B4-U0-G2
	K5	Symmetric Wide (SW)	29600	30300	239	B5-U0-G2	B5-U0-G2
	C5	Symmetric High Angle (SH)	7000	7200	46	B3-U0-G1	B3-U0-G1
	D5	Symmetric High Angle (SH)	9400	9600	64	B3-U0-G2	B3-U0-G2
	F5	Symmetric High Angle (SH)	14200	14500	101	B4-U0-G2	B4-U0-G2
	H5	Symmetric High Angle (SH)	18900	19300	140	B4-U0-G2	B4-U0-G2
	J5	Symmetric High Angle (SH)	23600	24100	186	B5-U0-G3	B5-U0-G3
	K5	Symmetric High Angle (SH)	28400	29000	239	B5-U0-G3	B5-U0-G3
TYPE IV	C4	Asymmetric Forward (AF)	7300	7500	50	B1-U0-G2	B1-U0-G2
	D4	Asymmetric Forward (AF)	9800	10000	70	B2-U0-G2	B2-U0-G2
	F4	Asymmetric Forward (AF)	14700	15000	116	B2-U0-G2	B2-U0-G2
	H4	Asymmetric Forward (AF)	19600	20000	140	B3-U0-G3	B3-U0-G3
	J4	Asymmetric Forward (AF)	24500	25000	186	B3-U0-G3	B3-U0-G3
	K4	Asymmetric Forward (AF)	29400	30000	239	B3-U0-G4	B3-U0-G4
	C4	Asymmetric High Angle (AH)	7000	7200	50	B2-U0-G2	B2-U0-G2
	D4	Asymmetric High Angle (AH)	9400	9600	70	B2-U0-G2	B2-U0-G2
	F4	Asymmetric High Angle (AH)	14200	14500	116	B3-U0-G3	B3-U0-G3
	H4	Asymmetric High Angle (AH)	18900	19300	140	B3-U0-G3	B3-U0-G4
	J4	Asymmetric High Angle (AH)	23600	24100	186	B3-U0-G4	B3-U0-G4
	K4	Asymmetric High Angle (AH)	28400	29000	239	B3-U0-G4	B3-U0-G4
TYPE III	C3	Asymmetric Wide (AW)	7300	7500	50	B2-U0-G1	B2-U0-G1
	D3	Asymmetric Wide (AW)	8900	10100	70	B2-U0-G2	B2-U0-G2
	F3	Asymmetric Wide (AW)	14700	15100	116	B2-U0-G2	B2-U0-G2
	H3	Asymmetric Wide (AW)	19800	20200	140	B3-U0-G2	B3-U0-G3
	J3	Asymmetric Wide (AW)	24600	25200	186	B3-U0-G3	B3-U0-G3
	K3	Asymmetric Wide (AW)	29600	30300	239	B3-U0-G3	B3-U0-G3
TYPE II	C2	Asymmetric Narrow/Auto (AN)	7300	7500	50	B3-U0-G2	B2-U0-G2
	D2	Asymmetric Narrow/Auto (AN)	9800	10100	70	B2-U0-G2	B2-U0-G2
	F2	Asymmetric Narrow/Auto (AN)	14700	15100	116	B2-U0-G2	B3-U0-G3
	H2	Asymmetric Narrow/Auto (AN)	19700	20200	140	B3-U0-G3	B3-U0-G3
	J2	Asymmetric Narrow/Auto (AN)	24600	25200	186	B3-U0-G3	B3-U0-G3
	K2	Asymmetric Narrow/Auto (AN)	29600	30300	239	B3-U0-G3	B3-U0-G3

For additional information on EALS files, please click one of the following links:

Non-Shielded

Shielded

Ordering Information

EWAS 01

7

FM

PROD. ID	GEN	VOLTAGE	OPTIC CODE	DISTRIBUTION	CRI (MIN)	CCT	DIMMING	PE FUNCTION	MOUNTING	COLOR	OPTIONS
E = Evolve	01	0 = 120-277V	Ax = 3000 lm	AF = Asymmetric Forward	7 = 70 CRI	30 = 3000K ¹¹	D = External Dimming leads	1 = None	FM = Flush Mount	BLCK = Black	EMBB = Emergency Batter Backup ⁴
W = Wallpack		H = 347-480V	Bx = 5000 lm	AN = Asymmetric Narrow		40 = 4000K	N = No external Dimming Leads	3 = Button PE ^{12,3}		DKBZ = Dark Bronze	
AS = A-Series			Cx = 7500 lm	AW = Asymmetric Wide		50 = 5000K		A = ANSI C136.41 7-Pin Receptacle		GRAY = Gray	R = Enhanced Surge Protection (10kV/5kA)
		1 = 120V	Dx = 10000 lm					D = ANSI C136.417-Pin Receptacle with Shorting Cap		WHITE = White	T = Extreme Surge Protection (20kV/10kA)
		2 = 208V	Ex = 12200 lm					E = ANSI C136.41 7-Pin with Non-Dimming PE Control ¹²			H = Motion Sensor ^{5,6}
		3 = 240V	Fx = 14400 lm								H2 = Daintree Motion Sensor ^{7,8,9}
		4 = 277V	Gx = 17000 lm								Y = Coastal Finish ¹⁰
		D = 347V									XXX = Special Options
		5 = 480V									

¹ Button PE not available with motion sensor option.

² Only available with discreet voltages.

³ Not available with voltage options 0, H, or 5.

⁴ Available with A and B Optical Codes Only

⁵ H Motion Sensor Bottom mount available with A, B, C, D, & E Optical Codes Only

⁶ H Motion Sensor Side Mount available with F & G Optical Codes Only

⁷ H2 Daintree Motion Sensor Bottom mount available with A, B, C, D, & E Optical Codes Only

⁸ H2 Not Available with F & G Optical Codes

⁹ Not available in 347V, 480V or 347-480V

¹⁰ Recommended for installations within 750 feet from coast. Lead time varies, check with factory.

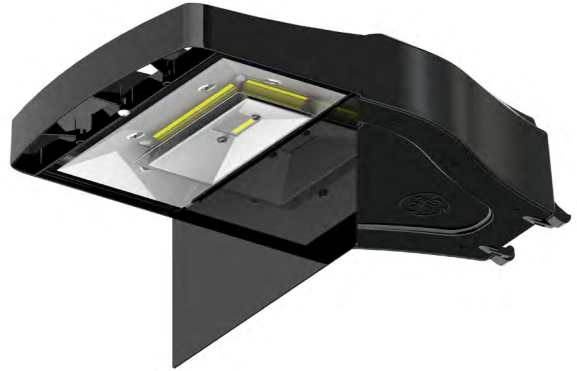
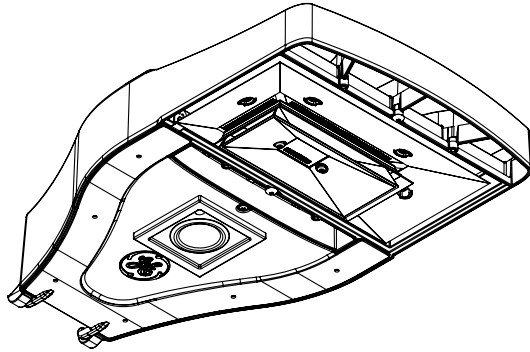
¹¹ Select 3000K CCT for IDA approved fixtures.

¹² PE Control only available for 120-277V, 347V or 480V Discrete Voltage.

TYPE	OPTIC CODE	DISTRIBUTION	TYPICAL INITIAL LUMENS		TYPICAL SYSTEM WATTAGE		BUG RATINGS	
			3000K	4000K & 5000K	120-277V	347-480V	3000K	4000K & 5000K
							B-U-G	B-U-G
Type IV	A4	Asymmetric Forward (AF)	2900	3000	21	23	B1-U0-G1	B1-U0-G1
	B4		4900	5000	36	38	B1-U0-G1	B1-U0-G1
	C4		7300	7500	56		B1-U0-G2	B1-U0-G2
	D4		9800	10000	77		B2-U0-G2	B2-U0-G2
	E4		11500	12200	89		B2-U0-G2	B2-U0-G2
	F4		13600	14400	109		B2-U0-G2	B2-U0-G2
	G4		16100	17000	130		B3-U0-G3	B3-U0-G3
Type III	A3	Asymmetric Wide (AW)	2900	3000	21	23	B1-U0-G1	B1-U0-G1
	B3		4900	5100	36	38	B1-U0-G1	B1-U0-G1
	C3		7400	7600	56		B2-U0-G1	B2-U0-G1
	D3		9900	10200	77		B2-U0-G2	B2-U0-G2
	E3		11700	12400	89		B2-U0-G2	B2-U0-G2
	F3		13900	14700	109		B2-U0-G2	B2-U0-G2
	G3		16400	17300	130		B2-U0-G2	B3-U0-G2
Type II	A2	Asymmetric Narrow/ Auto (AN)	2900	3000	21	23	B1-U0-G1	B1-U0-G1
	B2		4900	5000	36	38	B1-U0-G1	B1-U0-G1
	C2		7300	7500	56		B2-U0-G1	B2-U0-G2
	D2		9800	10100	77		B2-U0-G2	B2-U0-G2
	E2		11600	12300	89		B2-U0-G2	B2-U0-G2
	F2		13700	14500	109		B3-U0-G3	B3-U0-G3
	G2		16200	17100	130		B3-U0-G3	B3-U0-G3

For additional information on EWAS IES files, please click the following link:

[EWAS IES Files](#)



PE Accessories (To Be Order Separately)

SAP NUMBER	PART NUMBER	DESCRIPTION
93123552	WANSI - 277	ANSI 136.41 Dimming PE Danitree Enable, 105-305V
93123553	WANSI - 480	ANSI 136.41 Dimming PE Danitree Enable, 312-530V
93029237	PED-MV-LED-7	ANSI C136.41 Dimming PE, 120-277V
93029238	PED-347-LED-7	ANSI C136.41 Dimming PE, 347V
93029239	PED-480-LED-7	ANSI C136.41 Dimming PE, 480V

SAP NUMBER	PART NUMBER	DESCRIPTION
28299	PEC0TL	STANDARD 120-277V
28294	PEC5TL	STANDARD 480V
80436	PECDTL	STANDARD 347V
73251	SCCL-PECTL	Shorting cap

Back Light Shield

SHIELD ORIENTATIONS	CUTOFF DISTANCE	SHIELD ORDER LOGIC
Back	Long	ELS-EACL-RBL-BLCK

TYPE AUTO SHIELDING

Shield Orientation	Cutoff Distance	Fixture Type	Shield Order Logic
Back	Long	2 Module	ELS-EAL-FBL-BLCK

TYPE V SHIELDING

Shield Orientation	Cutoff Distance	Fixture Type	Shield Order Logic
Any Side	0.5	2 Module (Symmetric Medium)	ELS-EAL-MS1-BLCK
	1		ELS-EAL-MS2-BLCK
	1.5		ELS-EAL-MS3-BLCK
	2		ELS-EAL-MS4-BLCK
	2.5		ELS-EAL-MS5-BLCK
Any Side	0.5	2 Module (Symmetric Wide)	ELS-EAL-SS1-BLCK
	1		ELS-EAL-SS2-BLCK
	1.5		ELS-EAL-SS3-BLCK
	2		ELS-EAL-SS4-BLCK
	2.5		ELS-EAL-SS5-BLCK

TYPE IV SHIELDING

Shield Orientation	Cutoff Distance	Fixture Type	Shield Order Logic
Front	1	2 Module	ELS-EAL-FF2-BLCK
	1.5		ELS-EAL-FF3-BLCK
	2		ELS-EAL-FF4-BLCK
	2.5		ELS-EAL-FF5-BLCK
Front	1	1 Module	ELS-EAL-RF2-BLCK
	1.5		ELS-EAL-RF3-BLCK
	2		ELS-EAL-RF4-BLCK
	2.5		ELS-EAL-RF5-BLCK
Side	0.5	2 Module	ELS-EAL-FS1-BLCK
	1		ELS-EAL-FS2-BLCK
	1.5		ELS-EAL-FS3-BLCK
	2		ELS-EAL-FS4-BLCK
	2.5		ELS-EAL-FS5-BLCK
Side	0.5	1 Module	ELS-EAL-RS1-BLCK
	1		ELS-EAL-RS2-BLCK
	1.5		ELS-EAL-RS3-BLCK
	2		ELS-EAL-RS4-BLCK
	2.5		ELS-EAL-RS5-BLCK
Back	Short	2 Module	ELS-EAL-FBN-BLCK
	Long		ELS-EAL-FBL-BLCK
Back	Long	1 Module	ELS-EAL-RBL-BLCK



POLE SPECIFICATIONS

MATERIAL:

Round Non-Tapered Aluminum

ALLOY:

6061-T6

POLE HEIGHT:

10' - 16'

FINISH:

Available in textured or smooth.

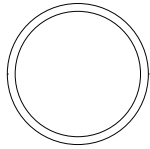
OPTIONS:

GFI - Ground Fault Receptacle

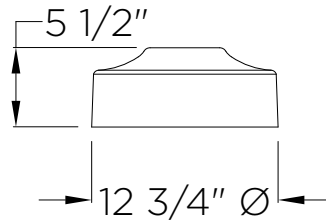
BA - Banner Arms

FPH - Flower Pot Holder

FH - Flag Holder

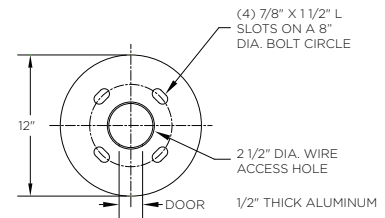
CROSS SECTION:

Round Non-Tapered (RE)

DECORATIVE BASE
DETAILS

BASEPLATE DETAILS

Baseplate		Bolt Circle		Anchor Bolts	
Circle (in)	Thickness (in)	Dia (in)	+/- (in)	Dia x Length x Hook (in)	Projection (in)
12	0.5	8	0	0.75 x 27 x 3.75	3



HOW TO ORDER

SHAFT STYLE			HEIGHT			COMPLETE WITH			PAINT COLOR					
RE - Round Non-Tapered			10, 11, 12, 13, 14, 15, 16			To be supplied by King Luminaire			GN - Federal Green, BE - Blue, GY - Gray, BN - Brown, BK - Black, BZ - Bronze					
KAS2 - RE - A - 16 - 4 - 0.125 - C/W - [] - [] - []									*Additional options available on website					
STYLE	MATERIAL	BUTT DIAMETER	WALL THICKNESS	TENON (POST TOP)	OPTIONS									
KAS2 - Agility #2	A - Aluminum	4	0.125	140 35/35 140 30/30	GFI - Ground Fault Receptacle BA - Banner Arms FPH - Flower Pot Holder FH - Flag Holder									

POLE DETAILS

KAS2 AGILITY #2

RE ALUMINUM // Pole Details

Nominal Mounting Height (ft)	Catalog Code	Alloy	Butt (in)	Tip (in)	Wall Thickness (in)	Handhole	Wt. (lbs) *
10	KAS2-RE-A-10-4-0.125	6061-T6	4	4	0.125	2" x 4" (8-1/2" AG)	25.0
11	KAS2-RE-A-11-4-0.125	6061-T6	4	4	0.125	2" x 4" (8-1/2" AG)	27.0
12	KAS2-RE-A-12-4-0.125	6061-T6	4	4	0.125	2" x 4" (8-1/2" AG)	29.0
13	KAS2-RE-A-13-4-0.125	6061-T6	4	4	0.125	2" x 4" (8-1/2" AG)	31.0
14	KAS2-RE-A-14-4-0.125	6061-T6	4	4	0.125	2" x 4" (8-1/2" AG)	33.0
15	KAS2-RE-A-15-4-0.125	6061-T6	4	4	0.125	2" x 4" (8-1/2" AG)	35.0
16	KAS2-RE-A-16-4-0.125	6061-T6	4	4	0.125	2" x 4" (8-1/2" AG)	36.0

* Weight includes the pole shaft, baseplate, and decorative cover.

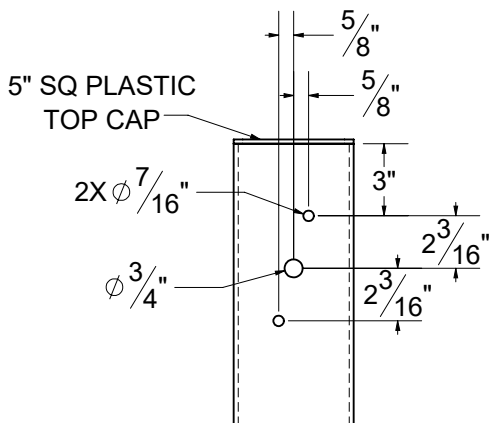
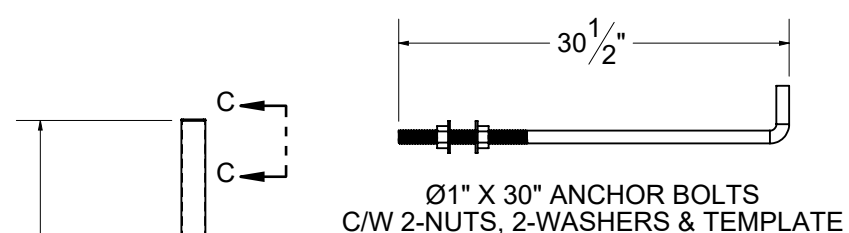
SHAFT LOADING

RE ALUMINUM // Loading

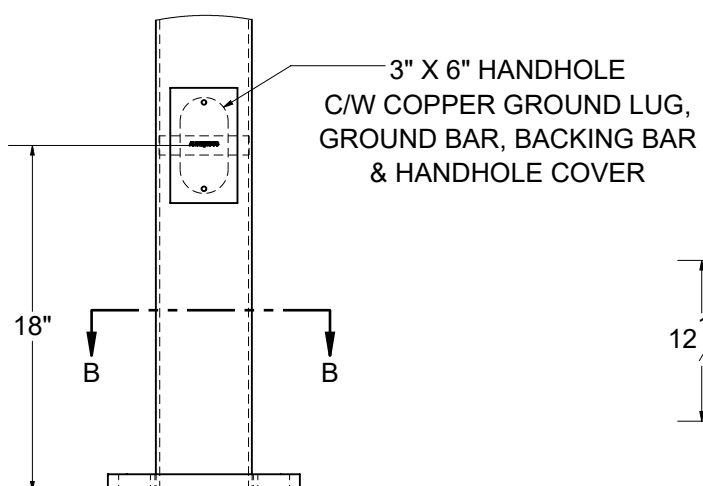
Nominal Mounting Height (ft)	Catalog Code	Design Information // AASHTO LTS-6, Latest Revision **									
		90 MPH		100 MPH		110 MPH		120 MPH		150 MPH	
		Max EPA (sq ft)	Max Load (lbs)	Max EPA (sq ft)	Max Load (lbs)	Max EPA (sq ft)	Max Load (lbs)	Max EPA (sq ft)	Max Load (lbs)	Max EPA (sq ft)	Max Load (lbs)
10	KAS2-RE-A-10-4-0.125	4.6	200	3.4	200	2.5	200	1.9	200	1.0	200
11	KAS2-RE-A-11-4-0.125	3.7	200	2.7	200	1.9	200	1.3	200	0.6	200
12	KAS2-RE-A-12-4-0.125	3.0	200	2.0	200	1.3	200	0.8	200	-	-
13	KAS2-RE-A-13-4-0.125	2.3	200	1.5	200	0.8	200	-	-	-	-
14	KAS2-RE-A-14-4-0.125	1.8	200	1.0	200	-	-	-	-	-	-
15	KAS2-RE-A-15-4-0.125	1.2	200	0.5	200	-	-	-	-	-	-
16	KAS2-RE-A-16-4-0.125	0.7	200	-	-	-	-	-	-	-	-

** EPA represents the Effective Projected Area of the attachments on the pole. Designs are limited to post top luminaires or attachments located at or below the mounting height. Consult factory for poles supporting attachments located above the mounting height.

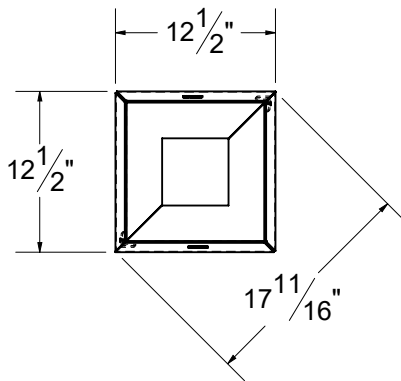
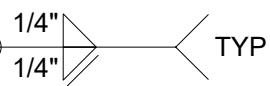
05-19-2022



SECTION C-C
SCALE 1 : 8
1X SIDE DRILL
TEMPLATE 11



DETAIL A
SCALE 1 : 10

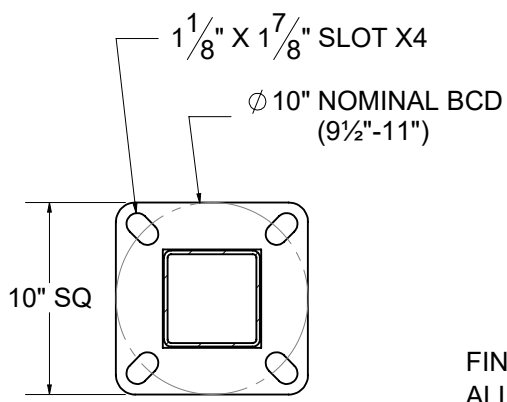


S11 BASE COVER

27'

5" SQ

.188 THK



SECTION B-B
SCALE 1 : 10

FINISH: POWDER COAT BLACK
ALL WELDING PER CSA W47.1
ALL DIMENSIONS ARE IN IMPERIAL UNIT.

ALUMINOUS
LIGHTING SYSTEMS
Roadway, Commercial, Institutions.

114, HEALEY RD.
BOLTON, ONTARIO
L7E 5R2
PHONE: 905-857-8100
FAX: 905-857-8131

DRAWN BY
SCOTT

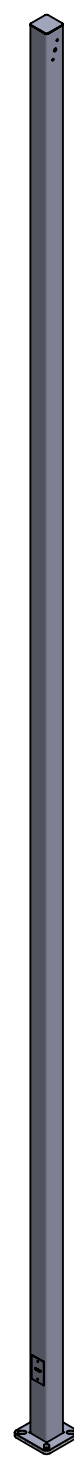
DATE
MAR 1, 2023

DESCRIPTION:
5" SQ. STEEL POLE

MATL: STEEL 44W

CATALOGUE NO:
SSQ5-30HD-AB-1DR-BLK-BC

REV
0

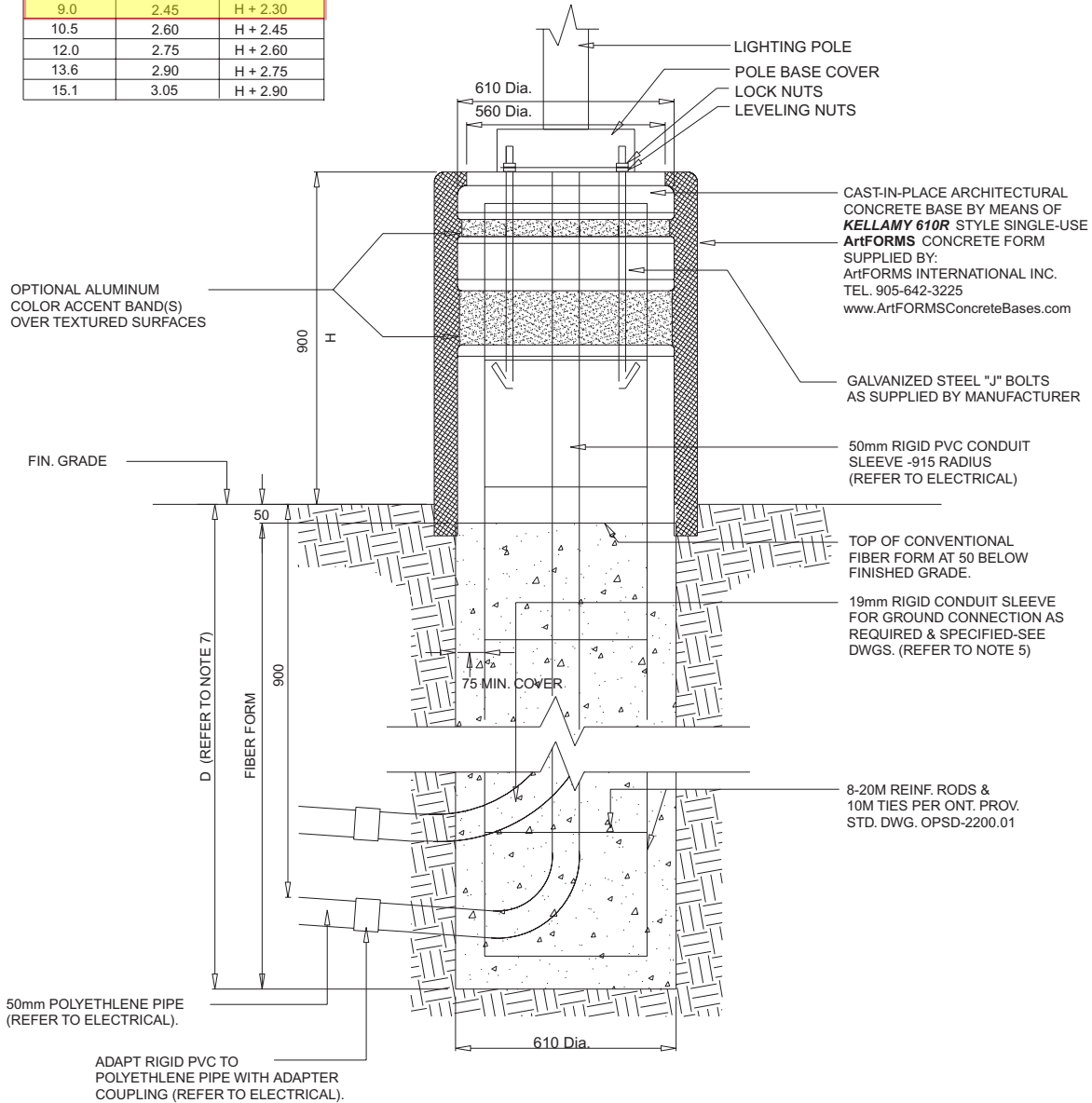


POLE LENGTH	BASE BURIAL DEPTH D	REINF. ROD LENGTH
(m)	(m)	(m)
3.0	1.50	H + 1.35
5.6	2.15	H + 2.00
7.0	2.15	H + 2.00
7.5	2.15	H + 2.00
8.7	2.45	H + 2.30
9.0	2.45	H + 2.30
10.5	2.60	H + 2.45
12.0	2.75	H + 2.60
13.6	2.90	H + 2.75
15.1	3.05	H + 2.90

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES OR METRES
2. TOP OF FOUNDATION SHALL BE TROWELLED SMOOTH & LEVEL.
3. CLASS OF CONCRETE SHALL BE 25mPa. CONCRETE SHALL BE VIBRATED.
4. MINIMUM OF TWO SLEEVES REQUIRED FOR EACH CONC. FOUNDATION UNLESS OTHERWISE SHOWN.

5. PROVIDE A 19mm DIA. 3000mm STEEL COPPER COATED GROUND ROD ADJACENT TO POLES AS SPECIFIED ON PLAN AND CONNECT TO METAL POLE WITH BARE COPPER CONDUCTOR.
6. CONTRACTOR TO VERIFY OPENING SIZE IN POLE BASE PLATE PRIOR TO SETTING CONDUIT SLEEVES.
7. SUBJECT TO SOIL CONDITIONS, REFER TO SOIL REPORT.
8. FORM RELEASE AGENT HAS BEEN FACTORY-APPLIED TO INSIDE SURFACE OF "ArtFORM".



ArtFORMS®
KELLAMY 610R

NOTE:

Where applicable, this detail drawing should be modified to meet local requirements.

DRAWING TITLE

LIGHTING POLE, FLAGPOLE, SIGN AND COLUMN BASE

DATE

JOB NO.

SCALE

DWG. NO.

ELL (Extra Long Life) Series ***Upgraded Features for Extra Long Life***



Numerous feature upgrades extends the life expectancy of the already long life twistlock product line. Features exceed those of competitive long life designs. The ELL is an excellent choice when an extended life expectancy is desired. Meets or exceeds ANSI C136.10

Electrical

<u>Model Numbers:</u> <u>Operating Voltage Range</u>	ELL-124: 105-305 VAC, 50/60 Hz - Nominal 120/208/240/277V ELL-124-FO: 105-305 VAC, 50/60 Hz - Nominal 120/208/240/277V <i>FAIL OFF</i> ELL-124-CUL: 105-305 VAC, 50/60 Hz - Nominal 120/208/240/277V	
<u>Load Rating</u>	1,000W/1,800 VA	15 Amp relay tested to 15,000 operations on maximum available LED or Induction load*
<u>Operating Temperature</u>	-40°C to +70°C	(-40°F to +158°)
<u>Surge Protection:</u>	40,000 Amps	640 Joule*
<u>Power Consumption</u>	<0.5 Watts	@ 120 V
<u>Dielectric Strength</u>	5,000 Volts	Between current carrying parts

Mechanical

<u>Photocell</u>	Silicon Sensor	<0.5% Drift over 10 Years*
<u>Printed Circuit Board</u>	Plated Thru-hole Glass Epoxy	0.35 Maximum Moisture
<u>Cover:</u>	Polypropylene	Long Life <u>Green Cover</u> Formula with UV Inhibitor and Antioxidant Additives* <i>NOTE: Blue cover for UL / CUL product</i>
<u>Base & Window</u>	Polycarbonate	140°C, UL94HB Flame Class Rating*
<u>Gasket</u>	Neoprene	ASTM D 1056*
<u>Operating Light Levels</u>	Turn-on: 1.5 FC, 1.5:1 Off/On Ratio	+/- .25 FC, 3-5 Sec Turn-off Delay

*Denotes significant upgrade over standard twistlock controls