NEMA 3R

PANEL - 'C'

		LOAD DESCRIPTION	KVA LOAD LTG.	KVA LOAD RECP.	KVA LOAD OTHER	C. B. TRIP	C. B. ***	C. B. POLE	CKT #	A	B	C	CKT #	C. B. TRIP	C. B. ***	C. B. POLE	KVA LOAD LTG.	KVA LOAD RECP.	KVA LOAD OTHER	LOAD DESCRIPTION	
(1)	1A	LTG-SITE LIGHTING, POLES	.3			20		1	1	*			2	20		1	.3			LTG-SITE LIGHTING, POLES	2A (1)
(1)	3B	LTG-EXTERIOR LIGHTING, CANS & WALL	.6			20		1	3		*		4	20		1				SPARE	4B
(1)	5C	MONUMENT SIGN	.5			20		1	5			*	6	20		1					6C
(1)	7A	MONUMENT SIGN	.5			20		1	7	*			8	20		1					8C
	9B	SPARE				20		1	9		*		10	20		1					10C
	11C					20		1	11			*	12	20		1					12C
	13A					20		1	13	*			14	20		1					14A
	15B					20		1	15		*		16	20		1					16B
	17C	SPACE				20		1	17			*	18	20		2			3.6	FUTURE EV CHARGING	18C
	19A					20		1	19	*			20	---		---			3.6	---	20A
	21B					20		1	21		*		22	20		2			3.6		22B
	23C					20		1	23			*	24	---		---			3.6	---	24C
		TOTALS ---------->	1.9																14.4	<-------- TOTALS	

VOLTAGE: 120/208V, 3 PH, 4W
AIC: COORDINATE
MOUNTING: SURFACE, NEMA 3R
BUSING: 100A
MAIN: LUGS ONLY

CONNECT LOAD (KVA)		DEMAND FACTOR		DEMAND LOAD (KVA)	
1.9	X	125% OF LOAD	=	2.4	<------ LIGHTING
	X	NEC 220-13	=		<------ RECEPTACLES
	X	1	=		<------ KITCHEN
14.4	X	1	=	14.4	<------ OTHER
16.3	KVA			16.8	KVA 46.7 AMPS

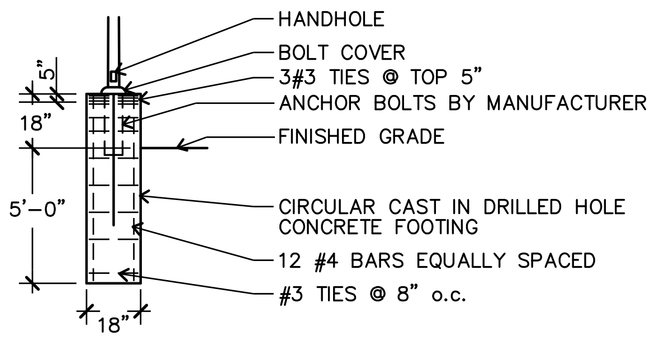
ADDITIONAL FEATURES:
(1) - CIRCUIT TO BE CONTROLLED BY LIGHTING CONTROL PANEL AQUITY ARP WITH DTC OPTION AND 6 RELAYS

LIGHTING FIXTURE SCHEDULE

TAG	MANUFACTURER & CATALOG NUMBER	VOLTS	LAMPS	VA	MOUNTING	REMARKS
C	LITHONIA LDN6 40K 15 L06 AR LS MVOLT	120	1500 LUMEN LED	17.5	FLUSH	6" FLUSH CAN DOWNLIGHT WITH SPECULAR REFLECTOR
W	ANP LIGHTING MC18M009LDN40K	120	850 LUMEN LED	9	WALL	18" ROUND "MILK CAN", GOOSE NECK WALL MOUNT, ARCHITECTURAL BRONZE
P1	GUARDCO GULLWING G13 GL13-3-70-LA-6435-NW-UNV-COLOR GARDCO #RA4-18, 14' IN HEIGHT	UNIV	6750	70	POLE	POLE MOUNT BLADE FIXTURE PER CITY STANDARD 14' ROUND ALUMINUM POLE

ELECTRICAL SYMBOLS

- 3/4" CONDUIT RUN WITH NUMBER OF #12 THHN/THWN CONDUCTORS AS INDICATED. OTHER SIZE CONDUIT AND CONDUCTORS AS NOTED
  NOTE: ALL RECEPTACLES TO BE FED WITH #10 WIRE.
- HOMERUN CONDUIT TO PANELBOARD WITH CIRCUIT AS NOTED
- SWITCHBOARD OR PANEL AS INDICATED
- POLE MOUNT LIGHT FIXTURE IN 12' SSS POLE
- LED GOOSE NECK WALL MOUNT LIGHT FIXTURE

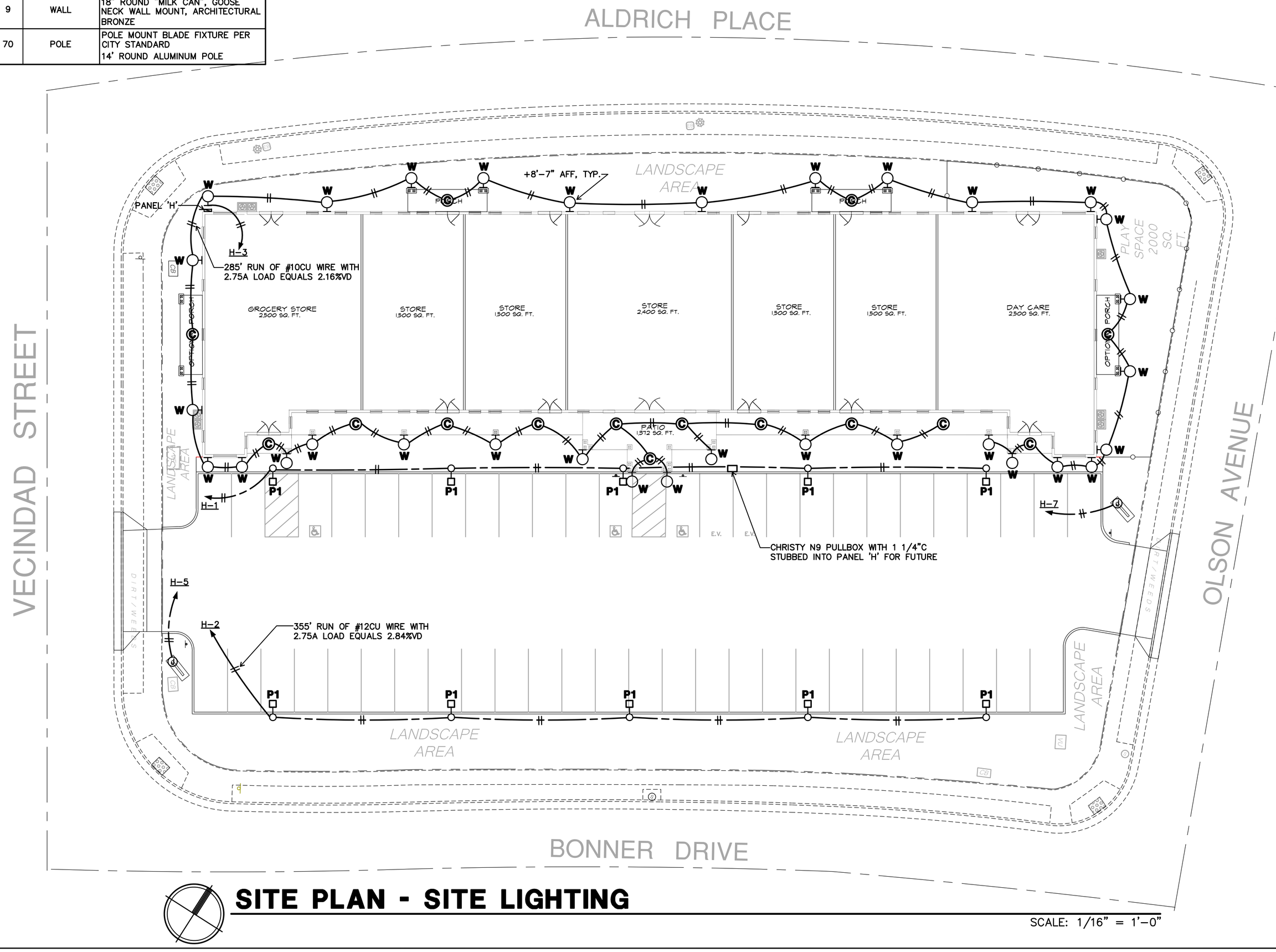


"P1" POLE BASE DETAIL (PARKING LOT)
NO SCALE

ELECTRICAL GENERAL NOTES

1. ALL RECEPTACLES, TELEPHONE AND DATA OUTLETS SHALL BE MOUNTED UP 15" ABOVE FINISHED FLOOR UNLESS NOTED OTHERWISE OR WHERE AT CABINETS THEY SHALL BE MOUNTED IN THE WALL 6" ABOVE THE SPLASH.
2. MOUNTING HEIGHT FOR LIGHT SWITCHES SHALL BE 48" ABOVE FINISHED FLOOR.
3. MOUNTING HEIGHTS WHERE INDICATED ARE TO CENTER OF OUTLET, FIXTURE OR DEVICE.
4. ELECTRICAL PANELS SHALL BE LOCATED WITH A MINIMUM CLEAR WORKING SPACE OF 36" IN DEPTH BY 30" IN WIDTH
5. GROUND FAULT INTERRUPTER OUTLETS SHALL BE PROVIDED IN ALL EXTERIOR RECEPTACLE LOCATIONS AND ANY INTERIOR LOCATION WITHIN 6' OF SINKS OR OTHER WET LOCATIONS.
6. ALL WORK AND MATERIAL SHALL CONFORM TO LATEST CODES AND ORDINANCES, IT IS THE INTENTION OF THESE PLANS AND SPECIFICATIONS TO COVER ALL THINGS REQUIRED TO PROVIDE COMPLETE AND OPERATIVE SYSTEMS.
7. ALL CONNECTIONS TO MOTORS OR OTHER VIBRATING EQUIPMENT SHALL BE FLEXIBLE CONDUIT OR LIQUID TIGHT CONDUIT WITH OFFSET EQUIVALENT TO 90 DEGREES.
8. ALL OUTLET BOXES IN FIRE RESISTIVE ASSEMBLIES SHALL BE MADE OF STEEL AND A MAXIMUM OF 16 SQ. IN. AND BE SEPARATED BY MINIMUM OF 24 INCHES HORIZONTALLY. ALL PENETRATIONS SHALL BE FIRE STOPPED WITH AN APPROVED LISTED SYSTEM.
9. CONDUIT RUNS ARE TO BE CONSIDERED DIAGRAMMATIC ONLY. DURING THE COURSE OF CONSTRUCTION HIDDEN PULLBOXES AND DIFFERENT ROUTING MAY BE REQUIRED.
10. a. CONDUIT MAY BE GALVANIZED RIGID STEEL CONDUIT, INTERMEDIATE METAL CONDUIT, RIGID ALUMINUM CONDUIT, OR ELECTRICAL METALLIC TUBING EXCEPT AS OTHERWISE SPECIFIED.
    b. RIGID NONMETALLIC CONDUIT (SCHEDULE 40 PVC) SHALL BE USED UNDERGROUND AND WHERE IMBEDDED IN CONCRETE. STEEL, LONG RADIUS 90'S SHALL BE USED FOR PENETRATIONS THROUGH SLABS.
    c. LIQUIDTIGHT FLEXIBLE METAL CONDUIT SHALL BE USED FOR FINAL CONNECTIONS TO MOTORS, APPLIANCES AND VIBRATING EQUIPMENT.
    d. ELECTRICAL METALLIC TUBING MAY BE UTILIZED IN ALL INTERIOR LOCATIONS. S.S. FITTINGS WILL BE UTILIZED FOR TUBING IN 1-1/2" TRADE SIZE AND SMALLER, DOUBLE SET SCREW TYPE FOR LARGER TUBING.
    e. ELECTRICAL SUBCONTRACTOR TO SIZE ALL CONDUIT PER NEC.
11. ALL EQUIPMENT SHALL HAVE AN APPROVED TESTING LABORATORY LABEL ATTACHED.
12. TESTING OF EMERGENCY LIGHTING IS REQUIRED. CALL FOR TESTING PRIOR TO FINAL INSPECTION TESTING MUST BE BY DISCONNECTING MAIN.
13. PROVIDE ILLUMINATED EMERGENCY POWER PER 2016 CFC, SECTION 1008.3
14. PROVIDE MIN. 42" WORK SPACE CLEARANCE IN FRONT OF PANELS, SERVICE OR EQUIPMENT RATED AT 480/277V/3PH/4W.
16. THE CALIFORNIA STATE LICENSE BOARD (CSLB) "ZERO TOLERANCE POLICY" IN EFFECT FOR NON-COMPLIANT ELECTRICIANS, IN CALIFORNIA THE ELECTRICAL WORK SHALL ONLY BE DONE BY "STATE CERTIFIED ELECTRICIANS" PER LABOR CODE SECTIONS 3099 AND 3099.2, SECTIONS 209.0 AND THE AB 931, AS OF JANUARY 2006, AND ENFORCEMENT OF LEGAL ACTION WILL BE ISSUED TO ANY C-10 CONTRACTOR WHO WILLFULLY EMPLOYS AN "UNCERTIFIED ELECTRICIAN" TO PERFORM ELECTRICAL WORK IN THE STATE OF CALIFORNIA.

    A GREEN INSULATED COPPER GROUNDING (EGC) SHALL BE INSTALLED IN EACH AND EVERY CONDUIT RACEWAY AND SHALL BE CONNECTED TO EACH OUTLET, ENCLOSURE, DEVICE, FIXTURE, ETC. THROUGHOUT THE ENTIRE PROJECT CONDUIT RACEWAYS SHALL NOT BE RELIED UPON FOR THE REQUIRED "EFFECTIVE EQUIPMENT GROUNDING" PER CEC 250.4 A (5) (EFFECTIVE GROUND-FAULT CURRENT PATH) & CHAPTER 9 AND TABLES IN (SOARES BOOK ON GROUNDING". THIS IS PER THE AHJ.
18. BEFORE AN OCCUPANCY PERMIT IS GRANTED FOR A NEWLY CONSTRUCTED BUILDING OR AREA, OR NEW LIGHTING SERVICE IN A BUILDING, AREA OR SITE IS OPERATED FOR NORMAL USE, ALL INDOOR AND OUTDOOR LIGHTING CONTROLS SERVING THE BUILDING, AREA OR SITE SHALL BE CERTIFIED AS MEETING THE "ACCEPTANCE REQUIREMENTS" FOR CODE COMPLIANCE IN ACCORDANCE WITH SECTION 130.4. THE "CERTIFICATE OF ACCEPTANCE" FOR CODE COMPLIANCE SHALL BE SUBMITTED TO THE ENFORCEMENT AGENCY UNDER SECTION 10-103(a) OF PART 1 FOR a)AUTOMATIC DAYLIGHT CONTROLS, b)LIGHTING CONTROLS, c) OUTDOOR LIGHTING CONTROLS AND ITEMS 1 THRU 7(c).
19. MAXIMUM LOAD ON ANY CIRCUIT BREAKER SHALL BE LIMITED TO 80% OF ITS LISTED AMPACITY.
20. ALL ELECTRICIANS WORKING FOR ELECTRICAL CONTRACTORS WITH A C-10 LICENSE ARE NOW REQUIRED TO BE CERTIFIED IN CALIFORNIA. NON-COMPLIANT VIOLATIONS OF THIS REQUIREMENT BY EITHER ELECTRICIANS OR BY WORKING CONTRACTORS SHALL BE REPORTED TO THE LICENSE BOARD AS REQUIRED UNDER THE EXISTING LABOR CODE 108.2 AN INDENTURED APPRENTICE OR A STATE REGISTERED ELECTRICIAN (AKA TRAINEE) MAY ALSO PERFORM ELECTRICAL WORK IF UNDER THE "DIRECT SUPERVISION" OF A "STATE CERTIFIED ELECTRICIAN."
21. PROVIDE ARC FLASH WARNING MARKING PER CEC SECTION 110.16
22. ALL WORK TO COMPLY WITH 2016 CALIFORNIA ELECTRICAL CODE.



SITE PLAN - SITE LIGHTING

SCALE: 1/16" = 1'-0"

(C) COPYRIGHT 2022, RAMON SANCHEZ. ALL RIGHTS RESERVED. THESE PLANS MAY NOT BE ALTERED, REPRODUCED OR STORED BY ANY MEANS WITHOUT PRIOR WRITTEN CONSENT FROM RAMON SANCHEZ. IF ANY ERRORS OR OMISSIONS EXIST IN THESE DRAWINGS THE BUILDER / OWNER SHALL, WITHIN 10 DAYS, NOTIFY RAMON SANCHEZ, IN WRITING, OR BE HELD RESPONSIBLE FOR THE ERROR OR OMISSION.

TRY Drafting & Design
RAMON SANCHEZ
224 Morton Ave Sanger, California 93657
Phone: 646-8655 Fax: 394-5161
trydrafting@sbcglobal.net

SITE LIGHTING

PROPOSED SHOPPING COMPLEX FOR:
HI-TECH DEVELOPING INC.
1140 S. VECINDAD ST.
MOUNTAIN HOUSE, CA 95391
SAN JOAQUIN COUNTY CALIFORNIA

	REVISIONS	BY

Developer:
HI-Tech Developing Inc
You Design It, We Build It
Lic#1053857
3506 W Nielsen Ave, Fresno, CA 93706

JOB NO.: 22-0215
DATE: 03/13/2023

SHEET:
E-1

GARDCO by signify

Site & Area

Gullwing LED

GL13 Small

Gardco Gullwing LED GL13 area luminaires combine LED performance excellence and advanced Gardco LED thermal management technology with the distinct Gullwing style to provide outdoor area lighting that is both energy efficient and aesthetically pleasing.

Project:

Location:

Cat.No:

Type:

Lamps: Qty:

Notes:

Ordering guide

Example: GL13-DIM-4-70LA-6435-NW-120-BRP-LF

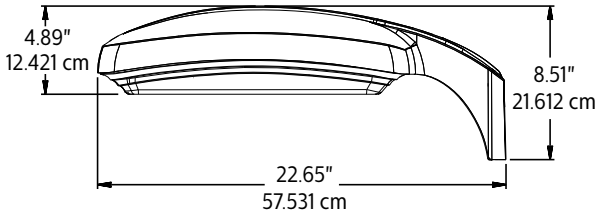
Prefix	Controls	Mounting	Optical System[4]	Wattage	LED Color	Voltage	Finish	Options
GL13 13" Gullwing LED Luminaire Constant Wattage **GL13-RK** 13" Gullwing LED Retrofit Kit	**—** Gullwing Standard Luminaire **GL13-DIM** 13" Gullwing LED with 0-10V Dimming	**--** Arm Mount (Standard, for 4" O.D. round pole) **W** Wall Mount, Recessed J-Box (must order as separate line item) **WS** Wall Mount, Surface Conduit (must order as separate line item)	**2** Type 2 **3** Type 3 **4** Type 4 **5** Type 5	**70LA-6435** 64 LEDs, 350mA **85LA-8035** 80 LEDs, 350mA **105LA-6453** 64 LEDs, 530mA	**NW** Neutral White 4000K, 70 min. CRI **CW** Cool White 5000K, 70 min. CRI **WW** Warm White 3000K, 70 min. CRI	**120** **208** **240** **277** **347** **480** **UNV** (120-277V) **HVU** (347-480V)	**BLP** Black Paint **WP** White Paint **BRP** Bronze Paint **NP** Natural Aluminum Paint **OC** Optional Color *Specify optional color or RAL ex: OC-LGP or OC-RAL7024.* **SC** Special Color Specify. *Must supply color chip. Requires factory quote.*	**LF**[2] In-Line/In-Pole Fusing **PC**[1,2,3] Photocontrol and Receptacle (Includes PCR5) **PCR7**[1,3,4,5] Photocell Receptacle only with 2 dimming and 2 auxiliary connections **IS** Internal House side Shield (types 2, 3, 4 only) **PTF2**[6] Pole Top Fitter 2 3/8" - 3" Dia. Tenon **PTF3**[6] Pole Top Fitter 3" - 3 1/2" Dia. Tenon **PTF4**[6] Pole Top Fitter 3 1/2" - 4" Dia. Tenon **SPA**[7] Square Pole Adapter

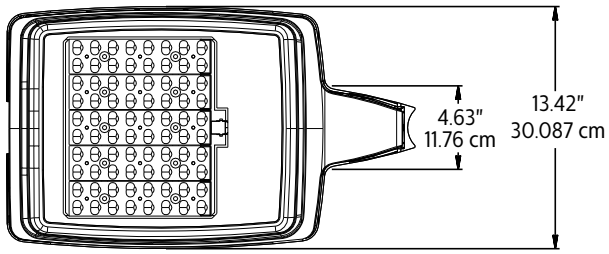
1. Not available with Retrofit Kits (**GL13-RK**).
2. Voltage must be specified.
3. Not available with **480V**.
4. Works with 3-pin or 5-pin NEMA photocell/dimming device.
5. If ordered with **DIM** dimming will not be connected to NEMA receptacle.
6. Not available in 120° mounting configurations.
7. Required for mounting to straight square poles.

GL13 Gullwing LED area luminaire, small

Site & Area

Dimensions and EPA





EPA Data		
1	2	3-4
.8 ft²	1.6 ft²	2.2 ft²
.07 m²	.15 m²	.20 m²

Approximate Weight Single Luminaire
33 lbs / 14.969 kg

Technical Data

Ordering Code	Total LEDs	LED Current (mA)	Average System Watts	Color Temp.	Type 2			Type 3		
					Lumen Output	Efficacy (LPW)	BUG Rating	Lumen Output	Efficacy (LPW)	BUG Rating
70LA-6435	64	350	70	4000K	6652	95	B2-U0-G1	6750	96	B1-U0-G2
85LA-8035	80	350	86	4000K	8064	95	B2-U0-G1	8173	95	B1-U0-G2
105LA-6453	64	530	101	4000K	9870	97	B2-U0-G2	9385	93	B2-U0-G2

Ordering Code	Total LEDs	LED Current (mA)	Average System Watts	Color Temp.	Type 4			Type 5		
					Lumen Output	Efficacy (LPW)	BUG Rating	Lumen Output	Efficacy (LPW)	BUG Rating
70LA-6435	64	350	70	4000K	6731	96	B1-U0-G2	6657	95	B3-U0-G1
85LA-8035	80	350	86	4000K	8027	94	B1-U0-G2	8025	93	B3-U0-G2
105LA-6453	64	530	101	4000K	9388	93	B2-U0-G2	9139	90	B3-U0-G2

Values from photometric tests performed in accordance with IESNA LM-79 and are representative of the configurations shown. Actual performance may vary due to installation and environmental variables, LED and driver tolerances, and field measurement considerations. It is highly recommended to confirm performance with a photometric layout.
NOTE: Some data may be scaled based on tests of similar (but not identical) luminaires. Contact factory for configurations not shown.

GL13 Gullwing LED area luminaire, small

Site & Area

Luminaire Configuration Information

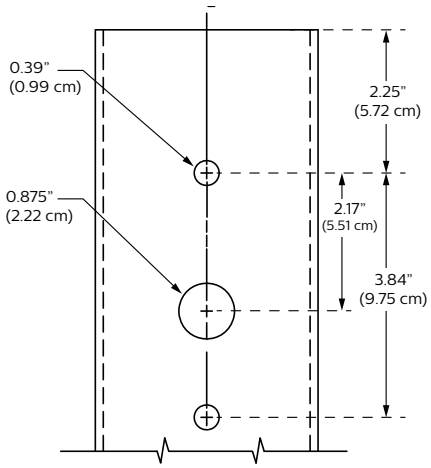
GL13

Gardco Gullwing LED standard luminaire providing constant wattage and constant light output when power to the luminaire is energized.

GL13-DIM

Gardco Gullwing LED luminaire provided with 0 -10V dimming for connection to a control system provided by Philips or by others.

GL13 Drill Template



Specifications

General Description

The Gardco Gullwing LED GL13 area luminaire is defined by its high performance, sleek profile and rugged construction. Gullwing LED luminaires combine LED performance excellence and advanced Gardco LED thermal management technology with the distinct Gullwing style to provide outdoor area lighting that is both energy efficient and aesthetically pleasing.

Housing

A one-piece die cast aluminum housing mounts directly to a pole or wall without the need for a support arm. The low profile rounded form reduces the effective projected area of the luminaire to only 0.8 ft^2 /.07 m^2.

IP Rating

Gullwing LED 13" optics are IP65 rated.

Thermal Management

The Gardco Gullwing LED provides extruded aluminum integral thermal radiation fins to provide the excellent thermal management so critical to long LED system life.

LED Optical System

LED arrays are set to achieve IES Type II, Type III, Type IV, and Type V, available with internal shields for back light control. Individual LED arrays are replaceable. Luminaires feature high performance Class 1 LED systems.

Electrical

Luminaires are equipped with an LED driver that accepts 120V through 277V, or 347V through 480V, 50hz to 60hz, input. Driver output is based on the LED wattage selected. Component-to-component wiring within the luminaire will carry no more than 80% of rated current and is listed by UL. Power factor is not less than 90%. Luminaire consumes 0.0 watts in the off state. Surge protector standard. 10KA per ANSI/IEEE C62.41.2.

Finish

Each standard color luminaire receives a fade and abrasion resistant, electrostatically applied, thermally cured, triglycidal isocyanurate (TGIC) textured polyester powdercoat finish. Standard colors include bronze (BRP), black (BLP), white (WP), and natural aluminum (NP). Consult factory for specs on optional or custom colors.

Labels

All luminaires bear UL or CUL (where applicable) Wet Location labels.

Limited Warranty

5 year limited warranty. See signify.com/warranties for complete details and exclusions.

Predicted lumen depreciation data:

PREDICTED LUMEN DEPRECIATION DATA				
Ambient Temperature °C	**Driver mA**	**Calculated L_{70} Hours**	**L_{70} Per TM-21**	**Lumen Maintenance % @ 60,000 hours**
25°C	up to 530 mA	>100,000	>60,000	82%

Predicted performance derived from LED manufacturer's data and engineering design estimates, based on IESNA LM-80 methodology. Actual experience may vary due to field application conditions. L_{70} is the predicted time when LED performance depreciates to 70% of initial lumen output. Calculated per IESNA TM21-11. Published L_{70} hours limited to 6 times actual LED test hours.

Buy American Act of 1933 (BAA):

This product is manufactured in one of our US factories and, as of the date of this document, this product was considered a commercially available off-the-shelf (COTS) item meeting the requirements of the BAA. This BAA designation hereunder does not address (i) the applicability of, or availability of a waiver under, the Trade Agreements Act, or (ii) the "Buy America" domestic content requirements imposed on states, localities, and other non-federal entities as a condition of receiving funds administered by the Department of Transportation or other federal agencies. Prior to ordering, please visit www.signify.com/baa to view a current list of BAA-compliant products to confirm this product's current compliance.

© 2021 Signify Holding. All rights reserved. The information provided herein is subject to change, without notice. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify.

Signify North America Corporation
400 Crossing Blvd, Suite 600
Bridgewater, NJ 08807
Telephone 855-486-2216

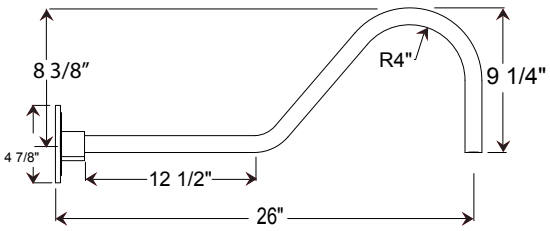
Signify Canada Ltd.
281 Hillmount Road,
Markham, ON, Canada L6C 2S3
Telephone 800-668-9008

All trademarks are owned by Signify Holding or their respective owners.

Project: _____

Fixture Type: _____ Quantity: _____

Customer: _____



E6

26" x 9 1/4"

Weight: 1.5 lbs

Specifications

General:
Due to size or weight, RLM arms may not accommodate all ANP RLM fixtures.

Cast back plate is provided as standard. Fits standard 4/0 junction box.

Material:
Arm is aluminum, Schedule 40, 3/4" ips. All parts are durable 356 cast aluminum. All mounting hardware provided shall be stainless steel or zinc plated steel and may not match finish.

Fixture Mounting:
Arm is threaded to attach to 3/4" fixture hub.

Electrical:
Pull wire provided with fixture.

Accessories:
Optional cast back plate cover (CBC) slides over arm and is secured to arm by a set screw.

Optional scroll (SC) is welded to arm per customer specification.

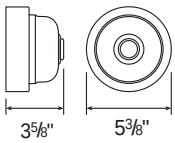
Finish:
A polyester powder coat high quality finish is electro-statically applied and baked at 430° for exceptional durability and color retention. Products undergo an intensive five-step cleansing and pretreatment process for maximum paint adhesion.

Marine grade finish provides superior salt, humidity and UV protection. This coating withstands up to 3000 hours of continuous salt spray, comes with a 5-year warranty and is available in either a textured or gloss surface.

Modifications:
Consult factory for custom or modified arms.

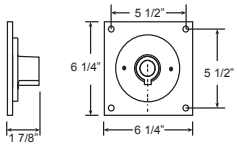
ACCESSORIES

CBC
Cast Back Plate Cover (Spun Aluminum)

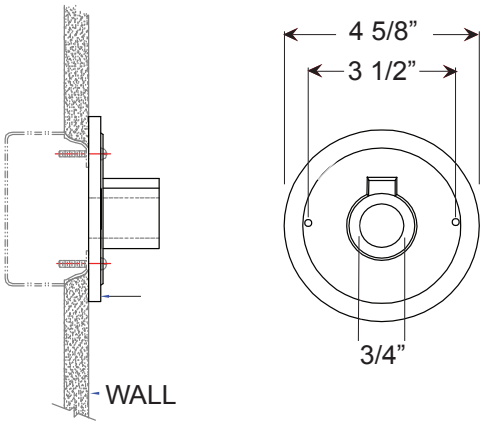


SC
Scroll

SQ
Square Back Plate



CAST BACK PLATE MOUNTING DETAIL



FINISHES

Standard Grade	Marine Grade		Standard Grade	Marine Grade	
40	NA	Raw Unfinished	53	100	Copper Clay
41	101	Black	56	109	Silver
42	102	Forest Green	61	106	Black Verde
43	114	Bright Red	70	118	Painted Chrome
44	107	White	71	105	Painted Copper
45	112	Bright Blue	72	108	Textured Black
46	123	Sunny Yellow	73	125	Matte Black
47	120	Aqua Green	76	121	Textured Architectural Bronze
49	NA	Galvanized	77	127	Textured White
50	111	Navy	78	124	Textured Silver
51	103	Architectural Bronze	10	130	Aspen Green
52	104	Patina Verde	11	131	Cantaloupe
12	133	Lilac	13	132	Putty

Premium Grade	Marine Grade		Premium Grade	Marine Grade	
81	129	Extreme Chrome	64	116	Candy Apple Red
80	117	Textured Desert Stone	65	122	Cobalt Blue
67	119	Butterscotch	82	128	Graystone
66	115	Caramel	69	113	Gunmetal Gray
68	126	Black Silver	83	134	Oil Rubbed Bronze

Consult factory for additional paint charges and availability

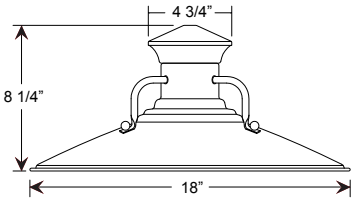
20170101

© 2016 ANP Lighting. All rights reserved. These specifications are intended for general purposes only.
ANP reserves the right to change material or design, without prior notice, in a continuing effort to upgrade its products.

Project: _____

Fixture Type: _____ Quantity: _____

Customer: _____



Specifications

Material:
RLM shades are constructed of heavy duty spun aluminum. Wall back plate and driver housing are cast aluminum. All fasteners are stainless steel. Inside of shade is reflective white finish for all colors except galvanized paint finish. Screw hardware may not match paint.

Electrical:
Universal voltage 120-277 is standard. 0-10V, TRIAC and ELV dimming to 1% protocols are standard for LED modules. (12w is 120v and TRIAC dimming only)

See page 2 table for LED module and driver specs, voltage and dimming protocols.

Certifications:
Cord mounts are UL Listed for dry locations. Arm mount, stem mount and wall mount are UL Listed for wet locations.

Finish:
A polyester powder coat high quality finish is electro-statically applied and baked at 430° for exceptional durability and color retention. Products undergo an intensive five-step cleansing and pretreatment process for maximum paint adhesion.

Marine grade finish provides superior salt, humidity and UV protection. This coating withstands up to 3000 hours of continuous salt spray, comes with a 5-year warranty and is available in either a textured or gloss surface.

Modifications:
Consult factory for custom or modified designs.

MCFT18
LED

Weight: 2 lbs

Catalog Logic

MCFT18 – M024LDD W 40K – RTCW – E6 – PC – 41 – UNV

RLM Style | Light Source & Wattage | Distribution | CCT | Driver Housing | Mounting | Accessories | Finish | Voltage

Catalog Number

MCFT18 – (1) – (2) (3) – (4) – (5) – (6) – (7) (8) – UNV

1 LIGHT SOURCE & WATTAGES

M012LDN	(12w, 750 lumen, Cree module) Integral driver, 120V, TRIAC dimming & narrow distribution only.
M009LDD	(9w, 850 lumen, Cree module)
M010LDD	(10w, 1250 lumen, Cree module)
M016LDD	(16w, 2000 lumen, Cree module)
M024LDD	(24w, 3000 lumen, Cree module)

2 DISTRIBUTION

W (T5 Wide Distribution with Dome LED Lens)

N* (T5 Narrow Distribution with Flat LED Lens)

***12w is narrow only, select "N".**

3 COLOR TEMPERATURE (CCT)

27K	(2700K)
30K	(3000K)
35K	(3500K)
40K	(4000K)

4 DRIVER HOUSINGS*

NA	(Housing not required for 12w)
	Wall Mount Options Choose Arm in Box 5
RTCW	(Driver Housing for Wall only (E-arms); 6 1/2" OD x 5 5/8" H)
SRTCW	(Smooth Driver Housing for Wall only (E-arms); 6" OD x 2 7/8" H)
RTCNCW	(Driver Housing/No Spun Cover for Wall only (E-arms); 5 7/8" OD x 2 5/8" H)
	Cord Mount Options Choose Cord Style in Box 5
CRD-RTCC	(Driver Housing for Cord only; 6 1/2" OD x 5 5/8" H)
CRD-SRTCC	(Smooth Driver Housing for Cord only; 6" OD x 2 7/8" H)
CRD-RTCNCC	(Driver Housing/No Spun Cover for Cord only; 5 7/8" OD x 2 5/8" H)
	Cable Mount Options Choose Cord Style in Box 5
SSC-RTCC	(Driver Housing for SS Cable/Cord only; 6 1/2" OD x 5 5/8" H)
SSC-SRTCC	(Smooth Driver Housing for SS Cable/Cord only; 6" OD x 2 7/8" H)
SSC-RTCNCC	(Driver Housing/No Spun Cover for SS Cable/Cord only; 5 7/8" OD x 2 5/8" H)
	Stem Mount Options Choose Stem Size in Box 5
ST-RTCC	(Driver Housing for Stem only; 6 1/2" OD x 5 5/8" H)
ST-SRTCC	(Smooth Driver Housing for Stem only; 6" OD x 2 7/8" H)
ST-RTCNCC	(Driver Housing/No Spun Cover for Stem only; 5 7/8" OD x 2 5/8" H)
	Emergency Backup Housing Options Choose EMG Driver in Box 7
CRD-DCCEM	(Emergency Ballast Housing for Cord only; 12" OD x 1 1/2" H) **Choose Cord Style in Box 5.**
ST-DCCEM	(Emergency Ballast Housing for Stem only; 12" OD x 1 1/2" H) **Choose Stem Size in Box 5.**
SSC-DCCEM	(Emergency Ballast Housing for SS Cable/Cord only; 12" OD x 1 1/2" H) **Choose Cord Style in Box 5.**

***Driver Housing finish will match fixture finish.**

5 MOUNTING SOURCES*

Arm Mounts

E3 E4 E6 E8 E9 E10 E11 E12 E15 E18 E24 E25 E36

Wall Mounts

WM40 WM54 WM74 WM317

Post Mounts

PM10 PM20 PM30 PM40 PM50 PM319

Cord Mounts Color & Style
(See page 4 for color cord style)

SJT Cord

BLC (6' Black SJT Cord)	**WHC** (6' White SJT Cord)

Solid Fabric Colored Cords

BLSF (6' Black)	**ORSF** (6' Orange)
GYSF (6' Gray)	**LGSF** (6' Lime Green)
CHSF (6' Chocolate Brown)	**KGSF** (6' Kelly Green)
WHSF (6' White)	**CBSF** (6' Cobalt Blue)
CASF (6' Cardinal)	**SBSF** (6' Sky Blue)

Patterned Fabric Colored Cords

BWHPF (6' Black/White Houndstooth)	**BIHPF** (6' Brown/Ivory Houndstooth)
GYCPF (6' Gray/Citrus Yellow)	**MOSPF** (6' Magenta/Orange Stripe)
NMTPF (6' Navy Mini Tweed)	

Glossy Fabric Colored Cords

GMGF (6' Gun Metal)	**SSGF** (6' Sterling Silver)
CPGF (6' Copper Penny)	**BRGF** (6' Bronze)
GOGF (6' Gold)	

Stem Mounts

1/2" (13/16" OD) Rigid Stems	3/4" (1" OD) Rigid Stems
2ST6 2ST12 2ST18	**3ST6 3ST12 3ST18**
2ST24 2ST36 2ST48	**3ST24 3ST36 3ST48**
2ST60 2ST72 2ST96	**3ST60 3ST72 3ST96**

***Arm mounts, Wall mounts or Stem finish will match fixture finish.**

08012019

© 2020 ANP Lighting. All rights reserved. These specifications are intended for general purposes only.
ANP reserves the right to change material or design, without prior notice, in a continuing effort to upgrade its products.

1-800-548-3227
ANPlighting.com

Project: _____

Fixture Type: _____ **Quantity:** _____

Customer: _____

6 ACCESSORIES*

***EMG-LED06** (6w, LED Emergency Driver, remote placement, Cree module only, Not applicable for 12w LED)
MUST CHOOSE DCCEM CANOPY IN BOX 4.

***EMG-LED10** (10w, LED Emergency Driver, remote placement, Cree module only, Not applicable for 12w LED)
MUST CHOOSE DCCEM CANOPY IN BOX 4.

***EMG-LED16** (16w, LED Emergency Driver, remote placement, Cree module only, Not applicable for 12w LED)
MUST CHOOSE DCCEM CANOPY IN BOX 4.

***EMG-LED20** (20w, LED Emergency Driver, remote placement, Cree module only, Not applicable for 12w LED)
MUST CHOOSE DCCEM CANOPY IN BOX 4.

GR18 (18" Wire Grill)**

PC (Button Photo Cell) Remote Only

SC (Scroll for Arms)**

SLC (Sloped Ceiling Mount Canopy, 20° Max)**

SQ (Square Back Plate)**

SWL (Adjustable Locking Swivel)**

TBK (Turn Buckle Kit)**

***For Emergency lumen output data; see Resources section at www.ANPlighting.com**

****Accessory finish will match fixture finish.**

7 FINISHES

***Marine Grade Finish has an additional charge**

Standard Colors	Standard Grade	Marine Grade*	Premium Colors	Premium Grade	Marine Grade*
Aspen Green	**10**	10M	High Gloss Black	**01**	01M
Cantaloupe	**11**	11M	Arctic Silver	**14**	14M
Lilac	**12**	12M	Candy Apple Red	**64**	64M
Putty	**13**	13M	Cobalt Blue	**65**	65M
Raw Unfinished	**40**	NA	Caramel	**66**	66M
Black	**41**	41M	Butterscotch	**67**	67M
Forest Green	**42**	42M	Black Silver	**68**	68M
Bright Red	**43**	43M	Gunmetal Gray	**69**	69M
White	**44**	44M	Mayan Gold	**79**	NA
Bright Blue	**45**	45M	Textured Desert Stone	**80**	80M
Sunny Yellow	**46**	46M	Extreme Chrome	**81**	81M
Aqua Green	**47**	47M	Graystone	**82**	82M
Galvanized	**49**	NA	Oil Rubbed Bronze	**83**	83M
Navy	**50**	50M	Carbon Graphite	**96**	96M
Architectural Bronze	**51**	51M			
Patina Verde	**52**	52M			
Copper Clay	**53**	53M			
Silver	**56**	56M			
Black Verde	**61**	61M			
Painted Chrome	**70**	70M			
Painted Copper	**71**	71M			
Textured Black	**72**	72M			
Matte Black	**73**	73M			
Textured Architectural	**76**	76M			
Textured White	**77**	77M			
Textured Silver	**78**	78M			

Consult Factory for additional paint charges and availability.

8 VOLTAGE

UNV (120-277)

LED MODULE SPECIFICATIONS

LED	CCT	Typical Luminous Flux	System Wattage	Typical Efficacy
9W	2700K	850	11W	97
	3000K	850	11W	97
	3500K	850	11W	97
	4000K	850	11W	97
10W	2700K	1250	12W	125
	3000K	1250	12W	125
	3500K	1250	12W	125
	4000K	1250	12W	125
12W	2700K	750	12W	65
	3000K	750	12W	65
	3500K	750	12W	65
	4000K	750	12W	65
16W	2700K	2000	19W	125
	3000K	2000	19W	125
	3500K	2000	19W	125
	4000K	2000	19W	125
24W	2700K	3000	29W	125
	3000K	3000	29W	125
	3500K	3000	29W	125
	4000K	3000	29W	125

MODULE SPECIFICATION:

- Efficacy 65-125 lumens per watt
- Life: L70 50,000 hours
- Color temp: 2700K, 3000K, 3500K and 4000K
- CRI: >90

MODULE LISTINGS

- Fully compliant with the RoHS Directive
- Certifications: CE/UL

MODULE DRIVER SPECIFICATION:

- Input Voltage: 120-277 Volts; 50/60Hz
- Dimmable down to 1%
- 0-10V, TRIAC and ELV dimming protocols are standard. (12w is 120v and TRIAC dimming only)
- Output Current: Constant Current; 440mA to 940mA (model dependent)
- Driver Efficiency > 80%; Power Factor > 0.9
- Integral Surge Protection in conformance to ANSI C62.41 Category A.

WARRANTY

See www.ANPlighting.com for complete fixture warranty.

LED warranty information

- 5 year limited warranty*

*Limited Warranty: A typical year is defined as 4380 hours of operation

08012019

© 2020 ANP Lighting. All rights reserved. These specifications are intended for general purposes only.
ANP reserves the right to change material or design, without prior notice, in a continuing effort to upgrade its products.

Project: _____

Fixture Type: _____ **Quantity:** _____

Customer: _____

ARM MOUNTS | Dimensions are Projection x Height | CB included with all arms | Arm will match fixture finish

E3 | 35” x 11 7/8”

E4 | 29” x 14”

E6 | 29” x 9 1/4”

E8 | 32 1/4” x 12 1/2”

E9 | 28” x 43 5/8”

E10 | 55 1/4” x 18”

E11 | 38 1/4” x 17 1/4”

E12 | 40 3/8” x 2”

E15 | 16 3/8” x 10 1/2”

E18 | 30 3/4” x 21 3/8”

E24 | 13” x 2”

E25 | 23” x 5 1/4”

E36 | 23 1/4” x 8”

Driver Housings

	RTCW (6 1/2” OD x 5 5/8” H) Wall Only (E-arms)
	RTCNCW (5 7/8” OD x 2 5/8” H) Wall Only (E-arms)
	SRTCW (6” OD x 2 7/8” H) Wall Only (E-arms)
	ST-RTCC (6 1/2” OD x 5 5/8” H) Stem Only CRD-RTCC (6 1/2” OD x 5 5/8” H) Cord Only SSC-RTCC (6 1/2” OD x 5 5/8” H) Cable Only
	ST-RTCNCC (5 7/8” OD x 2 5/8” H) Stem Only CRD-RTCNCC (5 7/8” OD x 2 5/8” H) Cord Only SSC-RTCNCC (5 7/8” OD x 2 5/8” H) Cable Only
	ST-SRTCC (6” OD x 2 7/8” H) Stem Only CRD-SRTCC (6” OD x 2 7/8” H) Cord Only SSC-SRTCC (6” OD x 2 7/8” H) Cable Only
	ST-DCCEM (12” OD x 1 1/2” H) Stem Only CRD-DCCEM (12” OD x 1 1/2” H) Cord Only SSC-DCCEM (12” OD x 1 1/2” H) Cable Only

WALL MOUNTS | Dimensions are Projection x Height | POST MOUNTS | Dimensions are Projection x Height

WM40 | 13 7/8” x 14 3/4”

WM54 | 23 3/8” x 18”

PM10 | 14 1/2” x 25”

PM20 | 30 1/8” x 25”

WM74 | 22” x 26 1/2”

WM317 | 15” x 12 3/4”

PM30 | 21 5/8” x 28 7/8”

PM40 | 43 3/8” x 28 7/8”

PM50 | 27” x 38”

PM319 | 16 5/8” x 27 1/2”

ACCESSORIES

EMG-LED

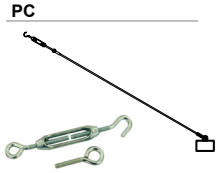
GR18

PC

SLC

SQ

SWL



TBK

SC

08012019

© 2020 ANP Lighting. All rights reserved. These specifications are intended for general purposes only.
ANP reserves the right to change material or design, without prior notice, in a continuing effort to upgrade its products.

Project: _____

Fixture Type: _____ Quantity: _____

Customer: _____

All fabric Color Cords are three conductor, 1/4” diameter

Solid Fabric Colored Cords

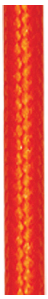
BLSF | Black

GYSF | Gray

CHSF | Chocolate Brown

WHSF | White

CASF | Cardinal



ORSF | Orange

LGSF | Lime Green

KGSF | Kelly Green

CBSF | Cobalt Blue

SBSF | Sky Blue

Patterned Fabric Colored Cords

BWHPF | Black/White Houndstooth

BIHPF | Houndstooth

GYCPF | Gray/Citrus Yellow

MOSPF | Magenta/Orange Stripe

NMTPF | Navy Mini Tweed

Glossy Fabric Colored Cords

GMGF | Gun Metal

SSGF | Sterling Silver

CPGF | Copper Penny

BRGF | Bronze

GOGF | Gold

08012019

© 2020 ANP Lighting. All rights reserved. These specifications are intended for general purposes only.
ANP reserves the right to change material or design, without prior notice, in a continuing effort to upgrade its products.