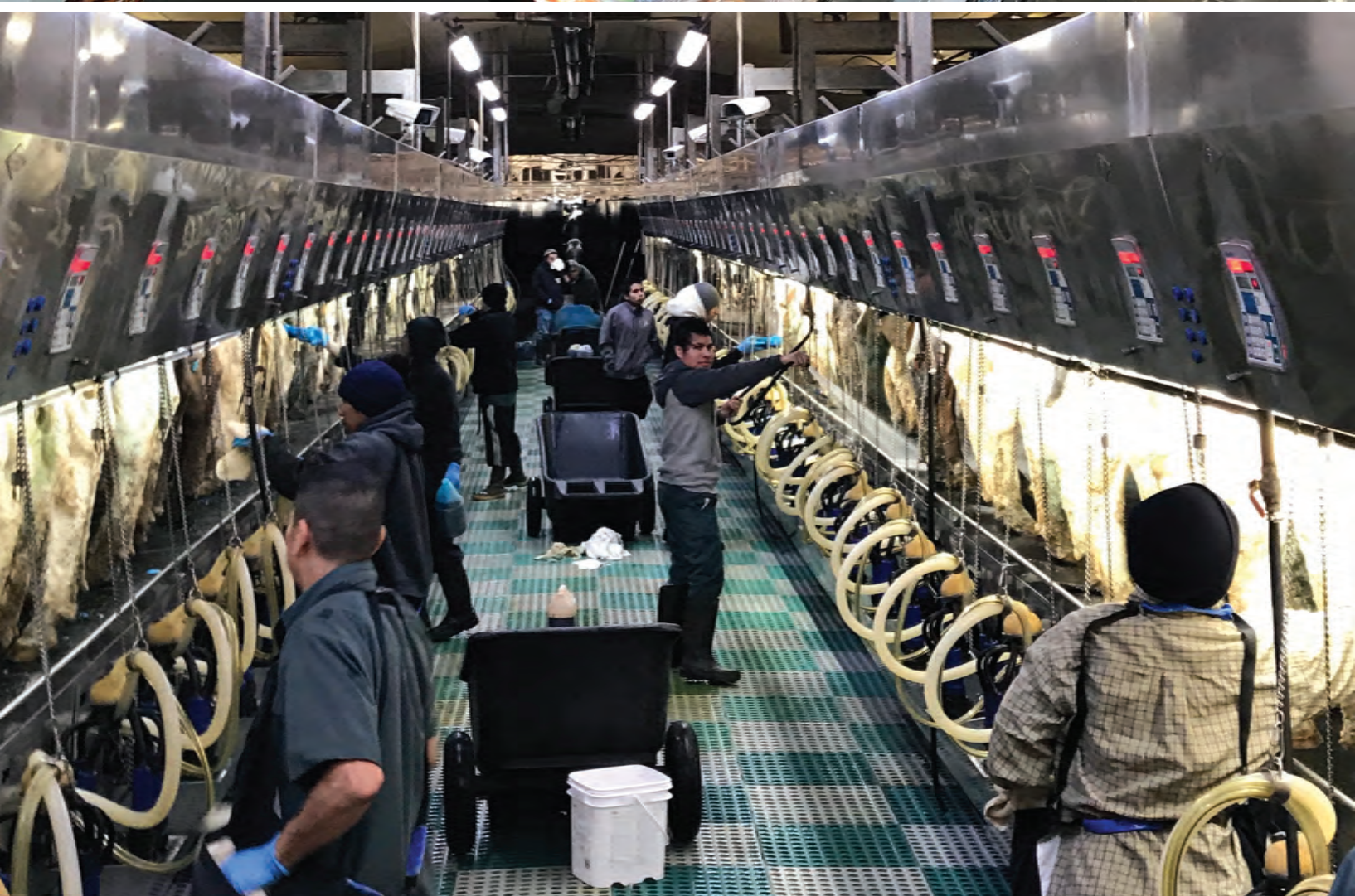# Arc Archer

LED Lighting Solutions

Arc Archer has a direct sourcing strategy with our Asian and domestic partners for the lowest cost, highest quality LED components and products.

We not only offer stock item solutions but can customize and configure these products in our manufacturing facility to meet your needs.
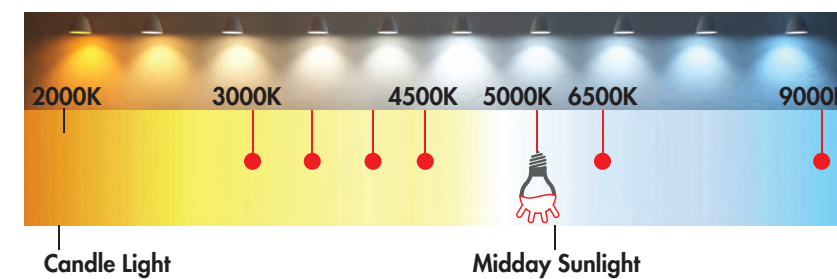
UU-24H55K96C LED

Male M12 Weathertech Connectors Designed For Harsh Environment

Apply Dielectric Grease at End to Seal Out Moisture

Defensive Coating

Adhesive Lined Protective Endcap

Female M12 Weathertech Connectors Designed For Harsh Environment

STANDARD LENGTH 4' OR 8' (Customizable 25" to 96")

(Only Odd Lengths Actual Less Than Nominal)
Nominal Length - Total Length of Light Only

Under Udder Lights are designed to prevent moisture, chemicals, and other hazards from damaging the LED Light, even in the most challenging environments.

| 2000K | 3000K | 4500K | 5000K | 6500K | 9000K |

Candle Light   Midday Sunlight

LED COLOR- 5500K Standard Intensity							
Item	Nominal	Lumens	WATTS	WATTS/12"	Volt	CRI	IP
UU-24H55K48C-2	48"	1500	15	3.75	24	80+	67
UU-24H55K96C-2	96"	3000	30	3.75	24	80+	67

ETL
Intertek

CONFORMS TO UL STD 2108
CERTIFIED TO CSA STD C22.2#9.0

CONFORMS TO IP67 TESTING

UU-CLAMPMNT

1/4" Stud Hole

- High Resistance to Chemicals & Oils
- Meets UL, CSA & MIL Requirements
- RoHS and RoHS2 Compliant
- UV Protected
- Very Good Impact Resistance
- Great Clarity
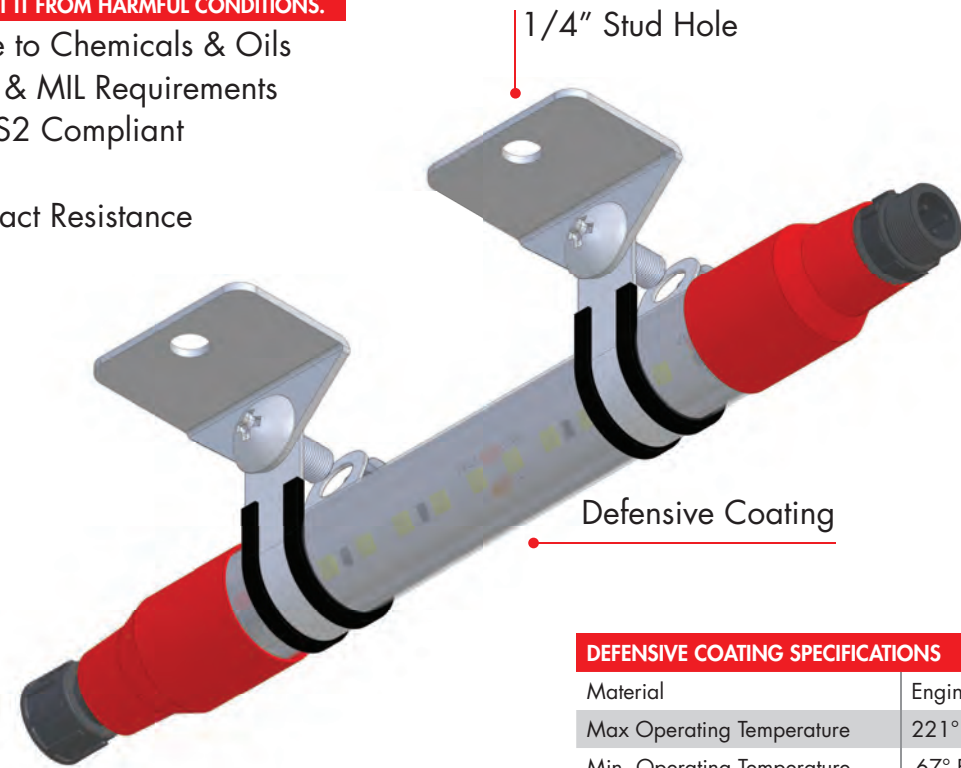
Defensive Coating

DEFENSIVE COATING SPECIFICATIONS	
Material	Engineered Pvc
Max Operating Temperature	221° F
Min. Operating Temperature	-67° F
Approximate Wall Thickness	0.038"

UU-Driver

HLG-480H LED DRIVER

NOTE: Recommended Driver

MEAN WELL SPECIFICATIONS	
Dc Voltage (Output)	24V
Rated Current	20A
Rated Power	480W
Ac Current (Input)	5A / 115V
Efficiency	95.5%

LED DRIVER MEAN WELL HLG-480H SERIES SPECS

- Operating Temperature Range of -40° F to 194° F
- Metal Housing with Class I Design
- IP67 Protection for Outdoor Installation
- Typical Lifetime > 50,000 Hours
- 6 Year Warranty Under Normal Use

NOTE: Lengths Represent Max Feet Of Light On 20A Driver In Following Configurations.

64' Parrallel (32' EACH SIDE)

32' Series (CONTINUOUS)

Arc Archer was established in 2010 as an operational consulting company, encompassing finance, human resources, systems, engineering, manufacturing and distribution.

With extensive background in research and development, Arc Archer improves customers' existing technologies, products and processes. The team of sales, marketing, engineers and manufacturers are committed to providing continuous, top-notch service, cutting edge design and quality products.

By developing and managing all of the back-end procedures and processes to achieve our clients goals, we create a strong return on investment for our customers.

Arc Archer is your domestic source for custom LED lighting solutions.

Arc Archer has a direct sourcing strategy with our Asian and domestic partners for the lowest cost, highest quality LED components and products. We not only offer stock item solutions but can customize and configure these products in our manufacturing facility to meet your needs.

We also offer multiple aluminum profiles, Lenses and LED strip options that can be configured in 2" increments. With our onsite approach to your project, we come to you and help you configure the best solution for your needs. We can even help with the power source and power distribution. Whether it's a small project or large, we have delivered above the expectation year on year. Whether it's commercial, residential, retail, indoor or out, we have a product configuration to fit your needs.
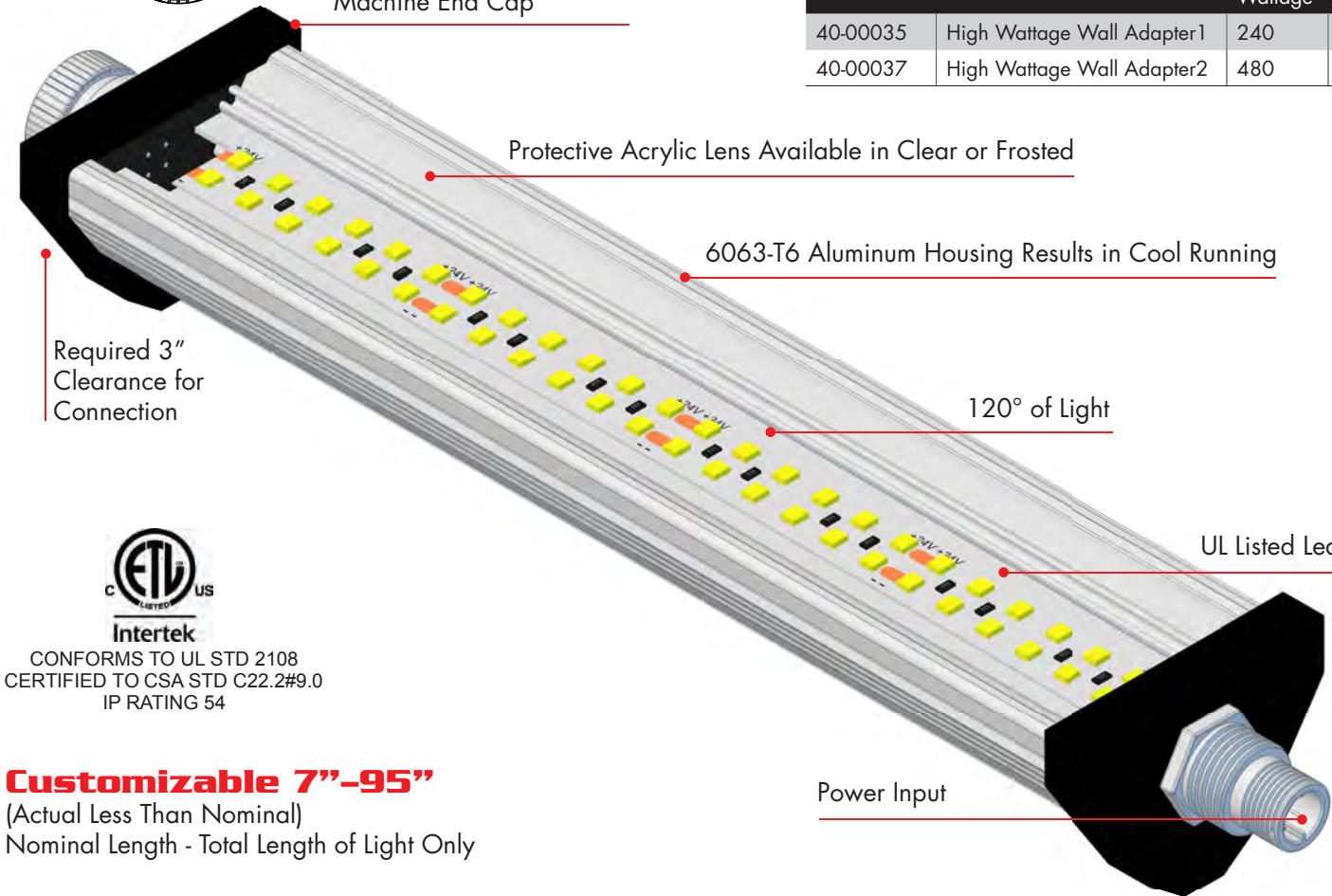
- 99% on-time delivery
- Less than 50 ppm field defect rate
- 5-10 day lead-time
- UL or RoHs compliant components
- 12 and 24 volt power and light options
- Proprietary light design capable
- Wide range of K values and profile
- IP 20, 40 and up to 68
- Proprietary LowPro Flexfit LED IP 65 can conform to as small as a 6" radius
- Proprietary Under Udder LED lighting System, milk house LED lighting, IP67
- Proprietary Lift LED lighting system

Industrial LED Light

Pin 3 Negative (-) Blue Wire
Pin 4 Positve (+) Black Wire
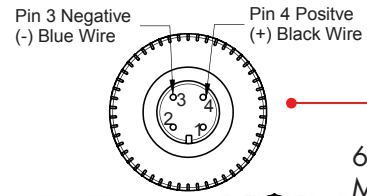
M12 Female Connector Allows for Industrial Lights to be Continuously Connected

6061 Aluminum Anodized Machine End Cap

Recommended Driver Options

Item	Description	Rated Wattage	Voltage
40-00035	High Wattage Wall Adapter1	240	24
40-00037	High Wattage Wall Adapter2	480	24

Protective Acrylic Lens Available in Clear or Frosted

6063-T6 Aluminum Housing Results in Cool Running

Required 3" Clearance for Connection

120° of Light

UL Listed Led Strip

CONFORMS TO UL STD 2108
CERTIFIED TO CSA STD C22.2#9.0
IP RATING 54

Customizable 7"–95"
(Actual Less Than Nominal)
Nominal Length - Total Length of Light Only

Power Input

Pin 4 Positve (+) Black Wire
Pin 3 Negative (-) Blue Wire

Customs Available with Volume

Color Temperature	Voltage	LED	Watts/12"	Lumens/12"	Chainable
1600K	24	240	7.6	440	24'
5500K	24	240	8.4	810	24'
Red	24	240	7.6	200	24'
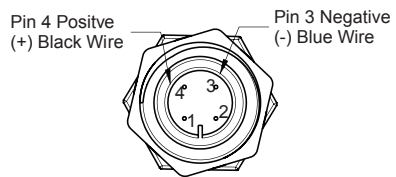
Industrial LED Light

Item	Item Description	Lumens	Watts/Light	Nominal Length	Overall Length
IDSL-24H55K12CS	LED Light Industrial 24V2835-H-12-55K-C SGL M M12	800	7.48	12.00	11.251
IDSL-24H55K24CS	LED Light Industrial 24V2835-H-24-55K-C SGL M M12	1600	16.48	24.00	23.063
IDSL-24H16K31FS	LED Light Industrial 24V2835-H-31-16K-F SGL M M12	1125	20.27	31.00	31.000
IDSL-24H16K31FD	LED Light Industrial 24V2835-H-31-16K-F DBL MF M12	1125	20.27	31.00	31.000
IDSL-24H55K31CS	LED Light Industrial 24V2835-H-31-55K-C SGL M M12	2050	22.53	31.00	31.000
IDSL-24H55K35CS	LED Light Industrial 24V2835-H-35-55K-C SGL M M12	2350	25.48	35.00	34.876
IDSL-24H55K47CS	LED Light Industrial 24V2835-H-47-55K-C SGL M M12	3150	34.48	47.00	46.690

Under Udder LED Lighting Solution

Under Udder is the latest LED lighting solution developed by Arc Archer LLC. It was developed in response to a request by dairy professionals who needed more light when milking. For decades, they struggled to ensure effective cleaning, inspection and sterilization due to low light. In addition, securing the cup cluster on the teat took longer in low light environments. Under Udder delivers benefits that dairy farms have been waiting a long time for.

The breakthrough Under Udder system is engineered and built to withstand the daily wear and tear of the dairy industry. It provides the illumination needed to effectively aid in the cleaning, inspection and processing of dairy cows. The LED bulbs are more efficient over the long run, and the initial purchase is very affordable, which is music to the ears of farmers with escalating expenses.

Under Udder is a completely sealed system that allows for direct pressure washing and chemical contact, even on the electrical connections.

Unlike other products that allow water to migrate through the plugs in the end of the light, Under Udder connects externally to prevent water migration. The aluminum construction features a Polycarbonate lens and chemical resistant covering, allowing you to place lighting 12-18 inches away from the udder to aid in the placement of the cup cluster.

With a lower cost of ownership, a 3-year warranty against workmanship, and a 50% off replacement program for damaged parts, Under Udder will be reliable until the cows come home, and even long after that.
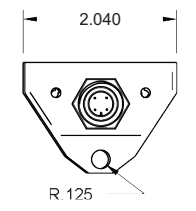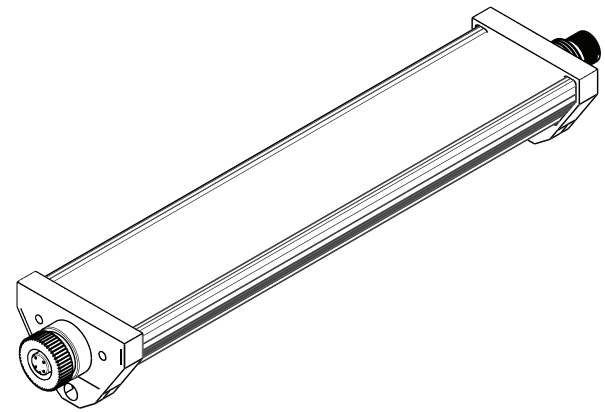
Industrial LED Light: IDSL

Voltage of Light: 24H

Color Temperature of Light: 55K, 16K, RED

Nominal Length Inches End Cap to End Cap: 07-95

C for Clear Lens, F for Frosted

Connectors: S for ONLY Male, D for Male and Female

NOMINAL LENGTH

.640

.700

1.487

.350

2.040

R .125

UNDER UDDER
LED LIGHTING
Powered by Arc Archer
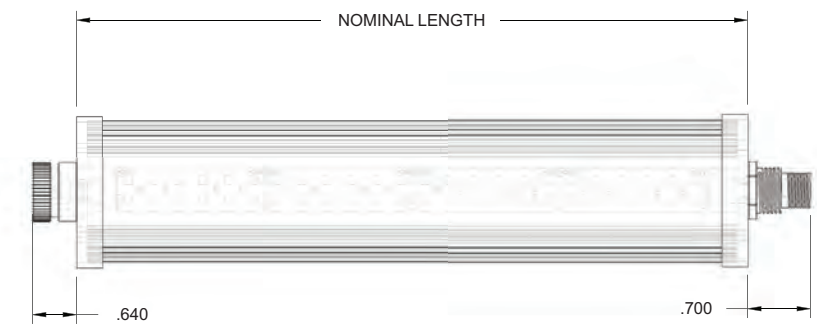
LoPro LED Light

| Item	Item Description	Lumens	Watts/ Light	Nominal Length	Overall Length
12" Nominal Length Item Numbers					
LP-12S30K12F	LED Light LoPro 12V2835-S-12-30K-F	125	1.53	12.00	11.093
LP-12S35K12F	LED Light LoPro 12V2835-S-12-35K-F	125	1.53	12.00	11.093
LP-12S40K12F	LED Light LoPro 12V2835-S-12-40K-F	125	1.53	12.00	11.093
LP-12H35K12F	LED Light LoPro 12V2835-H-12-35K-F	250	2.97	12.00	11.093
LP-12H40K12F	LED Light LoPro 12V2835-H-12-40K-F	250	2.97	12.00	11.093
LP-12S30K12C	LED Light LoPro 12V2835-S-12-30K-C	125	1.53	12.00	11.093
LP-12S35K12C	LED Light LoPro 12V2835-S-12-35K-C	125	1.53	12.00	11.093
LP-12S40K12C	LED Light LoPro 12V2835-S-12-40K-C	125	1.53	12.00	11.093
LP-12H35K12C	LED Light LoPro 12V2835-H-12-35K-C	250	2.97	12.00	11.093
LP-12H40K12C	LED Light LoPro 12V2835-H-12-40K-C	250	2.97	12.00	11.093
23" Nominal Length Item Numbers					
LP-12S30K23F	LED Light LoPro 12V2835-S-23-30K-F	250	3.36	23.00	22.904
LP-12S35K23F	LED Light LoPro 12V2835-S-23-35K-F	250	3.36	23.00	22.904
LP-12S40K23F	LED Light LoPro 12V2835-S-23-40K-F	250	3.36	23.00	22.904
LP-12H35K23F	LED Light LoPro 12V2835-H-23-35K-F	475	6.53	23.00	22.904
LP-12H40K23F	LED Light LoPro 12V2835-H-23-40K-F	475	6.53	23.00	22.904
LP-12S30K23C	LED Light LoPro 12V2835-S-23-30K-C	250	3.36	23.00	22.904
LP-12S35K23C	LED Light LoPro 12V2835-S-23-35K-C	250	3.36	23.00	22.904
LP-12S40K23C	LED Light LoPro 12V2835-S-23-40K-C	250	3.36	23.00	22.904
LP-12H35K23C	LED Light LoPro 12V2835-H-23-35K-C	475	6.53	23.00	22.904
LP-12H40K23C	LED Light LoPro 12V2835-H-23-40K-C	475	6.53	23.00	22.904
35" Nominal Length Item Numbers					
LP-12S30K35F	LED Light LoPro 12V2835-S-35-30K-F	375	5.19	35.00	34.715
LP-12S35K35F	LED Light LoPro 12V2835-S-35-35K-F	375	5.19	35.00	34.715
LP-12S40K35F	LED Light LoPro 12V2835-S-35-40K-F	375	5.19	35.00	34.715
LP-12H35K35F	LED Light LoPro 12V2835-H-35-35K-F	725	10.09	35.00	34.715
LP-12H40K35F	LED Light LoPro 12V2835-H-35-40K-F	725	10.09	35.00	34.715
LP-12S30K35C	LED Light LoPro 12V2835-S-35-30K-C	375	5.19	35.00	34.715
LP-12S35K35C	LED Light LoPro 12V2835-S-35-35K-C	375	5.19	35.00	34.715
LP-12S40K35C	LED Light LoPro 12V2835-S-35-40K-C	375	5.19	35.00	34.715
LP-12H35K35C	LED Light LoPro 12V2835-H-35-35K-C	725	10.09	35.00	34.715
LP-12H40K35C	LED Light LoPro 12V2835-H-35-40K-C	725	10.09	35.00	34.715
47" Nominal Length Item Numbers					
LP-12S30K47F	LED Light LoPro 12V2835-S-47-30K-F	500	7.02	47.00	46.526
LP-12S35K47F	LED Light LoPro 12V2835-S-47-35K-F	500	7.02	47.00	46.526
LP-12S40K47F	LED Light LoPro 12V2835-S-47-40K-F	500	7.02	47.00	46.526
LP-12H35K47F	LED Light LoPro 12V2835-H-47-35K-F	975	13.65	47.00	46.526
LP-12H40K47F	LED Light LoPro 12V2835-H-47-40K-F	975	13.65	47.00	46.526
LP-12S30K47F	LED Light LoPro 12V2835-S-47-30K-F	500	7.02	47.00	46.526
LP-12S35K47F	LED Light LoPro 12V2835-S-47-35K-F	500	7.02	47.00	46.526
LP-12S40K47F	LED Light LoPro 12V2835-S-47-40K-F	500	7.02	47.00	46.526
LP-12H35K47F	LED Light LoPro 12V2835-H-47-35K-F	975	13.65	47.00	46.526
LP-12H40K47F	LED Light LoPro 12V2835-H-47-40K-F	975	13.65	47.00	46.526

LoPro WEATHERTECH CONNECTOR

STRAIGHT MALE
.440
1.210
1.610

90 DEGREE MALE
1.044
.603
1.083
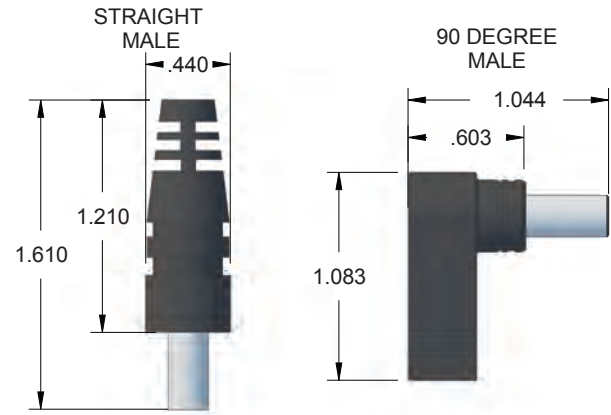
Recommended Driver Options			
Item	Description	Rated Wattage	Voltage
40-00023	High Wattage Wall Adapter	156	12
40-12W/12 Volt	Wall Adapter	36	12

LoPro Round Wire Connectors
2.5MM Pin, 18/2 Spt Cord Type,
Black Customizable Lengths Available

Straight Male to Straight Male

LENGTH

LoPro Wire Connectors	
Length	Part Number
6"	40-00024
16"	40-71156

90 Degree Male to 90 Degree Male

LENGTH

LoPro Wire Connectors	
Length	Part Number
3"	40-71052
6"	41-02928
20"	40-90538
30"	40-90877
108"	40-90876

90 Degree Male to Mini Tyco

LENGTH

LoPro Wire Connectors	
Length	Part Number
10"	40-90545
20"	40-90546
30"	40-95444

Straight Male to 90 Degree Male

LENGTH

LoPro Wire Connectors	
Length	Part Number
16"	40-69612
20"	40-86121
36"	40-90878

Straight Male to Solder End

LENGTH

AA LoPro Wire Connectors	
Length	Part Number
6"	40-00025
38"	41-06359

.530
.856
.750
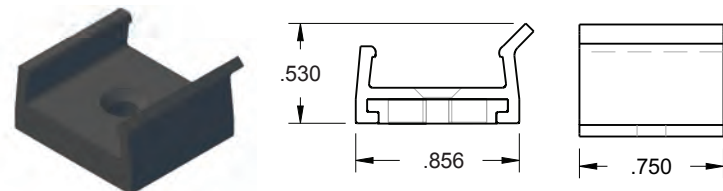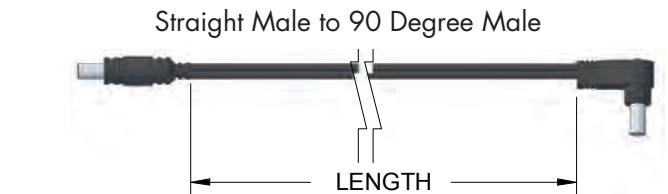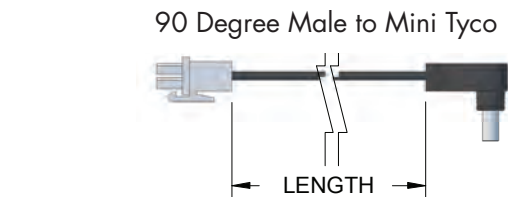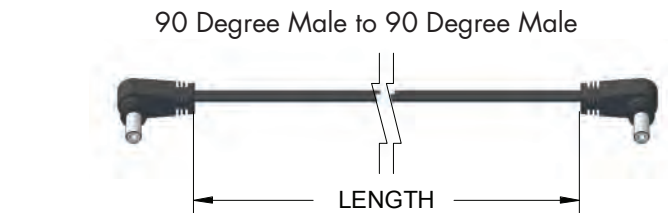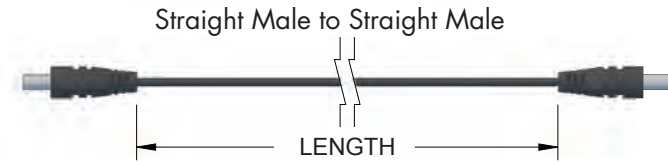
Mounting Clip
PN:60-00012
Clip Has Two Options for Mounting:
Magnetic Bottom or Screw

KIT-24" FLEX ARM
INDUSTRIAL LED INSPECTION LIGHT
IDSL-FLEX24H55K8S

Bendable Flex Arm Allows for Led Orientation That Can Result in No Glare for the User

Standard Nominal 8" Industrial

24" Fully Flexible Arm Allows for 360° Rotation and is Capable of Bending to Almost Any Orientation

Includes 4' Length 24V Wall Plug Power Source

2 Mounting Options

Wall/Machine Mount

Designed for Mounting to Machines, Walls and any Other Flat Surface Capable of Taking a Screw or Bolt

U-Clamp

Designed for Mounting to Tables and Other Surfaces Up to 2" Thick

Flex Arm LED Specs			
Color Temperature	Rated Wattage	Voltage	Lumens
5500K	4.5	24	675

Inspection LED Light and Flex Arm					
Item	Item Description	Lumens	Watts/Light	Nominal Length	Overall Length
IDSL-FLEX-24H55K8S	KIT-24" Flex Arm Industrial LED Inspection Light	475	4.48	Light 8" Flex Arm 24"	Light 7.31" Flex Arm 24"

AA Round LED Light

2.1mm Pin Connector

ABS Plastic End Caps, NSF Approved

Protective Polycarbonate Lens Available in Clear or Frosted

6063-T6 Aluminum Housing Results in Cool Running

120° of Light
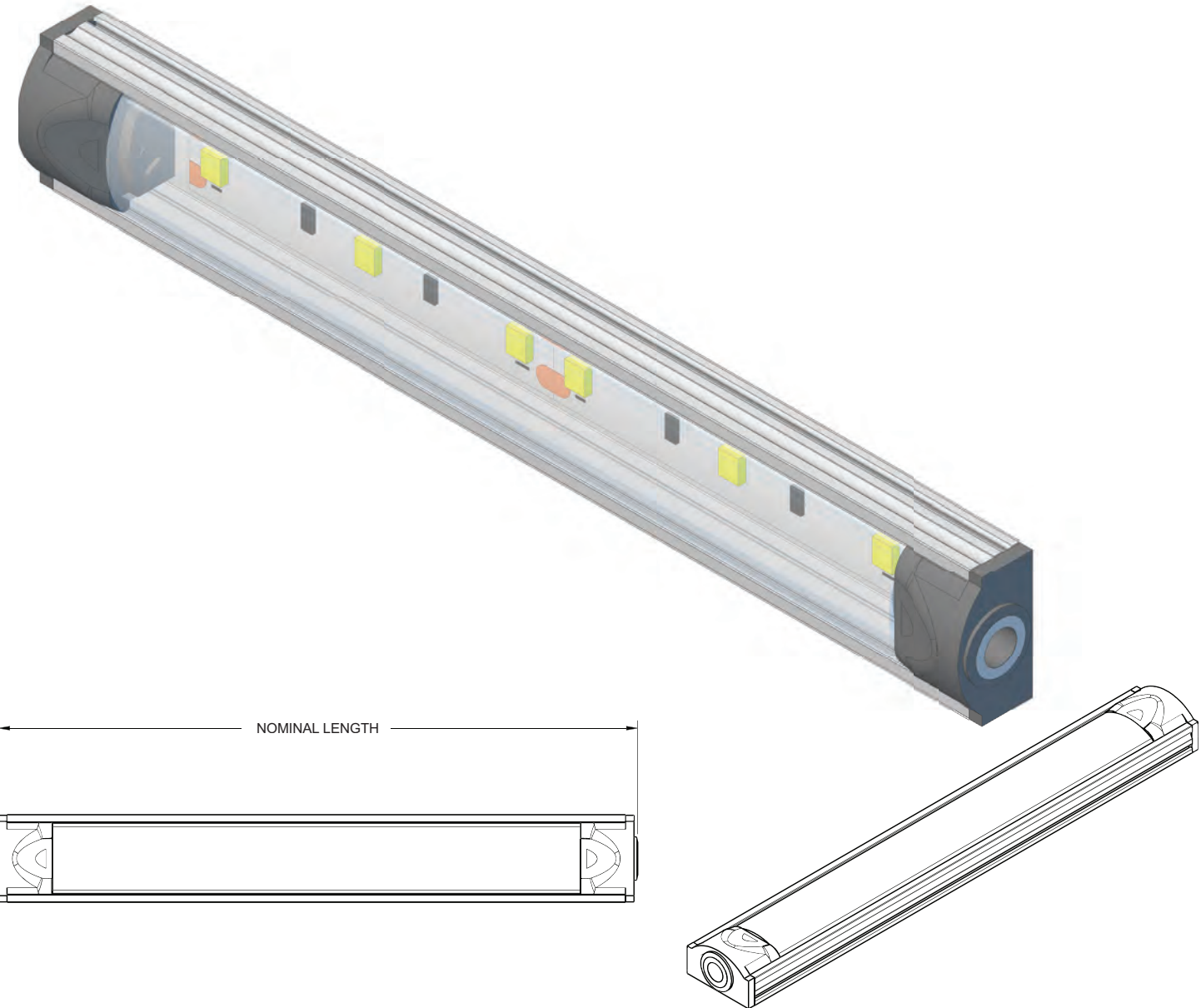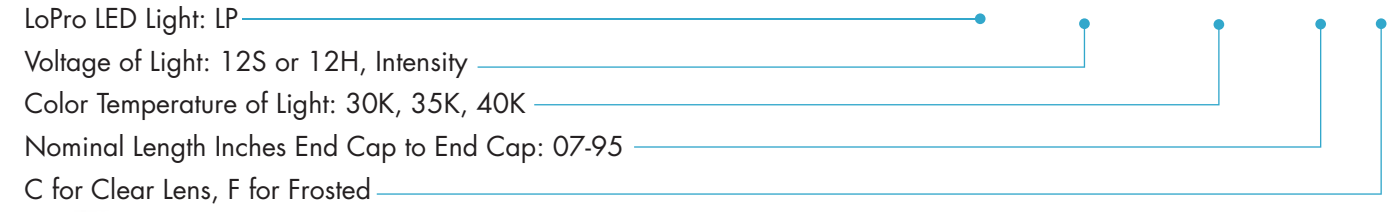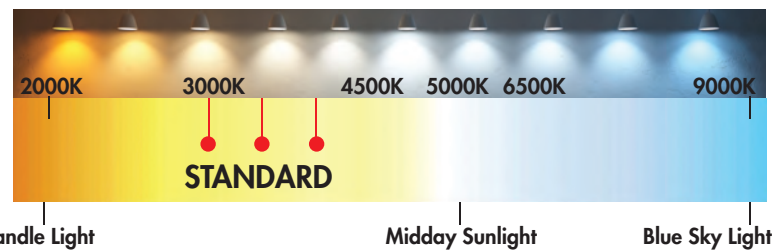
UL Listed Led Strip

CONFORMS TO UL STD 2108
CERTIFIED TO CSA STD C22.2#9.0
IP RATING 54

Customizable 7"–95"

(Actual Less Than Nominal)
Nominal Length - Total Length of Light Only

2.1mm Pin Connector

Need 1.5" Clearance
Each Side for Connector

Customs Available with Volume					
Color Temperature	Voltage	LED	Watts/12"	Lumens/12"	Chainable
3000K	12	60	1.86	130	40'
3500K	12	60	1.86	130	40'
4000K	12	60	1.86	130	40'
3000K	12	120	3.62	250	24'
3500K	12	120	3.62	250	24'
4000K	12	120	3.62	250	24'

2000K 3000K 4500K 5000K 6500K 9000K

STANDARD

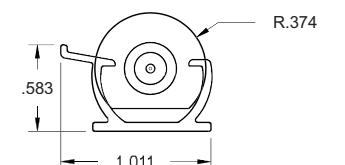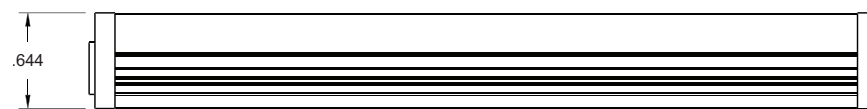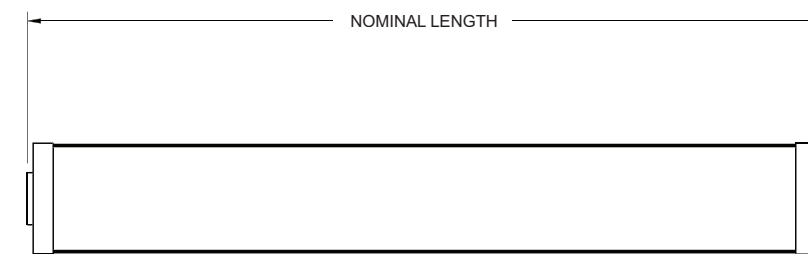Candle Light   Midday Sunlight   Blue Sky Light

Part Number Nomenclature

LP-12S-40K-31-F

LoPro LED Light: LP
Voltage of Light: 12S or 12H, Intensity
Color Temperature of Light: 30K, 35K, 40K
Nominal Length Inches End Cap to End Cap: 07-95
C for Clear Lens, F for Frosted

NOMINAL LENGTH

.700

.412

.523

.926

w/ MOUNTING CLIP

LoPro LED Light

2.5mm Pin Connector

ABS Plastic Endcaps, NSF Approved

+12V

6063-T5 Aluminum Housing Results In Cool Running

Lens Available Clear or Diffused Polycarbonate

+12V

+12V

120° of Light

UL Listed Led Strip

+12V

Round LED Light: RND

Voltage of Light: 12S or 12H, Intensity

Color Temperature of Light: 30K, 35K, 40K

Nominal Length Inches End Cap to End Cap: 07-95
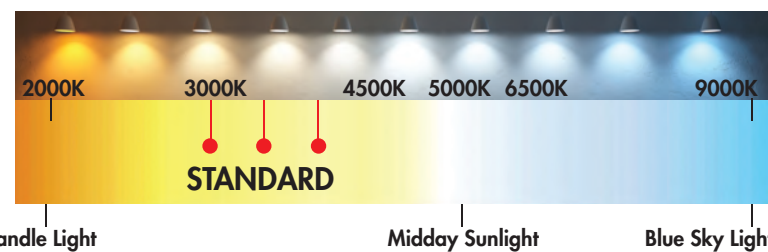
C for Clear Lens, F for Frosted
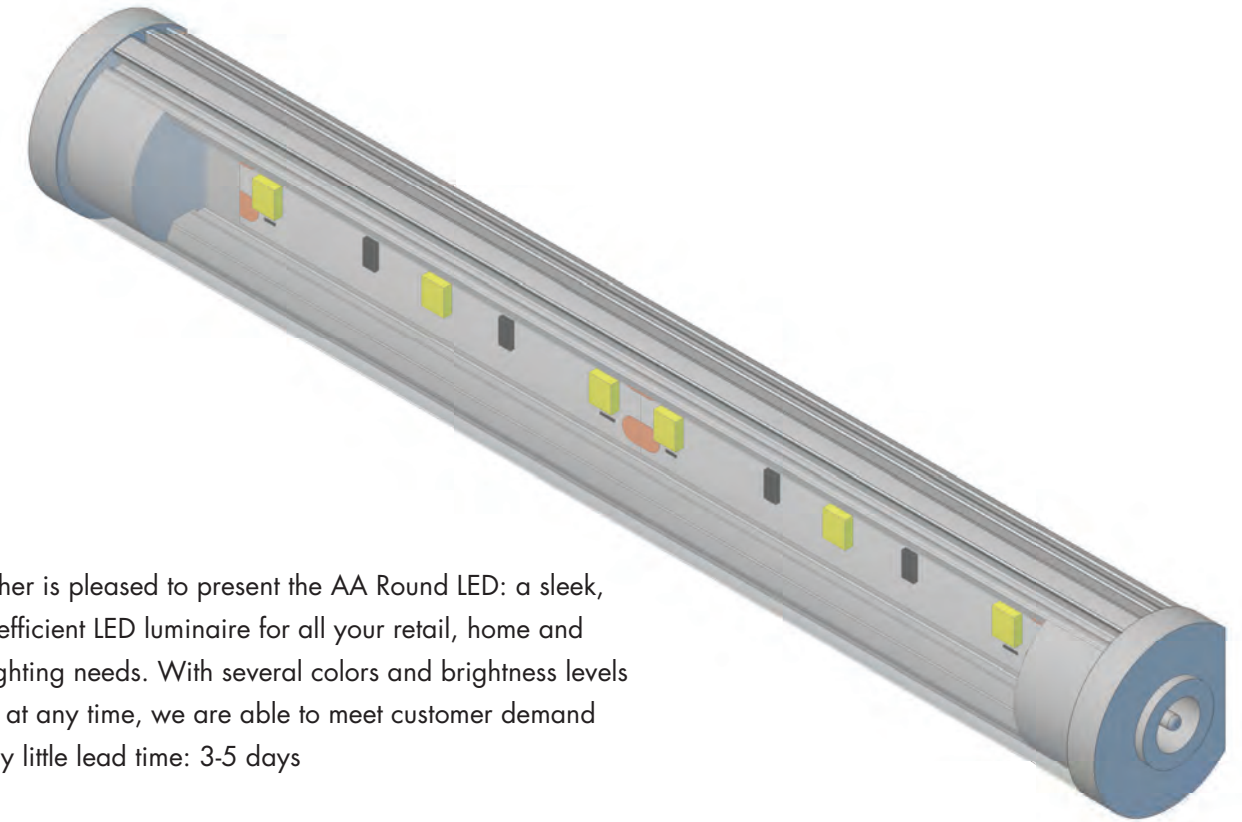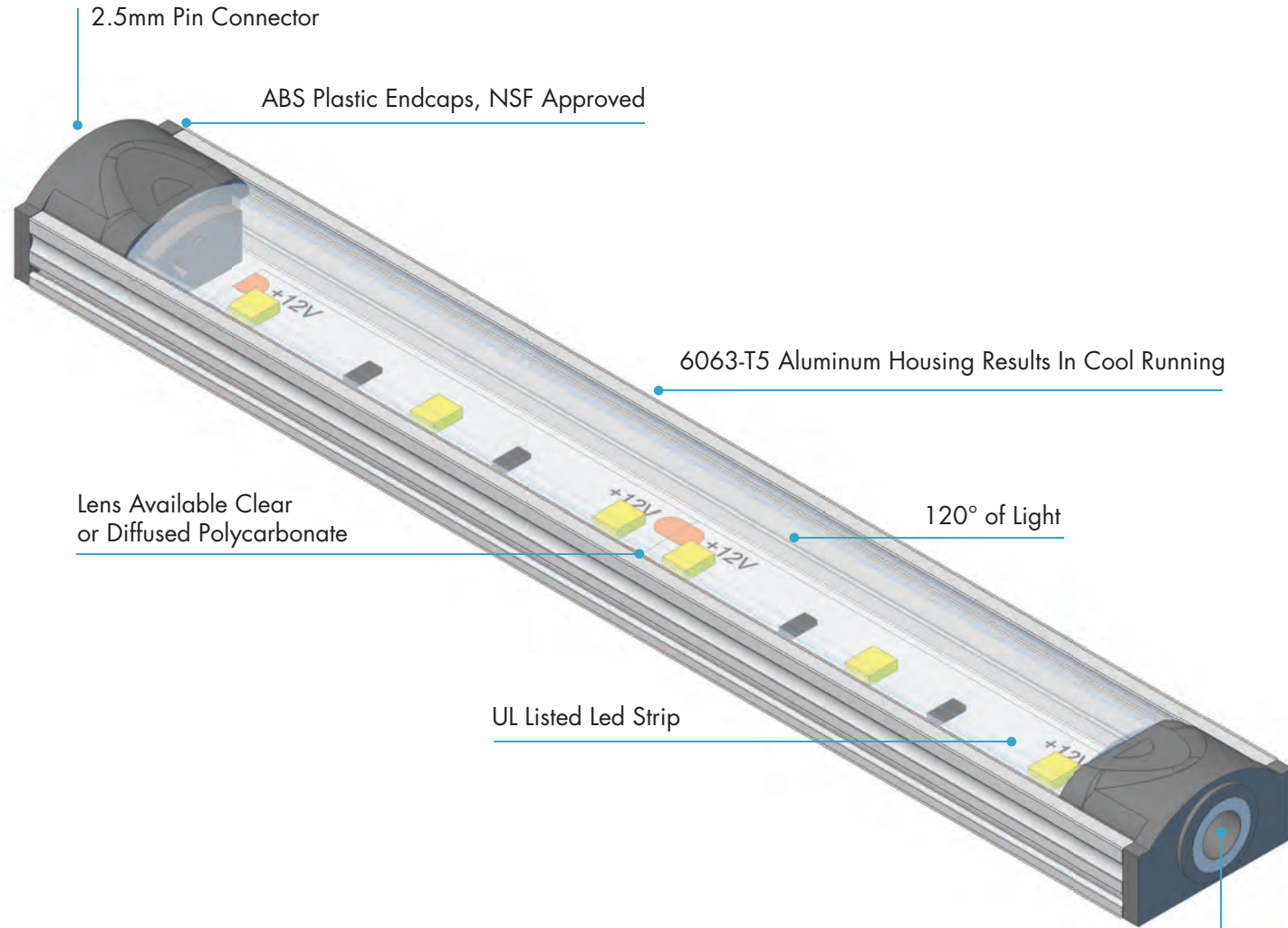
Arc Archer is pleased to present the AA Round LED: a sleek, energy efficient LED luminaire for all your retail, home and office lighting needs. With several colors and brightness levels on shelf at any time, we are able to meet customer demand with very little lead time: 3-5 days
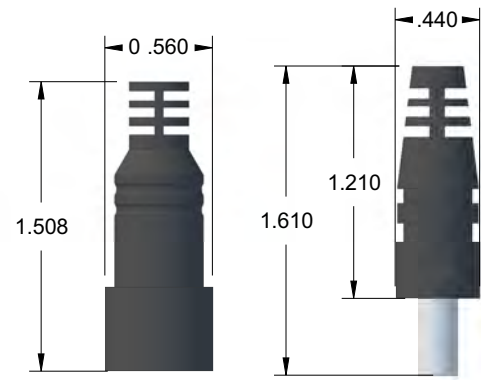
CUSTOMIZABLE 7"–95"
(Actual Less Than Nominal)
Nominal Length - Total Length of Light Only

2.5mm Pin Connector

Need 1.5" Clearance Each Side for Connector

Customs Available with Volume					
Color Temperature	Voltage	LED	Watts/12"	Lumens/12"	Chainable
3000K	12	60	1.86	130	40'
3500K	12	60	1.86	130	40'
4000K	12	60	1.86	130	40'
3000K	12	120	3.62	250	24'
3500K	12	120	3.62	250	24'
4000K	12	120	3.62	250	24'

2000K   3000K   4500K 5000K 6500K   9000K

STANDARD

Candle Light   Midday Sunlight   Blue Sky Light

ETL
c LISTED us
Intertek
CONFORMS TO UL STD 2108
CERTIFIED TO CSA STD C22.2#9.0
IP RATING 54

NOMINAL LENGTH

.644

.583

1.011

R.374

AA ROUND WEATHERTECH CONNECTOR

Recommended Driver Options

| Description	Rated Wattage	Voltage
High Wattage Wall Adapter	156	12
Wall Adapter	36	12

AA Round Wire Connectors
2.1MM Pin, 18/2 Spt Cord Type,
Black Customizable Lengths Available

Straight Male To Straight Male

AA Round Wire Connectors	
Length	Part Number
3"	40-MPMP-18003
6"	40-MPMP-18006
12"	40-MPMP-18012

Straight Male To Straight Female

AA Round Wire Connectors	
Length	Part Number
6"	40-FPMP-18006
12"	40-FPMP-18012
18"	40-FPMP-18018
24"	40-FPMP-18024

Straight Male To Solder End

AA Round Wire Connectors	
Length	Part Number
6"	40-MP-18006
14"	40-MP-18014

Straight Female To Solder End

AA Round Wire Connectors	
Length	Part Number
14"	40-FP-18014
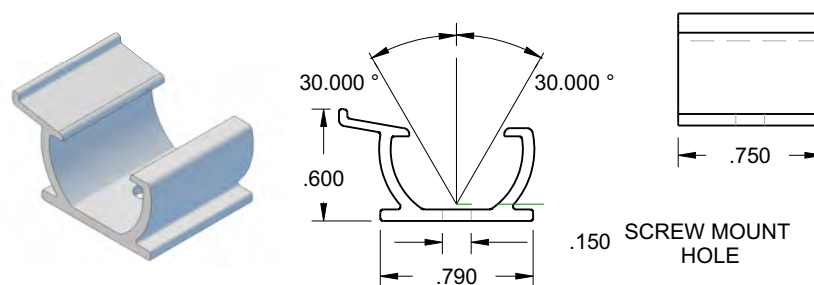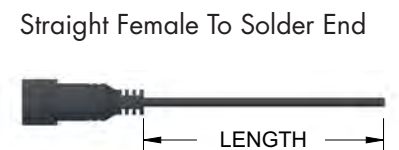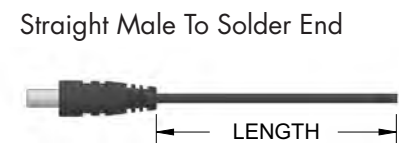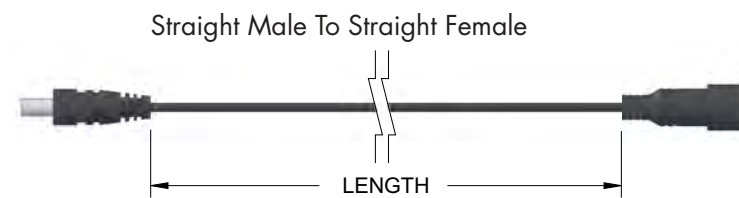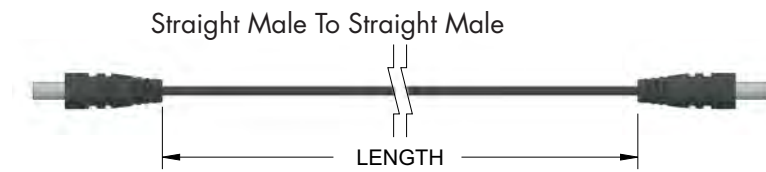
Mounting Clip
Pn: 60-00003
Makes Mounting to Any Surface Easy

Mounting Clip Allows Direction of Light
to be Angled up to 30° off Center

Round LED Light

Item	Item Description	Lumens	Watts/Light	Nominal Length	Overall Length
11" Nominal Length Item Numbers					
RND-12S30K11C	LED Light Round 12V2835-S-11-30K-C	125	1.53	11.00	10.875
RND-12S35K11C	LED Light Round 12V2835-S-11-35K-C	125	1.53	11.00	10.875
RND-12S40K11C	LED Light Round 12V2835-S-11-40K-C	125	1.53	11.00	10.875
RND-12H35K11C	LED Light Round 12V2835-H-11-35K-C	250	2.98	11.00	10.875
RND-12H40K11C	LED Light Round 12V2835-H-11-40K-C	250	2.98	11.00	10.875
RND-12S30K11F	LED Light Round 12V2835-S-11-30K-F	125	1.53	11.00	10.875
RND-12S35K11F	LED Light Round 12V2835-S-11-35K-F	125	1.53	11.00	10.875
RND-12S40K11F	LED Light Round 12V2835-S-11-40K-F	125	1.53	11.00	10.875
RND-12H35K11F	LED Light Round 12V2835-H-11-35K-F	250	2.98	11.00	10.875
RND-12H40K11F	LED Light Round 12V2835-H-11-40K-F	250	2.98	11.00	10.875
23" Nominal Length Item Numbers					
RND-12S30K23C	LED Light Round 12V2835-S-23-30K-C	250	3.35	23.00	22.625
RND-12S35K23C	LED Light Round 12V2835-S-23-35K-C	250	3.35	23.00	22.625
RND-12S40K23C	LED Light Round 12V2835-S-23-40K-C	250	3.35	23.00	22.625
RND-12H35K23C	LED Light Round 12V2835-H-23-35K-C	475	6.52	23.00	22.625
RND-12H40K23C	LED Light Round 12V2835-H-23-40K-C	475	6.52	23.00	22.625
RND-12S30K23F	LED Light Round 12V2835-S-23-30K-F	250	3.35	23.00	22.625
RND-12S35K23F	LED Light Round 12V2835-S-23-35K-F	250	3.35	23.00	22.625
RND-12S40K23F	LED Light Round 12V2835-S-23-40K-F	250	3.35	23.00	22.625
RND-12H35K23F	LED Light Round 12V2835-H-23-35K-F	475	6.52	23.00	22.625
RND-12H40K23F	LED Light Round 12V2835-H-23-40K-F	475	6.52	23.00	22.625
35" Nominal Length Item Numbers					
RND-12S30K35C	LED Light Round 12V2835-S-35-30K-C	375	5.19	35.00	34.500
RND-12S35K35C	LED Light Round 12V2835-S-35-35K-C	375	5.19	35.00	34.500
RND-12S40K35C	LED Light Round 12V2835-S-35-40K-C	375	5.19	35.00	34.500
RND-12H35K35C	LED Light Round 12V2835-H-35-35K-C	725	10.10	35.00	34.500
RND-12H40K35C	LED Light Round 12V2835-H-35-40K-C	725	10.10	35.00	34.500
RND-12S30K35F	LED Light Round 12V2835-S-35-30K-F	375	5.19	35.00	34.500
RND-12S35K35F	LED Light Round 12V2835-S-35-35K-F	375	5.19	35.00	34.500
RND-12S40K35F	LED Light Round 12V2835-S-35-40K-F	375	5.19	35.00	34.500
RND-12H35K35F	LED Light Round 12V2835-H-35-35K-F	725	10.10	35.00	34.500
RND-12H40K35F	LED Light Round 12V2835-H-35-40K-F	725	10.10	35.00	34.500
47" Nominal Length Item Numbers					
RND-12S30K47C	LED Light Round 12V2835-S-47-30K-C	500	7.01	47.00	46.250
RND-12S35K47C	LED Light Round 12V2835-S-47-35K-C	500	7.01	47.00	46.250
RND-12S40K47C	LED Light Round 12V2835-S-47-40K-C	500	7.01	47.00	46.250
RND-12H35K47C	LED Light Round 12V2835-H-47-35K-C	975	13.64	47.00	46.250
RND-12H40K47C	LED Light Round 12V2835-H-47-40K-C	975	13.64	47.00	46.250
RND-12S30K47F	LED Light Round 12V2835-S-47-30K-F	500	7.01	47.00	46.250
RND-12S35K47F	LED Light Round 12V2835-S-47-35K-F	500	7.01	47.00	46.250
RND-12S40K47F	LED Light Round 12V2835-S-47-40K-F	500	7.01	47.00	46.250
RND-12H35K47F	LED Light Round 12V2835-H-47-35K-F	975	13.64	47.00	46.250
RND-12H40K47F	LED Light Round 12V2835-H-47-40K-F	975	13.64	47.00	46.250