HUBBELL
Outdoor Lighting

BRAND PROFILE

• Founded in 1963

Hubbell Outdoor Lighting established its position as the high quality producer of outdoor lighting serving the full range of commercial, institutional and industrial outdoor applications. With an in-depth knowledge of the electrical distributor and contractor markets, Hubbell Outdoor Lighting has consistently combined innovative energy-saving technology, practical lighting solutions and service-oriented performance.

PRODUCT OFFERING

Hubbell Outdoor Lighting provides energy-efficient LED lighting solutions for a wide variety of outdoor applications including: floodlighting, wallpacks, landscape, parking garage, roadway, dusk-to-dawn, solar and vaportites. Hubbell Outdoor Lighting brands' luminaires integrate the latest LED advancements and deliver optical performance better than historical HID fixtures with higher lumen packages. By leveraging the advantages of solid state technology, our versatile portfolio delivers ideal outdoor lighting solutions with longer life, more visual acuity, better uniformity and reduced energy usage. All these attributes provide value-oriented, energy-saving, environmentally friendly solutions.

LED   FLOODLIGHTING

LED PRODUCTS GUIDE

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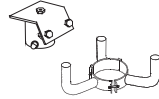pages 145

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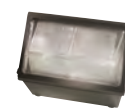Wallpack Family
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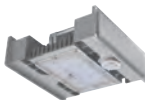page 156

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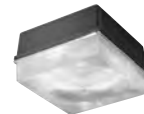PGM3 Glass
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SOLAR LIGHTING

SOLAR LIGHTING GUIDE

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LED Products Guide

Hubbell Outdoor and Spaulding Lighting brands provide energy-efficient LED lighting solutions for a wide variety of outdoor applications from area/site, floodlighting, landscape and low level pedestrian to wallpacks. Hubbell Outdoor Lighting brands' luminaires integrate the latest LED advancements and deliver optical performance that can perform as well as, and in most cases, better than historical HID fixtures with higher lumen packages. By leveraging the advantages of solid state technology, our versatile portfolio delivers ideal outdoor lighting solutions with longer life, more visual acuity, better uniformity and reduced energy usage.

There are many factors to consider when choosing LED lighting. As leading experts in this field, we have developed performance information for each product below the ordering nomeclature. This resource will help guide you in your luminaire selection process.

PERFORMANCE INFORMATION

Each product in this guide includes complete product information in easy to read modules. Information specific to energy-efficiency, LED performance, traditional luminaire source equivalency, CCT and application is outlined below.

Percentage of energy savings over traditional light sources

Equivalent traditional light sources

Total watts consumed by luminaire

Suggested application

Voltage range options

Series Number	Equivalency			Delivered Lumens	System Watts	Lumens Per Watt	Mounting Height	CCT	Voltage	Drivers/ Current
	MH	HPS	CFL							
71% SAVINGS! LMC-30L	250w	250w	2x42w	6,023	70	86	15-18 ft.	5100K	120-277V	2@700mA
77% SAVINGS! LMC-30L-035	150w+	150w+	2x42w	3,448	35	99	12-15 ft.	5100K	120-277V	1@350mA

Industry listings, energy-efficiency and environmental qualifications

Number of LEDs

Maximum lumens produced by luminaire

Luminaire efficacy

(CCT) Correlated Color Temperature

Number of drivers and drive current

ADDITIONAL LED LIGHTING RESOURCES

Hubbell Outdoor Lighting brands offer additional on-line and printed resources providing information on energy-efficient LED lighting solutions for a variety of outdoor applications from area/site, floodlighting, landscape and low level pedestrian to wallpacks.

LED RESOURCES:

- LED building mount selection guide
- LED floodlighting selection guide
- Cimarron LED – Guide to energy efficient parking lot lighting designs
- Cimarron LED – Auto dealership case study
- Cimarron LED – TD convention center case study
- Roadway LED retrofit case study
- Solar lighting solutions

Visit **www.hubbelloutdoorlighting.com** or **www.spauldinglighting.com** for the most up-to-date information.
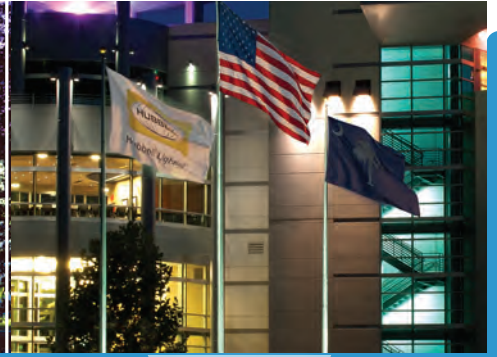
HUBBELL Outdoor Lighting

SPAULDING LIGHTING

LED Selection Guides

Floodlighting Selection Guide

WIDE BEAM **MEDIUM BEAM** **NARROW BEAM**

Wide Beam

ALF-6LU*   ALF-12LU*

FSL-7*   FML-14*   MHS-30LU-W   FLL   ARF3

ARF1   ARF2   MLED-SERIES   FXL   ARF4

Medium Beam

ARF1   ARF2   ARF3   ARF4

MHS-30LU-M   MLED-SERIES

Narrow Beam

ARF1   ARF2   ARF3   ARF4

MHS-30LU-N   MLED-SERIES

Building Mount Selection Guide

15 - 20 ft	DDL-9L*	LAREDO LMC-30L		PGM3*	PVL3*	TRP	RDI
12 - 15 ft	LNC2 18L / LNC2 12L*	LAREDO LMC-30L-035		WGH	QSP		
10 - 12 ft	LNC 9L* / LNC 7L*			TRPC	RDIC	QSPC	
UP TO 10 ft	LNC 5L*			ALFW-6LU*	EUROLUXE	NRG-312LU*	

Right-side labels: 175-250w HID · 70-150w HID · 26-42w CFL (EQUIVALENT HID/CFL WATTAGES)

*EXPRESSLINE PRODUCTS

SPAULDING LIGHTING

HUBBELL Outdoor Lighting

FSL

Decorative Flood

- Ultra-compact size measuring only 4.5" x 7.5" x 4"
- Wide flood NEMA 6 x 6 distribution for general purpose flood and facade lighting
- Traditional ½" x 14 NPS threaded adjustable knuckle mounting
- 120-277V operation (PC version 120V only)
- Rugged die-cast aluminum housing with dark bronze finish
- Vented housing isolates LED module from driver maximizing product life and performance

- High impact UV stabilized acrylic outer lens protects LEDs and allows for cleaning and debris removal
- DesignLights Consortium (DLC) qualified
- IP66, listed to UL1598 for use in wet locations
- Four color multi-language merchandising carton with application details
- Visor and vandal shield available

ORDERING INFORMATION

Catalog Number	Mount	Beam Pattern	Wattage	Drive Current	Voltage	Color Temperature	Lumens	LPW	Weight lbs. (kg)
FSL-7	1/2" thread	Wide	26.5	1050mA	120-277V	5100K	2040	77	6 (2.7)
FSL-7-PC1	1/2" thread	Wide	26.5	1050mA	120V	5100K	2040	77	6 (2.7)

PERFORMANCE INFORMATION

Series Number	Equivalency			Delivered Lumens	System Watts	Lumens Per Watt	Max Candle Power	Beam Pattern	CCT	Voltage	Drivers/ Current
	MH	HPS	CFL								
82% SAVINGS! FSL-7	100w	100w	42w	2040	26.5	77	1450	Wide	5100K	120-277V	1@1050mA
82% SAVINGS! FSL-7-PC1											

ACCESSORIES/REPLACEMENT PARTS - Order Separately

Catalog Number	Description
FSL-SPC	Polycarbonate shield/lens (Replaces existing acrylic lens)
FSL-VISOR-XX[1]	Top/bottom visor (Tap holes in lens frame for field installation)
93047942AC	Acrylic lens w/ gasket
93047957	25w, 120-277V Dimming driver, 1040mA
20750110264	Knuckle mount Dark Bronze finish; Contact factory for additional finishes

1 Specify finish color to match fixture e g DB Bronze

DIMENSIONS
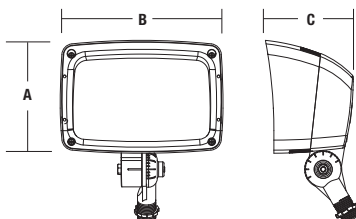
A	B	C
4.5"	7.5"	4"
114 mm	190 mm	102 mm

HUBBELL
Outdoor Lighting

FML
Decorative Flood

- Compact size measuring only 6.7" x 9.6" x 4.5"
- Wide flood NEMA 6 x 6 distribution for general purpose flood and facade lighting
- Traditional ½" x 14 NPS threaded adjustable knuckle mounting
- 120-277V operation (PC version 120V only)
- Rugged die-cast aluminum housing with dark bronze finish
- DesignLights Consortium (DLC) qualified

- High impact UV stabilized acrylic outer lens protects LEDs and allows for cleaning and debris removal
- IP65, listed to UL1598 for use in wet locations
- Four color multi-language merchandising carton with application details
- Visor and vandal shield available
- Vented housing isolates LED module from driver maximizing product life and performance

ORDERING INFORMATION

Catalog Number	Mount	Beam Pattern	Wattage	Drive Current	Voltage	Color Temperature	Lumens	LPW	Weight lbs. (kg)
FML-14	1/2" thread	Wide	53	1050mA	120-277V	5100K	4285	81	8.5 (3.8)
FML-14-PC1	1/2" thread	Wide	53	1050mA	120V	5100K	4285	81	8.5 (3.8)

PERFORMANCE INFORMATION

Series Number	Equivalency			Delivered Lumens	System Watts	Lumens Per Watt	Max Candle Power	Beam Pattern	CCT	Voltage	Drivers/ Current
	MH	HPS	CFL								
78% SAVINGS! FML-14	150w	150w	2x42w	4285	53	81	2805	Wide	5100K	120-277V	1@1050mA
78% SAVINGS! FML-14-PC1											

ACCESSORIES/REPLACEMENT PARTS - Order Separately

Catalog Number	Description
FML-SPC	Polycarbonate shield/lens (Replaces existing acrylic lens)
FML-VISOR-XX[1]	Top/Bottom visor (Tap holes in lens frame to field install)
93047961AC	Acrylic lens w/ gasket
93047971	50w, 120-277V Dimming driver, 1040mA
20750110264	Knuckle mount Dark Bronze finish; Contact factory for additional finishes

1 Specify finish color to match fixture e g DB   Bronze

DIMENSIONS
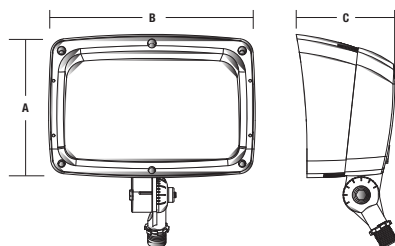
A	B	C
6.7"	9.6"	4.5"
169 mm	244 mm	115 mm

FLL

Large Decorative Flood

NEW

Large LED flood with wide beam NEMA 6 x 6 distribution for lighting applications such as safety/security, facade, area, or signs; operating temperature range -35°C to 40°C

- 28 high powered LEDs deliver 8054 lumens
- 5100K CCT, 67 CRI
- Rugged die-cast aluminum housing with dark bronze finish
- Tempered glass lens protects LEDs and allows for cleaning/debris removal
- Visor accessory available

- Vented housing isolates LED module from driver, maximizing product life and performance
- 120-277V operation, 50/60Hz 100w, 1050mA, 80.5 LPW
- DesignLights Consortium (DLC) qualified
- IP65, listed to UL1598 for use in wet locations
- Driver RoHS compliant and IP66
- 0-10V dimming driver
- Traditional adjustable yoke mounting
- 3' SEOOW cord

ORDERING INFORMATION

Catalog Number	Mount	Max Candle Power	Beam Pattern	Wattage	Drive Current	Voltage	Color Temperature	Lumens	LPW	Weight lbs. (kg)
FLL-28L	Yoke	5508	Wide	100w	1050mA	120-277V	5100K	8054	80.5	20 (9.0)

PERFORMANCE INFORMATION

Series Number	Equivalency			Delivered Lumens	System Watts	Lumens Per Watt	Max Candle Power	Beam Pattern	CCT	Voltage	Drivers/ Current
	MH	HPS	CFL								
FLL-28L (50% SAVINGS!)	200w	200w	2x42w+	8054	100	80.5	5508	6x6	5100K	120-277V	1@1050mA

ACCESSORIES/REPLACEMENT PARTS - Order Separately

Catalog Number	Description
FLL-VISOR-XX[1]	Top/Bottom visor (Tap holes in lens frame for field installation)
93058186	96w, 120-277V Dimming driver, 1050mA (1 Qty)

1 Specify finish color to match fixture; e.g. DB Bronze

DIMENSIONS

A	B	C	D	Weight
15"	13.5"	7.0"	6"	20.6 lbs.
380 mm	524 mm	188 mm	152 mm	9.3 kg
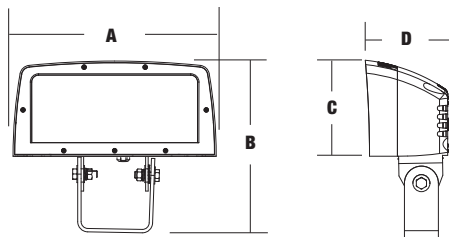
HUBBELL Outdoor Lighting

Large Decorative Flood

Extra large LED flood with wide beam NEMA 6 x 6 distribution for lighting applications such as safety/security, facade, area, or signs; operating temperature range -35°C to 40°C

- 56 high powered LEDs deliver 16358 lumens
- 5100K CCT, 67 CRI
- Rugged die-cast aluminum housing with dark bronze finish
- Tempered glass lens protects LEDs and allows for cleaning/debris removal
- Visor accessory available

- Vented housing isolates LED module from driver, maximizing product life and performance
- 120-277V operation, 50/60Hz 200w, 1050mA, 82 LPW
- DesignLights Consortium (DLC) qualified
- IP65, listed to UL1598 for use in wet locations
- Driver RoHS compliant and IP66
- 0-10V dimming driver
- Traditional adjustable yoke mounting
- 3' SEOOW cord

NEW

ORDERING INFORMATION

Catalog Number	Mount	Max Candle Power	Beam Pattern	Wattage	Drive Current	Voltage	Color Temperature	Lumens	LPW	Weight lbs. (kg)
FLL-56L	Yoke	10872	Wide	200w	1050mA	120-277V	5100K	16358	82	32 (14.5)

PERFORMANCE INFORMATION

Series Number	Equivalency			Delivered Lumens	System Watts	Lumens Per Watt	Max Candle Power	Beam Pattern	CCT	Voltage	Drivers/ Current
	MH	HPS	CFL								
FXL-56L (50% SAVINGS!)	400w	400w	2x42w+	16358	200	82	10872	6x6	5100K	120-277V	2@1050mA

ACCESSORIES/REPLACEMENT PARTS - Order Separately

Catalog Number	Description
FLL-VISOR-XX[1]	Top/Bottom visor (Tap holes in lens frame for field installation)
93058186	96w, 120-277V Dimming driver, 1050mA (2 Qty)

1 Specify finish color to match fixture; e.g. DB   Bronze

DIMENSIONS
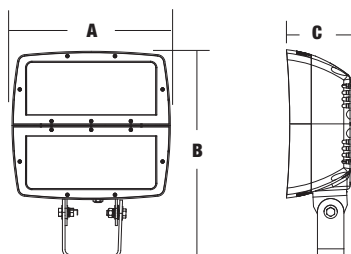
A	B	C	Weight
15"	19.4"	6"	36.2 lbs.
380 mm	590 mm	152 mm	16.4 kg

HUBBELL Outdoor Lighting

MHS

Miniliter® LED Series

MHS YOKE MOUNT

Energy-efficient LED floodlight for sign, facade, area, accent and general security lighting

- Die-cast aluminum housing and door, rugged, corrosion resistant and compact
- Tempered, impact resistant glass lens
- Tool-free entry for easy maintenance – twin stainless steel latches
- Protective dark bronze powder paint finish
- Effective projected area (EPA) is 1.4 sq. ft.
- 30 high powered LEDs deliver up to 6200 lumens at 700mA with 88 LPW efficacy
- Different lenses offer a variety of beam spreads – Narrow, Medium, Rectangular and Wide
- 10KA, 10KV surge protection included
- 3000K, 4200K, and 5100K CCT
- Silicone lens/door gasket provides positive seal

- Electronic driver 71w system. 0.4 AMPS max, 120-277V, 50/60Hz, 0-10V dimming
- Flat glass lens protects LEDs and allows debris removal
- Steel yoke (MHS-Y) with three-hole pattern allows versatile mounting
- Cast aluminum knuckle (MHS-K) slip-fits 2 3/8" OD tenons/pipe, provides concealed wiring for appearance and safety
- Listed to UL 1598 for use in wet locations
- 4K and 5K models meet DesignLights Consortium (DLC) qualifications, consult DLC website for more details: http://www.designlights.org/QPL

ORDERING INFORMATION

| MHS | – | | – | 30L | | – | | – | | – | | – | | – | | – | |

FAMILY	MOUNTING	# LEDS	VOLTAGE[2]	CCT	BEAM	DRIVE CURRENT	FIXTURE COLOR	PC	OPTIONS
MHS	Y Yoke K Knuckle	30L	U 120V-277V 1 120V 2 208V 3 240V 4 277V 5 480V F 347V	3K[1] 3000K, 80 CRI 4K[1] 4200K, 70 CRI 5K[1] 5100K, 67 CRI	N Narrow (Narrow 3x3) M Medium (Wide 3x3) RM Rectangular (5x5) W Wide (6x6)	BLANK 700mA	BZ Bronze BL Black WH White GR Gray PL Platinum CC Custom Color	PC Photo button Control (voltage specified and determined by voltage field) PCR Twist lock photocontrol receptacle	F Fusing (voltage specified and determined by voltage field)

1 Nominal CCT
2 Specify voltage for PC and Fusing options

PERFORMANCE INFORMATION

	Series Number	Equivalency		Delivered Lumens	System Watts	Lumens Per Watt	Max Candle Power	Beam Pattern	CCT	Voltage	Drivers/ Current
		MH	HPS								
71% SAVINGS!	MHS-X-30LU-3K-N	250w	250w	4500	71	64	34958	Narrow 3 X 3	3000K	120-277V	1@700mA
71% SAVINGS!	MHS-X-30LU-3K-M	250w	250w	4632	71	65	19018	Wide 3 X 3	3000K	120-277V	1@700mA
71% SAVINGS!	MHS-X-30LU3K-RM	250w	250w	4079	71	58	7146	Rectangular 5 X 5	3000K	120-277V	1@700mA
71% SAVINGS!	MHS-X-30LU-3K-W	250w	250w	4468	71	63	3755	6 X 6	3000K	120-277V	1@700mA
71% SAVINGS!	MHS-X-30LU-4K-N	250w	250w	5530	71	79	43674	Narrow 3 X 3	4200K	120-277V	1@700mA
71% SAVINGS!	MHS-X-30LU-4K-M	250w	250w	5996	71	86	23391	Wide 3 X 3	4200K	120-277V	1@700mA
71% SAVINGS!	MHS-X-30LU-4K-RM	250w	250w	5163	71	74	9514	Rectangular 5 X 5	4200K	120-277V	1@700mA
71% SAVINGS!	MHS-X-30LU-4K-W	250w	250w	5792	71	82	4538	6 X 6	4200K	120-277V	1@700mA
77% SAVINGS!	MHS-X-30LU-5K-N	250w	250w	6045	71	85	45341	Narrow 3 X 3	5100K	120-277V	1@700mA
77% SAVINGS!	MHS-X-30LU-5K-M	250w	250w	6233	71	88	24530	Wide 3 X 3	5100K	120-277V	1@700mA
77% SAVINGS!	MHS-X-30LU-5K-RM	250w	250w	5575	71	79	9246	Rectangular 5 X 5	5100K	120-277V	1@700mA
77% SAVINGS!	MHS-X-30LU-5K-W	250w	250w	6164	71	87	4559	6 X 6	5100K	120-277V	1@700mA

DIMENSIONS

A	B	C	D	E	F	G	H	I	Weight
6 1/2"	14 1/2"	12"	9 7/8"	16 1/4"	3 1/8"	17/32"	7/8"	17"	20 lbs.
165 mm	368 mm	305 mm	251 mm	413 mm	79 mm	14 mm	22 mm	432 mm	(9.1) kgs.
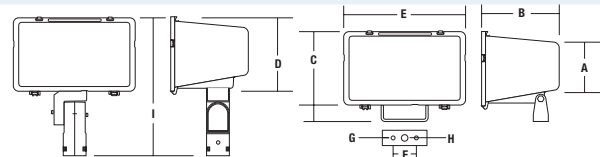
MHS KNUCKLE MOUNT

MHS YOKE MOUNT

HUBBELL
Outdoor Lighting

MLED

Magnuliter LED Floodlights

The MLED family is a large area LED floodlight designed to provide multiple NEMA distributions for best beam utilization on your application. Typical uses are area lighting for safety and security, build façade illumination, flag lighting, large sign or statuary accent.

The family includes two LED assemblies, an 80 LED engine that produces a nominal 11,000 lumens and a 40 LED engine with 5,500 lumens. Each engine is featured with three NEMA beam spreads (3x3, 5x5, 7x7) to allow the best utilization of the lumens and reduce spill light. The light engine is protected from the elements by the sealed tempered molded glass outer lens.

- LED drivers are universal 120-277V, 50/60Hz

- 40 LED floods 107w, 120-277V
- 80 LED floods 179w, 120-277V
- The lens door is sealed with four stainless steel screws and features a convex molded glass protective lens sealed with silicone gaskets
- A heavy gauge steel full yoke with aiming angle increments provided along with locking washers and stars for vibration resistance
- Listed to UL1598 for use in wet locations, IP65 rated; Some models meet DesignLights Consortium (DLC) qualifications, consult DLC website for more details: http://www.designlights.org/QPL

MLED-80LU-5K-W
MLED-80LU-5K-M
MLED-80LU-5K-N

ORDERING INFORMATION

MLED	-		U	-	5K	-		-		-	

SERIES	NUMBER OF LEDS	VOLTAGE	CCT	BEAM SPREAD	FINISH	OPTIONS
MLED Magnuliter LED Series	**40L** 40 LEDs **80L** 80 LEDs	**U** 120-277V **5** 480V	**5K** 4800K nominal	**W** Wide 7x7 **M** Medium 5x5 **N** Narrow 3x3	**Standard** **BZ** Bronze **Optional** **BL** Black **GR** Gray **WH** White	**PRU** Photocontrol receptacle 120-277V **SP** Surge protection

**Catalog Number**

MLED-80L-U-5K-N

PERFORMANCE INFORMATION

Series Number	Equivalency		Delivered Lumens	System Watts	Lumens Per Watt	Max Candle Power	Beam Pattern	CCT	Voltage	Drivers/Current
	MH	HPS								
58% SAVINGS! MLED-40LU-W	250w	250w	5,326	106	50	1,938	7 X 7	4800K	120-277V	1@625mA
48% SAVINGS! MLED-80LU-W	400w	400w	9,874	176	55	3,585	7 X 7	4800K	120-277V	2@525mA
58% SAVINGS! MLED-40LU-M	250w	250w	6,731	107	59	9,531	5 X 5	4800K	120-277V	1@625mA
48% SAVINGS! MLED-80LU-M	400w	400w	11,226	178	62	17,648	5 X 5	4800K	120-277V	2@525mA
58% SAVINGS! MLED-40LU-N	250w	250w	6,469	107	60	36,306	3 X 3	4800K	120-277V	1@625mA
48% SAVINGS! MLED-80LU-N	400w	400w	11,532	179	64	61,540	3 X 3	4800K	120-277V	2@525mA

ACCESSORIES - Order Separately

Catalog Number	Description
4024C	2 3/8" O.D. slipfitter for yoke units – Bronze
4090	Heavy-duty cast iron crossarm fitting for horizontal trunnion; Bronze Lektrocote®

DIMENSIONS
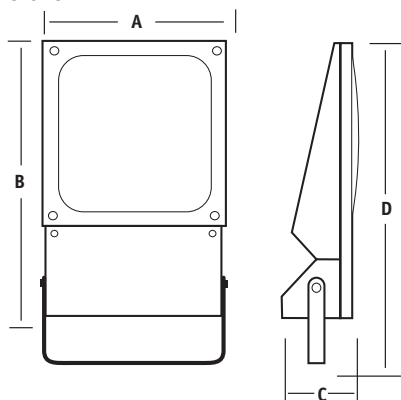
A	B	C	D	EPA	Weight
16"	18.8"	4.3"	21.0"	2.0 ft²	20 lbs.
406 mm	476 mm	108 mm	534 mm	0.06 m²	9.09 kg

HUBBELL Outdoor Lighting

ALF

Architectural LED Floodlight/Wall Mount

ALF-6LU

ALFW-6LU

ALF-12LU

- ALF is excellent for small floodlighting applications such as signs, façade, land scape accent or small area illumination
- The compact, low profile size allows the flood to be easily hidden or blend into the landscape environment
- Knuckle mount: Universal ½" swivel knuckle has serrated teeth for sure aiming
- Wall mount: Cast aluminum cover/quick mount plate and universal adapter allows easy installation to 3 1/2 or 4" standard junction boxes; Tilt for increased foward throw

- Universal voltage driver is 120-277V, 50/60Hz, with 11 or 22 input watts
- Impact resistant tempered glass lens s seals to housing with silicone gaskets
- Dark bronze durable powder paint finish
- Six or twelve 1.5w LEDs produce 510 or 1000 lumens at 5100K
- Wide 110 degree lateral spread covers three times the set back distance with uniform light
- Listed to UL 1598 for use in wet locations AFL-6: IP65, ALF12: IP64w

ORDERING INFORMATION

Catalog Number	Wattage	Number of LEDs	Voltage[1]	Lumens	TM-21-11 L70	Kelvin	Weight lbs. (kg)
1/2" Knuckle Mount							
ALF-6LU-5K-BZ	10.7w	6	120-277V	510	60,000hrs	5100K	4.0 (1.8)
ALF-12LU-5K-BZ	21.5w	12	120-277V	1000	60,000hrs	5100K	8.0 (3.6)
Wall Mount							
ALFW-6LU-5K-BZ	10.7w	6	120-277V	510	60,000hrs	5100K	4.5 (2.0)
ALFW-6LU-5K-BZ-PC	10.7w	6	120V	510	60,000hrs	5100K	4.5 (2.0)

1 Unit should not be used above 240V in Canada

PERFORMANCE INFORMATION – ALF 6 & 12 FLOODS

Series Number	Equivalency			Delivered Lumens	System Watts	Lumens Per Watt	Max Candle Power	Beam Pattern	CCT	Voltage	Drivers/ Current
	MH	HPS	CFL								
85% SAVINGS! ALF-6LU	70w	70w	26w	510	10.7	48	621	6 X 5	5100K	120-277V	1@470mA
80% SAVINGS! ALF-12LU	100w	100w	42w	1000	21.5	47	1208	6 X 5	5100K	120-277V	2@470mA

PERFORMANCE INFORMATION – ALF 6 WALLMOUNT

Series Number	Equivalency			Delivered Lumens	System Watts	Lumens Per Watt	Mounting Height	CCT	Voltage	Drivers/ Current
	MH	HPS	CFL							
58% SAVINGS! ALFW-6LU	70w	70w	26w	510	10.7	48	Up to 10 ft.	5100K	120-277V	1@470mA

DIMENSIONS
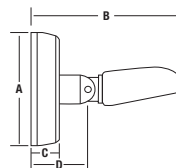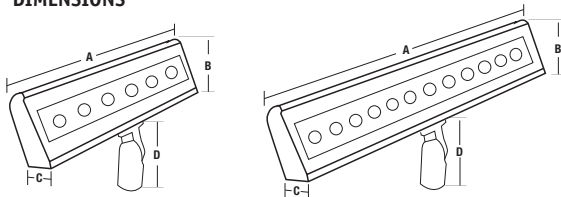
A	B	C	D
12/24"	3 1/2"	1 1/2"	3 1/2"
305/609.6 mm	89 mm	38 mm	89 mm

A	B	C	D
5 1/2"	6 1/2"	1 1/8"	2 1/8"
139 mm	165 mm	28 mm	54 mm

HUBBELL
Outdoor Lighting

BUL
LED Bullet

- Decorative dark bronze finish
- 15w - nominal 1000 lumens
- Die-cast aluminum housing
- Large 1/2" swivel knuckle, universal aim
- 120-277V operation
- 3 distribution options in one carton (narrow, medium, wide)

- IP65 certified to UL 1598, suitable for wet locations
- Rotatable hood for versatile glare control
- 4000K color temperature

NEW

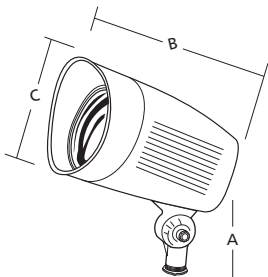## ORDERING INFORMATION

Catalog Number	Description	Finish	Weight lbs. (kg)
LED - Wet Location Listed - Universal Aiming			
BUL	LED bullet flood	Bronze	5 (2.2)

PERFORMANCE INFORMATION

Series Number	Equivalency			Delivered Lumens	System Watts	Lumens Per Watt	Beam Pattern	CCT	Voltage	Drivers/ Current
	MH	HPS	CFL							
BUL	70w	70w	52w	1000	15	67	3 x 3, 5 X 5, 7 X 7	3500K	120-277V	1@350mA

70% SAVINGS!

DIMENSIONS

A	B	C
3"	6"	5"
76 mm	152 mm	127 mm

HUBBELL ® **Outdoor Lighting**

Mounting Accessories

Accessories: Trunnion Mount Fittings

ORDERING INFORMATION

Catalog Number	Description	Weight lbs. (kg)
HID Floodlights		
4024C	Steel slipfitter for 2" pipe, 2 3/8" OD yoke mount, bronze finish; Also available in gray: **4024CM53** and galvanized: **4024CM38**	4 (1.8)
4090	Heavy-duty cast iron crossarm fitting for horizontal trunnion; Bronze Lektrocote®	3 (1.4)
LR-30[1]	Safety retainer complete with crimp clamp and 30" long 1/8" stranded metal cable	.3 (0.1)

1   For yoke (trunnion) mounted units only

4024C   4090   LR-30
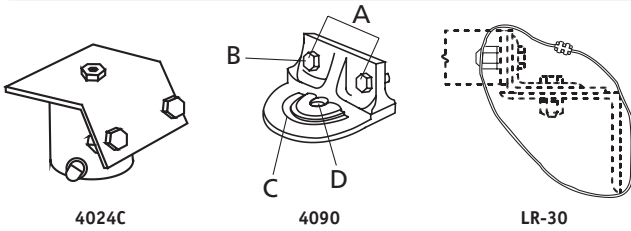
	A	B	C	D
4090	3 1/8"	9/16" dia.	5/16" slot	13/16" dia.
	79 mm	14 mm	8 mm	21 mm

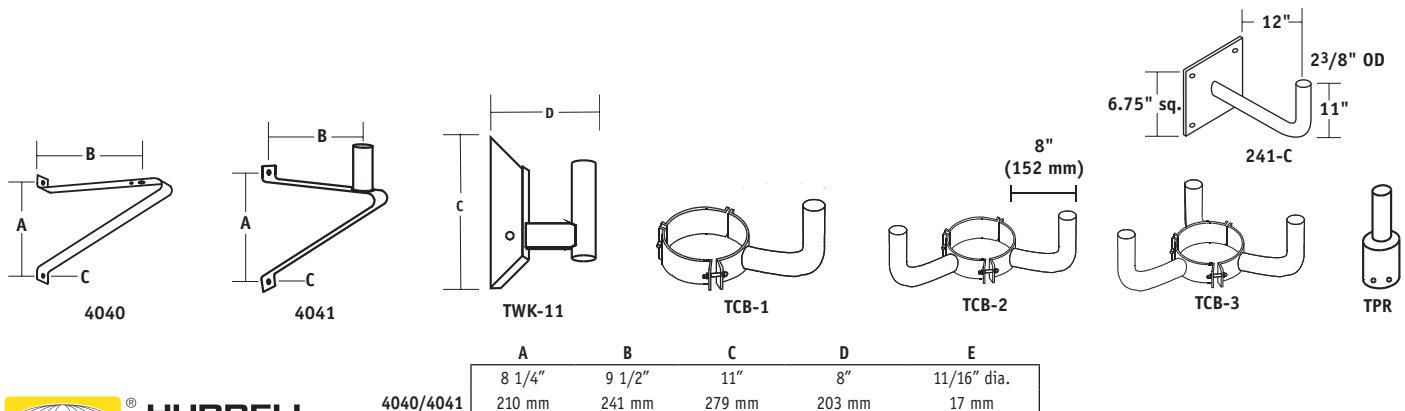## Accessories: Wall and Pole Mount Brackets

ORDERING INFORMATION

Catalog Number	Description	Weight lbs. (kg)	Maximum Loading Weight
For Use With Crossarm Fittings			
4040	Heavy-duty steel wall/pole bracket; bronze Lektrocote®	5.5 (2.5)	90 (40.8)
For Use With Slipfitter Fittings			
4041	Heavy-duty steel wall/pole bracket 2" pipe (2 3/8" OD) tenon fitting for use with slipfitter units or 4024C; bronze Lektrocote®	7 (3.2)	90 (40.8)
241-C-XX	Flat surface bracket - 90⁰ horn steel (2 3/8" OD)	16 (7.3)	70 (30.7)
TWK-11	Wall bracket with splice compartment for thru-wiring with 2" pipe (2 3/8" OD) tenon	15 (6.8)	90 (40.8)
TCB-1	Wood pole clamp on bracket with 2" pipe (2 3/8" OD) tenon; Clamps 6" to 12" diameter	16 (7.3)	70 (31.7)
TCB-2	Wood pole clamp on bracket with 2" pipe (2 3/8" OD) tenon; Two tenons at 120° (clamps 6" to 12" diameter)	20 (9.1)	140 (63.4)
TCB-3	Wood pole clamp on bracket with 2" pipe (2 3/8" OD) tenon; Three tenons at 120° (clamps 6" to 12" diameter)	28 (12.7)	210 (95.1)
Tenon Reducers			
TPR-2[1]	2 1/2" to 2" pipe size tenon reducer	6 (2.7)	105 (47.6)
TPR-3[2]	3" to 2" pipe size tenon reducer	8 (3.6)	105 (47.6)
TPR-4[3]	4" to 2" pipe size tenon reducer	9 (4.1)	105 (47.6)

Note: Bronze color standard, for other colors add suffix to catalog number: -M50 black finish, -M52 white finish, -M53 gray finish.
1   Bracket I.D., 3 1/16"
2   Bracket I.D., 3 1/2"
3   Bracket I.D., 4 5/8"

4040   4041   TWK-11   TCB-1   TCB-2   TCB-3   241-C   TPR

	A	B	C	D	E
4040/4041	8 1/4"	9 1/2"	11"	8"	11/16" dia.
	210 mm	241 mm	279 mm	203 mm	17 mm

**HUBBELL**® **HUBBELL Outdoor Lighting**

Mounting Accessories

## Accessories: Steel Bullhorns

Steel "bull horn" floodlight brackets. Fixture mounting pipe or tenons are 2³/₈" O.D. and brackets mount on 2³/₈" O.D. pole tenons. Stainless steel set screws and thru-bolts included. Finishes as shown below.

ORDERING INFORMATION

Catalog Number	Maximum Loading		Description	Finish	Weight	EPA
	Fixture Qty.	Weight lbs (kg)			lbs. (kg)	ft² (m²)
THB-21	2	210 (95.3)	Two tenons at 180°	Bronze	17 (7.7)	.9 (0.1)
THB-21-M53	2	210 (95.3)	Two tenons at 180°	Gray	17 (7.7)	.9 (0.1)
THB-31	3	315 (142.9)	Three tenons at 180°	Bronze	30 (13.6)	1.5 (0.1)
THB-32	3	315 (142.9)	Three tenons at 120°	Bronze	23 (10.4)	1.2 (0.1)
THB-41	4	420 (190.5)	Four tenons at 180°	Bronze	43 (19.5)	2.2 (0.2)
THB-43	4	420 (190.5)	Four tenons at 90°	Bronze	29 (13.1)	1.3 (0.1)
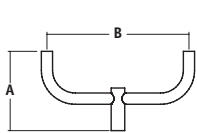
THB-21
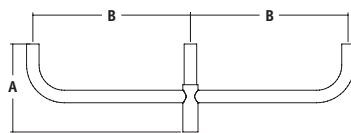
THB-31
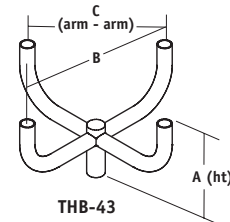
THB-43
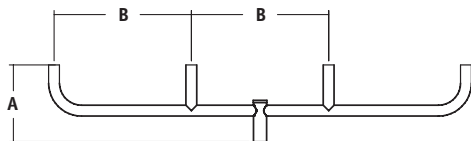
THB-41
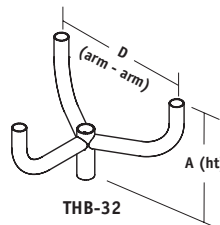
THB-32

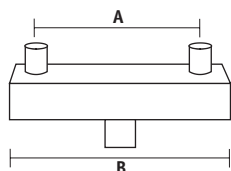| A	B	C	D
17"	30"	21.25"	26"
431 mm	762 mm	539 mm	660 mm

## Accessories: Square Steel Brackets (Project finishes available)

Decorative steel floodlight brackets. 4" square tubing with 2³/₈" O.D. fixture tenons. Square 4" bottom with 2¹/₂" I.D. internal adapter for standard round tenons. Available in multiple finishes as shown. Use with SSS series poles.

Catalog Number	Description	Maximum Weight Per Tenon		EPA		Weight	
		lbs.	(kg)	ft²	(m²)	lbs.	(kg)
SSB-21-M51	Twin 180°	60	(27.2)	1.2	(0.1)	24	(10.9)
SSB-31-M51	Triple 180°	60	(27.2)	2.3	(0.2)	44	(19.9)
SSB-41-M51	Quad 180°	60	(27.2)	3.4	(0.3)	64	(29)
SSB-43-M51	Quad 90°	60	(27.2)	2.8	(0.3)	46	(20.8)

Note: Bronze color standard, for others, add suffix to catalog number: -M50 - Black finish; -M52 - White finish; -M53 - Gray finish.
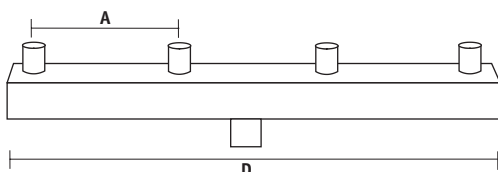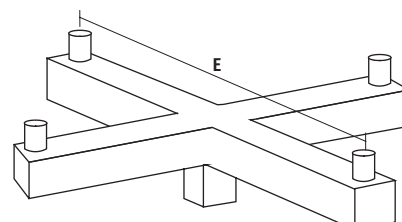
SSB-21
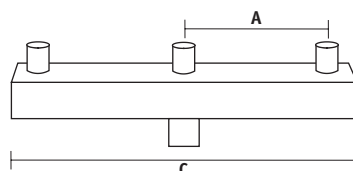
SSB-31

A	B	C	D	E
24"	30"	54"	78"	30"
610 mm	762 mm	1372 mm	1981 mm	762 mm

SSB-41

SSB-43

HUBBELL Outdoor Lighting

151

Photocontrols

ORDERING INFORMATION

	Catalog Number	Voltage	Max. Watts Incand.	Max. Watts HID		Weight lbs. (kg)
				HPF	NPF	
Photocontrol - Button Type[1]						
	PBT-1[6]	120	1200	400	250	.125 (0.1)
	PBT-234[6]	208/240/277	1200	400	250	.125 (0.1)
Photocontrol - 1/2" Thread Mount[2]						
	PTA-1[6]	120	2000	1000	400	.25 (0.1)
	PTA-8[6]	120-277	2000	1000	400	.25 (0.1)
	PTA-5[6]	480	2000	1000	400	.25 (0.1)
Photocontrol - Twist-Lock® Cell[3]						
	PTL-1[6]	120	1800	1000	400	.25 (0.1)
	PTL-8[6]	120-277	1800	1000	400	.25 (0.1)
	PTL-5	480	1800	1000	400	.25 (0.1)
	PTL-6[6]	347	1800	1000	400	.25 (0.1)
Receptacle - Remote Twist-Lock® Cell with Bracket[4]						
	PRR	120-480	1800	1000	400	.5 (0.2)
Shorting Cap - Twist-Lock® Mount[5]						
	PSC	Completes circuit - Eliminates PCR				.25 (0.1)

1 Miniature photocontrol sealed in a sturdy plastic housing 2 1/16" x 1 1/8" x 7/8" with 3/4" nipple length, nipple dia. is 3/8" pipe thread – 5/8" outside diameter fits 1/2" tapped hubs; Use in any suitable enclosed box or luminaire; A gasket and lock nut provide weather tight seal at exit point

2 Weatherproof photocontrol in a polycarbonate housing with field adjustable light sensitivity level feature; 3 5/8" x 2" x 1 1/2" housing with 5/8" nipple length

3 Weatherproof Twist-Lock® photocell enclosed in a high butyrate protective housing; Meets EEI-NEMA standards; For use with Twist-Lock® receptacles (PCR)

4 Remote receptacle for PTL Twist-Lock® cell; Includes aluminum angle bracket and color coded leads; Bolts to wood poles, crossarms, walls or any flat surface

5 Weatherproof shorting cap to complete circuit and allow fixture to operate when Twist-Lock® photocontrol (PTL) is not used; For use with Twist-Lock® receptacles (PCR)

6 CSA certified

HUBBELL
Outdoor Lighting

LNC
Compact LED Wallpack

The compact LED LNC is designed for perimeter illumination, available in 3 lumen packages for safety, security and general illumination applications. This compact fixture is neighbor friendly with zero uplight. Typical mounting height up to 12 feet with 40ft fixture spacing (without acrylic diffuser) and 30ft spacing with acrylic diffuser installed. Photocontrol option is available.

• IES Progress Award Winner - 2012
• Some models meet DesignLights Consortium

(DLC) qualifications, consult DLC website for more details:
http://www.designlights.org/QPL

APPLICATIONS
Zero uplight, IDA compliant entry/perimeter lighting. Listed to UL1598 for use in wet locations. Features long-life (60,000hr L96 rated) high CRI 5000K LEDs, quick mount adapter and designed for both recessed box or surface conduit wiring. Additional CCT/CRI options available in the larger 7L and 9L lumen packages.
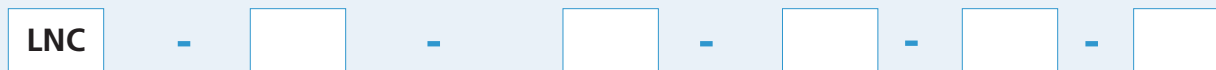
LNC-5LU   **LNC-7LU**

LNC-9LU
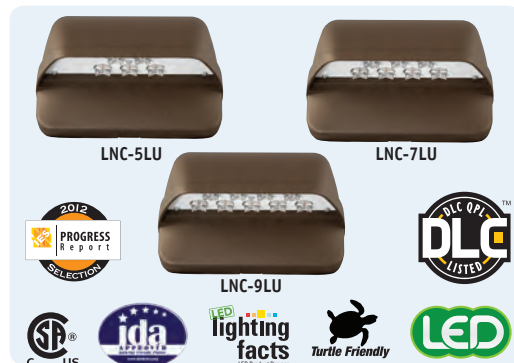
ORDERING INFORMATION - LNC 5L

CATALOG NUMBER	WATTAGE	NUMBER OF LEDS	VOLTAGE	LUMENS[1]	TM-21-11 L96[2]	CCT	WEIGHT LBS. (KG)
LNC-5LU-5K	12.6w	5	120-277V	967	60,000hrs	5000K	4.0 (1.8)
LNC-5LU-5K-PC	12.6w	5	120V	967	60,000hrs	5000K	4.0 (1.8)

1   Type III distribution. When using acrylic diffuser accessory lumen output is 650 with increased uniformity
2   Projected per IESNA TM-21-11

ORDERING INFORMATION - LNC 7L/9L

LNC	-		-		-		-		-	

SERIES	NUMBER OF LEDS/SOURCE/VOLTAGE	CCT	IES DISTRIBUTION	FINISH	OPTIONS
LNC Laredo Cut-off	**7LU** 7 LEDs, Universal voltage 120-277V **9LU[3]** 9 LEDs, Universal voltage 120-277V	**3K** 3000K nominal, 80 CRI **4K** 4200K nominal, 70 CRI **5K[3]** 5000K nominal, 67 CRI **AM[2]** Amber (590 µm available for "Turtle Friendly"/observatory applications; consult factory	**3** Type III **4** Type IV	**1** Bronze **2** Black **3** Gray **4** White **5** Platinum	**PC(X)[1]** Button photo-control, replace X with voltage, specify 1-120V, 2-208V, 3-240V, 4-277V

1   When PC is ordered, input must match PC voltage
2   Amber LEDs are 035mA drive current

PERFORMANCE INFORMATION

Series Number	Equivalency			Delivered Lumens	System Watts	Lumens Per Watt	Mounting Height	CCT	Voltage	Drivers/ Current
	MH	HPS	CFL							
85% SAVINGS! LNC-5L	50w	50w	42w	967	12.8	75.5	up to 10 ft.	5000K	120-277V	1@700mA
85% SAVINGS! LNC-7L	70w	70w	42w	1,389	16.4	80	up to 11 ft.	5000K	120-277V	1@700mA
85% SAVINGS! LNC-9L	100w	100w	42w	1,745	21.9	85	10-12 ft.	5000K	120-277V	1@700mA

DIMENSIONS
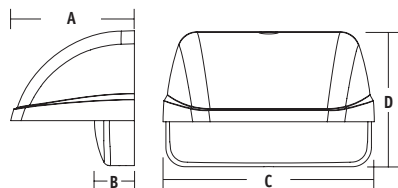
A	B	C	D
4.8"	1.6"	8.2"	5.3"
122 mm	39 mm	209 mm	133 mm

HUBBELL ® **HUBBELL** Outdoor Lighting

LNC2

Compact LED Wallpack

- IES Progress Award Winner - 2013
- Building Operting Management 2014 Top Products Award - LNC2-18LU
- DesignLights Consortium (DLC) qualified, Consult DLC website for more details: http://www.designlights.org/QPL

The compact LED LNC2 is designed for perimeter illumination for safety, security and general lighting application. Slightly larger than the LNC, the LNC2 has greater lumens and increased performance. The LNC2 achieves up to 85% energy savings over traditional metal halide. Luminaires have no uplight and are neighbor friendly with typical mounting height up to 15 feet and 60ft fixture spacing (without acrylic diffuser) and 40ft spacing with acrylic diffuser installed. Fixtures have protective polyester finish in five color choices.

APPLICATIONS

Zero uplight, IDA compliant entry/perimeter lighting. Listed to UL1598 for use in wet locations. Features long-life (60,000hr L96 rated), high CRI, 3000K, 4200K, and 5100K LEDs. Single SKU designed for both recessed box or surface conduit wiring, includes quick-mount adapter for ease of installation. Acrylic diffuser softens high angle output for use at entrances or pedestrian pathways.

LNC2-12LU

LNC2-18LU

ORDERING INFORMATION

| LNC2 | - | | - | | - | | - | | - | |

| SERIES	NUMBER OF LEDS/SOURCE/VOLTAGE	CCT	IES DISTRIBUTION	FINISH	OPTIONS
LNC2 Laredo LNC2	12LU 12 LEDs, Universal voltage 120-277V 18LU[2] 18 LEDs, Universal voltage 120-277V	3K 3000K nominal 80 CRI 4K 4200K nominal 70 CRI 5K 5100K nominal 67 CRI AM[2] Amber (590 μm available for "Turtle Friendly"/observatory applications, 350mA; consult factory	3 Type III 4 Type IV	1 Bronze 2 Black 3 Gray 4 White 5 Platinum	PC(X)[1] Button photocontrol, replace X with voltage, specify 1-120V, 2-208V, 3-240V, 4-277V

1 When PC is ordered, input must match PC voltage

2 Amber LEDs only available on 18LU configurations, 350 mA only. Universal Voltage 120V-277V

PERFORMANCE INFORMATION

Series Number	Equivalency			Delivered Lumens	System Watts	Lumens Per Watt	Mounting Height	CCT	Voltage	Drivers/ Current
	MH	HPS	CFL							
80% SAVINGS! LNC2-12LU-5K-3-1	150w	150w	2x42w	2,420	28.6	85	Up to 15 ft.	5100K	120-277V	1@700mA
85% SAVINGS! LNC2-18LU-5K-3-1	150w+	150w+	2x42w+	3,311	42.3	78	Up to 15 ft.	5100K	120-277V	2@700mA

DIMENSIONS
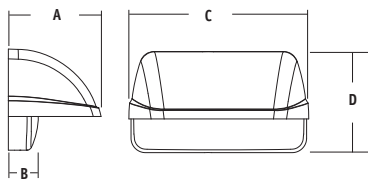
A	B	C	D	Weight
6.3"	1.6"	10.3"	5.6"	7.0 lbs.
158.7 mm	40.2 mm	260.4 mm	142.2 mm	3.2 kg

HUBBELL
Outdoor Lighting

LNC2-BB

Compact LED Wallpack Battery Back up & Motion Sensors

NEW

- BBU integral battery for 120-277V, rated for -20°C – 40°C; designed to provide minimum of 1fc in a 10' square at 10-12' mounting height

- SCO/SCP - motion sensor on/off or user programmable

The compact LED LNC2 with integral battery is designed for path of egress lighting. Luminaires have no uplight and are neighbor friendly with typical mounting height up to 12 feet and 48ft fixture spacing (without acrylic diffuser) and 32ft spacing with acrylic diffuser installed. Fixtures have protective polyester finish in five color choices.

APPLICATIONS

Zero uplight, IDA compliant entry/perimeter lighting. Listed to UL1598 for use in wet locations. Features long-life (60,000hr L96 rated), high CRI, 3000K, 4200K, and 5100K LEDs. Single SKU designed for both recessed box or surface conduit wiring, includes quick-mount adapter for ease of installation. Acrylic diffuser softens high angle output for use at entrances or pedestrian pathways.

LED

ORDERING INFORMATION

| LNC2 | - | ☐ | - | ☐ | - | ☐ | - | ☐ | - | ☐ |

SERIES	NUMBER OF LEDS/SOURCE/VOLTAGE	CCT	IES DISTRIBUTION	FINISH	OPTIONS
LNC2 Laredo LNC2	**5L(X)** 5 LEDs, Universal voltage 120-277V **7L(X)** 7 LEDs, Universal voltage 120-277V **9L(X)** 9 LEDs, Universal voltage 120-277V **12L(X)** 12 LEDs, Universal voltage 120-277V **18L(X)** 18 LEDs, Universal voltage 120-277V	**3K** 3000K nominal 80 CRI **4K** 4200K nominal 70 CRI **5K** 5100K nominal 67 CRI	**3** Type III **4** Type IV	**1** Bronze **2** Black **3** Gray **4** White **5** Platinum	**PC**[1] Button photocontrol, (Must specify individual voltage) **BBU**[1] Integral battery for 120-277V rated for -20°C – 40°C **SCO** Motion sensor On/Off control, No light output when no motion detected **SCP** Programmable motion control, factory default is 50%

1 Only available 9L or 12L

PERFORMANCE INFORMATION

Series Number	Equivalency			Delivered Lumens	System Watts	Lumens Per Watt	Mounting Height	CCT	Voltage	Drivers/ Current
	MH	HPS	CFL							
80% SAVINGS! LNC2-9LU-5K	100w	100w	42w	1,745	21.9	85	10-12 ft.	5000K	120-277V	1@700mA
85% SAVINGS! LNC2-12LU-5K	150w	150w	2x42w	2,420	28.6	85	Up to 15 ft.	5100K	120-277V	1@700mA

DIMENSIONS
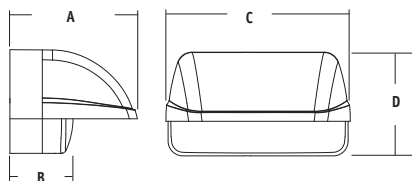
A	B	C	D	Weight
9.8"	1.6"	10.3"	5.6"	7.0 lbs.
247.7 mm	40.2 mm	260.4 mm	142.2 mm	3.2 kg

HUBBELL ® **HUBBELL** Outdoor Lighting

NRG® 312

Perimeter Wallpack

- Full polycarbonate front provides vandal resistance and uniform light distribution; Internally painted bronze finish for lasting appearance
- 12LED unit provides long-life with low energy consumption, a perfect upgrade for older units
- Rugged cast aluminum back housing for rigid mounting; Bottom 1/2" conduit knockout for surface conduit wiring
- Units available with or without 120V button photocontrol, see ordering information
- Listed to UL 1598 for use in wet locations
- Tamper resistant center pin Torx hardware included

ORDERING INFORMATION

Catalog Number[1]		Wattage	Voltage	Color	Weight lbs. (kg)
Without Photocontrol	With Photocontrol				
12 LED – 1120 Lumens – 5000K – 73 CRI					
NRG-312LU-5K-BZ	NRG-312LU-5K-BZ-PC[1]	18w	120-277V (-PC120)	Bronze	6 (2.7)

1 120V only when ordered with photocontrol

PERFORMANCE INFORMATION

Series Number	Equivalency			Delivered Lumens	System Watts	Lumens Per Watt	Mounting Height	CCT	Voltage	Drivers/ Current
	MH	HPS	CFL							
73% SAVINGS NRG-312LU	50w	50w	42w	1120	18	63	Up to 10 ft.	5000K	120-277V	1@350mA

ACCESSORIES - Order Separately

Catalog Number	Description
PBT-1	Button photocontrol, 120V
PBT-234	Button photocontrol, 208, 240, 277V

REPLACEMENT PART

Catalog Number	Description
SM352-COVER	Polycarbonate front cover, Bronze

DIMENSIONS
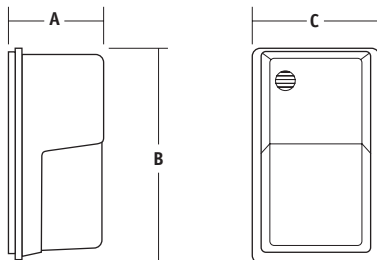
A	B	C
5.4"	11.0"	6.9"
137 mm	280 mm	175 mm

HUBBELL Outdoor Lighting

WGH

Perimeter Glass Wallpack

NEW

- COB chip-on-board LED technology
- Energy-efficient luminaire provides one-for-one replacement of existing legacy technology
- Borosilicate glass refractor softens LED and provides uniform distribution
- Cast aluminum frame holds lens, hinges to side of housing and seals with two stainless steel screws

- Cast aluminum housing with 1/2" conduit entries, button photocontrol can be field installed
- Listed to UL1598 for use in wet locations
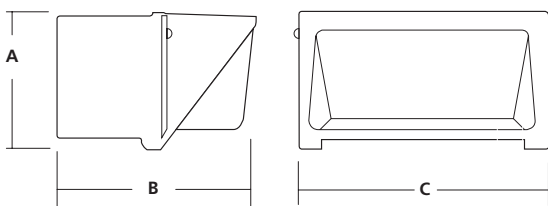- All units have dark bronze powder paint finish

LED

ORDERING INFORMATION

Catalog Number	Wattage	Number of LEDs	Voltage	Lumens	CCT	Weight lbs. (kg)
WGH1LUM	41w	1 X COB	120-277V	3547	5100K	12.0 (5.4)

PERFORMANCE INFORMATION

Series Number	Equivalency			Delivered Lumens	System Watts	Lumens Per Watt	Mounting Height	CCT	Voltage	Drivers/Current
	MH	HPS	CFL							
73% SAVINGS! WGH-LUM	150w	150w	2x42w	3547	41	86.5	Up to 12 ft.	5000K	120-277V	1@830mA

DIMENSIONS

	A	B	C
Mid-Size	9.0"	7.3"	13"
	229 mm	184 mm	330 mm
Large	9.0"	13.0"	17.0"
	229 mm	330 mm	432 mm

HUBBELL
HUBBELL ®
Outdoor Lighting

157

Perimaliter® PGM3 PVL3
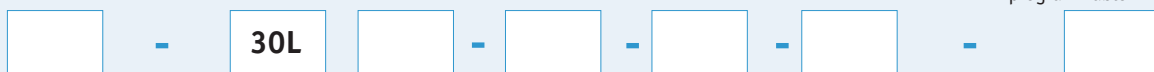
Glass and Polycarbonate LED Wallpacks

PGM3

PVL3

- Perimeter lighting for safety, security and general illumination - LED units provide 60-70% energy savings over typical pulse start wallpacks. Uses include office buildings, shopping centers, restaurants, schools, warehouses, parking garages and other commercial applications
- The die-cast aluminum housing provides firm mounting over recessed junction boxes; ½" side hubs for surface conduit wiring; Housing includes a top hub for use with button photo controls for dusk-to-dawn control; The construction not only provides a rigid mount but an excellent heat sink for the LED system, allowing proper operating temperature for optimum performance and long life (50,000hr)

- LEDs with CCT of 5100K, 4200K and 3000K
- Two cover options are available: A cast aluminum with prismatic borosilicate glass assembly and an all polycarbonate, one-piece, vandal resistant door
- Typical mounting heights of 12-15 feet; The lateral spread allows typical spacing of three to four times the mounting height with excellent uniformity
- Available in two lumen outputs
- Listed to UL1598 for use in wet locations
- BBU integral battery option for 120-277V, rated for -20°C – 25°C; designed to provide minimum of 1fc in a 10' square at 10-12' mounting height
- SCO/SCP - motion sensor on/off or user programmable

ORDERING INFORMATION

☐ - **30L** - ☐ - ☐ - ☐ - ☐ - ☐

FAMILY	# LEDS	VOLTAGE	CCT	DRIVE CURRENT	FIXTURE COLOR	OPTIONS
PGM3 Glass Refractor **PVL3** Polycarbonate Refractor	**30L**	**U** 120V-277V **1** 120V **2** 208V **3** 240V **4** 277V **5** 480V **F** 347V	**3K** 3000K, 80 CRI **4K** 4200K, 70 CRI **5K** 5100K, 67 CRI	**BLANK** 700mA **035** 350mA	**BZ** Bronze **BL** Black **WH** White **GR** Gray **PL** Platinum **CC** Custom Color	**F** Fusing (voltage determined by voltage field) Single fusing only 120V, 277V or 347V **PC**[1] Button photocontrol, (Must specify individual voltage) **BBU**[1] Integral battery for 120-277V rated for -20°C (Must specify individual voltage) **SCO**[2] Motion sensor On/Off control, No light output when no motion detected **SCP**[2] Programmable motion control, factory default is 50%

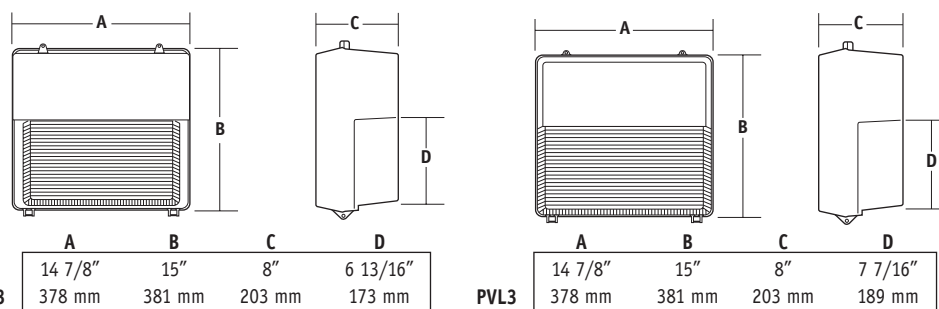1 Voltage specific option, designate in voltage field
2 N/A in 347V/480V

PERFORMANCE INFORMATION

Series Number	Equivalency			Delivered Lumens	System Watts	Lumens Per Watt	Mounting Height	CCT	Voltage	Drivers/ Current
	MH	HPS	CFL							
72% SAVINGS! PGM3-30LU	250w	250w	–	up to 5,678	69	82	15-18 ft.	5100K	120-277V	1@700mA
54% SAVINGS! PVL3-30LU	250w	250w	–	up to 5,337	72.7	73	15-18 ft.	5100K	120-277V	1@700mA

REPLACEMENT PARTS - Order Separately

Catalog Number	Description
200-0180-9904	Replacement lens/door PVL3
80033990104	Replacement lens/door PGM3

DIMENSIONS

	A	B	C	D
PGM3	14 7/8" 378 mm	15" 381 mm	8" 203 mm	6 13/16" 173 mm

	A	B	C	D
PVL3	14 7/8" 378 mm	15" 381 mm	8" 203 mm	7 7/16" 189 mm

HUBBELL Outdoor Lighting

Euroluxe® BRLU

Decorative Wall/Ceiling Series

- Use for wall or ceiling applications at entrances, stairs, corridors or single story building accent
- Borosilicate glass lens with silicone gasket; Shields the lamp and softly spreads the light in a symmetrical distribution
- Die-cast aluminum housing and face trims; Two point mount to recessed wiring boxes; (no side conduit feeds); Twin stainless steel screws secure the trims and lens to the housing

- BRLU LED unit available in 15w, 120-277V, 830 lumens, 5000K, 50/60Hz
- Finishes in dark bronze, white and black
- Listed to UL1598 for use in wet locations

ORDERING INFORMATION

Catalog Number	Shape	Finish	Wattage	Volts	Weight lbs.	(kg)
BRLU-01	Round	Bronze	15w	120-277V	6.0	(2.7)
BRLU-04	Round	White	15w	120-277V	6.0	(2.7)

ACCESSORIES - Order Separately

Catalog Number	Description
BR-GX[1]	Cast aluminum guard for round fixture
BR-SX[1]	Cast aluminum shield for round fixture

1   Finish must be specified, substitute X for: 1-bronze, 2-black, 4-white.

REPLACEMENT PARTS

Catalog Number	Description
266-0067-9904	BR replacement lens

DIMENSIONS

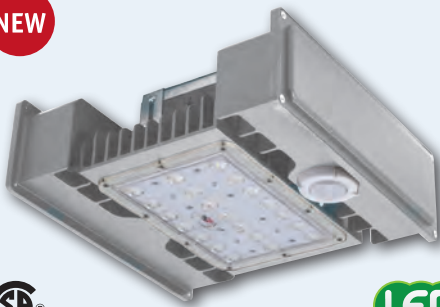|	A	B	C
BRLU	5 1/2" 140 mm	9 1/2" 241 mm	10 1/8" 257 mm
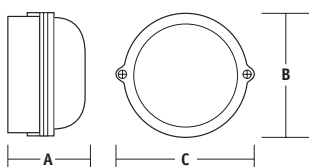
HUBBELL Outdoor Lighting

GSL

Ceiling/Canopy/Garage LED Luminaire

NEW

- Designed for a range of applications from eight to eighteen feet for surface, box or pendant mount; Parking garage, walkway or building canopies, corridors, tunnels, large stairwells and other cover applications; Two lumen packages and optical distributions make the the GSL Series luminaire both versatile and functional
- Vertically finned cast aluminum housing for maximum heat dissipation ensuring long component life and performance
- IP65 luminaire rating

- Field configurable symmetric and asymmetric optic in a single SKU
- Gray powder coat paint finish
- CCT: 4200K (70 CRI)
- Lumens packages ranging from 4,300 – 5,500 with 15 or 21 LEDs
- Wattage: 55w or 80w
- Lumens per watt: >75
- Designed for 40° C ambient temperatures
- Listed to UL1598 for use in wet locations

ORDERING INFORMATION

GSL - [ ]

SERIES	NUMBER OF LEDS
GSL GSL ceiling/canopy/garage LED	**15L** 15 LEDs
	21L 21 LEDs

PERFORMANCE INFORMATION

Series Number	Equivalency			Delivered Lumens	System Watts	Lumens Per Watt	Mounting Height	CCT	Voltage	Drivers/Current
	MH	HPS	CFL							
72% SAVINGS! GSL-15L	100w	100w	42w	4300	55	78	8-18 ft.	4200K	120-277V	1@700mA
54% SAVINGS! GSL-21L	150w	150w	2x42w	5,625	75	75	8-18 ft.	4200K	120-277V	1@700mA

ACCESSORIES

Catalog Number	Description
GSL-SPC	Vandal shield
GSL-CS	Comfort shield, 10% reduction in output

DIMENSIONS
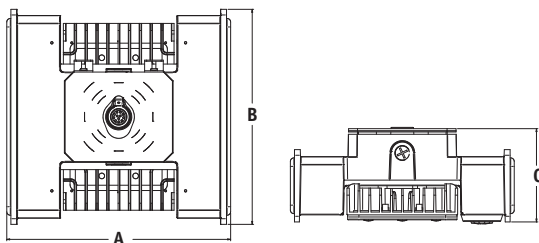
A	B	C	Weight
12.5" sq.	12.0"	5.2"	13.8 lbs.
317.5 mm	304 mm	132 mm	6.25 kg

HUBBELL Outdoor Lighting

Lumasquare® NRG® 4000

High Performance LED Indoor/Outdoor Lowbay Series

- Designed for illumination of commercial indoor/outdoor lowbay applications including: mechanical rooms, retail, covered loading docks and utility areas
- Rugged, die-cast housing has a durable Powder coat paint finish available in bronze, white, black and gray. Mounts over recessed J-box and features two convenient 1/2" side hubs for surface conduit mounting
- Stainless steel vandal-resistant screws standard
- Fully gasketed for weatherproof/bug-proof integrity

- 4200K CCT (70 CRI) nominal and 5100K CCT (67 CRI) nominal
- One-piece, injection-molded, clear prismatic acrylic refractor enhances space with 10% uplight; High temperature acrylic for reduced yellowing, uniform light distribution and low glare
- Listed to UL1598 for use in wet locations
- Five year limited warranty
- 10KA, 10KV surge protector standard

ORDERING INFORMATION

Catalog Number	Mounting	Wattage	Voltage	Lumens	Drive Current	DesignLights Consortium
NRG4-30LU-4K-BZ	Ceiling/conduit	70	120-277V	5872	700mA	DLC QPL LISTED

Catalog Number	Mounting	Wattage	Voltage	Lumens	Drive Current
NRG4-30LU-4K-035-BZ	Ceiling/conduit	35	120-277V	3355	350mA
NRG4-30LU-5K-035-BZ	Ceiling/conduit	35	120-277V	3543	350mA
NRG4-30LU-5K-BZ	Ceiling/conduit	70	120-277V	6122	700mA

1 For alternate housing finish change BZ to WH-White, BL-Black, GR-Gray

PERFORMANCE INFORMATION

Series Number	Equivalency			Number of LEDs	Delivered Lumens	System Watts	Lumens Per Watt	Mounting Height	Voltage	Drivers/ Current
	MH	HPS	IND							
65% SAVINGS! NRG4-30LU-4K-035-BZ	70w	70w	70w	30	3355	35	96	up to 16 ft.	120-277V	1@350mA
53% SAVINGS! NRG4-30LU-4K-BZ	100w	100w	85w	30	5872	70	84	up to 16 ft.	120-277V	1@700mA
65% SAVINGS! NRG4-30LU-5K-035-BZ	70w	70w	70w	30	3543	35	101	up to 16 ft.	120-277V	1@350mA
53% SAVINGS! NRG4-30LU-5K-BZ	100w	100w	85w	30	6122	70	87	up to 16 ft.	120-277V	1@700mA

REPLACEMENT PART

Catalog Number	Description
800-3289-0100	Replacement refractor kit

DIMENSIONS
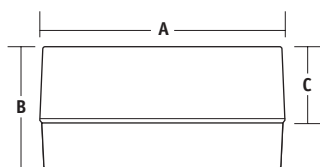
	A	B	C	Weight
	14" sq.	8 1/8"	4 3/4"	13.9 lbs.
	356 mm	206 mm	121 mm	6.3 kg

HUBBELL Outdoor Lighting

RM LED
Roadway

- Designed for roadway, parking, area and perimeter lighting; These versatile Roadway luminaires are designed to replace existing cobra-head style fixtures from 70-150w while saving up to 50% in energy; LED luminaires feature optimum uniformity, elimination of 'hot spots' and zero uplight
- 3800 lumens at 350 mA or 6700 lumens at 700 mA
- 30 LED light engine
- Standard IES distributions of Type II, III, IV, V with up to 111 LPW efficacy

- 120-277V, 347/480V electronic dimming drivers, 2 at 700 mA, 1 at 350 mA
- Die-cast aluminum housing
- Lektrocote® finish in 2 standard and custom colors
- IP65 LED light engine assembly and drivers
- 10KA surge protector standard
- Patent pending EXO optic technology filters short wavelengths (blue light)

ORDERING INFORMATION

RM – 30L ☐ – ☐ – ☐ – ☐ – ☐ – ☐ – ☐

SERIES	NUMBER OF LEDS	VOLTAGE	CCT	IES DISTRIBUTION	DRIVE CURRENT	PHOTOCONTROL RECEPTACLE	OPTIONS	FINISH
RM Zero uplight medium Roadway	30L 30 LEDs	U 120-277V 5 480V F 347V	3K 3000K nominal, 80 CRI 4K 4200K nominal, 70 CRI 5K 5100K nominal, 67 CRI	2 Type II 3 Type III 4 Type IV 5M Type V	BLANK 700 mA 035 350 mA	2 None 3 Yes	F(X) Fusing, replace X with voltage, specify: 1-120V 2-208V 3-240V 4-277V 5-480V 6-347V BC² Back-light Control	BK Black DB Dark Bronze CC¹ Custom Color (Reference RAL#) GR Gray PS Platinum Silver WH White

EXO OPTIC

E3 Static EXO Adaptive optic Technology

1 Contact factory for minimum order quantities
2 Recommended for Type III and IV distributions only

PERFORMANCE INFORMATION

Series Number	Equivalency		Delivered Lumens		Number of LEDs	System Watts		Lumens Per Watt	CCT	Drivers/ Current
	MH	HPS	Type 2	Type 3		120V-277V	347V-480V			
65% SAVINGS! RM-30LU-3K	100w	100w	4612	4632	30	70	70	65	3000K	2@700mA
53% SAVINGS! RM-30LU-4K	150w	100w	5844	5840	30	70	70	83	4200K	2@700mA
60% SAVINGS! RM-30LU-5K	175w	150w	6712	6718	30	70	70	95	5100K	2@700mA

DIMENSIONS

A	B	C	EPA	Weight
6.75"	13"	29.75"	0.6 ft.²	14.20 lbs.
171 mm	330 mm	756 mm	.05 m²	6.44 kg.

HUBBELL Outdoor Lighting

RL LED
Roadway

- Designed for roadway, parking, area and perimeter lighting; These versatile Roadway luminaires replace existing cobra-head style fixtures from 200-400w while saving up to 65% in energy; LED luminaires feature optimum uniformity, elimination of 'hot spots' and zero uplight
- 12000 lumens at 700 mA
- Standard IES distributions of Type II, III, IV, V with up to 85 LPW efficiency
- Two 30 LED light engines
- 120-277V, 347/480V electronic dimming drivers (4) standard

- Die-cast aluminum housing
- Lektrocote® finish in 2 standard and custom colors
- IP65 LED light engine assembly and drivers
- 10KA surge protector standard
- Patent pending EXO optic technology filters short wavelengths (blue light)

ORDERING INFORMATION

RL − 60L □ − □ − □ − □ − □ − □ − □

SERIES	NUMBER OF LEDS	VOLTAGE	CCT	IES DISTRIBUTION	DRIVE CURRENT	PHOTOCONTROL RECEPTACLE	OPTIONS	FINISH

SERIES
RL Zero uplight large Roadway

NUMBER OF LEDS
60L 60 LEDs

VOLTAGE
U 120-277V
5 480V
F 347V

CCT
3K 3000K nominal, 80 CRI
4K 4200K nominal, 70 CRI
5K 5100K nominal, 67 CRI

EXO OPTIC
E3 Static EXO Adaptive optic Technology

IES DISTRIBUTION
2 Type II
3 Type III
4 Type IV
5M Type V

DRIVE CURRENT
BLANK 700 mA (141w)

PHOTOCONTROL RECEPTACLE
2 None
3 Yes

OPTIONS
F(X) Fusing, replace X with voltage, specify:
1-120V
2-208V
3-240V
4-277V
5-480V
6-347V
BC[2] Back-light Control

FINISH
BK Black
DB Dark Bronze
CC[1] Custom Color (Reference RAL#)
GR Gray
PS Platinum Silver
WH White

1 Contact factory for minimum order quantities
2 Recommended for Type III and IV distributions only

PERFORMANCE INFORMATION

Series Number	Equivalency		Delivered Lumens		Number of LEDs	System Watts		Lumens Per Watt	CCT	Drivers/ Current
	MH	HPS	Type 2	Type 3		120V-277V	347V-480V			
31% SAVINGS! RL-60LU-3K	250w	200w	8833	8694	60	141	141	63	3000K	4@700mA
56% SAVINGS! RL-60LU-4K	320w	250w	11044	11062	60	141	141	79	4200K	4@700mA
56% SAVINGS! RL-60LU-5K	320w	250w	11759	12058	60	141	141	85	5100K	4@700mA

DIMENSIONS

A	B	C	EPA	Weight
8.25"	15.75"	36.75"	1.0 ft.²	28 lbs.
210 mm	400 mm	933 mm	0.1 m²	12.7 kg.

HUBBELL ® **HUBBELL Outdoor Lighting**

VBGL/VWGL

Wet Location LED Vaportites

- Compact size measuring only 5.2" x 10.4" (wall mount version slightly larger)
- 757 lumens, 11w system, 70 LPW
- Frosted glass lens distributes light evenly without any LED brightness or glare
- Pendant mount version accommodates traditional ½" x 14 NPS threaded conduit
- 120-277V operation, 50/60Hz

- Rugged die-cast aluminum housing with removable cast aluminum guard with vandal resistant set screws included, gray finish
- IP66, listed to UL1598 for use in wet locations (unit is not rated for use in hazardous locations)
- Four color multi-language merchandising carton with application details

ORDERING INFORMATION

Catalog Number	Construction	Mount	Wattage	Drive Current	Voltage	Color Temperature	Lumens	LPW	Weight lbs. (kg)
VBGL-1	Globe refractor	Ceiling/Pendant	11	250mA	120-277V	4000K	757	70	3.4 (1.54)
VWGL-1	Globe refractor	Wall	11	250mA	120-277V	4000K	757	70	3.6 (1.63)

PERFORMANCE INFORMATION

Series Number		Equivalency		Delivered Lumens	System Watts	Lumens Per Watt	Beam Pattern	CCT	Voltage	Drivers
		INC	CFL							
88% SAVINGS!	VBGL-1	150w	32w	757	11	70	Symmetric	4000K	120-277V	1
88% SAVINGS!	VWGL-1	150w	32w	757	11	70	Symmetric	4000K	120-277V	1

REPLACEMENT GLOBES

Catalog Number	Description
VGL-FG	Frosted globe
VGL-GUARD	Guard with set screws
Colored Globes[1]	
VGL-GN	Green globe
VGL-YW	Yellow globe
VGL-BU	Blue globe
VGL-RD	Red globe

1 Available Winter 2014

DIMENSIONS
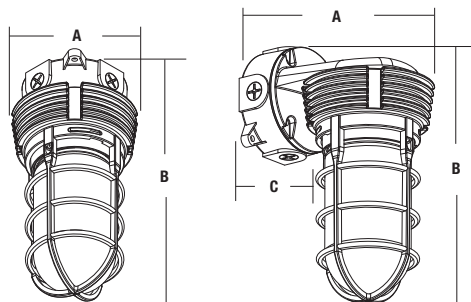
	A	B	C
VBGL-1	5.2" / 132 mm	10.4" / 263 mm	– / –
VWGL-1	7.3" / 186 mm	11.0" / 280 mm	5.2" / 132 mm

VBGL-1

VWGL-1

DDL Dusk-to-Dawn
Multi-purpose LED Luminaire

- Zero uplight design for environmentally friendly installations
- Refractor included provides enhanced security lighting and LED brightness control when installed
- 40w system with up to 3437 lumens and 86 LPW
- Symmetric lens installed standard
- Field rotatable asymmetric lens included
- 120V operation
- DesignLights Consortium qualified

- 120V twist-lock style photocontrol included
- Rugged die-cast aluminum housing with both 2-3/8" & 1-5/8" OD mast arm mount capability as well as direct wall/surface mounting
- Textured gray powder paint finish
- Four color multi-language merchandising carton with application details
- 24" (18" projection) arm included

Shown with acrylic refractor attached

ORDERING INFORMATION

Catalog Number	Construction	Mount	Wattage	Drive Current	Voltage	Color Temperature	Lumens	LPW	Weight lbs. (kg)
DDL-9L1	Die-cast aluminum	Arm/Wall/Surface	40	1280mA	120V	5100K	3437	86	6.8 (3.08)

PERFORMANCE INFORMATION

Series Number	Equivalency			Delivered Lumens	System Watts	Lumens Per Watt	Mounting Height	CCT	Voltage	Drivers/ Current
	MH	HPS	CFL							
DDL-9L1 (Symmetric lens)	100w	100w	85w	3437	40	86	up to 20 ft.	5100K	120V	1@1280mA
DDL-9L1 (Asymmetric lens)	100w	100w	85w	3246	40	81	up to 20 ft.	5100K	120V	1@1280mA

75% SAVINGS!

DDL Utility Dusk-to-Dawn
## Multi-purpose LED Utility Luminaire

- Utility grade design and performance
- 8' long supply leads
- Zero uplight design for environmentally friendly installations
- Refractor is installed and provides enhanced security lighting and LED brightness control
- 40w system with up to 3437 lumens and 86 LPW

- Symmetric lens installed standard
- 120V operation
- Rugged die-cast aluminum housing with both 2-3/8" & 1-5/8" OD mast arm mount capability as well as direct wall/surface mounting
- Textured gray powder paint finish

ORDERING INFORMATION

Catalog Number	Construction	Mount	Wattage	Drive Current	Voltage	Color Temperature	Lumens	LPW	Weight lbs. (kg)
DDL-9L1-NA-NPC-8C	Die-cast aluminum	Arm/Wall/Surface	40	1280mA	120V	5100K	3437	86	6.8 (3.08)

DIMENSIONS
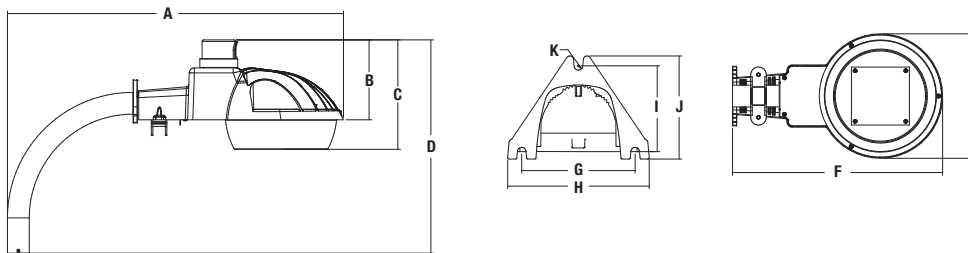
A	B	C	D	E	F	G	H	I	J	K
29.7"	6" or 4"	8.3"	16.2"	9.5"	16"	3.6"	4.5"	2.7"	3.3"	.14"
754 mm	152 mm	209 mm	411 mm	240 mm	406 mm	92 mm	115 mm	69 mm	84 mm	3.5mm

B Dimension = 4" without photocontrol

HUBBELL Outdoor Lighting

12V LED Lightscaper® System

Long Life, Easy to Install, No Maintenance Lighting System

- LED landscape fixtures, long life, low energy consumption, no maintenance, three-year limited warranty
- Die-cast aluminum construction, professional grade, built to perform with durable design
- Powder coat polyester epoxy finish maintains lasting beauty
- 1.5w path fixtures in 7 styles; 3w flood and recessed uplight; 3000K CCT

- Path and flood fixtures are complete with stake, 4' fixture cable, and "Smart Connect" tool-free connector; Flat surface deck adapter included
- Control center is UL listed for wet locations and features non-metallic housing, grounded cord set, photocontrol, and easy cable connect

A simple system, easy to install and maintain, with low energy consumption for safety, security and property enhancement. Go Green with Hubbell Lightscaper® LED products!

ORDERING INFORMATION

Catalog Number	Finish	Description	Weight
CONE			
CO-AB	Antique Bronze	Create a tropical image. The basic 7" dia. cone shape sits 15" high and creates a 5' lighted area with soft, indirect shielded light. Excellent for subtle illumination of plants or walkways.	2.0 lbs
CO-AG	Antique Green		
GREENVILLE			
GN-AB	Antique Bronze	A stately appearance with classic shape. Stands 16" tall with 5" dia. head. Frosted lens provides soft lighting of taller surrounding plantings with 5' coverage. Use along walkways, steps. Typical spacing 8'-12'.	2.75 lbs
GN-PT	Pewter		
REIDVILLE			
RD-AB	Antique Bronze	Bell-shaped head supported by decorative arm and sturdy staff. Full cut-off pattern provides 5' light pool on ground with no glare. Perfect for highlighting walkways, flowers and specimen plants. Typical spacing 8'-10'.	3.25 lbs
SEASHELL			
SS-AB	Antique Bronze	Large seashell with adjustable knuckle. Use as full cut-off or tilt up (45° max.) for larger area coverage. A powerful and flexible luminaire for lighting large flower beds or building perimeter plantings.	2.0 lbs
SS-AG	Antique Green		
EYELID			
EL-AB	Antique Bronze	Round eyelid for deck post or steplighting. Can be surface mounted or semi-recessed. Use for accent or small area illumination of perimeters or stairways. 2' mounting height provides soft coverage 5' w, 2' forward. 6' fixture cable.	1.0 lbs
EL-PT	Pewter		
RECESSED			
RE-PT	Pewter	Round recessed uplight for accent lighting of trees, columns and building facades. Powerful 3w LED projection beam. Provides hidden light source.	1.5 lbs
FLOODLIGHT			
FL-AB	Antique Bronze	Powerful 3w LED projection flood with adjustable knuckle for versatile aiming. Use for accent lighting of building facades, small signs or address numbers, columns, trees and residential flags to 20'.	2.0 lbs
CONTROL CENTER			
LVT56	Black	Non-metallic case protects timer controls and 120V to 12V transformer. Surge protected with grounded cord/plug set and easy 12V cable attachment. Photocontrol triggers "time on", eliminating seasonal adjustment. UL and cETL certified. 56w capacity.	4.0 lbs
CABLE			
CB-75	Black	Low voltage #14 cable runs from LVT56 transformer down path of lighting. UV protected, burial is not required, hide with mulch if desired. Perfect fit with fixture connectors for easy installation (150' is the max. run distance from transformer location to assure best fixture operation).	4.0 lbs
CB-150	Black		6.0 lbs

NOTE: All fixtures are complete with LED light engine, 4' minimum fixture cable and "Smart Connect" tool-free connector. Path lights and floods also include ground stake and a deck mount adapter for flat surfaces. When you purchase Lightscaper®, you get it all!

HUBBELL
Outdoor Lighting

Cone
CO-AB   CO-AG

Greenville
GN-AB   GN-PT

Reidville
RD-AB

Floodlight
FL-AB

Seashell
SS-AB   SS-AG

Eyelid
EL-PT

EL-AB

Recessed
RE-PT

Control Center
LVT56

Cable
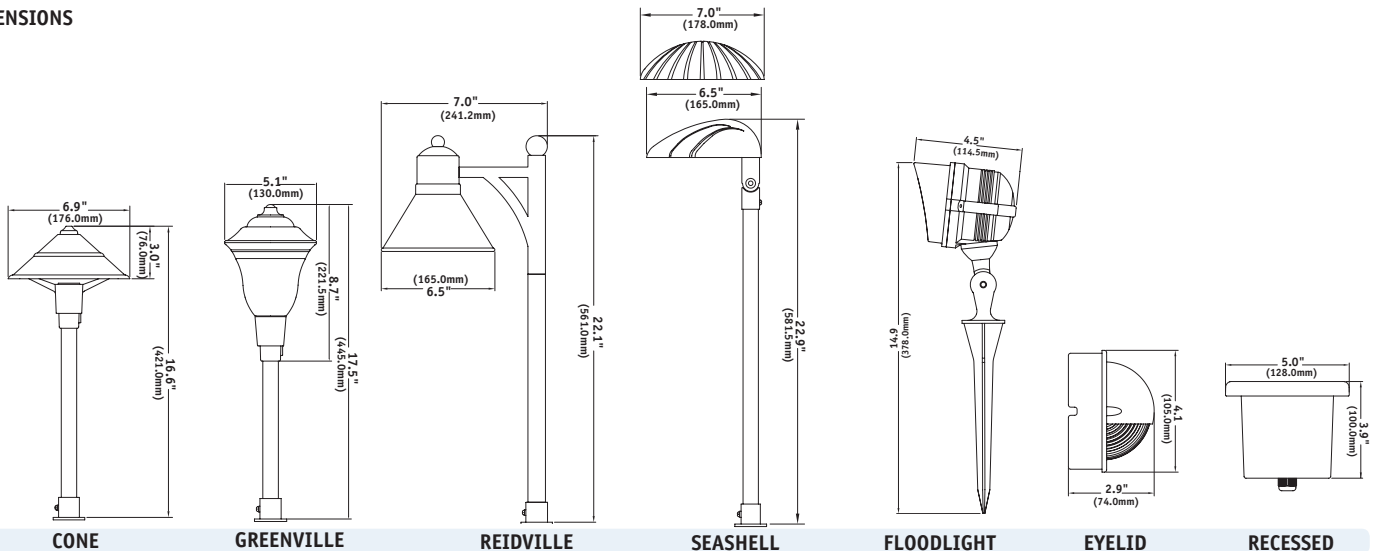CB-75   CB-150

Included Accessories
"SMART CONNECT"   FLAT SURFACE CONNECTOR   STAKE

DIMENSIONS

CONE — 6.9" (176.0mm), 3.0" (76.0mm), 16.6" (421.0mm)

GREENVILLE — 5.1" (130.0mm), 8.7" (221.5mm), 17.5" (445.0mm)

REIDVILLE — 7.0" (241.2mm), 6.5" (165.0mm), 22.1" (561.0mm)

SEASHELL — 7.0" (178.0mm), 6.5" (165.0mm), 22.9" (581.5mm)

FLOODLIGHT — 4.5" (114.5mm), 14.9 (378.0mm)

EYELID — 4.1 (105.0mm), 2.9" (74.0mm)

RECESSED — 5.0" (128.0mm), 3.9" (100.0mm)

SOLAR LIGHTING

SOLAR

Solar power is an abundant source of energy that can be converted directly into electricity using photovoltaics (PV). The energy of the sun (solar radiation) is captured by solar panels, an array of solar cells. With the advancements in solar technology coupled with the improvements in solid-state lighting, commercial and industrial applications can now realize the benefits of solar powered lighting. Hubbell Lighting is committed to providing innovative and sustainable lighting solutions which offset the rise in energy costs and our impact on the environment.
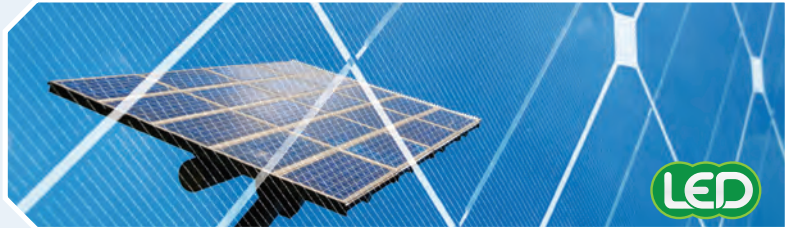
Hubbell Outdoor and Spaulding Lighting offer sustainable solar powered lighting solutions for area/site, roadway, floodlighting, pathway and wall ceiling applications using the most popular luminaires. The available products include: Roadway LED, Cimarron area/site LED, Laramie LFS flood LED, Euroluxe® LED, Laredo LED wallpack and Tempe LED bollards. These solar powered lighting solutions offer an environmentally friendly "clean energy" solution to lighting with the potential benefits of receiving special incentives for renewable projects.

SOLAR POWERED LIGHTING FEATURES AND BENEFITS

* Solar powered lighting offers an environmentally friendly solution to lighting
* Security, navigation and identification lighting for areas where grid tied power may be inaccessible, unreliable or too costly
* No trenching
* No wires
* No electric bills
* Funding may exist in certain areas for renewable projects
* Solar powered lighting system can be portable

THE SYSTEM – INTEGRATED SOLAR ELECTRIC POWER ASSEMBLIES

Energy-efficient solid state lighting fixture for variety of applications

+

Solar panel with self-contained electrical power assemblies – 5 to 340w

+

Round Straight Steel (RSS) and Round Straight Aluminum (RSA) construction poles available

=

Complete solar lighting solution with instant sustainable off-grid power source

Hubbell Lighting is pleased to partner with Solar Electric Power Company (SEPCO) to provide the most energy efficient and sustainable solar lighting solutions in the market.

Contact your Hubbell Lighting representative for details or visit **www.hubbelloutdoor.com**

LCC
LCC Solar

- The LCC solar unit is used with Hubbell Lighting solar lighting package
- Decorative die-cast aluminum housing and door; Rugged design protects internal components and provides excellent thermal management for long life
- Flat, tempered, impact-resistant glass lens protects optics
- Powder paint finishes provide lasting appearance and are available in standard finishes: Dark Bronze, Black, White, Gray and Platinum
- Two-point lag mount securely holds housing to surface; Mounting template is provided

- 12 LED system delivers 820 lumens at 12.8w for 64 lumens per watt efficiency, 5000K CCT, 12V DC system
- Designed for mounting over standard recessed junction boxes or for wiring with surface conduit; ½" hubs with plugs provided on top and sides for versatile access
- IDA compliant entry or perimeter lighting
- Six to twelve foot typical mounting heights
- Suitable for use in wet locations

ORDERING INFORMATION (Must be ordered with Hubbell Lighting solar power assembly, see specification sheets for detailed information)

LCC	-	12LD	-	5K	

SERIES	NUMBER OF LEDS/SOURCE/VOLTAGE	CCT	FINISH
LCC Laredo Compact Zero uplight	**12LD** 12 LEDs, 12V DC	**5K** 5000K nominal	**1** Bronze **2** Black **3** Gray **4** White **5** Platinum

Catalog Number	Description
LCC-SPC	Polycarbonate shield

A	B	C
9.0"	9.5"	7.2"
229 mm	241 mm	183 mm

SPAULDING LIGHTING
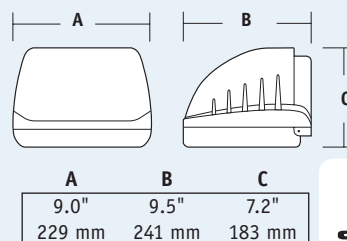
BRLD
Euroluxe® Solar

- The Euroluxe® solar luminaire is used with Hubbell Lighting Solar Package; Using Euroluxe's two finishes and accessory trims, various styles can be created for use in both interior or exterior applications such as entry, stairwells, perimeter walls, corridors; Units can be wall or ceiling mounted
- Borosilicate glass lens sealed to housing by silicone gasket and stainless steel philips head screws; Ribbed lens uniformly spreads light for a symmetrical, soft distribution
- Die-cast aluminum housing and face trims

- Dark bronze and White finishes are offered standard
- Suitable for use in wet locations
- 6 LEDs, 15w, 12V DC, 834 lumens, 5000K, 61.5 lumens per watt efficiency
- Units are designed to operate from -35° C to 40° C ambient
- Two point lag or hickey mount to recessed junction box.

ORDERING INFORMATION (Must be ordered with Hubbell Lighting solar power assembly, see specification sheets for detailed information)

Catalog Number	Shape	Finish	Wattage	Weight lbs. (kg)
BRLD-01	Round	Bronze	15w	6.0 (2.7)
BRLD-04	Round	White	15w	6.0 (2.7)

ACCESSORIES - Order Separately

Catalog Number	Description
BR-GX[1]	Cast aluminum guard for round fixture
BR-SX[1]	Cast aluminum shield for round fixture

1 Finish must be specified, bronze and white are stock, substitute X for: 1-bronze, 4-white

A	B	C
5.5"	9.5"	10.125"
150 mm	241 mm	257 mm

HUBBELL ® Outdoor Lighting

169
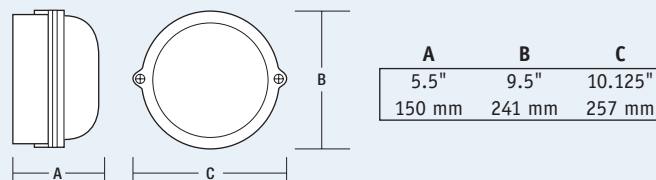
LFS

Compact Solar Flood

- The compact LED solar flood is used with Hubbell Lighting solar package; Laramie LFS is suited for illuminating signs, facades, small area illumination, flag poles and landscape accent
- Decorative die-cast aluminum construction
- Silicone gasketing for positive seal, 1/2" threaded knuckle for use with accessories or mounting by others
- Five standard polyester powder protective finishes plus custom color capability are offered

- Narrow beam (NEMA 1x1) provides a spot for flags, columns and accent lighting
- Medium beam (NEMA 4x4) delivers mid-range beam punch
- Wide beam (NEMA 6x6) with uniform distribution – great for close setbacks
- LED units offer long life with little maintenance and low energy consumption; 12 LEDs, 15w, 12VDC, 936-954 lumens, 5000K CCT, 64 lumens per watt efficiency
- Suitable for use in wet locations

ORDERING INFORMATION (Must be ordered with Hubbell Lighting solar power assembly, see specification sheets for detailed information)

LFS	-		-	

| SERIES	#OFLEDS/SOURCE/VOLTAGE/CCT/BEAM	FINISH
LFS Laramie Flood Small	12LD-5K-W 15w 12V DC, 6x6 12LD-5K-M 15w 12V DC, 4x4 12LD-5K-N 15w 12V DC, 1x1	BZ Bronze BL Black GR Gray WH White PS Platinum

ACCESSORIES - Order Separately, Field Installed

Catalog Number	Description
1031-3	Portable spike with 1/2" top hub and 6ft cord set, platinum/gray finish
LFS-GS	Glare shield, black
LFP-JB-BZ	Round pole-side junction box with hardware, 1/2" cover and bottom hub, bronze
LFS-SPC	Polycarbonate shield
MIC-TB	Half yoke wiring box, bronze
NM-BC	Non-metallic box and cover burial box with cable connectors
S-302-M51	2" pipe (2 3/8" O.D.) slip-fitter with 1/2" top hub for LFS/LFP, bronze
S-302-M52	2" pipe (2 3/8" O.D.) slip-fitter with 1/2" top hub for LFS/LFP, white
S-302	2" pipe (2 3/8" O.D.) slip-fitter with 1/2" top hub for LFS/LFP, platinum/gray
S329B	Wet location surface box with cover, (4) side and (1) cover 1/2" hub, nat. alum.

REPLACEMENT PARTS

Catalog Number	Description
93004823	Replacement lens
207-5011-0264	Bronze knuckle

DIMENSIONS

	A	B	C	D	E
LFS	10.25" 260 mm	6.5" 165 mm	8" 203 mm	4" 102 mm	2.5" 63.5

SPAULDING
LIGHTING
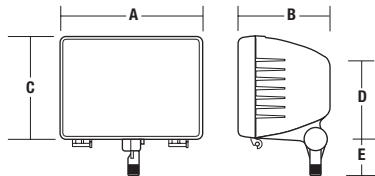
- The LED RM unit is used with Hubbell Lighting's solar lighting package; This DC unit is powered by the solar panel and battery that is custom designed for your location; Typical applications include roadway, parking, area and perimeter lighting
- Units are available in 35w, 50w, and 70w configurations; 12V DC input current
- Die-cast aluminum housing and doors provide light weight, yet durable protection, A driver door allows easy access for both mounting and wiring
- A 30LED light engine provides standard IES distributions of Type II, III, IV, V square with up to 86 LPW efficiency

- Each LED has individual optical lens so every source contributes to the same IES pattern
- IP-65 LED light engine assembly and driver(s)
- Lektrocote® finish with 2 standard and custom colors available
- Fixture feature a twin clamp mounting to either 2 3/8" OD or 1 5/8" OD pipe; A center fulcrum allows leveling of +or- 5 degrees by clamp adjustment
- A 'bird shield' is included on all fixtures; Fixtures are capable of 3G installations.
- IDA fixture seal of approval
- Suitable for use in wet locations

ORDERING INFORMATION (Must be ordered with Hubbell Lighting solar power assembly, see specification sheets for detailed information)

RMCT	–	30L	–	D	–		–		–		–	

SERIES	NUMBER OF LEDS	VOLTAGE	CCT	IES DISTRIBUTION	DRIVE CURRENT	FINISH
RMCT Zero uplight medium solar Roadway	**30L** 30 LEDs	**D** 12V DC	**4K** 4200K nominal **5K** 5100K nominal	**2** Type II **3** Type III **4** Type IV **5** Type V	**035** 350 mA (35w) **052** 525 mA (50w) **070** 700 mA (71w)	**M51** Bronze **M53** Gray

DIMENSIONS

A	B	C
6.75"	13"	29.75"
171 mm	330 mm	756 mm

HUBBELL Outdoor Lighting
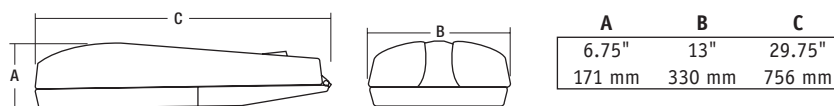
Cimarron CR1D
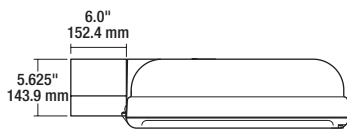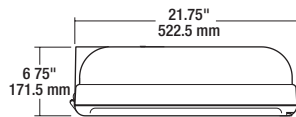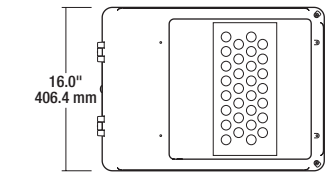
Solar Area/Site Lighter
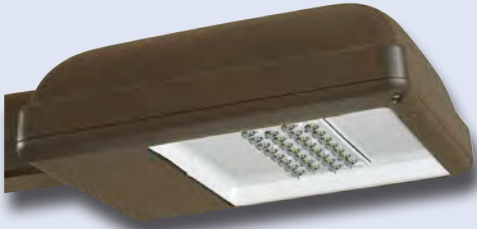
- The LED CR1 unit is used with Hubbell Lighting's solar lighting package; This DC unit is powered by the solar panel and battery that is custom designed for your location; Typical applications include roadway, parking, area and perimeter lighting
- Die-cast aluminum housing provides light weight, yet durable protection; Access to driver from two screws and hinged door for both mounting and wiring
- A 30LED light engine provides standard IES distributions of Type II, III, IV, V square with up to 86 LPW efficiency

- Each LED has individual optical lens so every source contributes to the same IES pattern
- Units are available in 35w, 50w, and 70w configurations; 12V DC input current
- CR1 fixtures feature straight arm mounting or optional mast arm fitter to 2 3/8" OD pipe
- IP-65 LED light engine assembly and driver(s)
- Units are designed to operate from -35˚ C to 40˚ C ambient
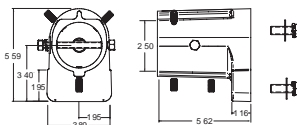- Suitable for use in wet locations

ORDERING INFORMATION (Must be ordered with Hubbell Lighting solar power assembly, see specification sheets for detailed information)

CR1D - ☐ - **30LD** - ☐ - ☐ - ☐ - ☐

SERIES	MOUNTING		NUMBER OF LEDS/VOLTAGE		CCT		IES DISTRIBUTION		DRIVE CURRENT		FINISH	
CR1D Solar Cimarron	**A**	Arm mount (6" straight rigid arm included & acceptable for 90˚ configurations)	**30LD**	30 LEDs, 12V DC	**4K**	4200K nominal	**2**	Type II	**035**	350 mA (35w)	**DB**	Dark Bronze
	MAF	Mast arm fitter for 2 3/8" OD horizontal arm			**5K**	5100K nominal	**3**	Type III	**052**	525 mA (50w)	**GR**	Gray
							4	Type IV	**070**	700 mA (71w)		
							5	Type V				

DIMENSIONS

16.0"
406.4 mm

21.75"
522.5 mm

6 75"
171.5 mm

6.0"
152.4 mm

5.625"
143.9 mm

STRAIGHT ARM

5 59
3 40
1 95
3 89

2 50
5 62
4 16

MAST ARM FITTER OPTION

SPAULDING LIGHTING

TMR/TMS

Solar LED Bollards

- The Tempe square and round bollards are used with Hubbell Lighting's solar lighting package; These DC units are designed to illuminate walkways and courtyards
- Extruded aluminum square or round housing, with tamper resistant hardware; Single screw access for top relamping; Decorative Southwest series cast top
- Durable Lektrocote® TGIC thermoset polyester powder coat paint finish assures long life and maintenance-free service
- Units are available in 31w and 62w configurations, 12V DC input current

- 12 LED light engine, 31w, asymmetric distribution, 3500K or 5000K color temperature
- 24 LED light engine, 62w, symmetric distribution, 3500K or 5000K
- Sealed one-piece, clear acrylic lens; Specular, anodized aluminum optical systems
- Concealed, galvanized steel anchor base; Four 1/2" x 10" anchor bolts
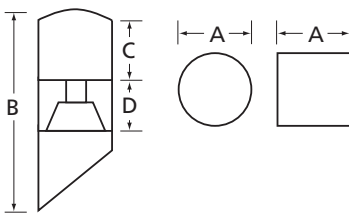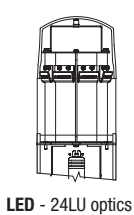- Suitable for use in wet locations

TEMPE ROUND   TEMPE SQUARE

LED

ORDERING INFORMATION (Must be ordered with Hubbell Lighting solar power assembly, see specification sheets for detailed information)

[ ] - [ ] - **D** - [ ]

SERIES	NUMBER OF LEDS/CCT	VOLTAGE	FINISH
TMR Tempe Round	**12LU-3K** 12 LEDs, 31w, asymmetric distribution, 3500K	**D** 12V DC	**DB** Bronze
TMS Tempe Square	**12LU-5K** 12 LEDs, 31w, asymmetric distribution, 5000K		**BL** Gray
	24LU-3K 24 LEDs, 62w, symmetric distribution, 3500K		**WH** White
	24LU-5K 24 LEDs, 62w, symmetric distribution, 5000K		**GR** Gray
			PS Platinum Silver

DIMENSIONS

LED - 24LU optics

	A	B	C	D	Weight
TMR	7" dia.	41 1/2"	5 1/2"	4"	41 lbs.
	178 mm	1054 mm	140 mm	102 mm	18.6 kg
TMS	6 3/4" dia.	41 1/2"	5 1/2"	4"	41 lbs.
	171 mm	1054 mm	140 mm	102 mm	18.6 kg

SPAULDING
LIGHTING

SPAULDING
L I G H T I N G

BRAND PROFILE

- Founded in 1955

A complete line of luminaires and poles for area/ site lighting, wall mount, floodlighting and parking garage applications are available utilizing the latest in energy-saving technologies – LED, pulse start metal halide, compact fluorescent and traditional sources. Spaulding Lighting provides lighting solutions for applications including: parking areas, automotive dealerships, educational/ healthcare campuses, commercial developments, walkways and decorative roadway applications.

PRODUCT OFFERING

LED architectural area/site, wall mount, ceiling/canopy/garage, floodlighting, post top, and bollard luminaires designed for the mid-specification and design-build markets, addressing their need for energy-savings, performance, delivery and value.

AREA/SITE LIGHTING

LED DESIGN GUIDE

LED Area/site
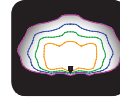Design Guide
pages 178-181

AREA/SITE WALLMOUNT CONTROLS

Arceos ARS
Controls
page 182-183

Cimarron
CL1S Series
pages 184-185

Cimarron
CL1 Series
pages 186-187

Cimarron
ECL1PSE backlight control
pages 187

FLOODLIGHTING

Arceos ARF1
Floodlight
pages 188

Arceos ARF2
Floodlight
pages 189

Arceos ARF3
Floodlight
pages 190

Arceos ARF4
Floodlight
pages 191

WALLPACKS

TRPC/QSPC/RDIC
Compact Wallpacks
page 192

TRP Geometric
Wallpacks
page 193

RDI Geometric
Wallpacks
page 193

QSP Geometric
Wallpacks
page 193

Laredo LMC
Wallpacks
page 194

WALL/SURFACE

Hercules® HVS/HVL
Vandal Resistant
Series
page 195

CEILING/SURFACE/GARAGE

Arceos ARS
Ceiling/Surface/Garage
page 196

PARKING AREA CONTROLS

Arceos ARS
Controls
page 197

POST TOPS

Peachtree
PT Series
pages 198

Vandalia
VA Series
pages 199

BOLLARDS

Tempe
TMR/TMS Series
pages 200

Fresno
FN1/FN2 Series
pages 201

LED Retrofit Kit
BOLR/BOLS Series
pages 202

MOUNTING ACCESSORIES & POLES

Cimarron Accessories
CL1/CL1S Series
pages 203

Poles
FN1/FN2 Series
pages 204-205

LED Design Guide

LED Optical Performance for Area/Site Lighting

LIGHTING SOLUTIONS UTILIZING LED SYSTEMS

Lighting decisions for today's commercial, retail and industrial property owners are rapidly changing. Today's lighting environment often requires businesses to look for innovative ways to dramatically reduce their overall energy costs, greenhouse gas emissions and overall operating risk. With the advancement of technology and rapidly changing criteria, business owners are often tasked with making tough decisions regarding the use of traditional light sources vs. an LED alternative solution.

Spaulding Lighting understands the importance of providing customers with the proper analysis and key data required to assist in their decision making process.

THE INNOVATIVE OPTICS OF THE SPAULDING CIMARRON LED SERIES LUMINAIRES:

- Utilize precise LED optical design and directional lens placement to maximize light delivery where it is needed
- Enable fewer fixtures to be used to deliver comparable light levels for significant energy savings
- Provide one solution to address the need to conserve natural resources without compromising safety and security
- Redistribute the light away from unwanted areas and place it where it can be better utilized
- Employ individual optics designed for maximum performance with very little wasted energy
- Offer enhanced uniformity for greater visibility

BEFORE

464w HPS

AFTER

216w LED

SPAULDING
L I G H T I N G

For complete LED area/site information visit: **www.spauldinglighting.com**

LED Design Guide
LED Optical Performance for Area/Site Lighting

LED ADVANCEMENTS AND OPTICAL PERFORMANCE

With the rapid advancements of LED technology, visual acuity and better uniformity can be achieved while using less energy. Spaulding's Cimarron LED fixtures integrate the latest LED advancements and deliver optical performance that can perform as well as, and in most cases, better than historical HID fixtures with higher lumen packages.

Advancements in solid state technology have brought about the use of light sources such as LED that provide more energy efficiency and long life, and help protect the environment.

The Cimarron LED series delivers the following advantages:

- Delivers wider spacing and increased forward throw
- Improves overall uniformity
- Uses up to 50% less energy of an equivalent HID fixture at full brightness
- Bi-level control and continuous dimming options offer additional energy-savings
- Potential to reduce pole count
- Enables mounting heights from 15 ft. to over 35 ft.
- Performs virtually maintenance-free (L90 at 60,000 hours, projected per IESNA TM-21-11)
- Saves energy and reduces annual maintenance costs

FOR OUTDOOR PARKING APPLICATIONS, CONSIDERATION SHOULD BE MADE FOR THE FOLLOWING:

- Illuminance - minimum and uniformity requirements
- Energy savings
- Luminaire layout
- Maintenance
- Optical control
- Performance
- Environmental friendliness
- Total cost of ownership

CBEA Lighting Guidelines (Commercial Building Energy Alliance)	Minimum Horizontal	Uniformity
	Illuminance	Maximum: Minimum
Lighting Zone 0 Wilderness areas, parks and preserves, and undeveloped rural areas	N/A	N/A
Lighting Zone 1 Rural and low density residential areas	N/A	N/A
Lighting Zone 2 Light commercial business districts and high density or mixed use residential districts	0.50 fc	10:1
Lighting Zone 3 Large cities' business districts	0.75 fc	10:1
Lighting Zone 4 High intensity business or industrial zone districts	1.00 fc	10:1

The table above is taken from Commercial Building Energy Alliance Site Lighting Performance Specification for Exterior Parking Lots.

LIGHTING CONTROLS

The wiHUBB® control systems from HBA (Hubbell Building Automation) allow programmable control of site/parking luminaires for maximum energy savings. In-Fixture Modules feature full-range dimming capabilities into LED luminaires. Additionally, wiHUBB® Smart Pack and Preset Switch can be included for manual override control further maximizing savings (see Hubbell Building Automation pages 84 for more information)

wiHUBB ENABLED

WIHUBB® CONTROLS FEATURES AND BENEFITS

- Energy savings
- Programmable control of site luminaires wiHUBB® devices communicate utilizing the most advanced radio RF technology
- Fixture scheduling for On/Off and dimmed levels of illumination
- Lower installation costs, no additional wiring
- No rewiring or trenching on retrofit applications
- Factory installed wireless modules
- Expandable/scalable system grows as your facility and lighting needs grow

SPAULDING LIGHTING

LED Design Guide

LED Optical Performance for Area/Site Lighting
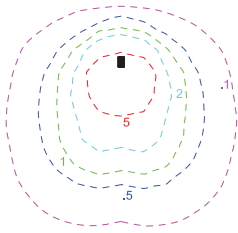
APPLICATION BASED SOLUTIONS

Examples show a photometric layout designed to the Commercial Building Energy Alliances (CBEA) Lighting Zone 4 minimum horizontal luminance of 1 foot candle utilizing LED. **The advantages and cost savings with LED are summarized below.**

It is also important to consider current IESNA recommended RP20 guidelines for designing fixed lighting for parking facilities. IESNA recommendations only apply to the design of new lighting systems for parking facilities. The lighting recommendations given here are for the reasonably safe movement of vehicular and pedestrian traffic in parking facilities. These values should be considered a minimum guideline, which are subject to changes based on sound engineering judgment. Considerations on illuminance requir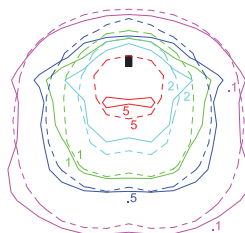ements of a parking facility are affected by layout, operation, and vehicular traffic safety issues, plus the visibility and security needs of pedestrians walking to or from their vehicles. More commonly, parking lots are illuminated to higher levels for safety and security reasons.

IESNA RP 20 recommended maintained illuminance values for parking lots	Basic	Enhanced
Minimum horizontal illuminance	0.2 fc	0.5 fc
Uniformity ratio, (max/min)	20:1	15:1

TECHNOLOGY COMPARISON

EXAMPLE 1

– – – – HYDROFORMED

Traditional HID

The large area of excessive lumens in the center of the diagram above provides a visual representation of wasted energy.

HID shoeboxes typically use a lamp in the horizontal position, emitting most of the light straight down at 0 degrees. The excessive lumens gather directly underneath the fixture resulting in:

- Bright, hot spot
- Increase in overall average footcandle levels for poor uniformity

EXAMPLE 2

– – – – HYDROFORMED   ——— SEGMENTED

HID Segmented Reflectors

The diagram above illustrates how segmented reflectors redirect light where it is needed in comparison to hydroformed optics.

The use of segmented reflectors:

- Reduces the hot spot
- Enhances overall visual acuity
- Improves lumen distribution and uniformity

Depending on certain criteria, it is even possible to:

- Reduce the overall fixture count
- Save money during initial installation
- Consume less energy throughout the year

EXAMPLE 3

– – – – HYDROFORMED   ——— CIMARRON LED

LED – Cimarron LED

The diagram above illustrates the performance of the Type IV Cimarron LED. Note the absence of excessive lumens directly under the fixture.

Each LED optical configuration is designed for maximum performance. The advantages of Cimarron LED include:

- Energy-efficiency
- Better uniformity
- Reduced pole and fixture count
- Long life
- Money savings during installation
- Virtually maintenance free (no re-lamping)

LED Design Guide
Large Parking Area Layout with Cimarron LED

LUMINAIRES: 90 LEDS, MOUNTED AT 34 FT.
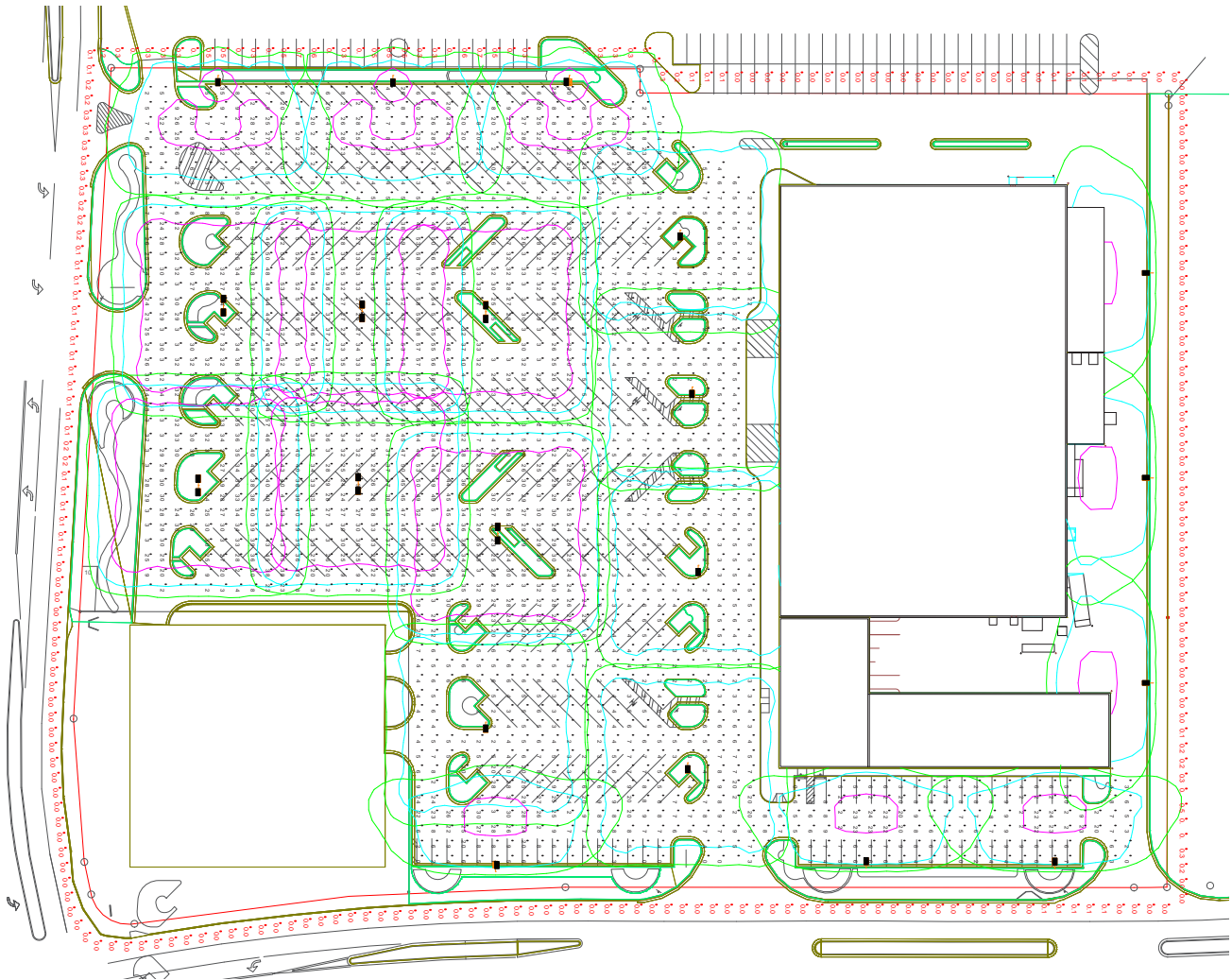
ILLUMINATION DATA

Maximum: 7.1 fc

Minimum: 1.0 fc

Average: 2.39 fc

Max/Min: 7.1

Avg/Min: 2.39

Lamp Lumen Depreciation	.95
Luminaire Dirt Depreciation	.95
Light Loss Factor	.90

Cimarron LED cost analysis example	
Quantity of luminaires/poles	26/20
Total installed cost*	$93,450
Input watts per fixture	336
Annual hrs per fixture @ 11 hrs/day	4015
Total site annual KWH	35017
Annual energy costs @ $0.10 per KWH	$3,407

- Annual energy savings of 72% plus reduced maintenance offset the initial investment
- Higher KWH rate will increase cost savings and accelerate payback
- The implementation of controls provides additional cost and energy savings

Note: Large parking area layout designed with 5100K CCT Cimarron LED fixtures

*Estimated fixture, pole, base, trenching and labor; Annual maintenance costs not included

For complete LED area/site information visit: **www.spauldinglighting.com**

SPAULDING
LIGHTING

Area/Site Controls
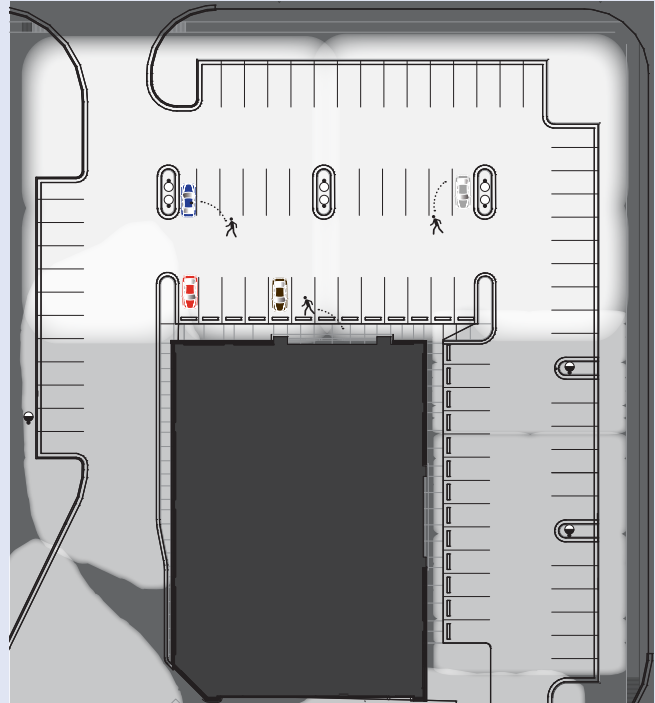
Passive Infrared Motion Sensors

The implementation of controls in a parking lot offers many benefits such as energy savings, extending the life of the LED lamps and compliance with energy codes. By utilizing the latest in energy-saving LED technology and controls from Hubbell Lighting, building owners can reduce overall operating costs.

CONTROLS FEATURES AND BENEFITS

LED luminaires with motion sensor option can be configured to illuminate from low to high power or off to on when motion is detected. Luminaire will return to off or low when motion is no longer detected.

- Digital Passive Infrared (PIR) sensor with dual element pyrometer and spherical fresnel lens for detection of major human motion/activity; The pyro detects the difference in the IR energy radiated from the background versus the moving object. The lens divides the coverage area into multiple zones. Detection is dependent on movement between zones (see coverage pattern below). Objects in path of sensor line of sight can limit coverage.

- High/low or on/off capability available

- User programmable low settings of 70, 60, 50, 20 percent of power; Factory default is 50% of power

- 360° sensor range (less pole shadow)

- Two lenses available: High for mounting up to 30 ft. and wide for mounting up to 16 ft.

- Low temperature (-30°C to 40°C maximum) indoor-outdoor sensors

- User programmable sensor setting mode (test/normal)

- Time out delay is field adjustable; User programmable settings of 4, 6, 8 & 30 min; Factory default setting is 8 minutes

- All units equipped with daylight harvesting which can be user enabled. Factory default setting is disabled; Ambient light range is user selectable from 1-50 FC; Daylight harvesting feature has precedence over motion detection turning fixture completely on or off

- Sensor conforms to UL Standard 508, UL Standard 244A & IP65

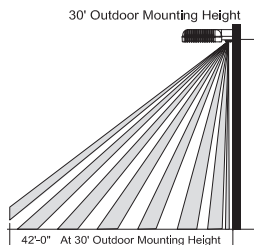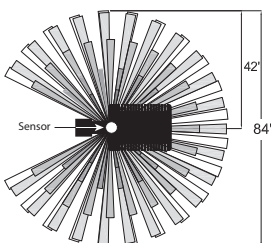- Conforms to California Title 24/ASRAE 90.1/CBEA

Luminaires with passive infrared sensor control

○ High 100% light output   ○ Low light output

EXAMPLES & DESIGN CONSIDERATIONS

- Start up delay from initial motion detection to fixture illumination is approximately 1-2 seconds.
  Note: Extreme heat or cold temperatures may limit detection.

- Vehicle detection is possible however less reliable than human detection; Vehicle detection is dependent upon the following: rate of speed, mounting height of luminaire and vehicle temperature.

Luminaires installed at a 30 ft mounting height results in a 42 ft detection radius (84 ft. diameter). A vehicle moving 10 mph travels a distance of 15 ft per second. As a result illumination would occur when the vehicle is 20'-25' from the luminaire.

Sensor

42'

84'

30' Outdoor Mounting Height

42'-0" At 30' Outdoor Mounting Height

HIGH LENS

30 (mtg ht)

r = 1.4 x h

d = 2.8 x h

WIDE LENS

16 (mtg ht)

r = 3 x h

d = 6 x h

SPAULDING
LIGHTING

Building Mount Controls

Passive Infrared Motion Sensors

Lighting controls for building mount applications can provide significant energy savings by lowering light levels or only lighting the application area where and when it's needed. Similar to pedestrian wallway applications, design considerations for building mount applications include proper light level requirements for safety due to higher volume of activity and architectural lighting requirements.

CONTROLS FEATURES AND BENEFITS

LED wallpack luminaires with motion sensor option can be configured to illuminate from low to high power or off to on when motion is detected. Luminaire will return to off or low when motion is no longer detected.

- Digital Passive Infrared (PIR) sensor with dual element pyrometer and spherical fresnel lens for detection of major human motion/activity; The pyro detects the difference in the IR energy radiated from the background versus the moving object. The lens divides the coverage area into multiple zones. Detection is dependent on movement between zones (see coverage pattern below). Objects in path of sensor line of sight can limit coverage.

- High/low or on/off capability available

- User programmable low settings of 0 - 9.8 volt; Factory default is 1 volt

- 180° sensor range (wall mount)

- 20 ft. maximum mounting height with 1:1 sensor range

- Operating temperature: -40˚-104˚F (-30°C to 40°C)

- User programmable sensor setting mode (test/normal)

- Time delay is field adjustable; User programmable settings of 30 seconds, 5-30 minutes; Factory default setting is 5 minutes

- All units equipped with daylight harvesting which can be user disabled; Factory default setting is 4 FC; Ambient light range is user selectable from 1-250 FC, Daylight harvesting feature has precedence over motion control turning fixture completely on or off

- High and low dimmed light levels are fully adjustable via handheld wireless configuration tool;

- Sensor conforms to UL Standard 508, UL Standard 244A & IP65

- Conforms to California Title 24/ASRAE 90.1/CBEA

Wallpack Luminaires with passive infrared sensor control

Low light output | High 100% output

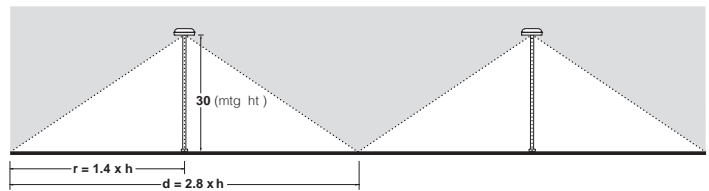### EXAMPLES & DESIGN CONSIDERATIONS

- Start up delay from initial motion detection to fixture illumination is approximately 1-2 seconds

- Detection is dependent upon the following: rate of speed, mounting height of luminaire and ambient temperature (see coverage pattern below). Detection of rapidly moving objects such as bicycles, motorized vehicles, etc. is possible however less reliable than human movement at normal walking speeds.
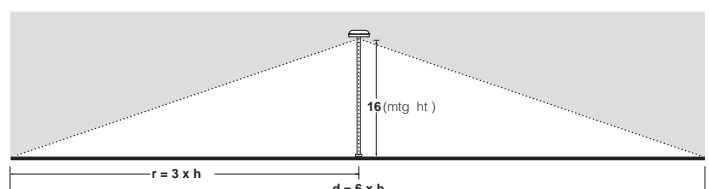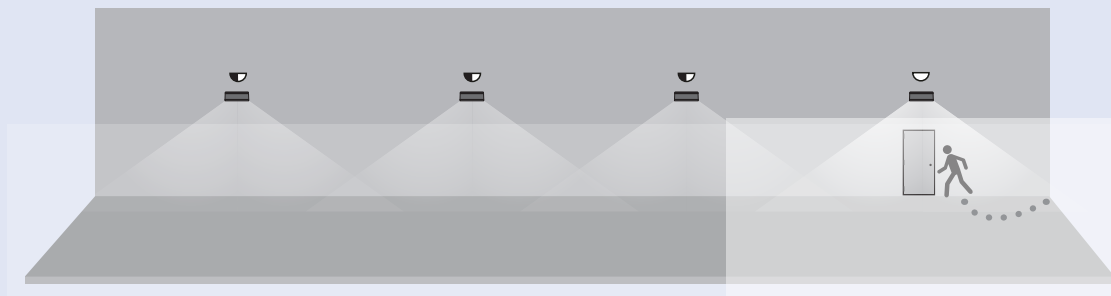
A luminaire installed at a 20 ft mounting height results in a 20 ft detection radius. A bicycle moving 10 mph travels a distance of 15 ft per second. As a result, illumination would occur when the object is under or past the luminaire.

A luminaire installed at a 20 ft mounting height results in a 20 ft detection radius. A pedestrian moving 3 mph travels a distance of 4.5 ft per second. As a result, illumination would occur when the pedestrian is 11'-15' from the luminaire.
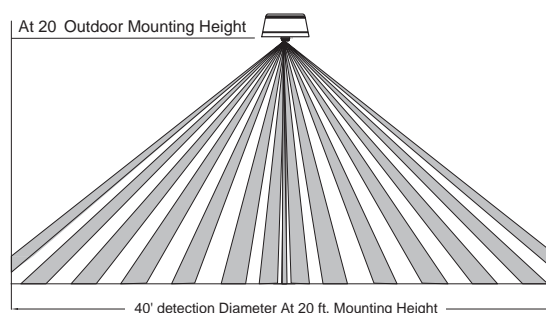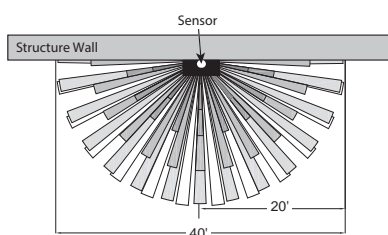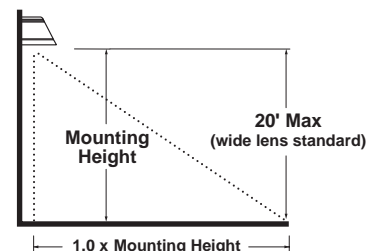
Mounting Height

20' Max (wide lens standard)

1.0 x Mounting Height

Sensor

Structure Wall

20'

40'

At 20 Outdoor Mounting Height

40' detection Diameter At 20 ft. Mounting Height

SPAULDING LIGHTING

183

Cimarron CL1S

Pedestrian Site Lighting

FEATURES

- Stylish vertically finned die-cast solid top housing and lower heat sink optimize heat dissipation
- Decorative integral arm houses two stage hinge mechanism
- Features quick-mount plate and quick-connect wiring for easy installation
- Drivers have greater than 90% power factor and less than 20% THD
- Optional 0-10VDC continuous dimming to 10%
- Automatic thermal self protection
- Surge protection standard
- -40 deg C to 40 deg C ambient operation
- Lektrocote TGIC polyester powder coat finish
- Stainless steel bezel mechanically compresses gasketed light engine for IP66 rating
- New EXO-Optic technology available

- Nominal 3000K, 80 CRI; 4200K, 70 CRI; 5100K, 67 CRI, turtle friendly Amber
- Choice of 54 high brightness LED configurations with individual acrylic lenses aimed to produce IES type II, III, IV and V distributions
  - Backlight control option reduces spill light behind pole by 85%, doesn't change fixture appearance or EPA
  - Patent pending EXO optic technology filters short wavelengths (blue light)
- Features exclusive wiHUBB technology
  - Wireless system for On/Off and 0-10VDC dimming control to 10% light output
  - Programmable autonomous operation
- DesignLights Consortium qualified
- Listed to UL1598 and CSA C22.2#250.0 24 for wet locations
- IES Progress Award Winner – 2013

ORDERING INFORMATION

CL1S	–	A	–		–		–		–		–		–	

SERIES

CL1S Cimarron LED Pedestrian Scale

MOUNTING

A 4" straight arm attached to housing complete with quick-mount plate

NO. OF LEDS

16L 16 High brightness LEDs
32L 32 High brightness LEDs
48L 48 High brightness LEDs

VOLTAGE

U[3] Universal 120V-277V, 50/60 Hz
1[1] 120V
2[1] 208V
3[1] 240V
4[1] 277V
5 480V, 60 Hz
F 347V, 60 Hz
E[4] 220V, 50 Hz

CCT

3K 3000K, 80CRI
4K 4200K, 70CRI
5K 5100K, 67CRI
AM[6,9] Amber (590 nm available for "Turtle Friendly" applications (consult factory)

EXO OPTIC

E3[9] Static EXO Adaptive optic Technology
E3D[9,12] Dynamic EXO Adaptive optic Technology (consult factory)

DISTRIBUTION

2	Type II	**2L**	Type II rotated left
3	Type III	**3L**	Type II rotated left
4	Type IV	**4L**	Type IV rotated left
5S	Type V Short	**2R**	Type II rotated right
5M	Type V Medium	**3R**	Type III rotated right
5W	Type V Wide	**4R**	Type IV rotated right

DRIVE CURRENT

Leave blank for 700mA (standard)

035 350mA Amber (590 μm available for "Turtle Friendly"/observatory applications (consult factory)

COLOR

DB Dark Bronze
BL Black
WH White
GR Gray
PS Platinum Silver
RD Red (premium color)
FG Forest Green (premium color)
CC Custom Color

OPTIONS

BC[5] Backlight control
CD[2,7] Continuous dimming
F(X)[3,4] Fusing (replace X with voltage: 1-120V, 2-208V, 3-240V, 4-277V, 5-480V, 6-347V)
RPA3 3" Round pole adapter
RPA4 4" Round pole adapter
TB Terminal block
WB Wall bracket
PR(X)[2] NEMA Photocell receptacle (replace X with voltage: U = 120-277, 5 = 480, 6 = 347)
WIH[2,8] In-fixture wireless control module

MOTION CONTROL OPTIONS

SCO[8] No light output when no motion detected / On/ Off control
SCP[8,10] Programmable motion control, factory default is 50% (See page 182)

ACCESSORIES SEE PAGE: 203

Notes: 1 - Select only when using voltage specific options F, WIH
2 - WIH cannot be combined CD or PR(X) options
3 - Fuse option not available with U voltage
4 - Select F3 fusing option for 220V
5 - Not recommended for Type 5S, 5M or 5W
6 - 350mA required with amber CCT
7 - Dimming leads accessible for connection to third party dimming systems
8 - Available with 120V, 277V, 347V or 480V
9 - Dynamic EXO optic and Amber option only available in 48L configuration
10 - 0-10V fully adjustable dimming with automatic daylight calibration and different time delay settings
11 - Available in Type III and 5M only
12 - E3D EXO Optic Dynamic option configuration consists of 16 EXO optics and 32 clear optics (Consult Factory for control options)

DIMENSIONS

	A	B	C	D	E	F	G	H	Weight
CL1S	12.0"	16.3"	4.0"	4.5"	3.0"	20.3"	4.1"	4.1"	19 lbs.
	305 mm	414 mm	102 mm	114 mm	76 mm	515 mm	105 mm	105 mm	8.62 kg

SPAULDING LIGHTING

Cimarron CL1S
Pedestrian Site Lighting

PERFORMANCE INFORMATION

Catalog Number	Equivalency		Delivered Lumens						System Watts		Lumens Per Watt	CCT	Drivers/ Current
	MH	HPS	Type 2	Type 3	Type 4	Type 5M	Type 5S	Type 5W	120V-277V	347V-480V			
45% SAVINGS! CL1S-16L-3K	100w	70w	2,438	2,456	2,486	2,737	2,761	2,725	39	39	71	3000K	1@700mA
24% SAVINGS! CL1S-32L-3K	150w	100w	4,788	4,823	4,881	5,375	5,422	4,918	76	76	71	3000K	2@700mA
26% SAVINGS! CL1S-48L-3K	250w	200w	7,236	7,288	7,377	8,123	8,193	9,662	111	111	72	3000K	3@700mA
61% SAVINGS! CL1S-16L-4K	100w	70w	3,077	3,099	3,136	3,454	3,484	3,160	39	39	89	4200K	1@700mA
50% SAVINGS! CL1S-32L-4K	175w	150w	6,042	6,085	6,159	6,782	6,841	6,206	76	76	90	4200K	2@700mA
37% SAVINGS! CL1S-48L-4K	250w	200w	9,131	9,593	9,309	10,250	10,339	9,379	111	111	93	4200K	3@700mA
61% SAVINGS! CL1S-16L-5K	100w	100w	3,053	3,075	3,113	3,731	3,457	3,166	39	39	96	5100K	1@700mA
50% SAVINGS! CL1S-32L-5K	175w	150w	6,527	6,574	6,654	7,327	7,391	6,704	76	76	96	5100K	2@700mA
37% SAVINGS! CL1S-48L-5K	250w	200w	9,864	9,935	10,056	11,073	11,169	10,132	111	111	101	5100K	3@700mA

QUICK MOUNT INSTALLATION

The Cimarron CL1S installation features:

1 Quick-mount plate attaches to pole with two 1/2" bolts

2 4 - slot hex 1/4" captured screws secure luminaire door to top

3 Safety-latch holds luminaire door to prevent "free swing" door

4 Two stage hinge mechanism built into integral arm

5 Quick-connect wiring for a simplified, hassle-free installation

For installation video scan this code or visit link below:

http://www.youtube.com/user/hubbelloutdoorbrands

.579
.875
4.962
3.5
4.962
2.625

QUICK-MOUNT PLATE

POLE TOP
2.25
.875
3.5
Ø .875 HOLE
Ø .563 2 HOLES
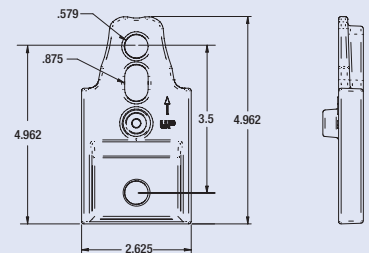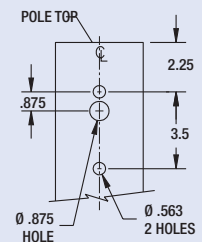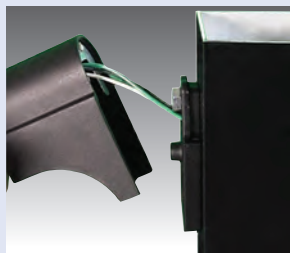
#2 DRILL PATTERN FOR POLES

FIXTURE MOUNTING – FACTORY ROTATED OPTICS

For proper light distribution and performance, rotated optics must be mounted as referenced in illustration. Consult instruction sheet included when mounting.
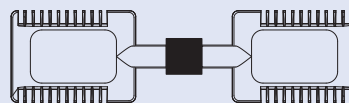
2L	Type II rotated 90° left	**2R**	Type II rotated 90° right
3L	Type III rotated 90° left	**3R**	Type III rotated 90° right
4L	Type IV rotated 90° left	**4R**	Type IV rotated 90° right

SPAULDING LIGHTING

Cimarron CL1
Area/Site Lighting

FEATURES

- Stylish vertically finned die-cast solid top housing and lower heat sink optimize heat dissipation;
- Isolated electrical compartment with integral heat sinking for cooler operation and longer driver life
- Drivers have greater than 90% power factor and less than 20% THD
- Optional continuous dimming to 10% or dual circuitry available
- Automatic thermal self protection
- Surge protection standard
- 60,000 hours life (L90 @ 40°C)*
- Shipped with upswept or straight arm for uniform look and ease of installation
- -40 deg C to 40 deg C ambient operation
- Lektrocote TGIC polyester powder coat finish
- 3000K, 80 CRI; 4200K, 70 CRI; 5100K, 67 CRI
- Stainless steel bezel(s)

- Choice of 3 high brightness LED configurations with individual acrylic lenses aimed to produce IES type II, III, IV and V distributions
- Patent pending EXO optic technology filters short wavelengths (blue light)
- Backlight control option reduces spill light behind pole by 85%, doesn't change fixture appearance or EPA
- Features exclusive wiHUBB technology
  - Wireless system for On/Off and 0-10VDC dimming control to 10% light output
  - Programmable autonomous operation
- IP65
- Listed to UL1598 and CSA C22.2#250.0-24 for wet locations
- Increased lumen ouput with use of 1050mA driver (90L only)
- DesignLights Consortium qualified
- Turtle friendly Amber available

ORDERING INFORMATION

CL1 – ☐ – ☐ – ☐ – ☐ – ☐ – ☐ – ☐

SERIES
CL1	Cimarron LED

NO. OF LEDS
90L	90 High brightness LEDs
60L	60 High brightness LEDs
30L	30 High brightness LEDs

MOUNTING
A	Arm mount construction (6" straight rigid arm included & acceptable for 90° configurations)
AD	Decorative arm mount const. (6" decorative upswept arm incl. & acceptable for 90° configurations)
MAF	Mast arm fitter for mounting to standard 2 3/8" mast arm bracket, includes 6" straight rigid arm

Notes:
1. For BL option 90L and 60L; N/A 347V & 480V
2. BL, CD and or WIH cannot be combined
3. Fuse option not available with universal voltage
4. Select F3 fusing option for 220V
5. Photocell receptacle not available with BL or WIH options
6. Recommended for Type II, III or Type IV distributions only
7. Select only when using voltage specific option (F or WIH)
8. Available in 350mA drive current only, Type IV, 5m only
9. Available in Type III and 5M only
10. Available with 120V, 277V, 347V or 480V
11. E3D only available with 90L; Dynamic EXO configuration consists of 30 EXO optics, 60 clear optics (Consult factory for control options)

ENERGY DATA
Power Factor	>.9
Total Harmonic Distortion	<20%

ACCESSORIES SEE PAGE: 203

***Projected per IESNA TM-21-11**

NOTE: All poles to be drilled with #2 pattern, FACTORY ROTATABLE OPTICS: See page 185

VOLTAGE
U[3]	Universal 120V-277V, 50/60 Hz
1[7]	120V
2[7]	208V
3[7]	240V
4[7]	277V
5	480V, 60 Hz
F	347V, 60 Hz
E[4]	220V, 50 Hz

CCT
3K	3000K, 80CRI
4K	4200K, 70CRI
5K	5100K, 67CRI
AM[8]	Amber (590 nm available for "Turtle Friendly" applications (consult factory)

EXO OPTIC

E3[9]	Static EXO Adaptive optic Technology
E3D[9,11]	Dynamic EXO Adaptive optic Technology (consult factory)

DISTRIBUTION
2	Type II	3L	Type III Rotated 90° left
3	Type III	4L	Type IV Rotated 90° left
4	Type IV	2R	Type II Rotated 90° right
5S	Type V Short	3R	Type III Rotated 90° right
5M	Type V Medium	4R	Type IV Rotated 90° right
5W	Type V Wide		
2L	Type II Rotated 90° left		

DRIVE CURRENT
	Leave blank for 700mA (standard)
035	350mA Amber CCT only
105	1050mA (use with 90L only for higher lumen output)

COLOR
DB	Dark Bronze
BL	Black
WH	White
GR	Gray
PS	Platinum Silver
RD	Red (premium color)
FG	Forest Green (premium color)
CC	Custom Color

OPTIONS
BC[6]	Backlight control
BL[1,2,5]	Bi-level control
CD[2]	Continuous dimming
WB	Wall bracket
RPA3	3" Round pole adapter
RPA4	4" Round pole adapter
RPA5	5" Round pole adapter
RPA6	6" Round pole adapter
F(X)[3,4]	Fusing (replace X with voltage: 1-120V, 2-208V, 3-240V, 4-277V, 5-480V, 6-347V)
SSB	Stainless steel LED bezel
VG	Vandal guard
PR(X)[5]	NEMA Photo cell receptacle (replace X with voltage: U=120-277, 5=480, 6 =347)
WIH[2,5,7]	In-fixture wireless control module (120, 277, 347 & 480V)

MOTION CONTROL OPTIONS
SCO[10]	No light output when no motion detected / On/Off control
SCP[10]	Programmable motion control, factory default is 50% (see page 182)

DIMENSIONS

Straight Arm

Upswept Arm

	A	B	C	D	E	F	G	EPA	Weight
CL1	6 3/4"	21 3/4"	16"	6 5/8"	6 5/16"	5 5/8"	6 1/8"	< 1.3 ft²	Approx 45 lbs.
	171mm	552mm	406mm	168mm	160mm	143mm	155mm	< 0.12 m²	Approx 20.4 kg

SPAULDING LIGHTING

PERFORMANCE INFORMATION

Series Number	Equivalency		Delivered Lumens						System Watts		Lumens Per Watt	CCT	Drivers/ Current
	MH	HPS	Type 2	Type 3	Type 4	Type 5M	Type 5S	Type 5W	120V-277V	347V-480V			
60% SAVINGS! CL1-30L-3K	150w	100w	4,606	4,668	4,686	4,858	4,902	4,601	70	87	70	3000K	2@700mA
44% SAVINGS! CL1-60L-3K	250w	200w	9,013	9,175	9,216	9,409	9,461	8,844	140	157	68	3000K	4@700mA
35% SAVINGS! CL1-90L-3K	350w	250w	13,360	13,601	13,575	13,923	14,004	13,902	210	227	66	3000K	6@700mA
16% SAVINGS! CL1-90L-3K-105	400w	350w	17,645	17,612	17,469	17,950	18,271	17,330	336	363	54	3000K	6@1050mA
72% SAVINGS! CL1-30L-4K	175w	150w	6,089	6,109	6,104	6,417	6,439	6,046	70	87	92	4200K	2@700mA
56% SAVINGS! CL1-60L-4K	320w	250w	11,583	11,468	12,036	12,038	12,581	11,807	140	157	95	4200K	4@700mA
46% SAVINGS! CL1-90L-4K	400w	400w	17,143	16,973	17,648	18,521	20,220	17,394	210	227	98	4200K	6@700mA
72% SAVINGS! CL1-90L-4K-105	750w	750w	23,896	23,912	24,199	24,583	25,357	23,128	336	363	80	4200K	6@1050mA
72% SAVINGS! CL1-30L-5K	175w	150w	6,384	6,164	6,641	7,108	6,999	6,619	70	87	101	5100K	2@700mA
56% SAVINGS! CL1-60L-5K	350w	250w	13,300	12,842	13,125	13,185	13,675	12,954	140	157	95	5100K	4@700mA
46% SAVINGS! CL1-90L-5K	400w	400w	19,684	19,006	19,202	20,592	19,610	18,973	210	227	98	5100K	6@700mA
55% SAVINGS! CL1-90L-5K-105	750w	750w	26974	25,351	26,548	25,793	27,445	25,195	336	363	80	5100K	6@1050mA

ECL1PSE
Backlight Control

For those LED projects that require minimal light behind the pole, Spaulding Lighting has a solution – ECL1PSE Backlight Control. This unique system, designed specifically for LED lighting, will virtually eliminate the light spill behind the pole and is available on Cimarron LED CL1 and CL1S models. (See CL1 and CL1S page(s) for ordering information)

- Reduce light 85% behind the pole – industry leading performance
- No change to fixture appearance or EPA
- Achieves impressive Backlight-Uplight-Glare (BUG) rating
- Neighbor-friendly lighting
- 2012 IES Progress Report Award winner

ORDERING INFORMATION – SEE CIMMARON CL1 AND CL1S ORDERING OPTIONS

OPTIONS

BC Backlight control

Type IV with Backlight Control
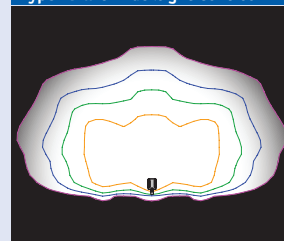
Type IV without Backlight Control

2013 PROGRESS Report SELECTION

SPAULDING
LIGHTING

Arceōs ARF1

Ultra Compact Architectural Floodlight

NEW

- Ultra compact LED flood with a variety of NEMA distributions for lighting applications such as safety/security, accent, flag pole, columns, facade, area, or signs
- NEMA distributions include: - N (3x3), M (4x4), RM (5x4) and W (6x6)
- 10 high powered LEDs deliver up to 2,285 lumens at 25w
- 5100K CCT 67 CRI, 4200K 70 CRI, 3000K 80 CRI
- Vented housing isolates LED module from driver, maximizing product life and performance

- High impact UV stabilized acrylic outer lens protects LEDs and allows for cleaning and debris removal
- Rugged die-cast aluminum housing with dark bronze finish
- Traditional ½" x 14 NPS threaded adjustable knuckle mounting
- Visor and vandal lens available
- Listed to UL1598 for use in wet locations
- DLC Qualified (4200K and 5100K CCT models only); Consult DLC website for more details: http://www.designlights.org/QPL

ORDERING INFORMATION

ARF1 - K - 10L - [ ] - 070 - [ ] - [ ] - [ ] - [ ] - [ ]

FAMILY	MOUNTING	# LEDS	LED CCT	DRIVE CURRENT	BEAM	VOLTAGE	FINISH	CONTROL OPTION	OPTIONS
ARF1 Arceos Flood Small	**K** Knuckle	**10L** 10 LED	**3K**[1] 3000K **4K** 4200K **5K** 5100K	**070** 700mA	**N** 3x3 **M** 4x4 **RM** 5x4 **W** 6x6	**U** 120V-277V **1** 120V **2** 208V **3** 240V **4** 277V	**DB** Bronze **BL** Black **WH** White **GR** Gray **PS** Platinum **FG** Forest Green **RD** Red **CC**[2] Custom Color	**PC** Photocontrol (voltage specified and determined by voltage field)	**F** Fusing 120 or 277V only (voltage determined by voltage field)

1 DLC qualification 4K and 5K models only
2 Custom colors available, contact factory

Series Number	Equivalency			Delivered Lumens	System Watts	Lumens Per Watt	Max Candle Power	Beam Pattern	CCT	Voltage	Drivers/ Current
	MH	HPS	CFL								
85% SAVINGS! ARF1-K-10L-5K	70w	70w	42w	2285	25	90	6,842	Medium	5100K	120-277V	1@700mA

See specification page for complete fixture data

ACCESSORIES/REPLACEMENT PARTS (ORDER SEPARATELY)

Catalog Number	Description
FSL-SPC	Polycarbonate lens (Replaces existing acrylic fixture lens)
FSL-VISOR-XX[1]	Top/Bottom visor (Tap holes in lens frame for field installation)
93047942AC	Acrylic lens w/ gasket
93043808	25w, 120-277V Dimming driver
20750110264	Knuckle mount Dark Bronze finish; Contact factory for additional finishes

1 Specify finish color to match fixture, e.g. DB - Bronze.

FRAME & LENS

FSL-SPC

FSL-VISOR – 3/4 View

Front View

DIMENSIONS
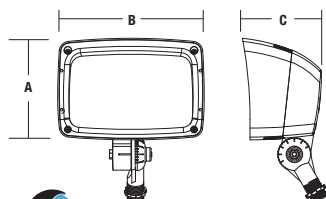
	A	B	C	Weight
ARF1	4.5" 114 mm	7.5" 190 mm	4.0" 102 mm	6 lbs. 2.7 kg
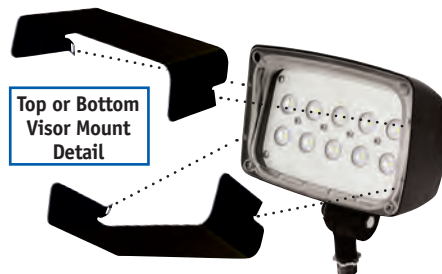
Top or Bottom Visor Mount Detail

SPAULDING LIGHTING

Arceōs **ARF2**

Compact Architectural Floodlight

NEW

- Compact LED flood with a variety of NEMA distributions for lighting applications such as safety/security, accent, flag pole, columns, facade, area, or signs
- NEMA distributions include: - N (3x3), M (4x4), RM (5x4) and W (6x6)
- 20 high powered LEDs deliver up to 4,700 lumens at 52w
- 5100K CCT 67 CRI, 4200K 70 CRI, 3000K 80 CRI
- Vented housing isolates LED module from driver, maximizing product life and performance

- High impact UV stabilized acrylic outer lens protects LEDs and allows for cleaning and debris removal
- Rugged die-cast aluminum housing with dark bronze finish
- Traditional ½" x 14 NPS threaded adjustable knuckle mounting
- Visor and vandal lens available
- Listed to UL1598 for use in wet locations
- DLC Qualified (4200K and 5100K CCT models only); Consult DLC website for more details: http://www.designlights.org/QPL

DLC QPL™ LISTED

LED lighting facts — LED Product Partner

CSA®

LED

ORDERING INFORMATION

ARF2	-	K	-	20L		-	070	-		-		-		-		-	

FAMILY	MOUNTING	# LEDS	LED CCT	DRIVE CURRENT	BEAM		VOLTAGE		FINISH		CONTROL OPTION		OPTIONS	
ARF2 Arceos Flood Medium	**K** Knuckle	**20L** 20 LED	**3K**[1] 3000K **4K** 4200K **5K** 5100K	**070** 700mA	**N** 3x3 **M** 4x4 **RM** 5x4 **W** 6x6		**U** 120V-277V **1** 120V **2** 208V **3** 240V **4** 277V		**DB** Bronze **BL** Black **WH** White **GR** Gray **PS** Platinum **FG** Forest Green **RD** Red **CC**[2] Custom Color		**PC** Photocontrol (voltage specified and determined by voltage field)		**F** Fusing 120 or 277 only (voltage determined by voltage field) **SP** 20KA/KV Surge Protector	

1 DLC qualification 4K and 5K models only
2 Custom colors available, contact factory

Series Number		Equivalency			Delivered Lumens	System Watts	Lumens Per Watt	Max Candle Power	Beam Pattern	CCT	Voltage	Drivers/Current
		MH	**HPS**	**CFL**								
85% SAVINGS!	**ARF2-K-20L-5K**	100w	100w	84w	4692	52	91.5	37,587	Narrow	5100K	120-277V	2@700mA

See specification page for complete fixture data

ACCESSORIES/REPLACEMENT PARTS (ORDER SEPARATELY)

Catalog Number	Description
FML-SPC	Polycarbonate lens (Replaces existing acrylic fixture lens)
FML-VISOR-XX[1]	Top/Bottom visor (Tap holes in lens frame for field installation)
93047961AC	Acrylic lens w/ gasket
93043808	25w, 120-277V Dimming driver
20750110264	Knuckle mount Dark Bronze finish; Contact factory for additional finishes

1 Specify finish color to match fixture, e.g. DB - Bronze.

FRAME & LENS

FSL-SPC

FSL-VISOR – 3/4 View

Front View

DIMENSIONS

Top or Bottom Visor Mount Detail

	A	B	C	Weight
ARF2	6.7" 169 mm	9.6" 244 mm	4.5" 115 mm	8.5 lbs. 3.8 kg
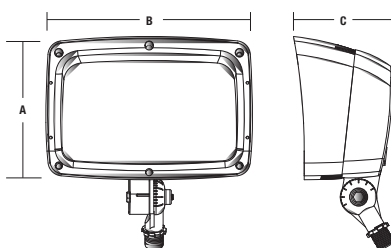
SPAULDING LIGHTING

Arceōs ARF3

Architectural Floodlight

NEW

- Rugged die-cast aluminum housing with dark bronze finish
- Tempered glass lens protects LEDs and allows for easy cleaning/debris removal
- Vented housing isolates LED module from driver, maximizing product life and performance
- Visor accessory available
- 42 high powered LEDs deliver up to 9535 lumens at 97w, 98 LPW
- 3000K 80 CRI, 4200K 70 CRI, 5100K CCT 67 CRI
- Variety of NEMA distributions - N (2x2), M (4x4), RM (5x3) and W (6x6) - for wide range of lighting applications

- 120-277V operation, 50/60Hz
- Driver 700mA, RoHS compliant and IP66
- 0-10V dimming driver
- Yoke or knuckle mount options
- 10KA surge protector option
- IP65, Listed to UL1598 for use in wet locations
- DesignLights Consortium (DLC) qualified 4K and 5K models only
- 5 year limited warranty, for more information visit: http://www.hubbelloutdoor.com/resources/warranty/

ORDERING INFORMATION

ARF3 - ☐ - ☐ - ☐ - ☐ - ☐ - ☐ - ☐ - ☐

FAMILY	MOUNTING	# LEDS	LED COLOR	DRIVE CURRENT	BEAM	VOLTAGE	MOUNTING	CONTROL OPTION	OPTIONS
ARF3 Arceos Flood Large	Y Yoke K Knuckle	42L 42 LEDs	3K[1] 3000K 4K 4200K 5K 5100K	070 700mA	N 3x3 M 4x4 RM 5x5 W 6x6	U 120V-277V 1 120V 2 208V 3 240V 4 277V	DB Bronze BL Black WH White GR Gray PS Platinum FG Forest Green RD Red CC[3] Custom Color	PC[2] Photocontrol (determined by voltage field)	F[2] Fusing 120 or 277V only (determined by voltage field) SP Surge Protector, 10KA Surge Protector

[1] DLC qualification 4K and 5K models only
[2] Must specify individual voltage for PC and Fusing options
[3] Consult factory for Custom Color option

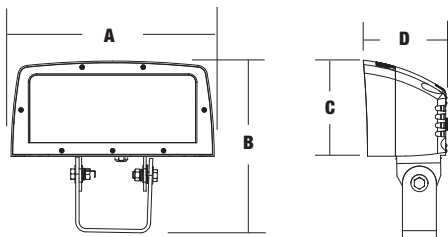| Series Number	Equivalency			Delivered Lumens	System Watts	Lumens Per Watt	Max Candle Power	Beam Pattern	CCT	Voltage	Drivers/ Current
	MH	HPS	CFL								
55% SAVINGS! ARF3-K-42L-5K-070-N	250w	250w	84w	9097	97	94	77,118	Narrow	5100K	120-277V	1@700mA

See specification page for complete fixture data

ACCESSORIES/REPLACEMENT PARTS - Order Separately

Catalog Number	Description
FLL-VISOR-XX[1]	Top/Bottom visor (Tap holes in lens frame for field installation)
93053187	96w, 120-277V Dimming driver, 700mA (1 Qty)

[1] Specify fixture color to match finish; e.g. DB Dark Bronze

---

DIMENSIONS

A	B	C	D	Weight
15"	13.5"	7.0"	6"	20.6 lbs.
380 mm	524 mm	188 mm	152 mm	9.3 kg

SPAULDING LIGHTING

Arceōs **ARF4**

Architectural Floodlight

NEW

- Rugged die-cast aluminum housing with dark bronze finish
- Tempered glass lens protects LEDs and allows for easy cleaning/debris removal
- Vented housing isolates LED module from driver, maximizing product life and performance
- Visor accessory available
- 84 high powered LEDs deliver up to 19,368 lumens at 194w, 100 LPW
- 3000K 80 CRI, 4200K 70 CRI, 5100K CCT 67 CRI
- Variety of NEMA distributions - N (2x2), M (4x4), RM (5x3) and W (6x6) - for wide range of lighting application

- 120-277V operation, 50/60Hz, 194w, 700mA
- Driver 700mA, RoHS compliant and IP66
- 0-10V dimming driver
- 20KA surge protector (over current device) option available with end of life feature
- Yoke or knuckle mount options
- IP65, Listed to UL1598 for use in wet locations
- DesignLights Consortium (DLC) qualified 4K and 5K models only
- 5 year limited warranty, for more information visit: http://www.hubbelloutdoor.com/resources/warranty/

ORDERING INFORMATION

| ARF4 | - | ☐ | - | ☐ | ☐ | - | ☐ | - | ☐ | - | ☐ | - | ☐ | - | ☐ |

FAMILY	MOUNTING	# LEDS	LED COLOR	DRIVE CURRENT	BEAM	VOLTAGE	MOUNTING	CONTROL OPTION	OPTIONS

FAMILY
ARF4 Arceos Flood Large

MOUNTING
Y Yoke
K Knuckle

 # LEDS
84L 84 LEDs

LED COLOR
3K[1] 3000K
4K 4200K
5K 5100K

DRIVE CURRENT
070 700mA

BEAM
N 3x3
M 4x4
RM 5x5
W 6x6

VOLTAGE
U 120V-277V
1 120V
2 208V
3 240V
4 277V

MOUNTING
DB Bronze
BL Black
WH White
GR Gray
PS Platinum
FG Forest Green
RD Red
CC[3] Custom Color

CONTROL OPTION
PC[2] Photocontrol (determined by voltage field)
PR Twist lock PC receptacle

OPTIONS
F[2] Fusing 120-277V (determined by voltage field)
SP Surge Protector, 20KA Surge Protector

[1] DLC qualification 4K and 5K models only
[2] Must specify individual voltage for PC and Fusing options
[3] Consult factory for Custom Color option

| Series Number | Equivalency | | | Delivered Lumens | System Watts | Lumens Per Watt | Max Candle Power | Beam Pattern | CCT | Voltage | Drivers/ Current |
	MH	HPS	CFL								
55% SAVINGS! ARF4-K-84L-5K-70-N	400w	400w	84w	18,498	194	95	153,408	Narrow	5100K	120-277V	2@700mA
55% SAVINGS! ARF4-K-84L-5K-70-M	400w	400w	84w	19,368	194	100	78,017	Medium	5100K	120-277V	2@700mA

See specification page for complete fixture data

ACCESSORIES/REPLACEMENT PARTS - Order Separately

Catalog Number	Description
FLL-VISOR-XX[1]	Top/Bottom visor (Tap holes in lens frame for field installation)
93053187	96w, 120-277V Dimming driver, 700mA (2 Qty)

[1] Specify fixture color to match finish; e.g. DB Dark Bronze

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DIMENSIONS
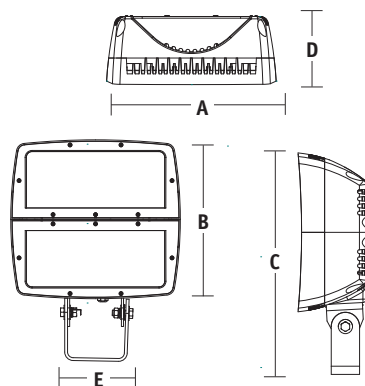
| A	B	C	D	E	Weight
15"	14.0"	20"	6.0"	5.5"	36.2 lbs.
380 mm	356 mm	498 mm	152 mm	139 mm	16.4 kg

SPAULDING LIGHTING

QSPC/TRPC/RDIC

Compact Architectural Sconces

QSPC

TRPC

RDIC

- Compact Geometric wall sconce series – QSP, TRP, RDI
- 13 LED, 23w, 1184 lumen, 5000K energy saving system, universal voltage 120-277V, 50/60Hz
- Provides excellent illumination and uniformity
- Zero uplight, dark sky, neighbor friendly
- Durable die-cast aluminum construction

- Bronze powder coat standard finishes
- LED has controlled optics with protective tempered glass outer lens for uniform distribution
- Quick-mount adapter for easy installation on recessed J-boxes
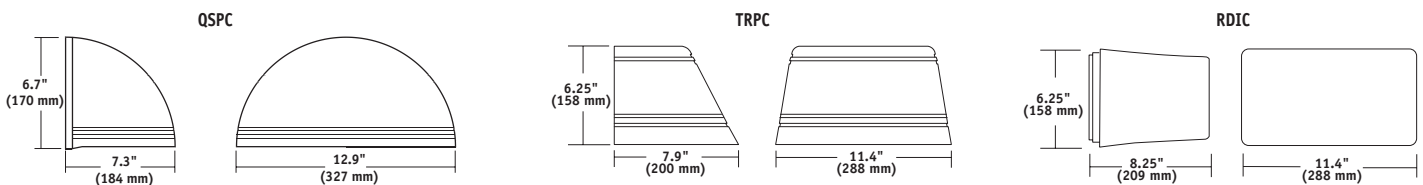- Listed to UL 1598 for use in wet locations

ORDERING INFORMATION

	-	13LU-5K	-	BZ
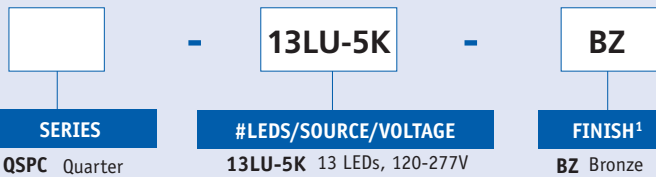
SERIES	#LEDS/SOURCE/VOLTAGE	FINISH[1]
QSPC Quarter Sphere Compact Wallpack	**13LU-5K** 13 LEDs, 120-277V	**BZ** Bronze
TRPC Trapezoid Compact Wallpack		
RDIC Radius Compact Wallpack		

1 Available in Bronze finish only

PERFORMANCE INFORMATION

Series Number	Equivalency			Delivered Lumens	System Watts	Lumens Per Watt	Mounting Height	CCT	Voltage	Drivers/ Current
	MH	HPS	CFL							
67% SAVINGS! QSPC-13LU-5K	50w	50w	42w	1,184	23	51	10-12 ft.	5000K	120-277V	1@470mA
67% SAVINGS! RDIC-13LU-5K	50w	50w	42w	1,184	23	51	10-12 ft.	5000K	120-277V	1@470mA
67% SAVINGS! TRPC-13LU-5K	50w	50w	42w	1,184	23	51	10-12 ft.	5000K	120-277V	1@470mA

DIMENSIONS

QSPC
6.7" (170 mm)
7.3" (184 mm)
12.9" (327 mm)

TRPC
6.25" (158 mm)
7.9" (200 mm)
11.4" (288 mm)

RDIC
6.25" (158 mm)
8.25" (209 mm)
11.4" (288 mm)

SPAULDING
LIGHTING
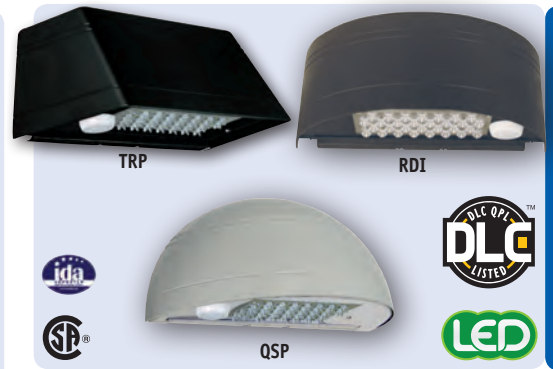
TRP/RDI/QSP

Architectural Wallpacks

- Architectural wallpack in three stylish shapes with contours to accentuate building architecture
- Provides excellent illumination and uniformity
- Durable die-cast aluminum construction
- Energy-efficient LED produces up to 5,062 lumens with up to 105 LPW efficacy
- Type II, III and IV (Foward Throw) distributions
- Quick-mount adapter for J-boxes for easy installation
- LED color temperature 3000K, 4200K, and 5100K nominal

- 4K and 5K models meet DesignLights Consortium (DLC) qualifications, consult DLC website for more details: http://www.designlights.org/QPL
- Occupancy control and photocell options available
- BBU integral battery option for 120-277V, rated for -20°C – 25°C; designed to provide minimum of 1fc in a 10' square at 10-12' mounting height
- Listed to UL1598 for use in wet locations
- Zero uplight, dark sky, neighbor friendly

TRP

RDI

QSP

ORDERING INFORMATION

☐ - **30L** - ☐ - ☐ - ☐ - ☐ - ☐ - ☐

FAMILY	# OF LEDS	CCT	DRIVE CURRENT	DISTRIBUTION	VOLTAGE	FINISH	CONTROL OPTIONS	OPTIONS
TRP Trapezoid	30L 30 High brightness LEDs	3K[4] 3000K nominal	053 525mA	2 Type II	U 120V-277V	DB Bronze	PC[1] Photocontrol (determined by voltage field)	F[1] Fusing (determined by voltage field)
RDI Radius		4K 4200K nominal	035 350mA	3 Type III	1[1] 120V	BL Black		
QSP Quartersphere		5K 5100K nominal		4 Type IV	2[1] 208V	FG Forest Green	SCO[5] Motion sensor On/Off control, No light output when no motion detected	BBU Integral battery for 120-277V rated for -20°C (Must specify individual voltage)
					3[1] 240V	GR Gray		
					4[1] 277V	PS Platinum	SCP[2,5] Programmable motion control, factory default is 50% when no motion detected (See page 183)	
						RD Red		
						WH White		
						CC[3] Custom Color		

[1] Must specify individual voltage for PC and Fusing options
[2] 0-10V fully adjustable dimming with automatic daylight calibration and different time delay settings, must order minimum of one remote to program dimming settings, consult factory for details, not available in 208V
[3] Consult factory for Custom Color option
[4] DLC qualification 4K and 5K models only
[5] PC option not applicable, included in sensor. For SCP, PC function turns on to lower setting until motion is detected
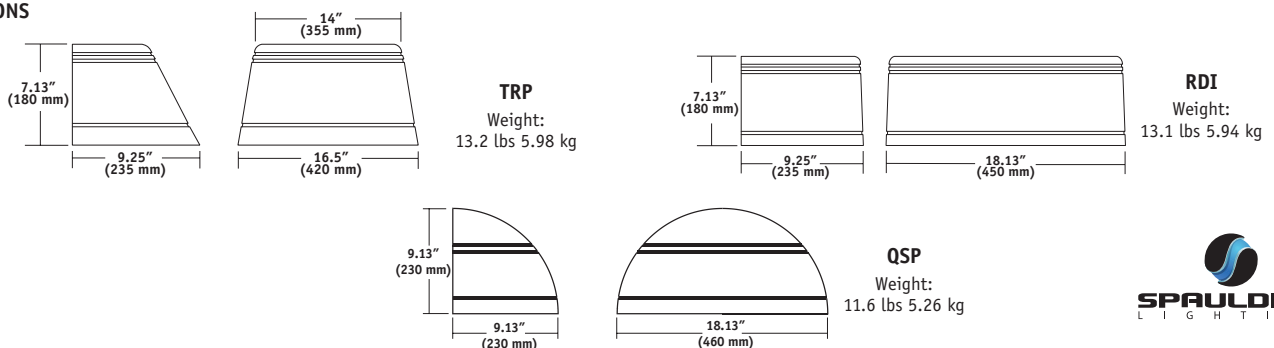
ACCESSORIES (ORDER SEPARATELY)

Catalog Number	Description
SCP-REMOTE[2]	Remote control for SCP option. Order at least one per project to program and control

PERFORMANCE INFORMATION

Series Number	Equivalency			Delivered Lumens	System Watts	Lumens Per Watt	Mounting Height	CCT	Voltage	Drivers/ Current
	MH	HPS	CFL							
73% SAVINGS! TRP-30L5K-053/RDI-30L5K-053	175w	200w	2x42w	5,062	53	96	15-20 ft.	5100K	120-277V	1@525mA
78% SAVINGS! TRP-30L5K-035/RDI-30L5K-035	150w	150w	2x42w	3,583	34	105	12-15 ft.	5100K	120-277V	1@350mA

DIMENSIONS

7.13" (180 mm) 9.25" (235 mm) 14" (355 mm) 16.5" (420 mm)

TRP Weight: 13.2 lbs 5.98 kg

7.13" (180 mm) 9.25" (235 mm) 18.13" (450 mm)

RDI Weight: 13.1 lbs 5.94 kg

9.13" (230 mm) 9.13" (230 mm) 18.13" (460 mm)

QSP Weight: 11.6 lbs 5.26 kg

SPAULDING LIGHTING

193

Laredo LMC

Medium-Size Wallpack

Laredo 30 LED medium size wallpack offers both wide spacing and excellent uniformity. The 30 LED unit is available in lumen packages ideal for mounting heights from 12 to 18 feet, providing spacings of up to five times the mounting height. The 30 LED unit is available in a Type II, III or forward throw Type IV beam.

The fixture is constructed of durable die-cast aluminum housing and door. The Laredo features a quick-mount adapter that allows installation without ever opening the fixture. Save on installation time, fixture maintenance and energy!

LMC-30LU Egress Wallpack:
Designed to meet strict 1fc minimum requirements. At 12ft mounting height 1fc covers 16x16ft area, well beyond the 10x10ft standard. 43.5w - 350mA drives 30LEDs at 2700 lumens at full power/ 2046 average lumens in battery mode. Outer clear impact resistant glass lens protects LED lenses. No uplight, external test button, quick mount, wet location listed.

APPLICATIONS
Zero uplight, IDA compliant perimeter lighting. Listed to UL1598 for use in wet locations when mounted aimed down.

ORDERING INFORMATION - STANDARD CONFIGURATIONS

LMC - ☐ - ☐ - ☐ - ☐ - ☐ - ☐

SERIES	NUMBER OF LEDS/SOURCE/VOLTAGE	CCT	IES DISTRIBUTION	DRIVE CURRENT	FINISH	OPTIONS
LMC Laredo Medium Cut-off	**30LU** 30 LEDs, Universal voltage 120-277V **30LF** 30 LEDs, 347V **30L5** 480V	**3K** 3000K nominal, 80 CRI **4K** 4200K nominal, 70 CRI **5K** 5100K nominal, 67 CRI	**2** Type II **3** Type III **4** Type IV (Forward throw)	**BLANK** Std. is 700mA **035** 350mA	**1** Bronze **2** Black **3** Gray **4** White **5** Platinum	**PC(X)**[1] Photocontrol **F**[1] Fusing (voltage determined by voltage field) **SCO** Motion sensor On/Off control, No light output when no motion detected **SCP** Programmable motion control, factory default is 50% **WIH** In fixture wireless control module

1 PC(X) Replace X with 1-120V, 2-208V, 3-240V, 4-277V

PERFORMANCE INFORMATION

Series Number	Equivalency			Delivered Lumens	System Watts	Lumens Per Watt	Mounting Height	CCT	Voltage	Drivers/Current
	MH	HPS	CFL							
71% SAVINGS! LMC-30L	250w	250w	2x42w+	6,023	71.7	84	15-18 ft.	5100K	120-277V	2@700mA
77% SAVINGS! LMC-30L-035	150w+	150w+	2x42w+	3,448	35.4	97.4	12-15 ft.	5100K	120-277V	1@350mA

ACCESSORIES/REPLACEMENT PARTS - Order Separately

Catalog Number	Description
LMC-SPC	Polycarbonate shield
PBT-1	120V button photocontrol
PBT-234	208/240/277V button photocontrol

Catalog Number	Description
93044764	40w, 700mA, 120-277V, 0-10V dimming driver
93022563	10 KVA surge protector

ORDERING INFORMATION - EGRESS LAREDO LMC

LMC - 30LU - ☐ - 3 - 035 - ☐ - ☐

SERIES	NUMBER OF LEDS/SOURCE/VOLTAGE	CCT	IES DISTRIBUTION	DRIVE CURRENT	FINISH	OPTIONS
LMC Laredo Medium Cut-off	**30LU** 30 LEDs, 43w, Universal voltage 120-277V	**3K** 3000K nominal **4K** 4200K nominal **5K** 5100K nominal	**3** Type III	**035** 350mA	**1** Bronze **2** Black **3** Gray **4** White **5** Platinum	**BBU277**[2] Intergral battery for 120-277V, rated for -20˚ C ambient **BOC277**[2] Intergral battery for 120-277V, rated for 0˚ C ambient **PC(X)**[1] Photocontrol

LMC-30LU BBU/BOC
2 2,046 lumens at 10w for 5K CCT in battery mode

	A	B	C
	16"	12.125"	9.0"
	406 mm	308 mm	229 mm

SPAULDING LIGHTING
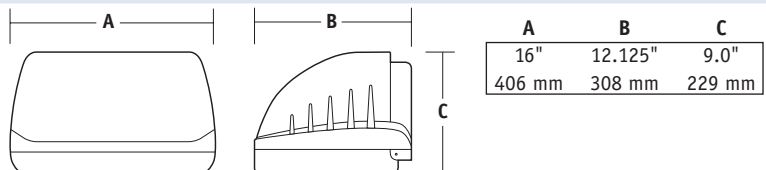
Hercules® HVS

Decorative Vandal Resistant Luminaires

- Opal polycarbonate lens retained with cast aluminum door/trim frame and gasketed to housing; Allen head tamper-resistant screws standard
- Two sizes (HVS/HVL) for proper scale; Cast aluminum housing with lag mount for durability; Cast trims provide styling and added protection
- Opal lens provides a soft uniform Type V distribution; Wattage/source selections allow the designer to select the desired footcandle level

- Powder paint finishes accent building trim and protect your investment; Standard color is dark bronze
- Listed to UL1598 for use in wet locations

ORDERING INFORMATION: HVS COMPACT SERIES

Catalog Number	Style	Wattage	Source	Voltage	Finish
HVSO-6LU-5K-1	Opal Lens	15w	LED	120-277V	Bronze
HVSG-6LU-5K-1	Guard	15w	LED	120-277V	Bronze
HVSH-6LU-5K-1	Hood	15w	LED	120-277V	Bronze

REPLACEMENT PART
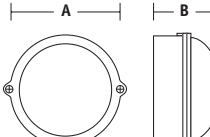
Catalog Number	Description
264-0400-9903	Replacement lens only for HVS units

PERFORMANCE INFORMATION

Series Number	Equivalency			Delivered Lumens	System Watts	Lumens Per Watt	Mounting Height	CCT	Voltage	Drivers/ Current
	INC	HPS	CFL							
BRLU/HVS	100w	50w	28w	830	15.2	55	Up to 10 ft.	5000K	120-277V	1@700mA

84% SAVINGS!

DIMENSIONS

	A	B
HVSO	10 1/10"	5"
	257 mm	127 mm
All Others	10 1/10"	5 1/2"
	257 mm	140 mm

SPAULDING
LIGHTING

Arceōs ARS

Surface/Ceiling/Garage Luminaire

- For ceiling mount, parking garage, tunnel and walkway applications from an 8-18 foot mounting height; A wide range of lumen packages and optical distributions are available making the ARS Series luminaire both versatile and functional
- Die cast aluminum housing features horizontal and vertical fins for two directional air flow that maximizes heat dissipation and ensures long electrical component life and luminaire performance
- Individual LED lenses offer three distribution types: Type V Square (5M), Type V Rectangular (5R) or Type IV (4)
- The ARS's hexagonal LED cluster design provides optical flexibility and light level scalability from a compact luminaire

- Choice of multiple light outputs based on quantity of hexagonal LED arrays: 3 = 18 LEDs, 4 = 24 LEDs or 6 = 36 LEDs hexagonal LED modules, lumen range 4,000-8,600
- 0-10V dimming drivers
- Lumens per watt > 92-102
- Choice of 7 finishes provides durable and lasting appearance
- IP65, Listed to UL 1598 for use in wet locations
- Occupancy, photocell, and wiHUBB wireless controls available for complete on/off and dimming operation

ORDERING INFORMATION

| ARS | - | | | - | | - | | - | | - | |

SERIES	NUMBER OF LEDS	LED COLOR	DRIVE CURRENT	IES DISTRIBUTION	VOLTAGE[2]	FINISH	OPTIONS
ARS Arceos surface/ceiling/garage luminaire	**18L**[1] 18 LEDs **24L** 24 LEDs **36L** 36 LEDs	**4K** 4200K **5K** 5100K	**070** 700mA **083**[1] 833mA	**5M** Type V Square **5R** Type V Rectangle **4** Type IV	**U** 120V-277V **1** 120V **2** 208V **3** 240V **4** 277V	**DB** Bronze **BL** Black **WH** White **PS** Platinum Silver **GR** Gray **FG** Forest Green **RD** Red **CC** Custom Colors (consult factory)	**PC**[2] Photocontrol (voltage specified and determined by voltage field) **WIH** In fixture wireless control, consult factory **F**[2] Fusing (voltage specified and determined by voltage field)

MOTION CONTROL OPTIONS

SCO[3] On/Off control - No light output when no motion detected
SCP[3] High/low control - user programmable settings; Factory default is 50%
SCOW[3] On/Off control - wide lens for up to 16' mounting heights
SCPW[3] High/low control - wide lens for up to 16' mounting heights

ACCESSORIES - ORDER SEPARATELY

Catalog Number	Description
ARS-SPC[4]	Vandal shield (1 per LED module)
ARS-BS-XX[2]	Bird shield
ARS-CS[4]	Comfort shield - Reduces source brightness and imagining P95 acrylic with nominal 24% lumen reduction (1 per LED module)

DIMENSIONS
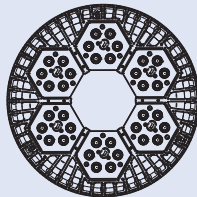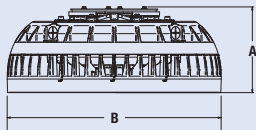
	A	B	Weight
	5.68" (144.22 mm)	14.00" (355.6 mm)	18.00 lbs 8.16 kg

[1] 833 only available in 18L
[2] Specify voltage for voltage specific options (only 120V or 277V available for Fusing) consult factory for 347V and 480V
[3] Consult factory when combining control options
[4] One per LED module e.g. 3 – 18L, 4 – 24L, and 6 – 36L luminaires (see page spec sheet)

PERFORMANCE INFORMATION

Series Number	Equivalency			Number of LEDs	Delivered Lumens		System Watts	Lumens Per Watt	Mounting Height	Voltage	Drivers/ Current
	MH	HPS	IND		4200K	5100K					
57% SAVINGS! ARS-18LU-5R	70w	70w	70w	18	4508	4725	54.4	87	8 - 18 ft.	120-277V	1@833mA
62% SAVINGS! ARS-24LU-5R	100w	100w	85w	24	5375	5800	57	102	8 - 18 ft.	120-277V	2@700mA
43% SAVINGS! ARS-36LU-5R	150w	150w	100w	36	8030	8604	86	100	8 - 18 ft.	120-277V	3@700mA
57% SAVINGS! ARS-18LU-5M	70w	70w	70w	18	4208	4425	54.4	81	8 - 18 ft.	120-277V	1@833mA
62% SAVINGS! ARS-24LU-5M	100w	100w	85w	24	5012	5485	57	96	8 - 18 ft.	120-277V	2@700mA
43% SAVINGS! ARS-36LU-5M	150w	150w	100w	36	7439	8203	86	95	8 - 18 ft.	120-277V	3@700mA
57% SAVINGS! ARS-18LU-4	70w	70w	70w	18	4083	4300	54.4	79	8 - 18 ft.	120-277V	1@833mA
62% SAVINGS! ARS-24LU-4	100w	100w	85w	24	4986	5360	57	94	8 - 18 ft.	120-277V	2@700mA
43% SAVINGS! ARS-36LU-4	150w	150w	100w	36	7522	7962	86	93	8 - 18 ft.	120-277V	3@700mA

Arceōs **ARS Controls**

ARS LED luminaire with passive infrared motion sensor control option (individual luminaire control)

LED luminaires with motion sensor option can be configured to illuminate from low to high power or off to on when motion is detected. Luminaire will return to off or low when motion is no longer detected.

Examples & Design Considerations

• Digital Passive Infrared (PIR) sensor with dual element pyrometer and spherical fresnel lens for detection of major human motion/activity; The pyro detects the difference in the IR energy radiated from the background versus the moving object. The lens divides the coverage area into multiple zones. Dectection is dependent on movement between zones (see coverage pattern below). Objects in path of sensor line of sight can limit coverage.

• High/low or on/off capability available

• User programmable low settings of 70, 60, 50, 20 percent of power; Factory default is 50% of power

• 360° sensor range

• 16 ft. maximum mounting height indoors (wide lens standard)

• Low temperature (-30°C to 40°C maximum) indoor-outdoor sensors

• User programmable sensor setting mode (test/normal)

• Time out delay is field adjustable; User programmable settings of 4, 6, 8 & 30 min; Factory default setting is 8 minutes

• All units equipped with daylight harvesting which can be user enabled. Factory default setting is disabled; Ambient light range is user selectable from 1-50 FC; Daylight harvesting feature has precedence over motion control turning fixture completely on or off

• Sensor conforms to UL Standard 508, UL Standard 244A & IP65

• Conforms to California Title 24/ASRAE 90.1/CBEA

Examples & Design Considerations

• Start up delay from initial motion detection to fixture illumination is approximately 1-2 seconds

• Vehicle detection is possible however less reliable than human detection; Vehicle detection is dependent upon the following: rate of speed, mounting height of luminaire and vehicle back ground temperature (see coverage pattern below)
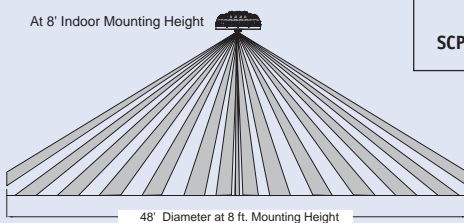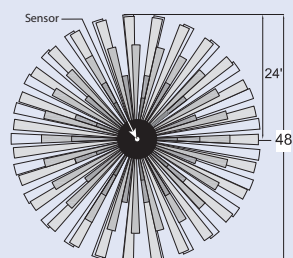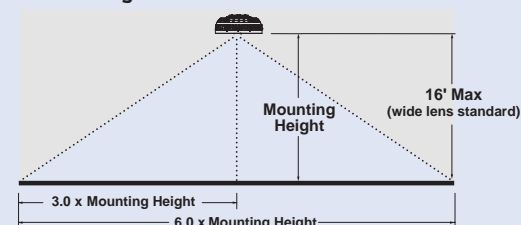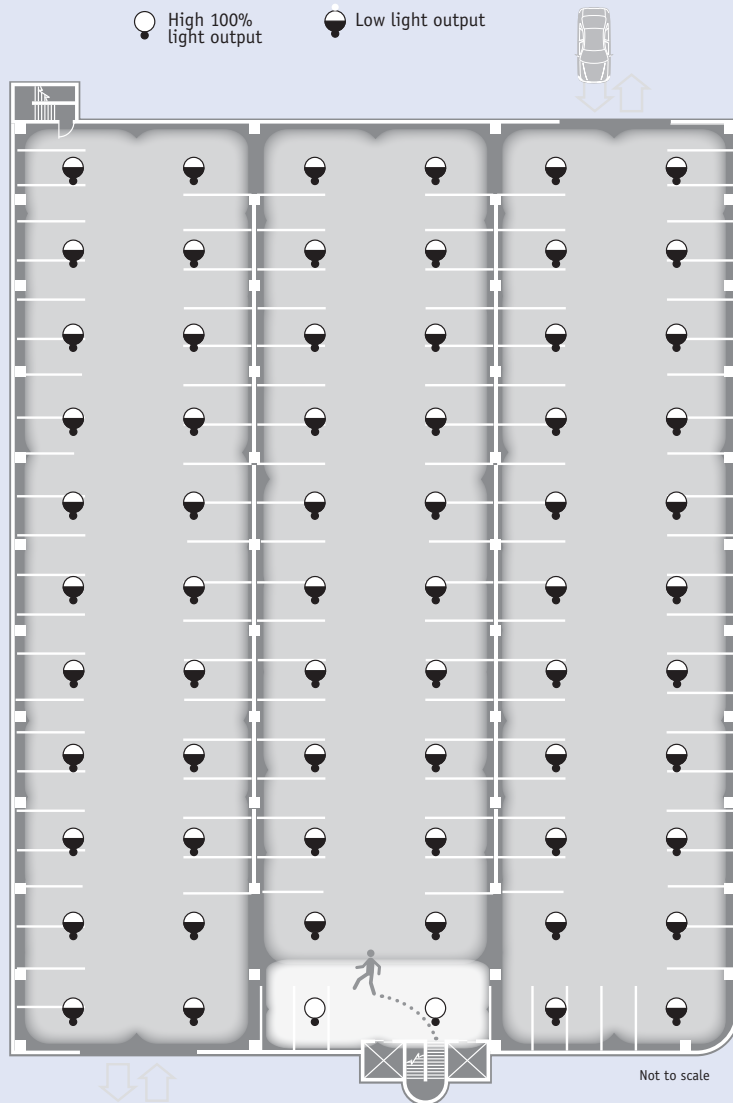
Luminaire with passive infrared sensor control

High 100% light output   Low light output

Not to scale

Sensor Range

16' Max (wide lens standard)

Mounting Height

3.0 x Mounting Height

6.0 x Mounting Height

Sensor

24'

48'

At 8' Indoor Mounting Height

48' Diameter at 8 ft. Mounting Height

Examples

• Luminaires installed at a typical 8 ft mounting height results in a 24 ft detection radius (48 ft. diameter). A vehicle moving 10 mph travels a distance of 15 ft per second. As a result illumination may not occur until vehicle is under luminaire.

• A pedestrian moving 3 mph travels a distance of 4.5 ft per second. As a result illumination would occur when pedestrian is within 15-20 ft of the luminaire.

Ordering Information

ARS luminaires offers the following motion sensor options:

SCO – On/Off control - No light output when no motion detected
Reference ARS specification page for additional ordering information

SCP – High/Low control – user programmable; Factory default is 50%

SPAULDING LIGHTING

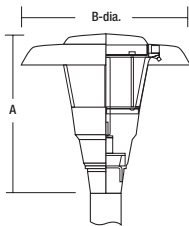# Peachtree PT

Post Top Luminaire

- Spun aluminum hood, hinges up for relamping
- Cast aluminum base and slipfitter with steel rods to secure lens and hood
- Borosilicate glass refractors provide Type III or V round light patterns; Polycarbonate refractor provides Type V round light pattern
- Cast aluminum fitters for 3" OD pole top or 2.375" OD tenon; secured by set screws in fitter
- 28 high brightness LEDs at 700mA delivers symmetric distribution at 64w, providing up to 4010 delivered lumens; 4200K and 5100K color temperatures

- 50,000 hour LED rating L70 at 25˚C
- Universal voltage driver (120-277V) with +/- 10% tolerance, starting temperature rate -20˚F
- Durable Lektrocote® TGIC thermoset polyester powder coat paint finish assures long life and maintenance-free service
- Listed to UL1598 for use in wet locations

ORDERING INFORMATION

PT	-		-		-				-	
SERIES		**MOUNT**		**SOURCE/WATTAGE/CCT**		**LENS**	**VOLTAGE**	**COLOR**		**OPTIONS**

SERIES
PT Peachtree

MOUNT
2F Post-top mount (2 3/8" tenon)
3F Post-top mount (3" tenon)

SOURCE/WATTAGE/CCT
28L4K 28 LEDs, 64w symmetric distribution, 120-277V, 50/60Hz, 4200K, 70 CRI
28L5K 28 LEDs, 64w symmetric distribution, 120-277V, 50/60Hz, 5100K, 67 CRI

LENS
VP Type 5 polycarbonate refractor
VG Type 5 glass refractor (standard)
3G Type 3 glass refractor

VOLTAGE
U Universal 120V-277V 50/60Hz

COLOR
DB Dark Bronze
BL Black
WH White
GR Gray
PS Platinum Silver
RD Red (premium color)
FG Forest Green (premium color)
CC Custom Color (consult factory)

OPTIONS
PR(X) Photocell Receptacle (replace X with voltage: 1-120, 2-208, 3-240, 4-277)

DIMENSIONS

	A	B	EPA	Weight
	24"	23 1/4"	2.4 ft²	30 lbs.
PT	610 mm	591 mm	0.2 m²	13.6 kg

Peachtree Retrofit module - PTR

ORDERING INFORMATION

- Retrofits existing Peachtree HID/HPS systems
- 28 high brightness LEDs at 700mA delivers symmetric distribution at 64w, providing up to 4010 delivered lumens; 4200K and 5100K color temperatures
- Long life 50,000 hour LED rating L70 at 25˚C
- Universal voltage driver (120-277V) with +/- 10% tolerance, starting temperature rate -20˚F

PTR	-	
SERIES		**SOURCE**

SERIES
PTR Peachtree LED Retrofit

SOURCE
28LU4K 28 LEDs, 64w symmetric distribution, 120-277V, 50/60Hz, 4200K
28LU5K 28 LEDs, 64w symmetric distribution, 120-277V, 50/60Hz, 5100K

SPAULDING
LIGHTING

Vandalia VA

Post Top Luminaire

- Cast aluminum ribbed frame and fitter assembly; Spun aluminum top cover with single screw access to re-lamp
- Polycarbonate refractor provides Type V round light pattern
- Cast aluminum fitters; internal mount for 4.5" OD pole, secured by internal cast expansion fitter; slipfitter mount for 2.375" OD tenon, secured by set screws in fitter
- LED – 4200K or 5100K color temperature

- 42 high brightness LEDs at 700mA deliver symmetric distribution at 110w, providing up to 1670 delivered lumens
- 50,000 hour LED rating L70 at 25°C
- Universal voltage driver (120-277V) with +/- 10% tolerance, starting temperature rated -20°F
- Durable Lektrocote® TGIC thermoset polyester powder coat paint finish assures long life and maintenance-free service
- Listed to UL1598 for use in wet locations

ORDERING INFORMATION

VA	-		-		-		-		-	

SERIES	MOUNT	SOURCE/WATTAGE/CCT	LENS	COLOR	OPTIONS
VA Vandalia	2F Post-top mount (2 3/8" tenon) F45 Internal fitter (4 1/2" round pole)	42LU4K 42 LEDs 110w, 120-277V, 50/60hz, 4200K, 70 CRI 42LU5K 42 LEDs 110w, 120-277V, 50/60hz, 5100K, 67 CRI	VP Type 5 polycarbonate refractor IIP Type 2 polycarbonate refractor	DB Dark Bronze BL Black WH White GR Gray PS Platinum Silver RD Red (premium color) FG Forest Green (premium color) CC Custom Color (consult factory)	P(X) Photo button (replace X with voltage: 1-120, 2-208, 3-240, 4-277)

DIMENSIONS
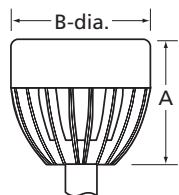
	A	B	EPA	Weight
	18"	20"	2.8 ft²	47 lbs.
VA	457 mm	508 mm	0.3 m²	21.3 kg

SPAULDING LIGHTING

Tempe TM

Bollards

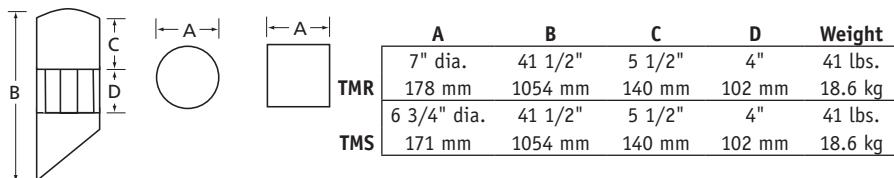**BOLLARDS**

TEMPE ROUND **TEMPE SQUARE**

- Rotatable LED assembly adjustment for ideal placement and aiming of asymmetric light pattern
- 24 high brightness LEDs at 500mA deliver symmetric distribution at 46w
- 12 high brightness LEDs at 700mA deliver asymmetric distribution at 30w
- Available in two different color correlated temperatures (3500K and 5100K)
- 50,000 hour L70 rated at 25°C
- Extruded aluminum housing with single screw access for top relamping; Decorative cast top with tamper resistant hardware

- Sealed one-piece, clear acrylic lens
- Durable Lektrocote® TGIC thermoset polyester powder coat paint finish assures long life and maintenance-free service
- Concealed, galvanized steel anchor base; Four 1/2" x 10" anchor bolts on 4" diameter bolt circle
- Listed to UL1598 for use in wet locations
- 5 year limited system warranty

ORDERING INFORMATION

SERIES		SOURCE/WATTAGE/LED		COLOR		OPTIONS	
TMR	Tempe Round	**12LU-3K**	12 LEDs, 30w, asymmetric distribution, 3500K, 120-277V, 50/60 Hz	**DB**	Dark Bronze	**F(X)**	Fusing (replace X with voltage: 1-120V, 2-208V, 3-240V, 4-277V)
TMS	Tempe Square			**BL**	Black		
		12LU-5K	12 LEDs, 30w, asymmetric distribution, 5000K, 120-277V, 50/60 Hz	**WH**	White	**P(X)**	Photo button (replace X with voltage: 1-120V, 2-208V, 3-240V, 4-277V)
				GR	Gray		
				PS	Platinum Silver		
		24LU-3K	24 LEDs, 46w, symmetric distribution, 3500K, 120-277V, 50/60 Hz	**RD**	Red (premium color)	**24**	24" luminare height
				FG	Forest Green (premium color)	**30**	30" luminaire height
		24LU-5K	24 LEDs, 46w, symmetric distribution, 5000K, 120-277V, 50/60 Hz	**CC**	Custom Color (consult factory)	**36**	36" luminaire height
						CD	Continuous dimming
						PAB	Pre-ship anchor bolts

Series Number		Equivalency			Delivered Lumens	System Watts	Lumens Per Watt	Distribution	CCT	Voltage	Drivers/ Current
		MH	HPS	CFL							
57% SAVINGS!	TMR-12LU-3K	70w	70w	42w	1,080	30	36	Asymmetric	4200K	120-277V	1@700mA
57% SAVINGS!	TMR-12LU-5K	70w	70w	42w	1,543	30	51	Asymmetric	5100K	120-277V	1@700mA
54% SAVINGS!	TMR-24LU-3K	100w	100w	42w	1,720	46	37	Symmetric	4200K	120-277V	2@520mA
54% SAVINGS!	TMR-24LU-5K	100w	100w	42w	2,622	46	51	Symmetric	5100K	120-277V	2@520mA
57% SAVINGS!	TMS-12LU-3K	70w	70w	42w	1,010	30	35	Asymmetric	4200K	120-277V	1@700mA
57% SAVINGS!	TMS-12LU-5K	70w	70w	42w	1,093	30	36	Asymmetric	5100K	120-277V	1@700mA
54% SAVINGS!	TMS-24LU-3K	100w	100w	42w	1,644	46	36	Symmetric	4200K	120-277V	2@520mA
54% SAVINGS!	TMS-24LU-5K	100w	100w	42w	1,947	46	42	Symmetric	5100K	120-277V	2@520mA

DIMENSIONS

	A	B	C	D	Weight
TMR	7" dia.	41 1/2"	5 1/2"	4"	41 lbs.
	178 mm	1054 mm	140 mm	102 mm	18.6 kg
TMS	6 3/4" dia.	41 1/2"	5 1/2"	4"	41 lbs.
	171 mm	1054 mm	140 mm	102 mm	18.6 kg

SPAULDING LIGHTING

Fresno FN
Bollards

- Rotatable LED assembly adjustment for ideal placement and aiming of asymmetric light pattern
- 24 high brightness LEDs at 500mA deliver symmetric distribution at 46w
- 12 high brightness LEDs at 700mA deliver asymmetric distribution at 30w
- Available in two different color correlated temperatures (3500K and 5100K)
- 50,000 hour L70 rated at 25˚C
- Extruded aluminum housing with single screw access for top relamping; Decorative cast top with tamper resistant hardware

- Sealed one-piece, clear acrylic lens
- Durable Lektrocote® TGIC thermoset polyester powder coat paint finish assures long life and maintenance-free service
- Concealed, galvanized steel anchor base; Four 1/2" x 10" anchor bolts on 4" diameter bolt circle
- Listed to UL1598 for use in wet locations
- 5 year limited system warranty

FRESNO SQUARE   FRESNO ROUND

ORDERING INFORMATION

☐ - ☐ - ☐ - ☐

SERIES	SOURCE/WATTAGE/LED	COLOR	OPTIONS

SERIES

FN1 Fresno Square
FN2 Fresno Round

SOURCE/WATTAGE/LED

12LU-3K 12 LEDs, 30w, asymmetric distribution, 3500K, 120-277V, 50/60 Hz

12LU-5K 12 LEDs, 30w, asymmetric distribution, 5000K, 120-277V, 50/60 Hz

24LU-3K 24 LEDs, 46w, symmetric distribution, 3500K, 120-277V, 50/60 Hz

24LU-5K 24 LEDs, 46w, symmetric distribution, 5000K, 120-277V, 50/60 Hz

COLOR

DB Dark Bronze
BL Black
WH White
GR Gray
PS Platinum Silver
RD Red (premium color)
FG Forest Green (premium color)
CC Custom Color (consult factory)

OPTIONS

F(X) Fusing (replace X with voltage: 1-120V, 2-208V, 3-240V, 4-277V)
P(X) Photo button (replace X with voltage: 1-120V, 2-208V, 3-240V, 4-277V)
24 24" luminare height
30 30" luminaire height
36 36" luminaire height
CD Continuous dimming
PAB Pre-ship anchor bolts

Series Number	Equivalency			Delivered Lumens	System Watts	Lumens Per Watt	Distribution	CCT	Voltage	Drivers/Current
	MH	HPS	CFL							
FN1-12LU-3K	70w	70w	42w	1,080	30	36	Asymmetric	4200K	120-277V	1@700mA
FN1-12LU-5K	70w	70w	42w	1,543	30	51	Asymmetric	5100K	120-277V	1@700mA
FN1-24LU-3K	100w	100w	42w	1,720	46	37	Symmetric	4200K	120-277V	2@520mA
FN1-24LU-5K	100w	100w	42w	2,622	46	51	Symmetric	5100K	120-277V	2@520mA
FN2-12LU-3K	70w	70w	42w	1,010	30	35	Asymmetric	4200K	120-277V	1@700mA
FN2-12LU-5K	70w	70w	42w	1,093	30	36	Asymmetric	5100K	120-277V	1@700mA
FN2-24LU-3K	100w	100w	42w	1,644	46	36	Symmetric	4200K	120-277V	2@520mA
FN2-24LU-5K	100w	100w	42w	1,947	46	42	Symmetric	5100K	120-277V	2@520mA

(57% SAVINGS!, 57% SAVINGS!, 54% SAVINGS!, 54% SAVINGS!, 54% SAVINGS!, 54% SAVINGS!, 57% SAVINGS!, 57% SAVINGS!)

DIMENSIONS
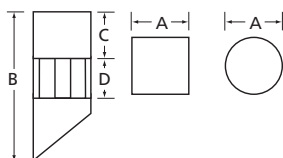
	A	B	C	D	Weight
FN1	6 3/4" sq.	42"	6"	4"	41 lbs.
	171 mm	1067 mm	152 mm	102 mm	18.6 kg
FN2	7" dia.	42"	6"	4"	41 lbs.
	178 mm	1067 mm	152 mm	102 mm	18.6 kg

SPAULDING LIGHTING

BOLR/BOLS

LED Retrofit Kit
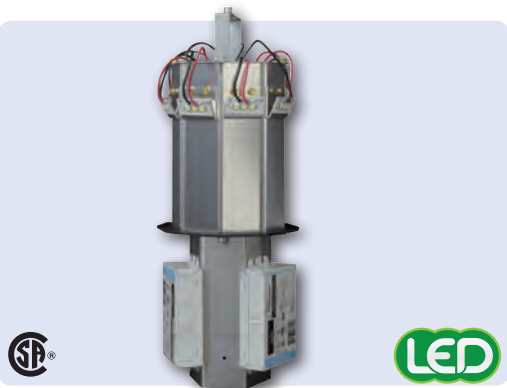
- LED retrofit kit fits Fresno, Modesto or Tempe bollards
- Easy installation process, retrofit existing HID or CFL systems in 10 minutes or less
- Features 12 or 24 high brightness, energy-efficient LEDs
- Available in two different color correlated temperatures (3500K and 5100K)
- 12 LED system: 700mA, asymmetric distribution, 31w
- 24 LED system: 500mA, symmetric distribution 46w
- 50,000 hr L70 rated at 25˚ C
- Optional continuous dimming to 10% (0-10V)

ORDERING INFORMATION

SERIES	LED PLATFORM	VOLTAGE	CCT	OPTIONS	ACCESSORIES
BOLR LED Retrofit Kit - Round	**24L** 24 LEDs, 46w, symmetric distribution, 120-277V, 50/60 Hz	**U** Universal 120 - 277V, 50/60 Hz	**3K** 3500K	**F1** Fusing - 120V	**BOLR-LENS**[1] Round replacement lens
BOLS LED Retrofit Kit - Square	**12L** 12 LEDs, 31w, asymmetric distribution, 120-277V, 50/60 Hz	**1** 120V	**5K** 5100K	**F2** Fusing - 208V	**BOLS-LENS**[1] Square replacement lens
		2 208V		**F3** Fusing - 240V	
		3 240V		**F4** Fusing - 277V	
		4 277V		**CD**[2] Continuous dimming	

1   Required for Modesto bollard
2   Dimming control by others

For installation video scan this code or visit link below:

http://www.youtube.com/user/hubbelloutdoorbrands

DIMENSIONS
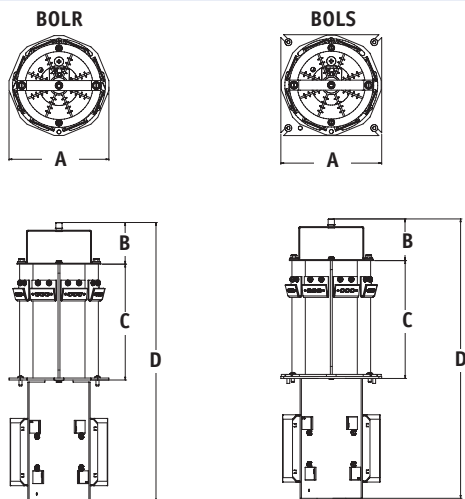
BOLR

BOLS

	A	B	C	D	Weight
BOLR	6.3" dia.	2.6"	7.25"	17.5"	5.35 lbs.
	158 mm	66 mm	184 mm	444 mm	2.43 kg
BOLS	6.3" dia.	2.6"	7.4"	17.5"	5.35 lbs.
	160 mm	66 mm	187 mm	444 mm	2.43 kg

SPAULDING
LIGHTING

Mounting Accessories

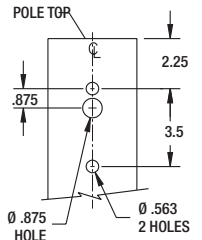## CIMARRON CL1 ACCESSORIES (ORDER SEPARATELY)

CR-RPAX-XX **MAF**

Catalog Number	Description
CR-RPA3-XX[1]	Round pole adapter for straight arm ($3^{1}/4$ - $3^{3}/4$")
CR-RPA4-XX[1]	Round pole adapter for straight arm ($3^{7}/8$ - $4^{1}/2$")
CR-RPA5-XX[1]	Round pole adapter for straight arm (5")
CR-RPA6-XX[1]	Round pole adapter for straight arm (6")
CRD-RPA2-XX[1]	Round pole adapter for upswept arm ($2^{3}/4$ - $3^{1}/8$")
CRD-RPA3-XX[1]	Round pole adapter for upswept arm ($3^{1}/4$ - $3^{3}/4$")
CRD-RPA4-XX[1]	Round pole adapter for upswept arm ($3^{7}/8$ - $4^{1}/2$")
CRD-RPA5-XX[1]	Round pole adapter for upswept arm (5")
CRD-RPA6-XX[1]	Round pole adapter for upswept arm (6")
WB-CR-XX[1]	Wall bracket
TPLB-XX[1]	Twin parallel luminaire bracket
MAF-CL-XX[2]	Horizontal mast arm fitter for 2 3/8" OD arm. Mounts to standard 6" arm (ordered with fixture)

ADJUSTABLE MOUNTING ARMS

ARM-CL-K-S-XX Adjusts in 4° increments   **ARM-CL-TK-TA-XX** Adjusts in 4° increments

Catalog Number	Description	EPA ft² (m²)	Weight lbs. (kg)
ARM-CL-K-TA-XX[1]	2 3/8" OD tenon slipfitter for single fixture	—	5 (2.3)
ARM-CL-TK-TA-XX[1]	2 3/8" OD tenon slipfitter for twin fixture (180˚)	—	7 (3.2)
ARM-CL-K-S-XX[1]	10" Adjustable arm	0.5 (0.05)	5.75 (2.6)

Replace **XX** with color designation: **DB** - Dark Bronze, **BL** - Black, **WH** - White, **GR** - Gray, **PS** - Platinum Silver, **RD** - Red (Premium Color), **FG** - Forest Green (Premium Color), **CC** - Custom Color (consult factory)
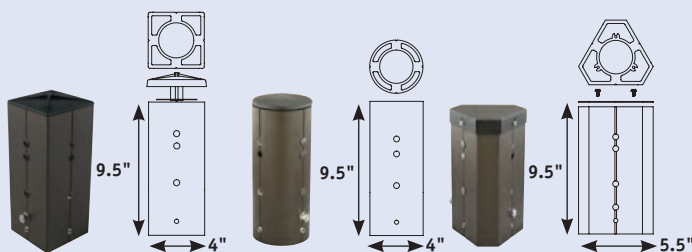
TENON TOP POLE BRACKET ACCESSORIES CL1 AND CL1S (ORDER SEPARATELY)

Catalog Number	Description	EPA ft² (m²)	Weight lbs. (kg)
SETA-XX[1]	4" Square pole top tenon adapter 2 3/8" OD slipfitter for max. four fixtures (90˚)	0.4 ft[1] (.04 m²)	20 lbs. 9 kgs.
RETA-XX[1]	4" Round pole top tenon adapter 2 3/8" OD slipfitter for max. four fixtures (90˚)	0.2 ft[1] (.02 m²)	20 lbs. 9 kgs.
TETA-XX[1]	Three sided pole top tenon adapter 2 3/8" OD slipfitter for max. four fixtures (120˚)	0.2 ft[1] (.02 m²)	20 lbs. 9 kgs.

SETA-XX 9.5" 4"   **RETA-XX** 9.5" 4"   **TETA-XX** 9.5" 5.5"

CIMARRON CL1S ACCESSORIES (ORDER SEPARATELY)

CL1S-RPAX-XX

Catalog Number	Description
CL1S-RPA3AAC-XX[1]	Round pole adapter for straight arm ($3^{1}/4$ - $3^{3}/4$")
CL1S-RPA4AAC-XX[1]	Round pole adapter for straight arm ($3^{7}/8$ - 5")
WB-CR-XX[1]	Wall bracket

1 Replace **XX** with color choice, eg.: **DB** for Dark Bronze

CIMARRON LED CL1 FIXTURE MOUNTING – SQUARE & ROUND

POLE COVER POLE COVER
FIXTURE CAST ARM NUT PLATE ROUND POLE
CAST ADAPTER NUT PLATE SQUARE POLE
SCREW COVER

UPSWEPT ARM MOUNT SQUARE & ROUND POLES

5 59 3 40 1 95 3 89 2 50 1 95 5 62 1 16

POLE TOP 2.25 .875 3.5 Ø .875 HOLE Ø .563 2 HOLES
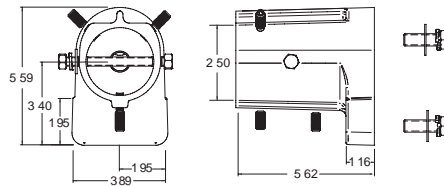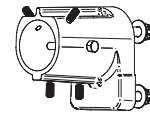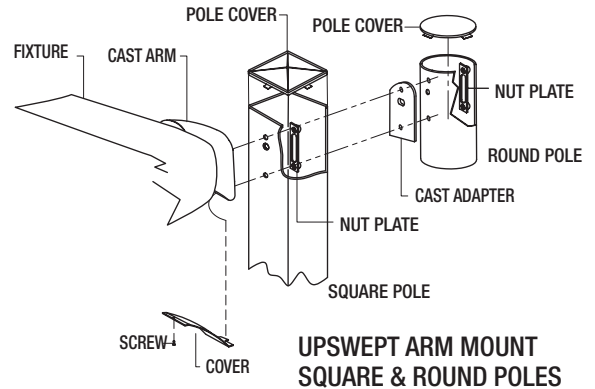
MAF – HORIZONTAL MAST ARM FITTER (CL1 ONLY)   **#2 DRILL PATTERN FOR POLES (CL1 AND CL1S)**

CIMARRON LED CL1S FIXTURE MOUNTING – SQUARE & ROUND

POLE COVER POLE COVER
FIXTURE CAST ARM MOUNTING BOLTS NUT PLATE ROUND POLE
CAST ADAPTER NUT PLATE SQUARE POLE
SET SCREW QUICK-MOUNT PLATE
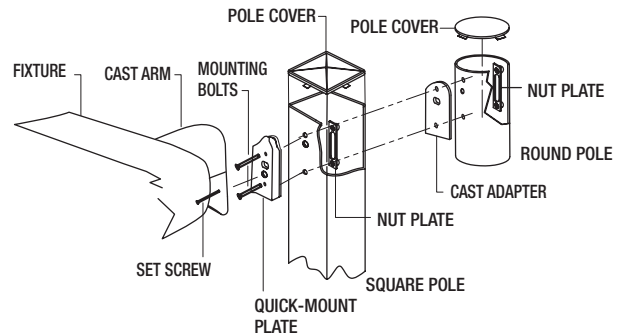
ADDITIONAL ACCESSORIES (ORDER SEPARATELY)

| Catalog Number	Description
PTL-1	Photocontrol - twist-lock cell (120V)
PTL-8	Photocontrol - twist-lock cell (120-277V)
PTL-5	Photocontrol - twist-lock cell (480V)
PTL-6	Photocontrol - twist-lock cell (347V)
PSC	Shorting cap - twist-lock

SPAULDING LIGHTING
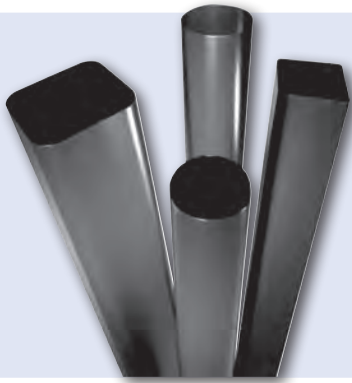
Poles

Spaulding's complete line of poles offers simple solutions for all your lighting needs from 8 to 60 feet in height. Pole applications include general floodlighting, sports lighting, auto dealerships commercial site lighting, and roadways. Mounting configurations include tenon top, side mount, pad mount, or open top models to match any luminaire style.

Constructed with exacting standards, both our aluminum and steel poles meet strict guidelines for quality, strength, and finish. Protecting your investment is our Lektrocote paint or galvanized finish. Both guarantee your investment for years. From shaft cutting through painting, quality control inspections are conducted throughout a highly automated process.

Lastly, to ensure the finish is not damaged during shipment, all poles are protected with a durable yet easily removed material.

ORDERING INFORMATION

☐ - ☐ ☐ - ☐ - ☐ - ☐ - ☐ - ☐ - ☐
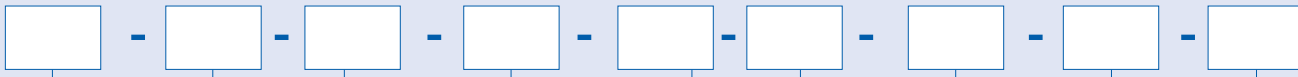
CROSS SECTION
S Square
R Round

STYLE
S Straight
T Tapered
H Hinged (square steel only)

MATERIAL
S Steel
A Aluminum

NOMINAL LENGTH
08 8 Feet
10 10 Feet
12 12 Feet
14 14 Feet
15 15 Feet
16 16 Feet
18 18 Feet
20 20 Feet
25 25 Feet
27 27 Feet
30 30 Feet
35 35 Feet
39[1] 39 Feet
40 40 Feet
45 45 Feet
50 50 Feet
60 60 Feet

NOMINAL SHAFT DIMENSIONS
30[2] 3 Inch
40 4 Inch
45[2] 4.5 Inch
50 5 Inch
55[2] 5.5 Inch
60 6 Inch
65[3] 6.5 Inch
70[3] 7 Inch
80[3] 8 Inch
85[3] 8.5 Inch
90[3] 9 Inch
95[3] 9.5 Inch
10[3] 10 Inch
11[3] 11 Inch
12[3] 12 Inch

LUMINAIRE MOUNTING TYPE
AX[4] Side - single
BX[4] Side - double at 90°
CX[4] Side - double at 180°
DX[4] Side - triple at 90°
EX[4] Side - triple at 120°
FX[4] Side - quad at 90°
P1 Pad mount - spider type
P2 Pad mount - yoke type
P3 Pad mount - yoke type (Proformer XL only)
TR[9] Removable tenon (2 3/8 x 4 1/4)
TA Tenon (2 3/8" OD)
TB Tenon (2 7/8" OD)
OT Open top (for post top luminaires)
CD Concord top (use with Concord luminaires only)

OPTIONS
Q55 Internal coating (Hubbell seal)
Q18[5] 20A GFCI receptacle and cover
Q22[5] Extra hand hole
Q26[5] 1/2" coupling
Q27[5] 3/4" coupling
Q30[5] 2" coupling
Q32[5] Mid-pole luminaire bracket
Q41 Fast mode vibration damper
Q42 Second mode vibration damper
Q45[6] Square base cover
Q46[7] Round base cover
LAB Less anchor bolts
CSA[8] CSA Certified (consult factory)

SHAFT THICKNESS
1 Steel - Standard (11 GA / .119)
7 Steel - Heavy (7 GA / .179)
3 Steel - Extra heavy (3 GA / .226 - .250)
A Aluminum - Standard (.125)
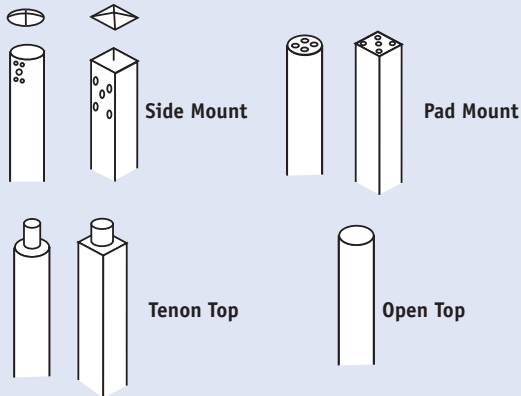**B** Aluminum - Heavy (.188)
C Aluminum - Extra heavy (.220 - .250)

FINISH
DB Dark Bronze
BL Black
WH White
GR Gray
PS Platinum Silver
RD Red (premium color)
FG Forest Green (premium color)
CC Custom Color (consult factory)
PR Primer Only
GL Hot Dip Galvanized
NA Natural Aluminum (aluminum poles only)
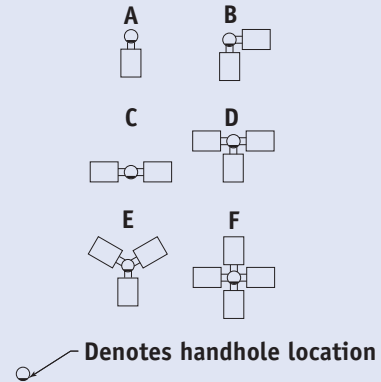
1 Round tapered steel poles only
2 Round Straight Poles only
3 Tapered Poles only
4 DRILL PATTERNS: Consult specific pole pages
5 Specify option location using logic found in pole introduction pages; The location of all options must start a minimum of six inches above the hand hole and be located one foot apart from one another; Consult factory for any exceptions
6 Optional base cover only needed when not provided as standard
7 Optional round base cover
8 SSS & RSS poles only
9 Removable tenon used in conjunction with side arm mounting on SSS series poles; First specify desired arm configuration followed by "TR" notation
   Example: SSS-25-40-7-C6-TR-DB

❌ **This pole logic is for reference use only. The appropriate pole table should be used when sizing and ordering poles. Please visit spauldinglighting.com for complete pole information including EPA, wind maps and AASHTO ratings**
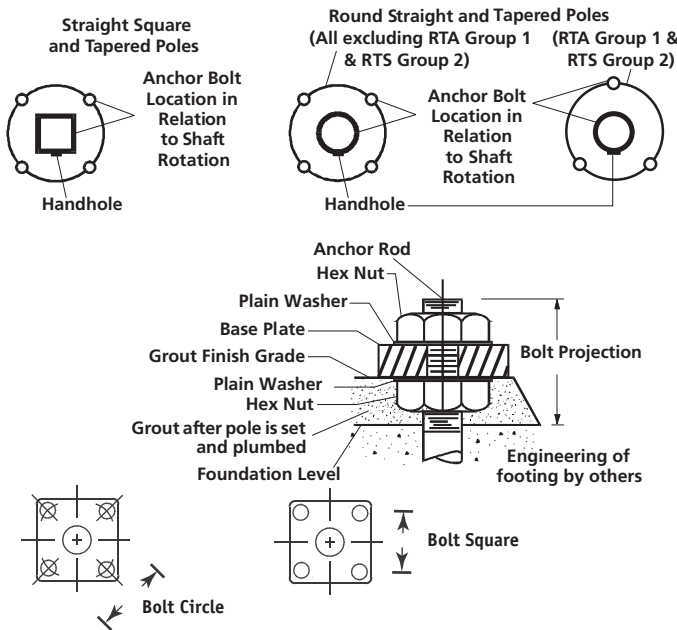
SPAULDING LIGHTING

LUMINAIRE MOUNTING

Side Mount

Pad Mount

Tenon Top

Open Top

SIDE MOUNTING LOCATIONS

A   B

C   D

E   F

Denotes handhole location

ANCHOR BOLT DETAIL BASE DIAGRAM

Straight Square and Tapered Poles

Anchor Bolt Location in Relation to Shaft Rotation

Handhole

Round Straight and Tapered Poles (All excluding RTA Group 1 & RTS Group 2)

(RTA Group 1 & RTS Group 2)

Anchor Bolt Location in Relation to Shaft Rotation

Handhole

Anchor Rod
Hex Nut
Plain Washer
Base Plate
Grout Finish Grade
Plain Washer
Hex Nut
Grout after pole is set and plumbed
Foundation Level

Bolt Projection

Engineering of footing by others

Bolt Square

Bolt Circle

STANDARD ANCHOR BOLTS
(Included with pole purchase)

TAB-15	1/2 x 15 x 3" (Non-galvanized) qty: 4
TAB-17-M38	3/4 x 17 x 3" (Galvanized) qty: 3
TAB-30-M38	3/4 x 30 x 3" (Galvanized) qty: 4
TAB-36-M38	1 x 36 x 4" (Galvanized) qty: 4
TAB-42-M38	1 1/4 x 42 x 6" (Galvanized) qty: 4

REPLACEMENT NUT/WASHER KIT

80033249902	3/4" TAB30 Set
80033259902	1" TAB36 Set
80036599903	1 1/4" TAB42 Set

Note   Fabricated from high tensile steel, each anchor bolt has two nuts and two washers; Galvanized anchor bolts are hot dipped; (Galvanizing includes threaded portion plus six inches minimum); Anchor bolt template included with pole purchase
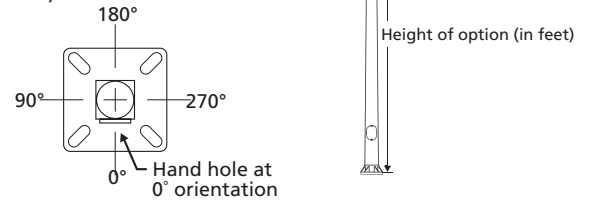
OPTION ORIENTATION
Follow the logic below when ordering location specific options.

For each option, include its orientation (in degrees) and its height (in feet). Example: Option Q26 should be ordered as:

SSS-20-40-1-A1-DB-Q26-0-15
(1/2" coupling on the hand hole/arm side of pole, 15 feet up from the pole base)

180°

90°   270°

0°   Hand hole at 0° orientation

Height of option (in feet)

POLE BASE COVERS

Catalog Number	Description
Pole Base Covers for Square Poles	
SBC-4-XX[1]	10 1/2" Sq x 5" Deep (use on 4" sq poles)
SBC-4L-XX[1]	12 1/4" Sq x 5" Deep (use 4" sq poles)
SBC-5-XX[1]	12 1/4" Sq x 5" Deep (use on 5" sq poles)
SBC-6-XX[1]	12 1/4" Sq x 5" Deep (use on 6" sq poles)
Pole Base Covers for Round Poles	
SBC-3R-XX[1]	9" Sq x 5" Deep (use on 3" round poles)
SBC-4R-XX[1]	10 1/2" Sq x 5" Deep (use on 4" round poles)
SBC-45R-XX[1]	10 1/2" Sq x 5" Deep (use on 4 1/2" round poles)
SBC-5R-XX[1]	10 1/2" Sq x 5" Deep (use on 5" round poles)
SBC-6R-XX[1]	10 1/2" Sq x 5" Deep (use on 6" round poles)
RBC-4R-XX[1]	10.91" Dia. x 5" Deep (use on 4" round poles)
RBC-4RL-XX[1]	14.35" Dia. x 5" Deep (use on 4" round poles)
RBC-45R-XX[1]	10.91" Dia. x 5" Deep (use on 4 1/2" round poles)
RBC-45RL-XX[1]	14.35" Dia. x 5" Deep (use on 4 1/2" round poles)
RBC-5R-XX[1]	11.91" Dia. x 5" Deep (use on 5" round poles)
RBC-5RL-XX[1]	14.35" Dia. x 5" Deep (use on 5" round poles)
RBC-6R-XX[1]	11.91" Dia. x 5" Deep (use on 6" round poles)
RBC-6RL-XX[1]	14.35" Dia. x 5" Deep (use on 6" round poles)
RTS-2065-XX -Q45[1]	13" Sq x 5" Deep (use on 6 1/2" round poles)
RTS-2570-XX -Q45[1]	13" Sq x 5" Deep (use on 7" round poles)
RTS-3080-XX -Q45[1]	13" Sq x 5" Deep (use on 8" round poles)
RTS-3585-XX -Q45[1]	13" Sq x 5" Deep (use on 8 1/2" round poles)
RTS-3990-XX -Q45[1]	13" Sq x 5" Deep (use on 9" round poles)

[1] Replace **XX** with color choice, eg.: **DB** for Dark Bronze

SPAULDING
LIGHTING