

**CORRIDOR OVERLAY DISTRICT DESIGN GUIDELINE BOOKLET**

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**Hickman, Nebraska - 2015**

**Resolution No. 2015-12**



JEO Project No.

### Hickman Corridor Design Guideline Booklet Descriptions

This design guideline booklet adopted by the Hickman City Council is a supplement to the Corridor Overlay Zoning District. The examples within this booklet refer to the adopted overlay district and indicate preferences of the community for style, color, plant material, and lighting. All submittals for projects within identified overlay districts shall include the appropriate drawings, specifications and samples needed for consideration of approval.

Case Study: These are examples of existing buildings, structures, and screening within Hickman’s corridor commercial areas. **These examples are given not to promote the individual businesses but to identify a preferred style, character, color, and balance for the City of Hickman. Other styles are possible and may be considered by the City. Additional examples from other communities are provided in order to help illustrate the promoted theme and tone of development.**

Brick and Building Colors: The “Earth Tone” colors identified are the suggested colors of building materials for projects within the overlay district. Similar colors by other manufacturers may be considered, approved, and used on any project and accepted building material.

Plant Materials: Plant materials within the overlay district are divided into deciduous trees, coniferous trees, deciduous shrubs, coniferous shrubs, groundcovers, and perennials/bulbs/grasses. Such plant material is provided to create some consistency in colors and shapes throughout the corridors while allowing variation in plant species. Additional plant material or substitutions may be approved by recommendation of the City.

Lighting: Lighting specifications and examples to be used within the corridors are identified herein. Again, the purpose of these examples is to create consistency within the corridors. Pedestrian, building, parking lot, and street lighting examples are given. The lighting examples represent a modern commercial character for other areas of the identified corridors. Similar lighting poles and fixtures from other manufacturers may be considered, approved, and used on projects. The selected style of lighting should complement the architectural style of the building/structure.

Building Style and Design Examples



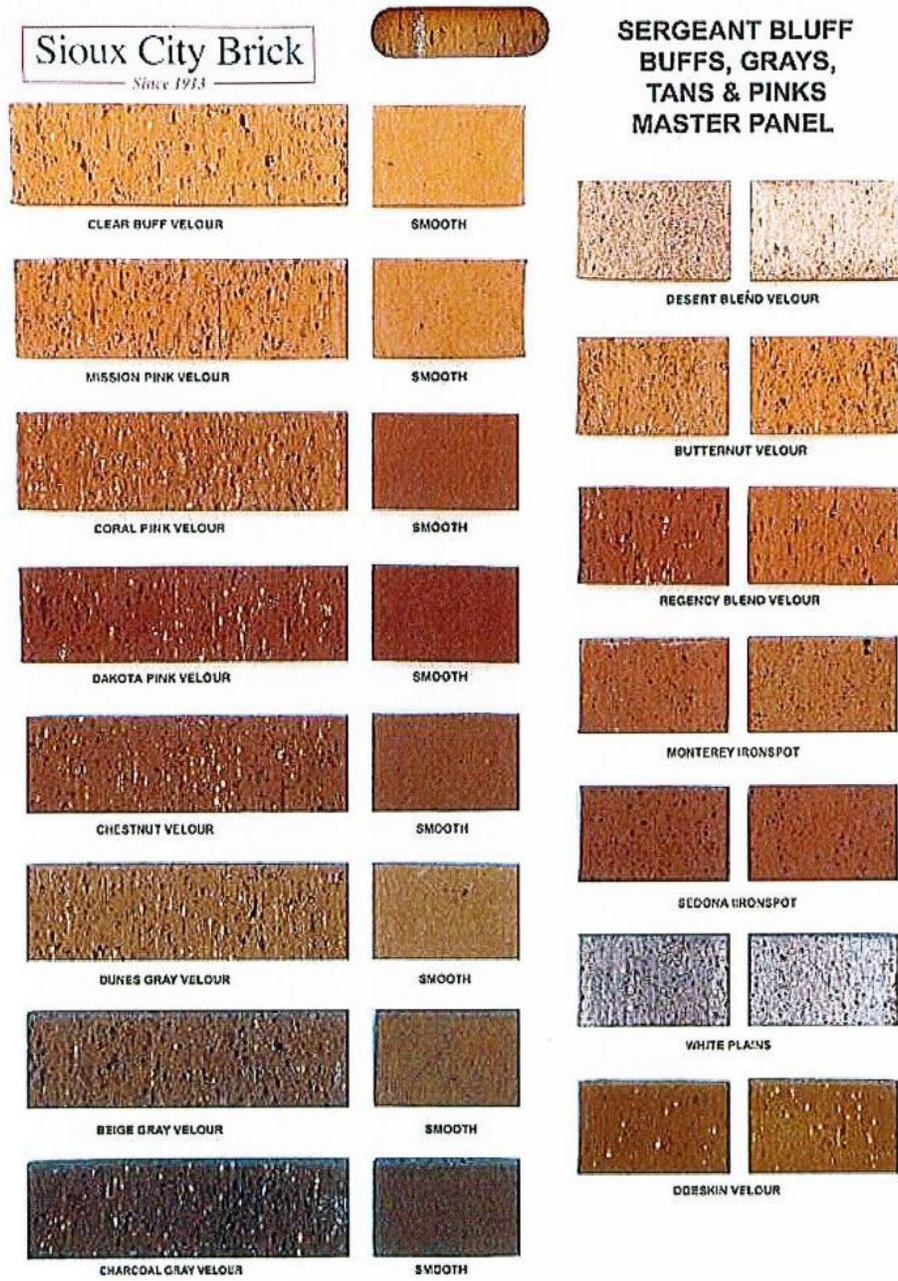
Building Style and Design Examples



Parking Lot Screening

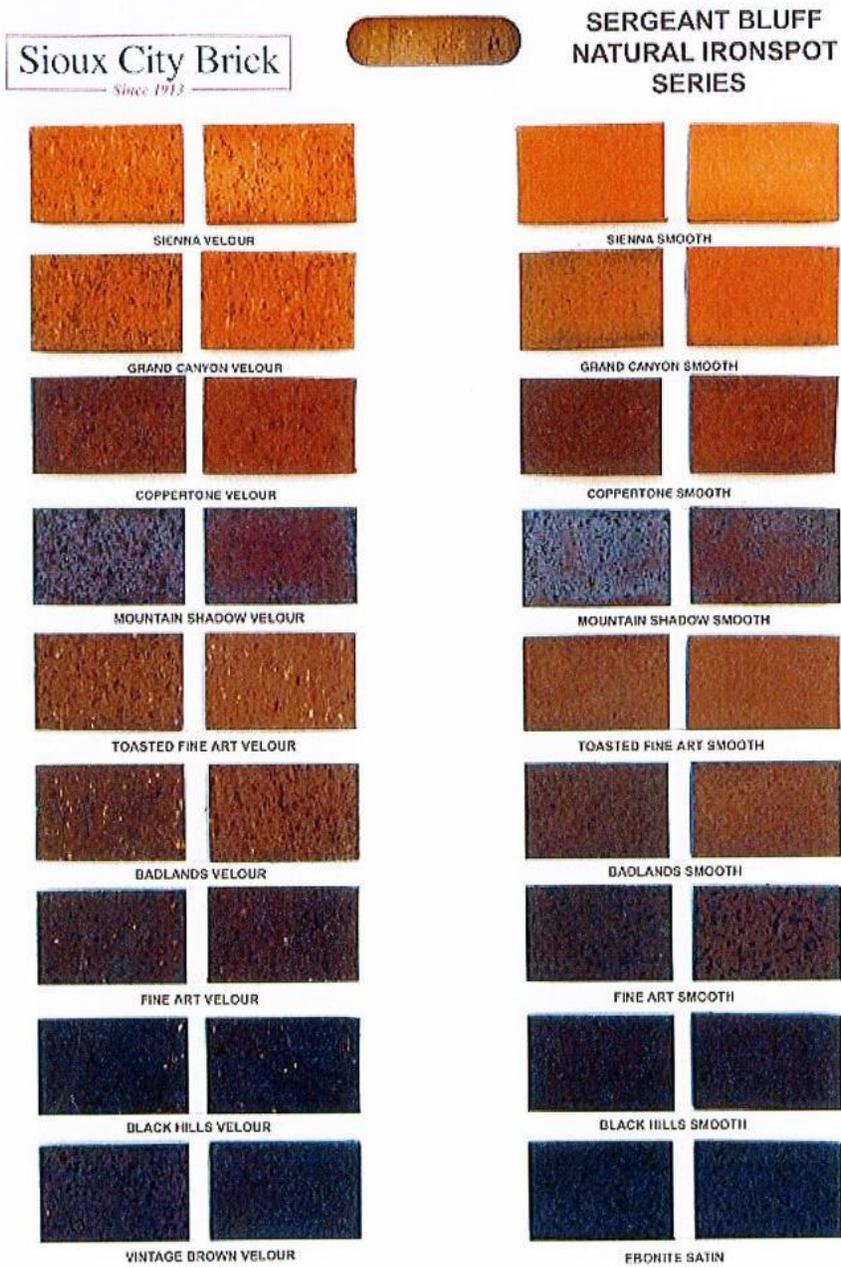


**Brick and Building Colors**  
 Examples of “Earth Tone” Colors



# Brick and Building Colors (cont.)

## Examples of "Earth Tone" Colors



# Brick and Building Colors (cont.)

## Examples of "Earth Tone" Colors



### DECIDUOUS TREES

Downy Serviceberry/Amelanchier arborea – clump form  
Prairie Pride hackberry/Celtis occidentalis 'Prairie Pride'  
Skyline Honeylocust/Gleditsia triacanthos "Skycole"  
Shademaster Honeylocust/Gleditsia triacanthos "PNI 2835"  
Prairifire Crab/Malus 'Prairifire'  
Swamp White Oak/Quercus bicolor  
Red Oak/Quercus rubra  
White Oak/Quercus alba  
Littleleaf Linden/Tilia cordata  
River Birch/Betula Nigra  
Red Maple/Acer rubrum  
Ussurian Pear/Pyrus ussuriensis

### CONIFEROUS TREES

Norway Spruce/Picea abies  
Douglas Fir/Pseudotsuga menziesii  
Colorado Spruce/Picea pungens

### DECIDUOUS SHRUBS

Rockspray Cotoneaster/Cotoneaster horizontalis  
Black Chokeberry/Aronia melanocarpa  
Red Chokeberry/Aronia arbutifolia  
Gro-Low Fragrant Sumac/Rhus aromatica 'Gro-Low'  
Japanese White Spirea/Spirea albiflora  
Redstem Dogwood/Cornus sericea  
Hancock Coralberry/Symphoricarpos x chenault 'Hancock'  
Sargent Viburnum/Viburnum sargentii

### CONIFEROUS SHRUBS

Compact Andorra Juniper/ Juniperus horizontalis Plumosa 'Compacta'  
Andorra Juniper/Juniperus horizontalis Plumosa  
Savin Juniper/Juniperus Sabina  
Yew/Taxus x media

### GROUNDCOVERS

Purple Winter Creeper/Euonymus fortunei var. 'Coloratus'  
Creeping Juniper/Juniperus horizontalis

### PERENNIALS/BULBS/GRASSES

Butterscotch Ruffles Daylily/Hemerocallis 'Butterscotch Ruffles'  
Fairy Tale Pink Daylily/Hemerocallis 'Fairy Tale Pink'  
Little Business Daylily/Hemerocallis 'Little Business'  
Pardon Me Daylily/Hemerocallis 'Pardon Me'  
Happy Returns Daylily/Hemerocallis 'Happy Returns'  
Mount Hood Daffodil/Narcissus sp. 'Mount Hood'  
Pale Purple Coneflower/Echinacea pallid  
Blue Grama/Bouteloua gracilis  
Little Bluestem/Schizachyrium scoparium  
Prairie Junegrass/Koeleria macrantha

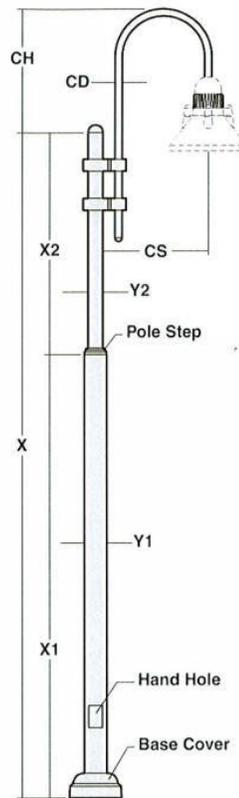
Note: Additional plant material or substitutions of those listed above may be approved by recommendation of the City of Hickman. Plant choices should be driven by Spring/Fall color, site conditions, functional purposes of the landscape, and plant adaptability/survivability first and foremost.

## Pole Ordering Information and Specifications

### HSAS Stepped Aluminum Pole & Side Mount Crook Arm(s)

Ordering Example:  
For Standard HA02S / HA02L Pole  
**HSAS10-534188B / DB / DR**  
1-2                      3                      4

**1 Pole Catalog Numbers:**



Pole Catalog Number	Pole Cat. No. and Mounting					Wall Thickness	Bolt Circle Dia.	CH / Crook Height	CS / Crook Spacing	CD / Crook Dia.	Anchor Bolt Projection	Anchor Bolts	Base Cover Dia.	Conduit Opening Dia.	ALLOWABLE POLE EPA*						
	X	X1	X2	Y1	Y2										90	100	110	120	130	140	150
HSAS10-534188	10	6.5	3.5	5'	3.4'	.188"	8 1/2"	26"	25"	1 1/2"	3.2"	3/4"x15'+3"	12"	3"	25.7	23.5	19.1	15.8	13.2	11.2	9.5
HSAS12-534188	12	8	4	5'	3.4'	.188"	8 1/2"	26"	25"	1 1/2"	3.2"	3/4"x15'+3"	12"	3"	20.6	18.8	15.2	12.5	10.3	8.7	7.3
HSAS14-534188	14	9.3	4.7	5'	3.4'	.188"	8 1/2"	26"	25"	1 1/2"	3.2"	3/4"x15'+3"	12"	3"	16.9	15.3	12.3	10.0	8.2	6.8	5.7
HSAS16-534188	16	10.5	5.5	5'	3.4'	.188"	8 1/2"	26"	25"	1 1/2"	3.2"	3/4"x30'+4"	12"	3"	14.1	12.7	10.0	8.1	6.5	5.3	4.4
HSAS20-534188	19.5	13	6.4	5'	3.4'	.188"	8 1/2"	26"	25"	1 1/2"	3.2"	3/4"x30'+4"	12"	3"	9.6	8.6	6.6	5.1	4.0	3.1	2.4

Pole Catalog Number	Pole Cat. No. and Mounting					Wall Thickness	Bolt Circle Dia.	CH / Crook Height	CS / Crook Spacing	CD / Crook Dia.	Anchor Bolt Projection	Anchor Bolts	Base Cover Dia.	Conduit Opening Dia.	ALLOWABLE POLE EPA*						
	X	X1	X2	Y1	Y2										90	100	110	120	130	140	150
HSAS20-64188	9.5	13	6.4	6'	4'	.188"	10 1/2"	37"	36"	2 1/2"	3.2"	3/4"x30'+4"	14"	5"	15.2	13.9	11.0	8.7	7.1	5.9	4.9
HSAS25-64188	25	16.7	8.3	6'	4'	.188"	10 1/2"	37"	36"	2 1/2"	3.2"	3/4"x30'+4"	14"	5"	9.5	8.6	6.5	4.9	3.7	2.9	2.3
HSAS25-64250	25	16.7	8.3	6'	4'	.250"	10 1/2"	37"	36"	2 1/2"	3.2"	3/4"x30'+4"	14"	5"	13.9	12.7	9.8	7.6	6.1	5.0	4.1
HSAS30-64250	30	20	10	6'	4'	.250"	10 1/2"	37"	36"	2 1/2"	3.2"	3/4"x30'+4"	14"	5"	9.3	8.4	6.2	4.5	3.4	2.6	2.0
HSAS30-64400	30	20	10	6'	4'	.400"	10 1/2"	37"	36"	2 1/2"	3.2"	3/4"x30'+4"	14"	5"	14.7	13.3	10.1	7.9	6.2	5.0	4.1

**NOTE:** All allowable pole and fixture EPAs (Effective Projected Area, which is Fixture Area x Drag Factor) are derived from the AASHTO standard (American Association of State Highway and Transportation Officials). Responsibility lies with the specifier for correct pole selection based on local codes and standards for the job location (See page 28).

\* Thickness at Y1 section, Y2 section is .188".

■ Pole reinforced, to 40' above base, to .400", remaining Y1 section is .250" Y2 section is .188".

Arm assemblies are included.

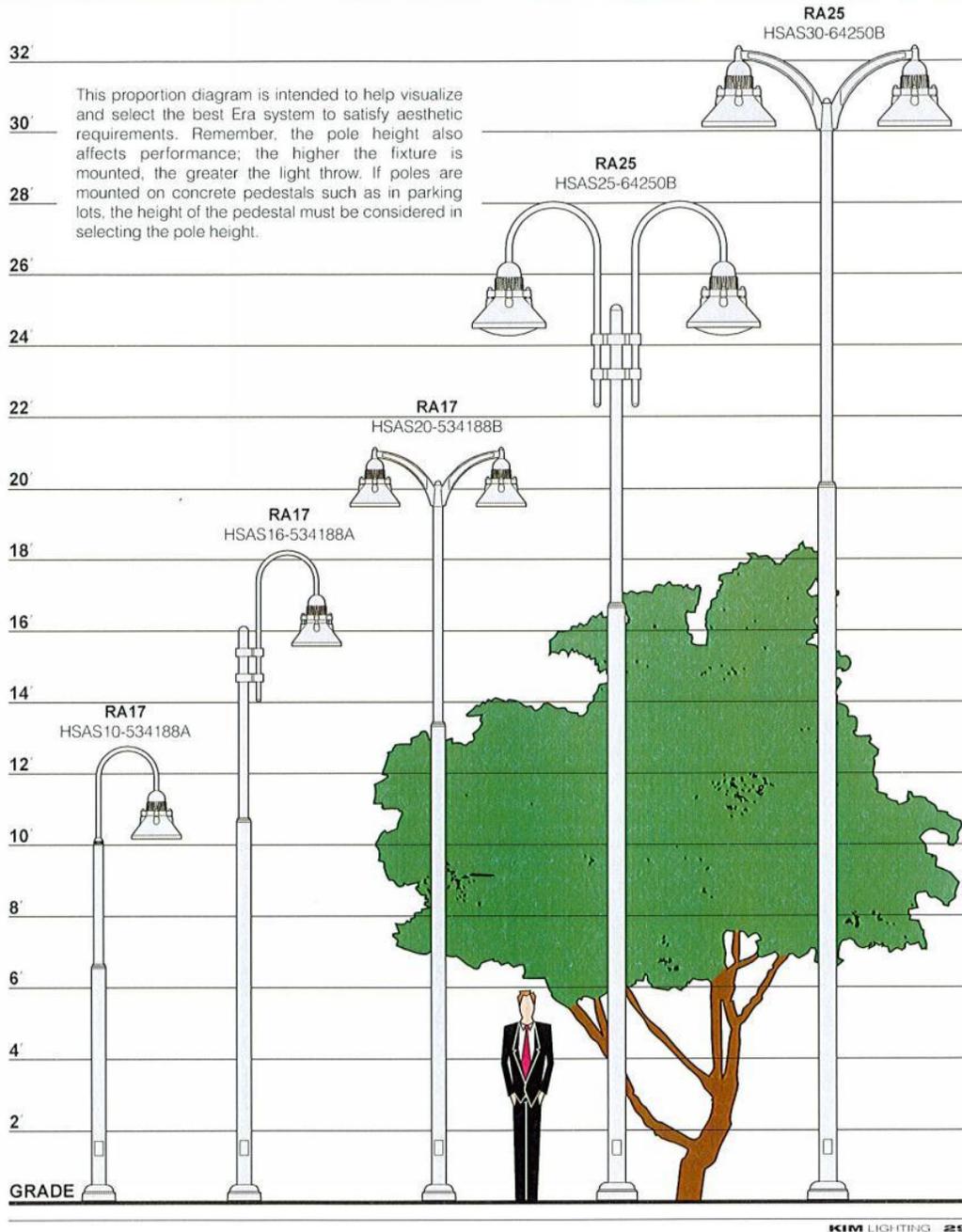
**2 Mounting Arrangements:**

Plan View:				
Mounting Cat. No.:	A	B	Y	C
EPA: RA17	0.8	1.6	2.4	2.8
RA25	1.5	3.0	4.5	5.2

\*NOTE: ALLOWABLE POLE EPA for jobsite wind conditions must be equal to or greater than fixture mount EPA.

Proportion Guide

70 to 400 Watt / 10' to 30' Poles



# Lighting (cont.)

## Examples for Corridor

Wall + Ceiling

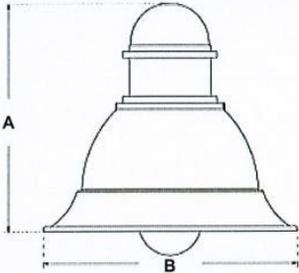
Project Name \_\_\_\_\_ Type \_\_\_\_\_

Catalog Number \_\_\_\_\_



**UL**  
LISTED

### Dimensional Drawings



Fixture	A	B	Max. Watts	Lbs
MON-M	14"	12¾"	42 W	24

The **Monterey - Mini** offers architectural styling for wall mounted applications, while complementing the **Monterey** series of lighting products. The unique design captures the rustic look and feel of the Southwest, with a choice of elegant mounting arms scaled to match the size and shape of the fixture.

**Lens:** The lens is capsule-shaped, lightly diffused glass, with threaded top for easy re-lamping. A clear lens option is available.

**Housing:** The **Monterey - Mini** is durable, one-piece, spun aluminum.

**Mounting:** Choose from two decorative cast aluminum wall mount brackets.

**Finish:** A Quali-Guard® textured, thermoset, polyester powder coat paint, oven baked at a temperature of 400 °F to promote maximum adherence and finish hardness and is available in a wide array of architectural colors. Finish is guaranteed for two (2) years

**Optics:** Symmetrical light distribution.

**Lamp:** An energy-efficient, Compact Fluorescent light source is offered in wattages from 18 to 42.

**Ballast:** A high-performance, electronic transformer operates at 120 thru 277 volts, 50 to 60 Hz, with a 90% power factor, and is rated for -20 °C operation.

Model	Optics	Wattage	Source	Voltage	Mounting	Finish	Options
MON-M	Symmetrical Light Distribution (SLD)	Compact Fluorescent	CF (CF)	120-277 *Universal voltage (UNV)	VA101M Wall Mount (VA101M-WM)	Bronze (BZ)	Button Type Photocell <small>*Specify voltage</small> (PC120) (PC208) (PC240) (PC277)
		18 (18)				Black (BK)	
		26 (26)			VA110M Wall Mount (VA110M-WM)	White (WH)	Clear Lens (CL)
		32 (32)				Forest Green (FG)	
		42 (42)				Grey (GY)	
						Silver Metallic (SL)	
						Custom Color (CC)	

Pair with:



Monterey Architectural fixture.

CF- Compact Fluorescent

For more detailed information on mounting, wiring or installation instructions, please consult factory. If poles are not ordered with fixtures, please specify mounting requirements. This document contains proprietary information of Visionaire Lighting, LLC. Any use of this information requires the written approval of Visionaire Lighting, LLC. In keeping with our TQM policy of continuous improvement, Visionaire reserves the right to change any specifications contained herein without prior notice.



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# Lighting (cont.)

## Examples for Corridor

Project Name \_\_\_\_\_ Type \_\_\_\_\_

Catalog Number \_\_\_\_\_

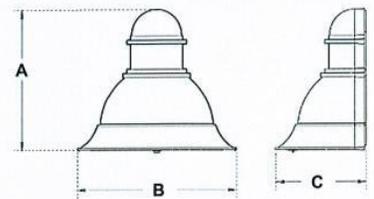
### Monterey - Sconce

HID/CF

Wall + Ceiling



#### Dimensional Drawings



Fixture	A	B	C	Max. Watts	Lbs
MOS-1	14¾"	13"	8¾"	42 W	19
MOS-2	20"	17¾"	11½"	150 W	27

**The Monterey - Sconce** offers architectural styling for wall mounted applications, while complementing the Monterey series of lighting products. The unique design captures the rustic look and feel of the Southwest. The **MOS-2** meets NEC egress/emergency specifications when the CF/EBP options are selected.

**Lens:** The lens is a clear, tempered, flat glass, secured by aluminum lens retainers and fully gasketed.

**Housing:** The Monterey - Sconce consists of a durable, cast aluminum housing and lens door frame with tool-less latch.

**Finish:** A Quali-Guard® textured, thermoset, polyester powder coat paint, oven baked at a temperature of 400 °F to promote maximum adherence and finish hardness and is available in a wide array of architectural colors. Finish is guaranteed for two (2) years.

**Optics:** The reflector is sharp-cutoff, specular, segmented aluminum, and offered in three distribution types.

**Lamp:** A selection of Compact Fluorescent (26-84 watts) and HID light sources (70-150 watts) are offered; including Pulse Start Metal Halide for superior efficiency, lumen maintenance and color rendition.

**Ballast:** HID – Premium HPF regulating autotransformer, available in High Pressure Sodium or Pulse Start Metal Halide. CF – A high-performance, electronic transformer operates at 120 thru 277 volts, 50 to 60 Hz, with a 90% power factor, and is rated for -20 °C operation.

Model	Optics	Wattage	Source	Voltage	Mounting	Finish	Options
MOS-1	Type II (T2)	Compact Fluorescent	CF (CF)	120 (1)	Wall Mount (WM)	Bronze (BZ)	Button-Type Photocell <small>*Specify voltage</small> (PC120) (PC208) (PC240) (PC277)
		26 (26)		208 (2)		Black (BK)	
	Type III (T3)	32 (32)	240 (3)	White (WH)			
	42 (42)	277 (4)	Forest Green (FG)				
MOS-2	Type IV (T4)	HID	PS (P) HPS (S)	70 (70)	M-Tap *Multi-Tap ballast wired at 277 V unless specified (6)	Silver Metallic (SL)	Emergency Battery Pack <small>*CF only. Gives 90+ minutes of illumination during power outages. Rated to 32 °C.</small> (EBP)
		100 (100)		480 (5)		Custom Color (CC)	
	150 (150)	Compact Fluorescent	CF (CF)	347 (8)		Cold Weather Battery Pack <small>*CF only. Gives 90+ minutes of illumination during power outages. Rated to -20 °C.</small> (CLDPK)	
	42 (42)			120-277 *Universal voltage (UNV)			
Pair with:		42x2 (42Tx2)					

For more detailed information on mounting, wiring or installation instructions, please consult factory. If codes are not ordered with fixtures, please specify mounting requirements. This document contains proprietary information of Visionaire Lighting, LLC. Any use of this information requires the written approval of Visionaire Lighting, LLC. In keeping with our TQM policy of continuous improvement, Visionaire reserves the right to change any specifications contained herein without prior notice.



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129

## Examples for Corridor

### PRODUCT INFORMATION

#### Intended Use

Streets, walkways, parking lots and surrounding areas.

#### Construction

Housing: Rugged, die-cast, single-piece aluminum housing with nominal wall thickness of 1/8".  
Door assembly: Die-cast door-frame has impact-resistant, tempered glass lens (3/16" thick), fully gasketed with one-piece tubular silicone.  
Finish: Dark bronze polyester powder finish standard. Additional architectural colors available, see [www.lithonia.com/archcolors](http://www.lithonia.com/archcolors).

#### Optics

MRO finish, segmented reflectors for superior uniformity and control. Reflectors attach with tool-less fastener and are rotatable and interchangeable. Four full cutoff distributions available.

#### Electrical

Ballasts: Mounted on removable power tray and have positive locking disconnect plugs. All ballasts are 100% factory tested. High reactance, high power factor for 150W and below. Constant wattage autotransformer 175W and above. MH: 150W and below are standard with pulse-start ignitor technology. Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required for 151-400W (must order SCWA option) for

U.S. shipments only. CSA, NOM or INTL required for probe start shipments outside the U.S. Compact fluorescent uses an electronic high-frequency ballast. High-frequency generator for induction.

Socket: Porcelain, medium-base socket for MR1, mogul-base socket for MR2, with copper alloy nickel-plated screw shell and center contact. Ceramic metal halide lamps are recommended for use in applications where superior color rendition, lumen maintenance and longer lamp life are desired. Fluorescent is four-pin positive latching thermoplastic. LPI is standard 35K for CFL.

#### Installation

Heavy-duty easy-mount block attaches to pole or wall to provide ease of installation as well as ensured alignment and leveling. Additional backing plate and receiver used to mount MRT suspend tension rod. MRT1 mounts 9.64" lower than specified pole height. MRT2 mounts 13.89" lower than specified pole height.

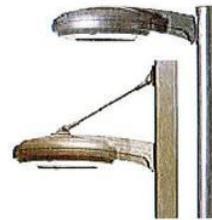
#### Listings

Listed and labeled to UL standards for wet locations. Listed and labeled to CSA standards (see Options). NOM Certified (see Options). IP65 Rated. U.S. Patent No. D556,357.

Architectural

# MR MRT

Omero™



AREA LIGHTING



### ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: MR1 150M SR3 TB SPA LPI

Series	Lamp type <sup>1</sup>		Distribution <sup>1</sup>	Voltage	Ballast	Mounting <sup>14</sup>
MR1	High Pressure Sodium	Metal Halide	350M <sup>1</sup>	120	(blank) Magnetic ballast	<b>Ships included</b>
MR2	50M <sup>1</sup>	400M	Compact fluorescent	208 <sup>11</sup>	CWI Constant wattage isolated <sup>12</sup>	<b>SPA</b> Square pole mounting block
MRT1	35S <sup>1</sup>	70M <sup>1</sup>	2/32TRT <sup>1</sup>	240 <sup>1</sup>	SCWA Super CWA ballast	<b>RPA</b> Round pole mounting block
MRT2	50S <sup>1</sup>	100M <sup>1</sup>	42TRT	277		<b>WBA</b> Wall bracket (up or down) <sup>17</sup>
	70S	150M	2/42TRT <sup>1</sup>	347		<b>Ships separately<sup>18</sup></b>
	100S	175M <sup>1</sup>	57TRT	480 <sup>1</sup>		DCMR1 MR1 Deco arm for square pole
	150S	200M <sup>1</sup>	70TRT	480 <sup>1</sup>		DCMR1R MR1 Deco arm for round pole
	200S	250M	150MHC	230SOHZ <sup>12</sup>		DCMR2 MR2 Deco arm for square pole
	250S	320M <sup>1</sup>	Induction	TB <sup>14</sup>		DCMR2R MR2 Deco arm for round pole
	400S		100IL	MVOLT <sup>1</sup>		
			150IL			

### Options

<b>Ships installed</b>	PER NEMA twist-lock receptacle only <sup>14</sup>	<b>Ships separately<sup>18</sup></b>	<b>Finish</b>	<b>Lamped</b>
SF Single fuse, 120V, 277V, 347V	TP Tamperproof	PE1 NEMA twist-lock PE (120V-240V)	(blank) Dark bronze (std.)	LPI Lamp included
DF Double fuse, 208V, 240V, 480V	HS House-side shield <sup>15</sup>	PE3 NEMA twist-lock PE (347V)	DBL Black	L/LP Less lamp
GMF Internal slow-blow fusing	CSA Meets Canadian standards	PE4 NEMA twist-lock PE (480V)	DGC Charcoal gray	
QRS Quartz restrike system <sup>16</sup>	NOM Meets Mexican standards (consult factory)	PE7 NEMA twist-lock PE (277V)	DMB Medium bronze	
EC Emergency circuit <sup>16</sup>	INTL Available for MH probe start shipping outside the U.S.	SC Shorting cap for PER option	DNA Natural aluminum	
		VG Vandal guard <sup>17</sup>	DWH White	
			CR Enhanced corrosion resistance	
			CRT Non-stick protective coating (black)	

### ADDITIONAL INFORMATION

For additional product information, visit [www.lithonia.com](http://www.lithonia.com).

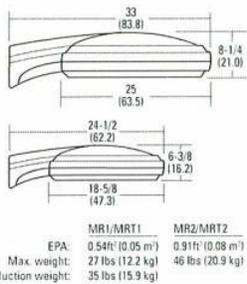
SERIES	CONFIGURATIONS		DISTRIBUTION
	LAMP TYPE		
MR1, MRT1	35S, 50S, 50M, 50MHC, 70S, 70M, 70MHC, 100S, 100M, 100MHC, 150S, 150M, 150MHC, 175M, 42TRT, 57TRT, 70TRT		SR2, SR3, SR4SC, SR5S
MR1, MRT1	2/32TRT, 2/42TRT		SR3
MR1, MRT1	100IL		Not applicable
MR2, MRT2	175M, 200S, 200M, 250S, 250M, 320M, 350M, 400S, 400M		SR2, SR3, SR4SC, SR4W, SR5S
MR2, MRT2	150IL		Not applicable

### DRILLING PATTERNS

(SEE POLE ORDERING, PAGE 588)

DM19AS	1 at 90°
DM28AS	2 at 180°
DM29AS	2 at 90°
DM39AS	3 at 90°
DM49AS	4 at 90°
DM32AS	3 at 120° (round poles only)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



### Notes

- Specify lamp type and distribution. See Configurations table.
- Not available with SCWA.
- 120V only.
- 120V and 277V only.
- Not available with 480V.
- Not available MR1/MRT1 SCWA.
- Must be ordered with SCWA.
- Not applicable with L/LP.
- Available in SR3 only.
- Must specify CWI for use in Canada.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- Consult factory for available wattages.
- Multi-volt electronic ballast.
- Mounting block included standard.
- Mounted in lens up orientation. Fixture is damp location rated. MR1 available in down orientation only.
- May be ordered as accessory, but available with MRT.
- Must specify finish.
- Maximum allowable wattage lamp included.
- Photocell not included.
- SR2, SR3, SR4W only.
- Prefix with fixture name and size (e.g., MR1V5).

LITHONIA OUTDOOR

# Lighting (cont.)

## Examples for Corridor

Wall + Ceiling

### Aria - Wall Sconce

HID/CF

Project Name	Type
Catalog Number	



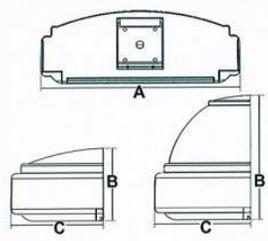
**ARS-1**



**ARS-2**




#### Dimensional Drawings



Fixture	A	B	C	Max. Watts	Lbs
ARS-1	20"	7¼"	10"	150 W	17
ARS-2	20"	12½"	10"	150 W	21

**The Aria - Wall Sconce** offers a blend of architectural shapes, contemporary optical systems and lamp sources, and superior mechanical features.

The **ARS-1** is a low-profile luminaire designed to integrate easily into any architectural environment. The **ARS-2** offers stylish architectural detail adding an impacting design element to any type of contemporary building. Both styles are full-cutoff, Dark-Sky approved luminaires. The **ARS-2** meets NEC egress/emergency specifications when the CF/EBP options are selected.

**Lens:** The lens is clear, tempered, flat glass; secured with stainless steel hardware and fully sealed with a form-fitting, silicone gasket.

**Housing:** Die cast aluminum, permanently sealed and spun aluminum tops feature a die cast, tool-less entry door frame with one-piece, extruded silicone gasket. A quick-mount bracket is supplied for ease of installation.

**Finish:** Durable Quali-Guard® textured thermoset polyester powder coat, oven-baked at a temperature of 400 °F to promote maximum adherence and finish hardness. Finish is guaranteed for two (2) years.

**Optics:** Reflectors are highly-polished 95% reflectance anodized aluminum and are offered in three distribution types.

**Lamp:** A selection of Compact Fluorescent (32-84 watts) and HID light sources (50-150 watts) are offered; including Pulse Start Metal Halide for superior efficiency, lumen maintenance and color rendition.

**Ballast:** **HID** – Premium HPF regulating autotransformer, available in High Pressure Sodium or EISA-compliant Pulse Start Metal Halide. **CF** – A high-performance, electronic transformer operates at 120 thru 277 volts, 50 to 60 Hz, with a 90% power factor, and is rated for -20 °C operation.

Model	Optics	Wattage	Source	Voltage	Mounting	Finish	Options
<b>ARS-1</b> *Flat top	Type II (T2)	HID 50 (50)	PS HPS (P) (S)	120 (1)	Wall Mount *Down light only (WM)	Bronze (BZ)	<u>Button Type Photocell</u> <small>*Specify voltage</small> (PC120) (PC208) (PC240) (PC277) Quartz Restrike (QR) <u>Fusing</u> <small>*Specify voltage</small> <small>Single in-line fuse</small> (SF120) (SF277) <small>Double in-line fuse</small> (DF208) (DF240) (DF480) Emergency Battery Pack <small>*For Compact Fluorescent models only.</small> Provides at least 90 minutes' illumination during power outages. Rated to 32 °C Integral on ARS-2; remote on ARS-1 (EBP) Cold Weather Battery Pack <small>*CF only. Gives 90+ minutes of illumination during power outages. Rated to -20 °C</small> Integral on ARS-2; remote on ARS-1 (CLDPK) Vandal-Resistant Hardware <small>*Tamper-proof latch screw</small> (VRH)
		70 (70)		208 (2)		White (WH)	
	Type III (T3)	100 (100)	240 (3)	Grey (GY)			
<b>ARS-2</b> *Dome top	Type IV (T4)	150 (150)	CF (CF)	277 (4)	M-Tap *Multi-Tap ballast wired at 277 V unless specified (6)	Silver Metallic (SL)	
		Compact Fluorescent <small>*120-277 V universal voltage</small> 32 (32TT)		480 (5)		Custom Color (CC)	
Pair with:		42 (42TT)		347 (8)			
		42x2 *ARS-2 only (42TTx2)		120-277 *Universal voltage (UNV)			

PS - Pulse Start Metal Halide  
HPS - High Pressure Sodium  
CF - Compact Fluorescent

For more detailed information on mounting, wiring or installation instructions, please consult factory. If poles are not ordered with fixtures, please specify mounting requirements. This document contains proprietary information of Visionaire Lighting, LLC. Any use of this information requires the written approval of Visionaire Lighting, LLC. In keeping with our TQM policy of continuous improvement, Visionaire reserves the right to change any specifications contained herein without prior notice.



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Performance In A Whole New Light

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## Examples for Corridor

AREA LIGHTING

**PRODUCT INFORMATION**

### KSF Spec-Form®



**Intended Use**  
For car lots, street lighting or parking areas.

**Construction**  
Housing: Rugged, heavy-gauge, aluminum rectilinear housing. All seams continuously welded for weathertight integrity.

Doorframe: Natural anodized, extruded aluminum frame with mitered corners, retained with two hinge pins and secured with one quarter turn, quick release fastener. Integrally designed, extruded silicone gasket provides weatherproof seal between housing and frame.

Finish: Dark bronze polyester powder finish standard. Additional architectural colors available; see [www.lithonia.com/archcolors](http://www.lithonia.com/archcolors).

**Optics**  
Optics: Anodized segmented reflectors provide superior uniformity and control. KSF1/KSF2 reflectors are rotatable and interchangeable. KSF3 Type IV is rotatable. Five cut-off distributions available: R2 (roadway), R3 (asymmetric), R4SC (forward throw, sharp cutoff), R4W (wide, forward throw), R5S (square).

Lens: .125" thick, impact-resistant tempered glass with thermally applied, silk-screened power door shield.

**Electrical**  
Electrical components mounted to heavy-gauge plate to maximize heat dissipation and structural integrity. Ballast: All ballasts are 100% factory tested. High reactance, high power factor for 150W and below. Constant wattage autotransformer 175W and above. MH: 150W and below are standard with pulse-start ignitor technology. Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required for 151-400W (must order SCWA option) for U.S. shipments only. CSA, NOM or INTL required for probe start shipments outside the U.S.

Socket: Horizontally oriented, mogul-base porcelain socket for 175W and above, medium base for 150W and below, with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W-600V, 4KV pulse rated.

**Installation**  
Mounting: Extruded aluminum arm for square pole mounting shipped in future carton as standard. Optional mountings available.

**Listings**  
UL Listed (standard), CSA Certified or NOM Certified (see Options). UL Listed for 25°C ambient and wet locations. IP65 rated.



**ORDERING INFORMATION** For shortest lead times, configure products using **bolded options**.

Example: KSF1 250S R3 TB SP09 LPI

Series	Lamp type <sup>1</sup>	Distribution	Voltage	Ballast	Mounting	Optional mounting, ships separately <sup>14</sup>
KSF1	High pressure sodium	R2 Type II roadway <sup>1</sup>	120	(blank) Magnetic ballast	Arm mounting	W809 9" arm for wall
KSF2	1000M <sup>2</sup>	R3 Type III asymmetric	208 <sup>11</sup>	CWI Constant wattage isolated <sup>1</sup>	SP04 4" arm for square pole <sup>4</sup>	WW09 9" arm for wood pole or wall
KSF3	100M <sup>2</sup>	R4 Type IV, FT <sup>13</sup>	240 <sup>11</sup>	SCWA Super CWA ballast	RP04 4" arm for round pole <sup>4</sup>	KMA External mast arm adaptor
	70S	R4SC Type IV, FT, sharp cutoff <sup>1</sup>	277		W804 4" arm for wall	SP12 12" arm for square pole
	100S	R4W Type IV, FT, wide <sup>13</sup>	347		WW04 4" arm for wood pole or wall	RP12 12" arm for round pole
	150S	R5S Type V symmetric square <sup>1</sup>	480 <sup>11</sup>		SP09 9" arm for square pole <sup>4</sup>	WB12 12" arm for wall
	250S		800 <sup>11</sup>		RP09 9" arm for round pole <sup>4</sup>	WW12 12" arm for wood pole or wall
	400S		23050HZ <sup>1</sup>			XTMB Twin mounting bar
	1000S					

Options		Finish		Lamped
<b>Ships installed</b>		(blank) Dark bronze (std.)	LPI Lamp included	
SF Single fuse, 120V, 277V, 347V	NOM Meets Mexican standards (consult factory)	DBL Black	L/LP Less lamp	
DF Double fuse, 208V, 240V, 480V	INTL Available for MH probe start shipping outside the U.S.	DGC Charcoal gray		
EC Emergency circuit <sup>17</sup>	<b>Ships separately<sup>17</sup></b>	DMB Medium bronze		
QRS Quartz restrike system <sup>1</sup>	PE1 NEMA twist-lock PE (120V-240V)	DNA Natural aluminum		
PER NEMA twist-lock receptacle only <sup>4</sup>	PE3 NEMA twist-lock PE (347V)	DWH White		
KW1 Kilowatch 120V control <sup>18</sup>	PE4 NEMA twist-lock PE (480V)	CR Enhanced corrosion resistance		
KW4 Kilowatch 277V control <sup>18</sup>	PE7 NEMA twist-lock PE (277V)	CRF Non-stick protective coating (black)		
CSA Meets Canadian standards				

**ADDITIONAL INFORMATION** For additional product information, visit [www.lithonia.com](http://www.lithonia.com).

SERIES	LAMP TYPE	DISTRIBUTION
KSF1	70S, 100S, 100M, 100MHC, 150S, 150M, 150MHC, 175M, 200M, 250M	R2, R3, R4SC
KSF2	250S, 320M, 350M, 400S, 400M	R2, R3, R4SC, R4W, R5S
KSF3	1000S, 1000M	R3, R4, R5S

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters).



Series	Length (in)	Length (cm)	Height (in)	Height (cm)	Width (in)	Width (cm)
KSF1	21-1/4	54.0	24-5/8	62.5	29-5/8	75.2
KSF2	15-1/2	39.3	17-3/4	45.1	23-5/8	59.9
KSF3	7-1/4	18.4	8-3/8	21.1	10-1/2	26.7

Max. weight: 35 lbs (15.9 kg) 52 lbs (23.6 kg) 80 lbs (36.3 kg)

- Notes**
- Specify lamp type and distribution. See Configurations table.
  - Not available with SCWA.
  - Universal, mogul base lamp allows KSF to be available with SCWA.
  - Must be ordered with SCWA.
  - Must use ED28 lamp.
  - Must use BT3 lamp with R5S.
  - Not applicable with LIP.
  - Not available KSF3.
  - Not available KSF1.
  - Not available KSF2.
  - Must specify CWI for use in Canada.
  - Must specify CWI for use in Canada.
  - Optional multi-tap ballast (120V, 208V, 240V, 277V, in Canada 120V, 277V, 347V; ships as 120V/347V.
  - Consult factory for available wattages.
  - KSF1, KSF2 must use 9" arm, KSF3 must use 12" arm when mounting two luminaires at 90°.
  - May be ordered as accessory.
  - Must specify finish.
  - Maximum allowable wattage lamp included.
  - Photocell not included.
  - Available with 150S, 250S and 400S only.
  - Prefix with figure name and size. VG, KSF1VG, KSF2VG, HS, KSF1HS, KSF2HS (for use with R2 or R3); KSF3HS (for use with R3 or R4).

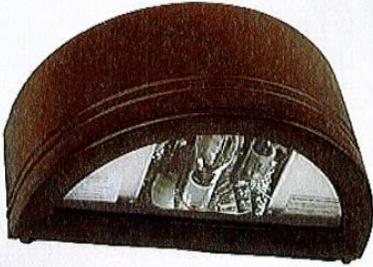
# Lighting (cont.)

## Examples for Corridor

Project Name \_\_\_\_\_ Type \_\_\_\_\_

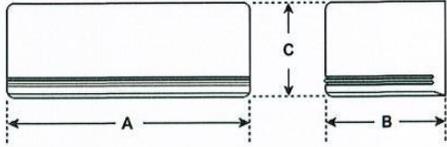
Catalog Number \_\_\_\_\_

Madison  
HID/CF






Dimensional Drawings



Fixture	A	B	C	Max. Watts	Lbs
MHC-1	18"	9"	7"	150 W	25

**The Madison wall sconce** is an architecturally-designed, low-profile, sharp-cut-off, wall mounted luminaire. The Madison meets NEC egress/emergency specifications when the CF/EBP options are selected.

**Lens:** The lens is clear, tempered, flat glass; secured with galvanized lens retainers and fully sealed with a form-fitting, silicone gasket.

**Housing:** The housing and door frame are made of heavy-duty, corrosion-resistant die cast aluminum, and formed with decorative twin reveals.

**Finish:** Durable Quall-Guard® textured thermoset polyester powder coat, oven-baked at a temperature of 400 °F to promote maximum adherence and finish hardness. Finish is guaranteed for two (2) years.

**Optics:** The optical system is of specular, segmented aluminum; and is designed for wide, medium and forward throws (Type II, Type III and Type IV optics) are Dark-Sky approved.

**Lamp:** A selection of Compact Fluorescent (32-84 watts) and HID light sources (50-150 watts) are offered; including Pulse Start Metal Halide for superior efficiency, lumen maintenance and color rendition.

**Ballast:** **HID** - Premium HPF regulating autotransformer, available in High Pressure Sodium or Pulse Start Metal Halide. **CF** - A high-performance, electronic transformer operates at 120 thru 277 volts, 50 to 60 Hz, with a 90% power factor, and is rated for -20 °C operation.

Model	Optics	Wattage	Source	Voltage	Mounting	Finish	Options	
MHC-1	Type II (T2) 	HID	PS HPS (P) (S)	120	Wall Mount *Down light only (DL)	Bronze (BZ)	<u>Button Type Photocell</u> *Specify voltage (PC120) (PC208) (PC240) (PC277)  Quartz Restrike (QR)  Fusing *Specify voltage Single in-line fuse (SF120) (SF277) Double in-line fuse (DF208) (DF240) (DF480)  Emergency Battery Pack *CF only. Provides at least 90 minutes' illumination during power outages. Rated to 32 °C. (EBP)  Cold Weather Battery Pack *CF only. Gives 90+ minutes of illumination during power outages. Rated to -20 °C. (CLDPK)	
		50 (50)		(1)				
	Type III (T3) 	70 (70)	208 (2)					
		100 (100)	240 (3)					
		150 (150)	277 (4)					
	Type IV (T4) 	Compact Fluorescent *120-277 V universal voltage	CF (CF)	480		M-Tap *Multi-Tap ballast wired at 277 V unless specified (6)		Forest Green (FG)
				32 (32)				
	DL 10/90 Throw *10% Up Light 90% Down Light (DL1090)	42 (42)	42x2 (42TTx2)	120-277 *Universal voltage (UNV)				Grey (GY)
	DL 50/50 Throw *50% Up Light 50% Down Light (DL5050)	42 (42)	42x2 (42TTx2)					Silver Metallic (SL)
					Custom Color (CC)			

For more detailed information on mounting, wiring or installation instructions, please consult factory. If poles are not ordered with fixtures, please specify mounting requirements. This document contains proprietary information of Visionaire Lighting, LLC. Any use of this information requires the written approval of Visionaire Lighting, LLC. In keeping with our TQM policy of continuous improvement, Visionaire reserves the right to change any specifications contained herein without prior notice.



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## APPLICATION FOR CERTIFICATE OF APPROVAL

### Hickman Corridor Design Criteria Review

Project Name: \_\_\_\_\_ Submittal Date: \_\_\_\_\_  
Address of Site: \_\_\_\_\_ Zoning District: \_\_\_\_\_  
Name of Owner/Manager's Representative: \_\_\_\_\_ Title: \_\_\_\_\_  
Address: \_\_\_\_\_ Phone: \_\_\_\_\_  
Name of Designer's Firm or Studio: \_\_\_\_\_  
Address: \_\_\_\_\_ Phone: \_\_\_\_\_  
Name of Designer's Representative: \_\_\_\_\_ Title: \_\_\_\_\_  
Application for : Sign \_\_\_\_\_ Bldg. \_\_\_\_\_ Landscaping \_\_\_\_\_ Lighting \_\_\_\_\_  
Other: \_\_\_\_\_

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**FOR OFFICE USE ONLY – DO NOT WRITE BELOW THIS LINE**

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## CERTIFICATE OF APPROVAL

### Hickman Corridor Design Criteria Review

This certifies that the "exterior design features" related to the above permit(s) for the site listed above have been approved by the City of Hickman, subject to the conditions stipulated in the design review comments attached.

\_\_\_\_\_  
Zoning Administrator

\_\_\_\_\_  
Date

## Submittal Requirements

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All exhibits required for the permanent file (noted in the following paragraphs) must be able to be reduced to "legal size" (8-1/2" x 14") by folding, photo reduction, etc. However, larger mounting boards, material samples, or other exhibits not meeting this criteria may be used for presentation purposes.

Three (3) black and white prints and one (1) colored print of the following required drawings shall be submitted to the City for presentation to the design review staff, review committee and/or architect.

An adequate number of *color* photographs are required to illustrate the existing nature of the proposed site, including any existing buildings and other existing features as well as the context of the proposed site. Photos may also be used to illustrate installations on other sites that are similar to the applicant's proposal.

### **A. BUILDING CONSTRUCTION, EXTERIOR REMODELING, AND ADDITIONS (INCLUDING PARKING LOTS AND LANDSCAPING) SUBMITTAL REQUIREMENTS**

1. *Site Plan.* A site plan is required containing the following information:
  - a. Scale and north arrow;
  - b. Address of site;
  - c. All property and street pavement lines;
  - d. Existing and proposed contours;
  - e. Gross area of tract stated in square feet;
  - f. If parking is involved, show calculations for determining the required number of off-street parking spaces as required by the City's zoning ordinance. Give the number of spaces actually proposed. Give the maximum number of employees, customers, and office vehicles that would be at the facility at any one time;
  - g. Proposed ingress and egress to the site, including on-site parking area(s), parking stalls, and adjacent streets. Delineate traffic flow with directional arrows and indicate the location of direction signs or other motorist's aids (if any);
  - h. Calculations for determining the required number of trees to be placed within the proposed parking area must be shown, as well as the designation of required buffer screens (if any) between the parking area and adjacent property;
  - i. Location of all isolated trees having a diameter of six (6) inches or more. (Tree masses may be shown with a diagrammatic outline and a written inventory of individual trees included.)
  - j. Existing landscaping that will be retained and proposed landscaping shall be differentiated and shown on the plan. The type, size, number, and spacing of all plantings must be illustrated;
  - k. Location of all existing (to remain) and proposed buildings on the site and all buildings within fifty (50) feet of the site's boundaries;
  - l. Location of all existing (to remain) and proposed lighting standards.
  - m. Finished sidewalk locations – in, around and outside of lot.
2. *Elevations.* Complete elevations of all proposed construction and related elevations of existing structures (if any) are required containing the following information:
  - a. Scale;
  - b. All signs to be mounted on the elevations;
  - c. Designation of the kind, color, and texture of all primary materials to be used.
3. *Material Samples.* Material samples are required for all major materials.

### **B. FREE-STANDING GROUND SIGNS SUBMITTAL REQUIREMENTS**

1. *Site Plan.* A site plan is required containing the following information:
  - a. Scale and north arrow;
  - b. Address of site;
  - c. All property and street pavement lines;
  - d. Proposed ingress and egress to site, including on-site parking area(s), parking stalls, and adjacent streets. Delineate the traffic flow with directional arrows and indicate the location of direction signs and other motorist's aids (if any);
  - e. Location of existing and proposed landscaping;
  - f. Location and height of all buildings on the site and all buildings within fifty (50) feet of the site's boundaries;
  - g. Location and height of all existing (to remain) and proposed signs on the site. Show required setbacks for sign from property lines;
2. *Elevation.* An elevation is required of each face of the proposed sign showing the following information:
  - a. All specifications including size of letters and graphics;

### **C. WALL SIGN SUBMITTAL REQUIREMENTS**

1. *Sign Drawing.* A scaled drawing of each face of the proposed wall sign is required showing the following information:
  - a. All size specifications, including the size of letters and graphics;
  - b. Description of sign and frame materials and colors;
2. *Elevation.* An elevation drawn to scale of the entire wall of the building to which the sign is to be fixed, correctly locating the sign.

### **D. LIGHTING SUBMITTAL REQUIREMENTS**

1. *Site Plan.* A site plan is required containing the following information:
  - a. Scale and north arrow;
  - b. Address of site;
  - c. All property and street pavement lines;
  - d. Proposed ingress and egress to the site, including on-site parking area(s), parking stalls, and adjacent streets;
  - e. Existing landscaping that will be retained and proposed landscaping;
  - f. Location and height of all existing (to remain) and proposed buildings on the site and all buildings within fifty (50) feet of the site's boundaries;
  - g. Location of all existing (to remain) and proposed lighting standards, and circumference area that will be lighted by each standard.
2. *Lighting Standard Drawing.* A scaled drawing of the proposed lighting standard(s) is required and should contain the following information:
  - a. All size specifications;
  - b. Information on lighting intensity (number of watts, isofootcandle diagram, etc.);
  - c. Materials, colors.