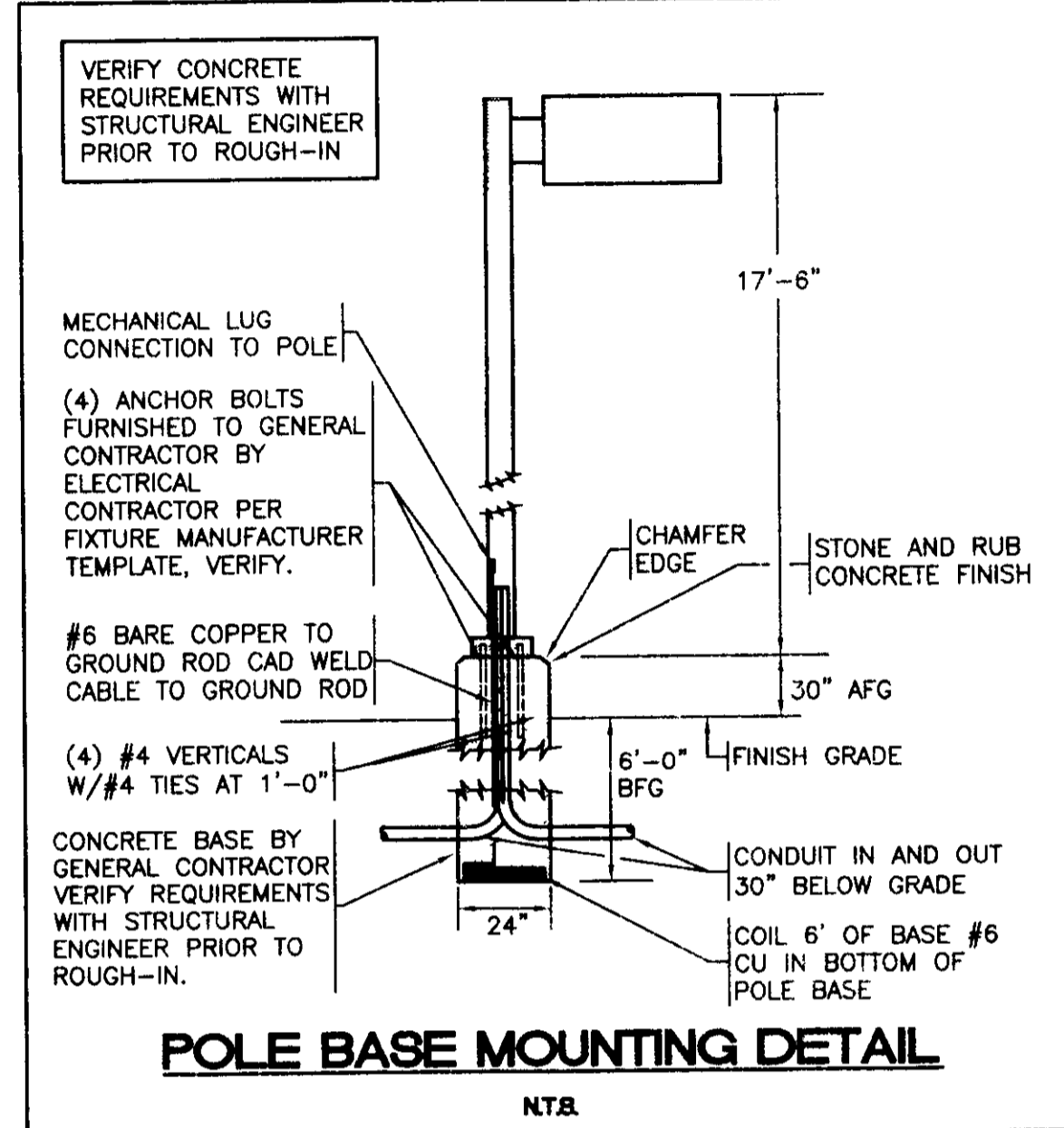
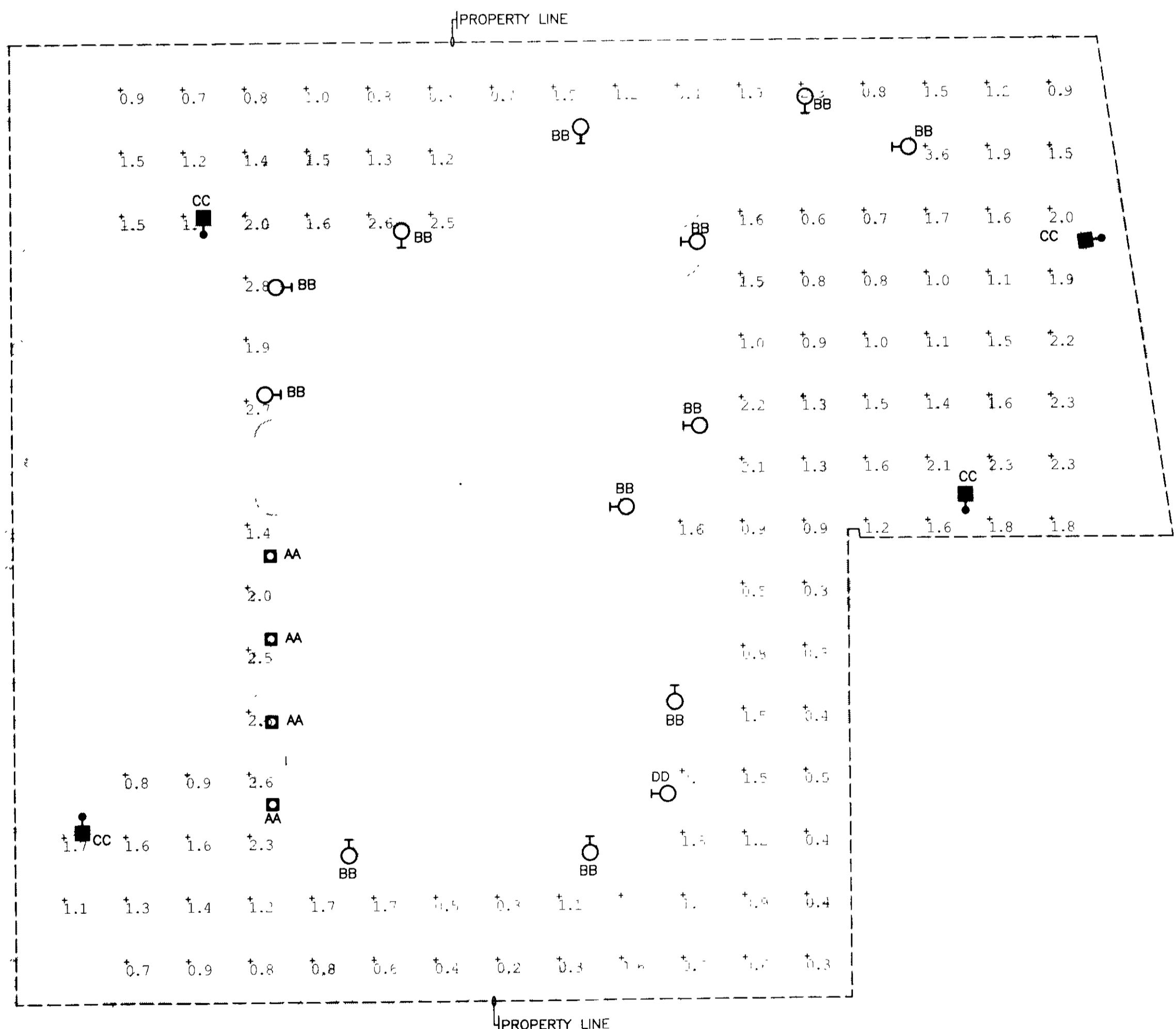
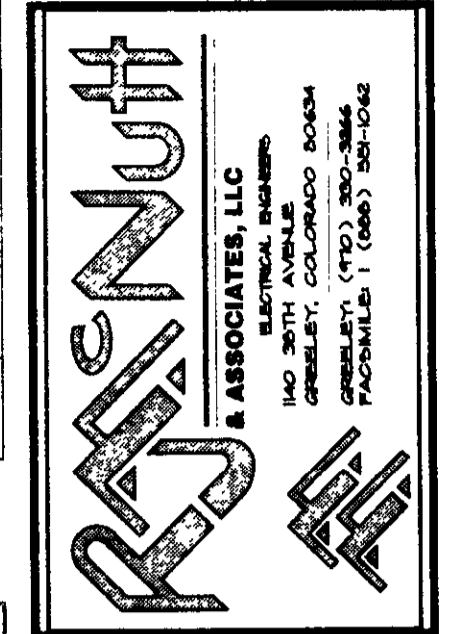
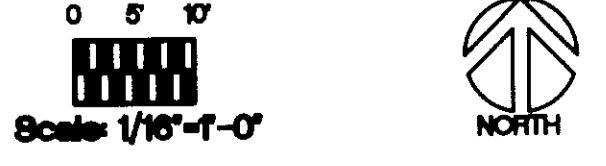


Label	Calc Type	Units	Avg	Max	Min	Max/Min
GENERAL AREA	Illuminance	Fc	1.34	3.6	0.2	18.00

LIGHTING FIXTURE SCHEDULE								
TYPE	LAMPS	DESCRIPTION	FINISH	MOUNTING	MANUFACT.	CATALOG #	VOLT.	NOTES
AA	LED 10W 3000K	EXTERIOR RECESSED LED DOWNLIGHT, DAMP LISTED, WHITE OPAL DIFFUSER, GASKETED. 600 LUMEN OUTPUT, 9.4 TOTAL SYSTEM WATTS.	WHITE BAFFLE	RECESSED	HALO	H750TCP-RL560WH	120	
BB	LED 10W 3500K	EXTERIOR WALL MOUNTED LED DOWNLIGHT, WET LISTED. 719 LUMEN OUTPUT, 10 TOTAL SYSTEM WATTS.	CARBON BRONZE	WALL +10'-0" SEE ARCH. ELEVATIONS	LUMARK	XTOR1A-N	MV	
CC	LED 51W 3000K	POLE MOUNTED SQUARE LED AREA LIGHT. DARK SKY COMPLIANT. TYPE III DISTRIBUTION WITH SPILL CONTROL. 17'6" STRAIGHT SQUARE STEEL POLE. 4,625 LUMEN OUTPUT, 51 TOTAL SYSTEM WATTS.	BRONZE	POLE +20'-0" SEE DETAIL	LUMARK	LDRV-SL3-B02-E-8030-BZ/ SSS4A17.5SF-M1	MV	
DD	LED 27W 3000K	WALL MOUNTED SQUARE LED AREA LIGHT. DARK SKY COMPLIANT. TYPE III DISTRIBUTION. 2,285 LUMEN OUTPUT, 27 TOTAL SYSTEM WATTS.	BRONZE	WALL +12'-0" SEE ARCH. ELEVATIONS	LUMARK	LDRV-T3-B01-E-8030-WM-BZ	MV	



SITE PHOTOMETRIC PLAN



HAUSER
ARCHITECTS

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FORT COLLINS VETERINARY EMERGENCY AND REHABILITATION HOSPITAL ADDITION / REMODEL
808 & 816 S. LEMAY AVENUE
FORT COLLINS, COLORADO 80524

SHEET TITLE: **SITE PHOTOMETRIC PLAN**

PROJECT NO.	3/13/15
DRAWN	CAD
FINAL PDP SET	11/15/15
CHECKED	



This unofficial copy was downloaded on Jul-17-2019 from the City of Fort Collins Public Records Website: http://citydocs.fcgov.com. For additional information or an official copy, please contact Engineering Office 281 North College Fort Collins, CO 80521 USA.

DESCRIPTION

The Halo RL560 is a complete LED Baffle-Trim Module for 5" and 6" aperture recessed downlights, suitable for new construction, remodel and retrofit installation. The RL560 is UL Listed for use with Halo and All-Pro, and is UL Classified for use with other compatible 5" and 6" housings. The RL560 with integral LED driver offers 120 volt dimming capability. The RL560 also provides uniform illumination and wet location listing. The die-cast construction makes any housing AIR-TITE for added HVAC savings and code compliance.

SPECIFICATION FEATURES

INSTALLATION

- Module includes LED, heat sink, reflector, lens, baffle-trim and driver.
- Durable die-cast aluminum construction.
- Heat sink designed to conduct heat away from the LED, keeping the junction temperature below specified maximums, even when installed in insulated ceiling environments.
- Halo matte white paint finish.
- Halo satin red/pale pink finish.
- Impact-resistant polycarbonate convex form for lamp-like appearance.
- High lumen transmission.
- Diffusing for even illumination.

INSTALLATION

- Precision formed torsion spring brackets secure torsion springs to fit compatible housings with torsion spring mounting tabs.
- 5" & 6" Precision Blade Kit stainless steel friction blades provide alternative to torsion springs for retrofit in 5" and 6" housings without torsion spring mounting tabs.
- Friction blade design allows the RL560 to be installed in any position within the housing aperture (360 degrees).
- Replacement kit model RL560P.

Housing Compatibility

- See Housing Compatibility
- LED
- 800 lumens
- Color Temperature: 3000K
- CR: 83
- Lumen Maintenance: 170,000 hours
- 70% lumens / 50,000 hours
- Efficient 84 Lumens per Watt
- LED is a chip on board design consisting of a multiple LED package to create one virtual light source for a productive "zone of light"

ELECTRICAL

- LED connector is a non-acrew base luminaire designed offering easy installation with the matching Halo 5" 1650 Series and 6" 1750 Series housings

COOPER Lighting

www.cooperlighting.com

LED Connector meets California Title 24 High-Efficiency Luminaire requirements for a non-acrew base luminaire, and returns required to qualify as a high-efficiency luminaire.

- The included LED medium screw-base Edison socket provides easy retrofit of non-dimmable housings (see Housing Compatibility).
- Separate grounding cable included on the module for attachment to the housing during installation.

Mounting

- UL Classified for use with All-Pro housings - see Housing Compatibility.
- UL-Listed for use with Halo housings.
- UL-Listed for use with Halo housings.
- UL-Listed for use with Halo housings.

LED Driver

- Dimmable driver is 120 Volt, high efficiency, electronic power supply providing DC power to the LED.
- Driver meets FCC EMI/RFI Consumer Level limits for use in residential and commercial installations.

Dimming

- Driver features high power factor, low THD, and has integral thermal protection in the event of over temperature or internal failure.
- Driver is specifically designed for compatibility with RL560 series LED.

Blending

- The Halo RL560 LED module is designed for dimming capability to 10% in retrofit operation with standard 120V electronic low voltage, LED-rated, and energy independent dimmers.
- The RL560 has dimming capability to 0% with select dimmers with low end trim adjustment. (Consult dimmer manufacturer for dimmer compatibility and details. Note, some dimmers require a neutral in the wall(s).)

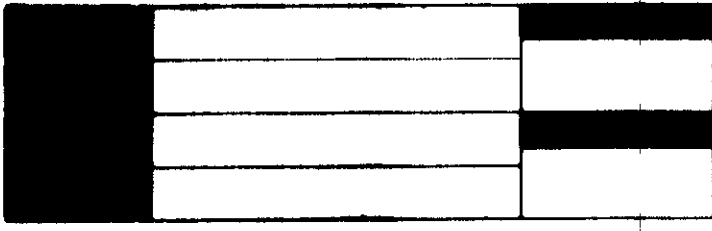
RL560 Series Energy Data:

Model of non-dimming kit voltage	120V
Minimum Energy Usage - 20°C (20°F)	0.32 W
Maximum Energy Usage - 20°C (20°F)	0.32 W
Operating Class A dimming	0.32 W
Power Factor @ 120V	0.99
Temp. Coefficient	0.99
Temp. Coefficient	0.99

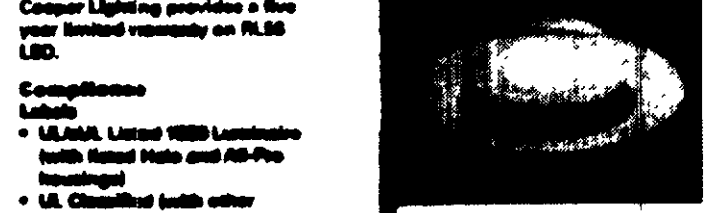
COOPER Lighting

www.cooperlighting.com

HALO



RL560 - White



RL560H - Satin Nickel



RL560H - Satin Nickel



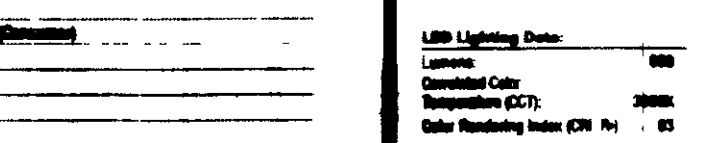
RL560H - Satin Nickel



RL560H - Satin Nickel



RL560H - Satin Nickel



RL560H - Satin Nickel



RL560H - Satin Nickel

ADV12080 August 15, 2012 11:17 AM

DESCRIPTION

The patent pending Lumark Crosstour™ LED Wall Pack Series of luminaires provides an architectural style with superior energy efficient LEDs. The low profile, rugged die-cast aluminum construction, universal back box, stainless steel hardware along with a sealed and gasketed optical compartment make the Crosstour impervious to contaminants. The Crosstour wall luminaire is ideal for well-surface mounted for landscape/entry illumination, post-fixture site lighting, floodlight and low level pathway illumination including entry. Typical applications include building entrances, multi-use facilities, apartment buildings, institutions, schools, stairways and loading docks.

SPECIFICATION FEATURES

Construction

- Slim, low profile LED design with rugged one-piece, die-cast aluminum hinged removable door and back box. Matching housing styles incorporate both a small and large design. The small housing is available in 10W and 20W. The large housing is available in the 30W model. Patented secure lock hinge feature allows for safe and easy tool-less electrical connections with the supplied push-in connectors. Back box includes three (3) half inch, NPT threaded conduit entry points. The universal back box supports both the small and large forms and mounts to standard 3-1/2" to 4" round and octagonal, 4" square single gang and masonry junction boxes. Key hole gasket allows for adaptation to junction box or well. External fin design extracts heat from the LED source. 10W models operate in -40°C to 40°C (40°F to 104°F). 20W and 30W models operate in -30°C to 40°C (-22°F to 104°F). Crosstour luminaires maintain greater than 70% of initial light output after 50,000 hours of operation. Three (3) half inch

Optical

- Silicone sealed optical LED chamber incorporates a custom engineered mirrored anodized reflector providing high-efficiency illumination. Optical enclosure includes impact resistant tempered glass and meets IESNA requirements for full cutoff compliance. Solid state LED Crosstour luminaires are thermally optimized with five (5) lumens per watt (lm/w) or neutral warm 3500K LED color temperature (CCT).

Electrical

- LED driver is mounted to the die-cast housing for optimal heat sinking. LED thermal management system incorporates both conduction and natural convection to transfer heat rapidly away from the LED source. 10W models operate in -40°C to 40°C (40°F to 104°F). 20W and 30W models operate in -30°C to 40°C (-22°F to 104°F). Crosstour luminaires maintain greater than 70% of initial light output after 50,000 hours of operation. Three (3) half inch

Warranty

- Five year limited warranty

Finish

- Crosstour is protected with a Super durable TGIC carbon bronze or sunburst white polyester powder coat finish. Super durable TGIC powder coat paint finishes withstand extreme climate conditions while providing optimal color and gloss retention of the installed life.

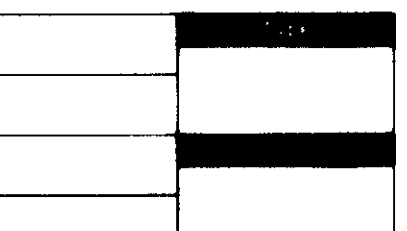
Applications

- WALL / SURFACE MOUNT / BOLLARD LIGHT / LOW LEVEL FLOODLIGHT / BRIGHT SITE LIGHTING

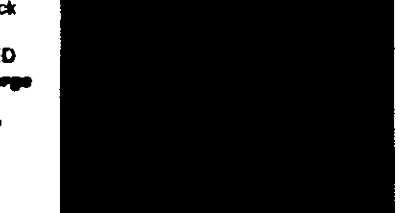
DESIGNLIGHTS

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LUMARK



Crosstour LED



Crosstour LED



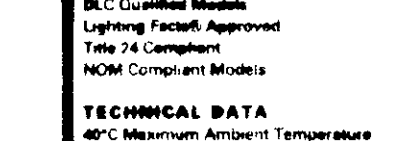
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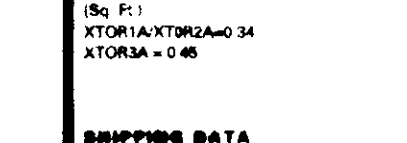
Crosstour LED



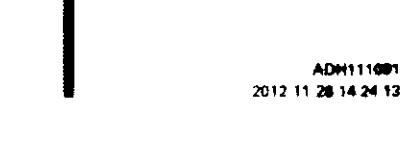
Crosstour LED



Crosstour LED



Crosstour LED



Crosstour LED

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DESCRIPTION

The Ridgeview™ LED area roadway luminaire is the compact, efficient, economical approach to LED area lighting. A pure blend of traditional form and LED efficiency, Ridgeview provides functional, low profile design with excellent operating performance. Patented modular LightBAR™ technology delivers uniform and energy-conscious illumination to parking lots and perimeter security lighting applications.

SPECIFICATION FEATURES

Construction

- Rugged one-piece, die-cast aluminum housing secures the thermally conductive LED panel and electrical chamber. Low profile, 30 vibration rated stamped design minimizes wind load requirements. Extruded aluminum frame secured with stainless steel hardware confines the LightBAR panel to the thermally conductive housing. The unique glide bracket LightBAR panel allows for easy access to the electrical chamber.

Optics

- Choice of twelve (12) patented, high efficiency AccuLED Optics™ manufactured from injection-molded acrylic. Optics are precisely designed to shape the distribution maximizing efficiency and application spacing. AccuLED optics create consistent distributions with the scalability to

Electrical

- LED drivers are hard mounted to die-cast aluminum back casting for optimal heat sinking and operation efficiency. 120-277V 50/60HZ, 347V 60HZ, 480V 50/60 HZ operation. Shipped standard with Cooper Lighting proprietary circuit module designed to withstand 10kV of transient line surge. 50,000 hours of life with >70% lumen maintenance. The Ridgeview LED luminaire is suitable for operating temperatures from -30°C to 40°C. LightBARs feature IP66 enclosure rating.

Mounting

- Cast aluminum 6" arm includes bolt guides allowing for easy

Finish

- Components finished in a 5-stage Super TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Standard color is bronze. Optional colors include black, grey, white, dark platinum and graphite metallic. RAL and custom color matches available.

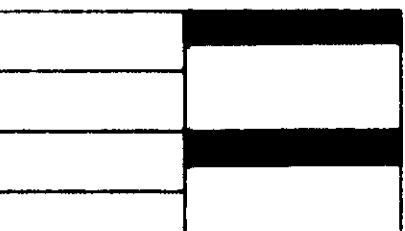
Warranty

- Ridgeview features a five-year limited warranty.

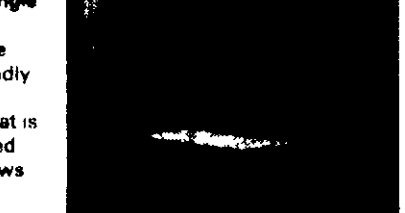
Applications

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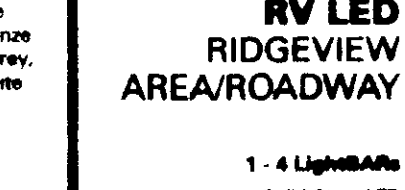
LUMARK



Ridgeview LED



Ridgeview LED



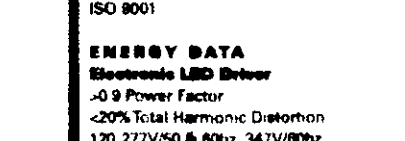
Ridgeview LED



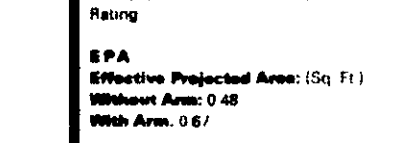
Ridgeview LED



Ridgeview LED



Ridgeview LED

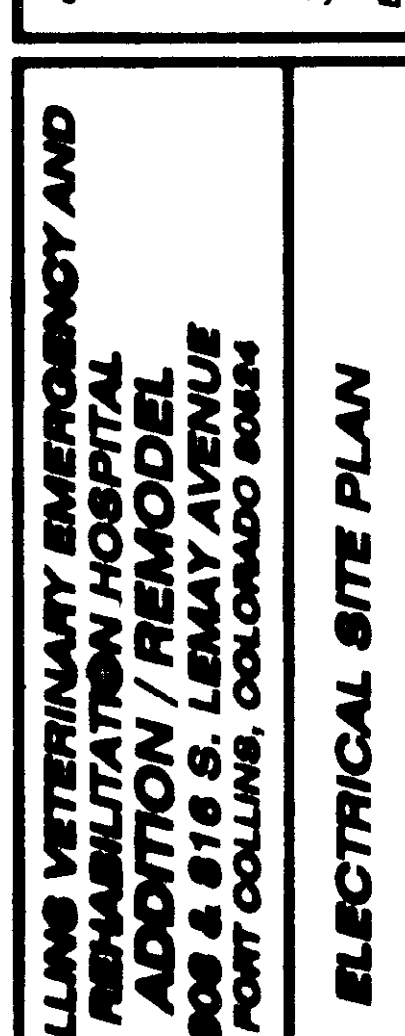
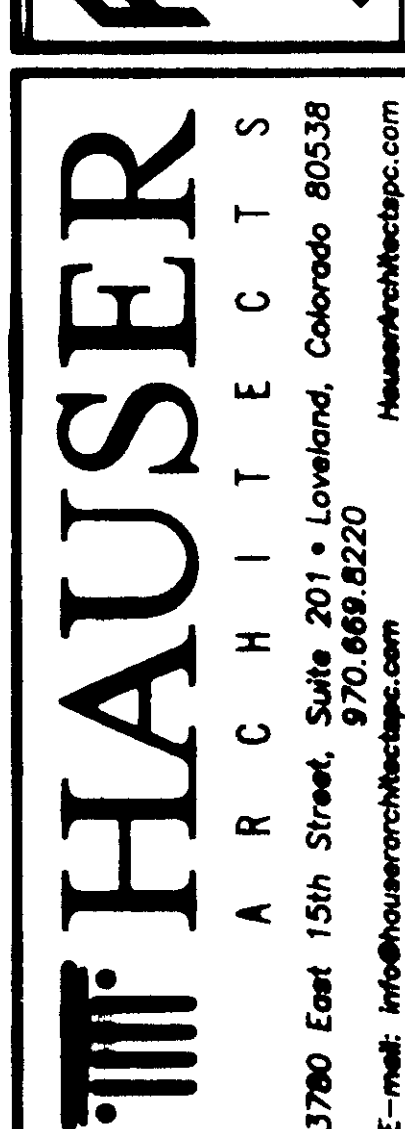
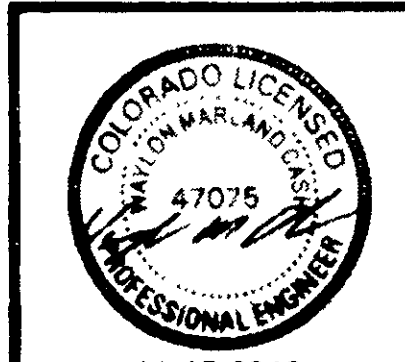


Ridgeview LED



Ridgeview LED

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SCALE	AS SHOWN
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