



Perspective 1 - Mineral Point Road Terrace

JSD Professional Services, Inc.
• Engineers • Surveyors • Planners

CBL
CBL & ASSOCIATES PROPERTIES, INC.



Perspective 2 - Internal Pedestrian Connection

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• Engineers • Surveyors • Planners

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Perspective 3 - Mineral Point Road Intersection

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• Engineers • Surveyors • Planners

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Perspective 4 - Jason's Deli Front Entry

JSD Professional Services, Inc.
• Engineers • Surveyors • Planners

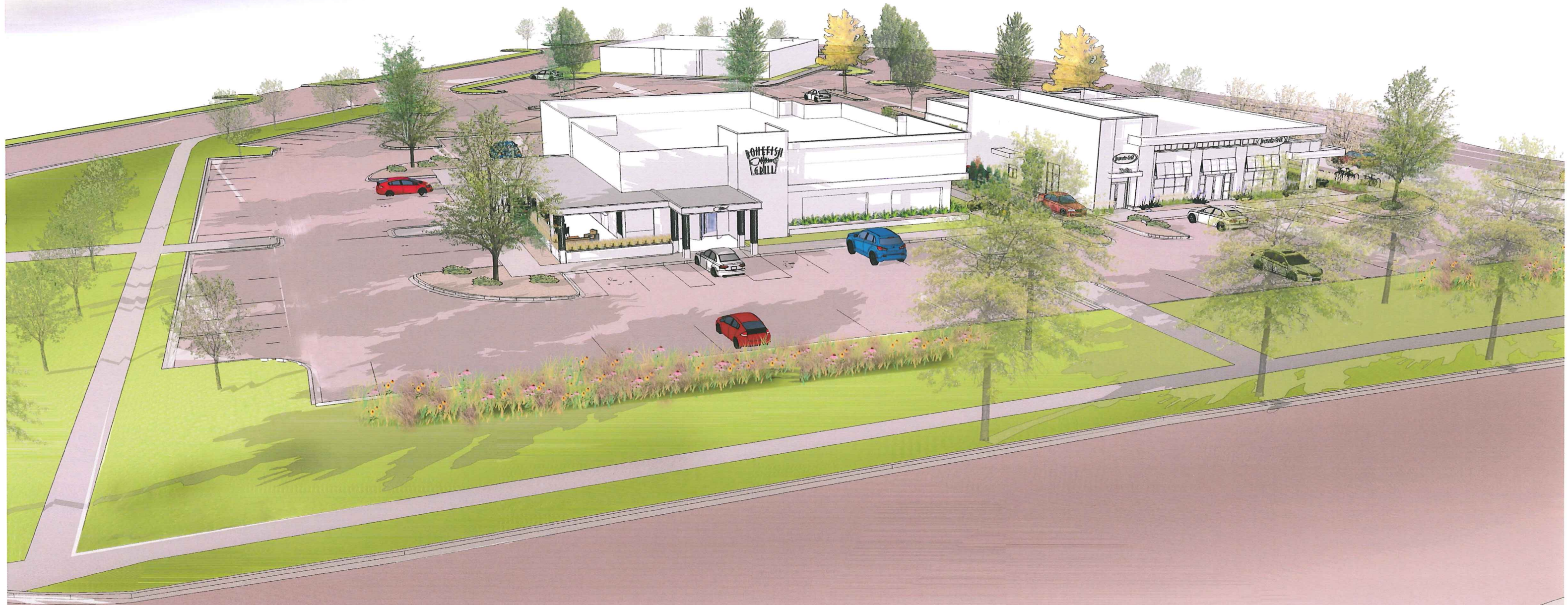
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Perspective 5 - Jason's Deli Patio

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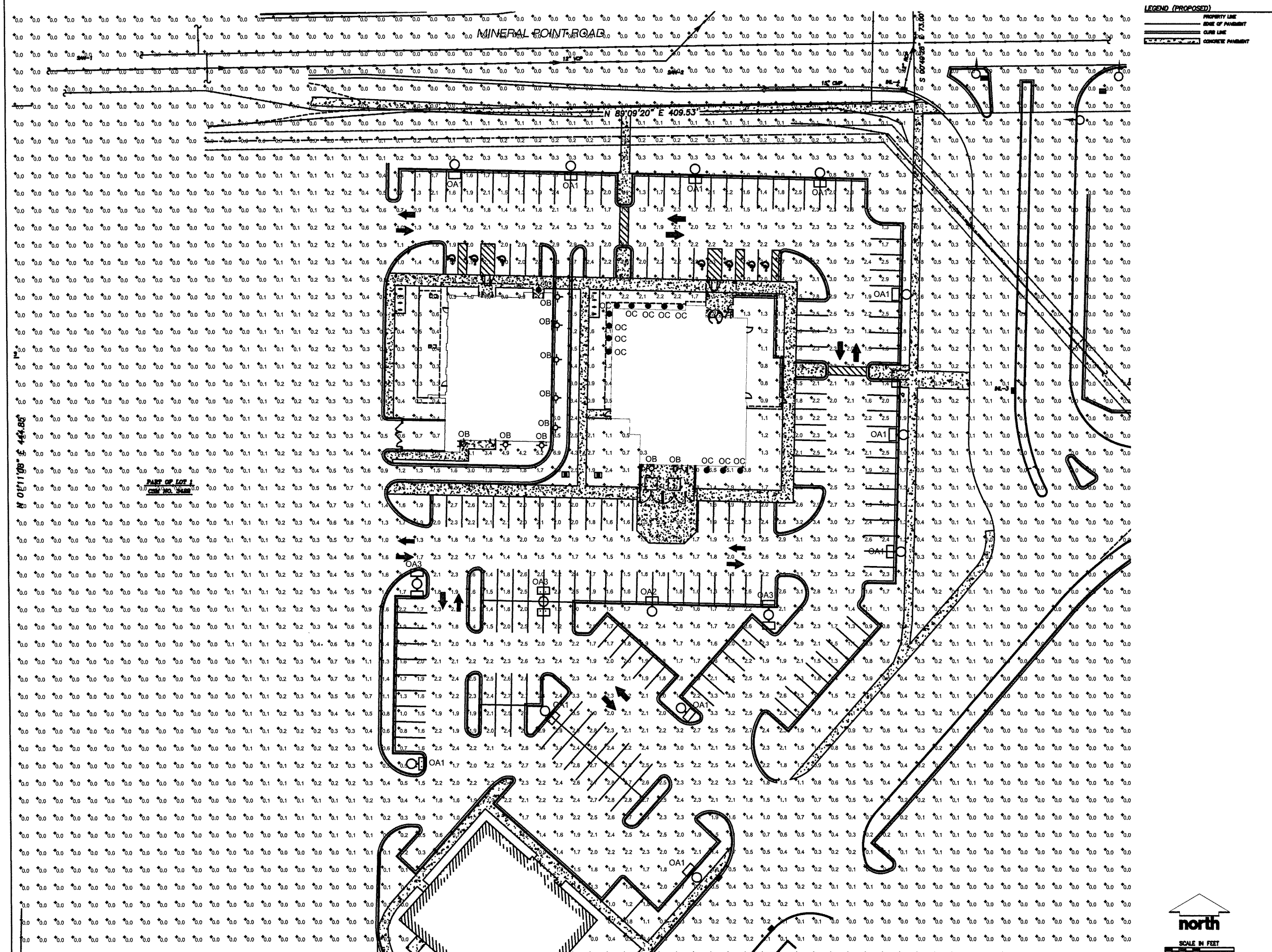
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Perspective 6 - Site Overview

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LEGEND (PROPOSED)
 PROPERTY LINE
 EDGE OF PAVEMENT
 CURB LINE
 CONCRETE PAVEMENT

JSD Professional Services, Inc.
 Engineers • Surveyors • Planners
 "BUILDING RELATIONSHIPS WITH A COMMITMENT TO CLIENT SATISFACTION THROUGH TRUST, QUALITY AND EXPERIENCE"
 • CIVIL ENGINEERING
 • SURVEYING & MAPPING
 • CONSTRUCTION SERVICES
 • WATER RESOURCES
 • PLANNING & DEVELOPMENT
 • TRANSPORTATION ENGINEERING
 • STRUCTURAL ENGINEERING
 • LANDSCAPE ARCHITECTURE
 MADISON REGIONAL OFFICE
 151 HORIZON DRIVE, SUITE 101
 VERONA, WISCONSIN 53593
 608.848.5066 PHONE | 608.848.2255 FAX
 MADISON | MILWAUKEE
 KENOSHA | APPLETON
 www.jsdinc.com

SERVICES PROVIDED TO:
 PROJECT:
7401 MINERAL POINT ROAD
 PROJECT LOCATION:
 COUNTY, WI

JSD PROJECT NO.:
 SEAL SIGNATURE:

ALTHOUGH EVERY EFFORT HAS BEEN MADE IN PREPARING THESE PLANS AND CHECKING THEM FOR ACCURACY, THE CONTRACTOR AND SUBCONTRACTORS MUST CHECK ALL DETAIL AND DIMENSIONS OF THEIR TRADE AND BE RESPONSIBLE FOR THE SAME.

DESIGN:
 DRAWN:
 APPROVED:
 PLAN MODIFICATIONS:

DIGGERS HOTLINE
 Toll Free (800) 242-8511
 Milwaukee Area (414) 251-1131
 Hearing Impaired TDD (800) 542-2289
 www.DiggersHotline.com

SHEET TITLE:
SITE LIGHTING PLAN
 SHEET NUMBER:
ES-1.0

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- CIVIL ENGINEERING
 - SURVEYING & MAPPING
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 - WATER RESOURCES
 - PLANNING & DEVELOPMENT
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- MADISON REGIONAL OFFICE
161 HORIZON DRIVE, SUITE 101
VERONA, WISCONSIN 53593
608.848.5000 PHONE | 608.848.2255 FAX
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www.jsdinc.com

LIGHTING FIXTURE SCHEDULE													
TYPE	LIGHTING FIXTURE			MOUNTING	CEILING TYPE	LENS	VOLT	LAMP DATA					NOTES:
	DESCRIPTION	MANUFACTURER	CATALOG NO.					NO.	WATT	TYPE	MANUFACTURER	CATALOG NO.	
OA1	SINGLE HEAD PARKING LOT POLE	McGRAW-EDISON	TLL-320-MP-MT-SL-BZ-MA1010-BZ	POLE	NA	GLASS	120V	1	320W	PSMH	GE	MVR320/VBU/PA	35 FOOT SQUARE STEEL POLE ON 3 FOOT BASE
OA2	SINGLE HEAD PARKING LOT POLE	McGRAW-EDISON	TLL-320-MP-MT-4F-BZ-MA1010-BZ	POLE	NA	GLASS	120V	1	320W	PSMH	GE	MVR320/VBU/PA	35 FOOT SQUARE STEEL POLE ON 3 FOOT BASE
OA3	DOUBLE HEAD PARKING LOT POLE	McGRAW-EDISON	(2)TLL-320-MP-MT-SL-BZ-MA1011-BZ	POLE	NA	GLASS	120V	1	320W	PSMH	GE	MVR320/VBU/PA	35 FOOT SQUARE STEEL POLE ON 3 FOOT BASE
OB	CUTOFF WALLPACK FIXTURE	KENALL	FM13L-4-7-XX-50L40K-DY-SA	WALL	NA	GLASS	120V	1	50W	LED	NA	NA	
OC	CUTOFF WALLPACK FIXTURE	CREE	LR4E-15-H4-LT-15AW/LT4-30W	CEILING	XX	OPEN	120	1	10.5	LED	NA	NA	
OC1	CUTOFF WALLPACK FIXTURE	INTENSE	IFH628-E-IC810C	CEILING	XX	OPEN	120	1	28W	CFL	GE	F280BK74/SPX41	

SERVICES PROVIDED TO:

PROJECT:
7401 MINERAL POINT ROAD

PROJECT LOCATION:
COUNTY, WI

JSD PROJECT NO.:

SCALE/SIGNATURE:

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IN PREPARING THESE PLANS AND CHECKING
THEM FOR ACCURACY, THE CONTRACTOR
AND SUBCONTRACTORS MUST CHECK ALL
DETAILS AND DIMENSIONS OF THEIR TRADE
AND BE RESPONSIBLE FOR THE SAME.

DESIGN: _____
DRAWN: _____
APPROVED: _____

PLAN MODIFICATIONS:



Toll Free (800) 242-8511
Milwaukee Area (414) 259-1181
Hearing Impaired TDD (800) 542-2289
www.DiggersHotline.com

SHEET TITLE:
SITE LIGHTING
SCHEDULES

SHEET NUMBER:
ES-2.0

DESCRIPTION

The McGraw-Edison Talon is the most versatile, functionally designed, universally adaptable outdoor luminaire available. The Talon brings outstanding performance to walkways, parking lots, roadways, loading docks, building areas, and any security lighting application. U.L. listed and CSA certified for wet locations. IP65 Rated.

Catalog #	Type
Project	OA1, OA2 & OA3
Comments	Date
Prepared by	

SPECIFICATION FEATURES

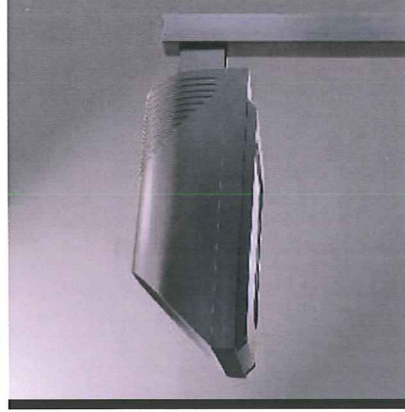
Construction
One-piece heavy-wall, die-cast aluminum construction with integral reveal channels along top surface of housing. Internal cast-in wall separates optical and electrical chambers allowing components to operate cooler. One-piece die-cast aluminum door frame with integral cast-in gasket channel seals optical chamber to an IP65 rating. Stainless steel latches and hinges allow for toolless opening and removal of door frame.

Electrical
Electrical componentry mounted on a swing-down galvanized steel power tray with integral handle. Electrical disconnects allow tray to be completely removed from the housing providing ample hand and tool room for attachment of fixture during installation.

Optical
REFLECTOR: Choice of 14 high efficiency optical systems utilizing horizontal and vertical lamp orientations. Optional high efficiency segmented optical systems constructed of premium 95% reflective anodized aluminum sheet. Optical segments are rigidly mounted inside a thick gauge aluminum housing for superior protection. All segment faces are clean of rivet heads, tabs or other means of attachment which may cause streaking in the light distribution. Standard with mogul-base socket. All optical modules feature quick disconnect wiring increments.

Mounting
Extruded 10 1/2" aluminum arm includes internal bolt guides allowing for easy positioning of fixture during installation to pole or wall surface. Standard single carton packaging of housing, square pole arm and round pole adapter for contractor friendly arrival of product on site.

Finish
Housing and arm finished in a 5 stage premium TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Standard colors include black, bronze, grey, white, dark platinum, and graphite metallic. RAL and custom color matches available. Consult the McGraw-Edison Architectural Colors brochure for the complete selection.

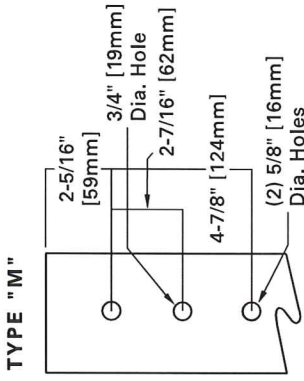
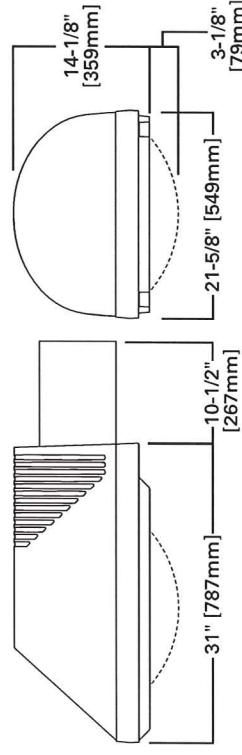


**TLL
TALON LARGE**

250 - 1000W
Pulse Start Metal Halide
High Pressure Sodium
Metal Halide

**ARCHITECTURAL
AREA LUMINAIRE**

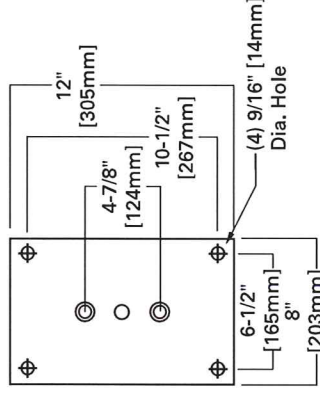
DIMENSIONS



WATTAGE TABLE

Lamp Type	Wattage
Pulse Start Metal Halide (MP)	250, 320, 350, 400, 450, 750, 875, 1000W
High Pressure Sodium (HPS)	250, 400, 750, 1000W
Metal Halide (MH)	250, 400, 1000W

WALL DRILLING



**DARK SKY
COMPLIANT** FCO
Full Cutoff

NOTE: In all flat glass configurations only.

ENERGY DATA

CWA Ballast Input Watts
250W HPS HPF (295 Watts) ©
250W MP HPF (283 Watts) ©
320W MP HPF (361 Watts) ©
350W MP HPF (397 Watts) ©
400W HPS HPF (457 Watts) ©
400W MP HPF (452 Watts) ©
450W MP HPF (508 Watts) ©
750W HPS HPF (840 Watts) ©
750W MP HPF (820 Watts) ©
1000W HPS HPF (1100 Watts) ©
1000W MP HPF (1070 Watts) ©
1000W MH HPF (1080 Watts) ©

EPA

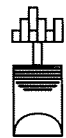

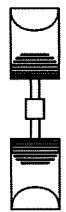
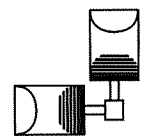
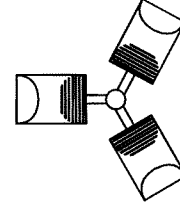
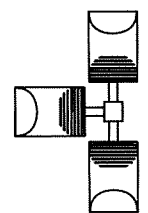
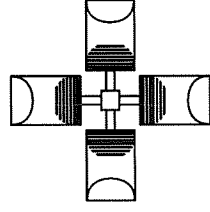
Effective Projected Area: (Sq. Ft.)
3.28 with 10.5" ARM

SHIPPING DATA

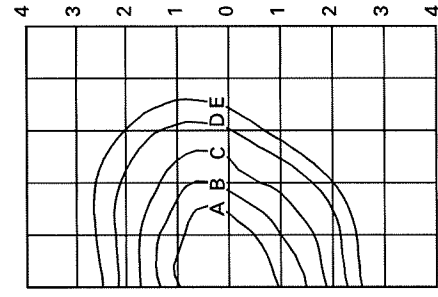
Approximate Net Weight:
400W 91 lbs. (41.36 kgs.)
1000W 98 lbs. (44.54 kgs.)



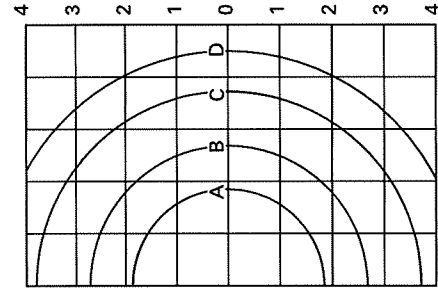
MOUNTING CONFIGURATIONS

Wall Mount	Arm Mount Single	Arm Mount 2 @ 180°	Arm Mount 2 @ 90°	Arm Mount 3 @ 120°	Arm Mount 3 @ 90°	Arm Mount 4 @ 90°
						
E.P.A.	3.28	6.14	6.16	7.13	6.56	7.38
TLL						

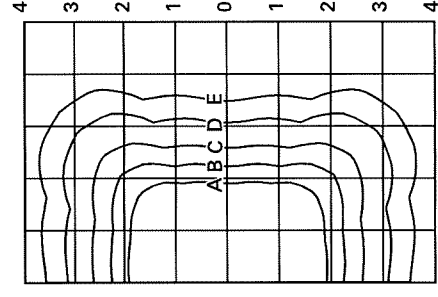
PHOTOMETRICS [Complete IES files available at www.cooperlighting.com]



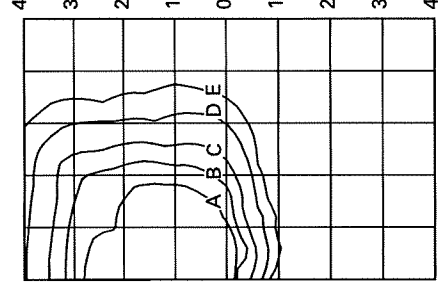
TLL-400-MP-3F-FG
400-Watt MP
40,000-Lumen Clear Lamp
Type III Formed
Flat Glass



TLL-400-MP-AR-SG
400-Watt MP
44,000-Lumen Clear Lamp
Area Round
Seg Glass



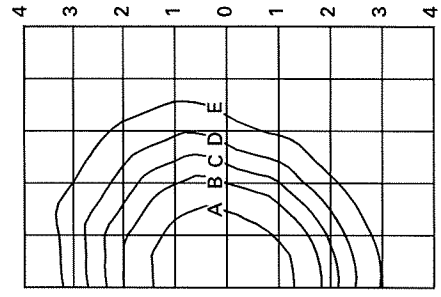
TLL-1000-MH-AS-FG
1000-Watt MH
110,000-Lumen Clear Lamp
Area Square
Flat Glass



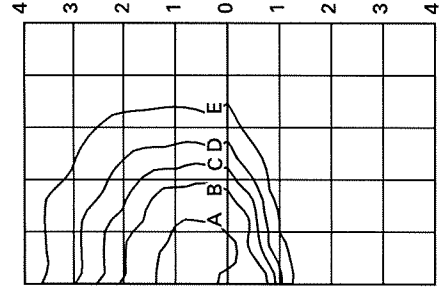
TLL-1000-MH-SL-FG
1000-Watt MH
110,000-Lumen Clear Lamp
Spill Light Eliminator
Flat Glass

Footcandle Table
Select mounting height and read across for footcandle values of each isofootcandle line. Distance in units of mounting height.

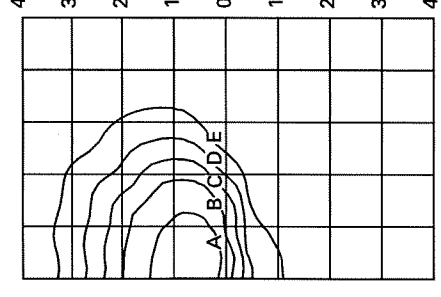
Mounting Height	Footcandle Values for Isofootcandle Lines				
	A	B	C	D	E
400W [3F]/1000W [AS/SL]					
25'	2.88	1.44	0.72	0.29	0.14
30'	2.00	1.00	0.50	0.20	0.10
35'	1.46	0.73	0.37	0.15	0.07
400W [AR]					
25'	1.44	0.72	0.29	0.14	--
30'	1.00	0.50	0.20	0.10	--
35'	0.73	0.37	0.15	0.07	--



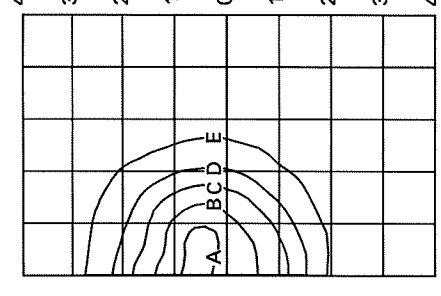
TLL-1000-MH-3V-FG
1000-Watt MH
110,000-Lumen Clear Lamp
Type III Vertical
Flat Glass



TLL-1000-MH-4V-FG-HS
1000-Watt MH
110,000-Lumen Clear Lamp
Type IV Automotive Perimeter
Flat Glass w/House-side Shield



TLL-1000-MH-3V-FG-EHS
1000-Watt MH
110,000-Lumen Clear Lamp
Type III Vertical
Flat Glass - External
House-side Shield



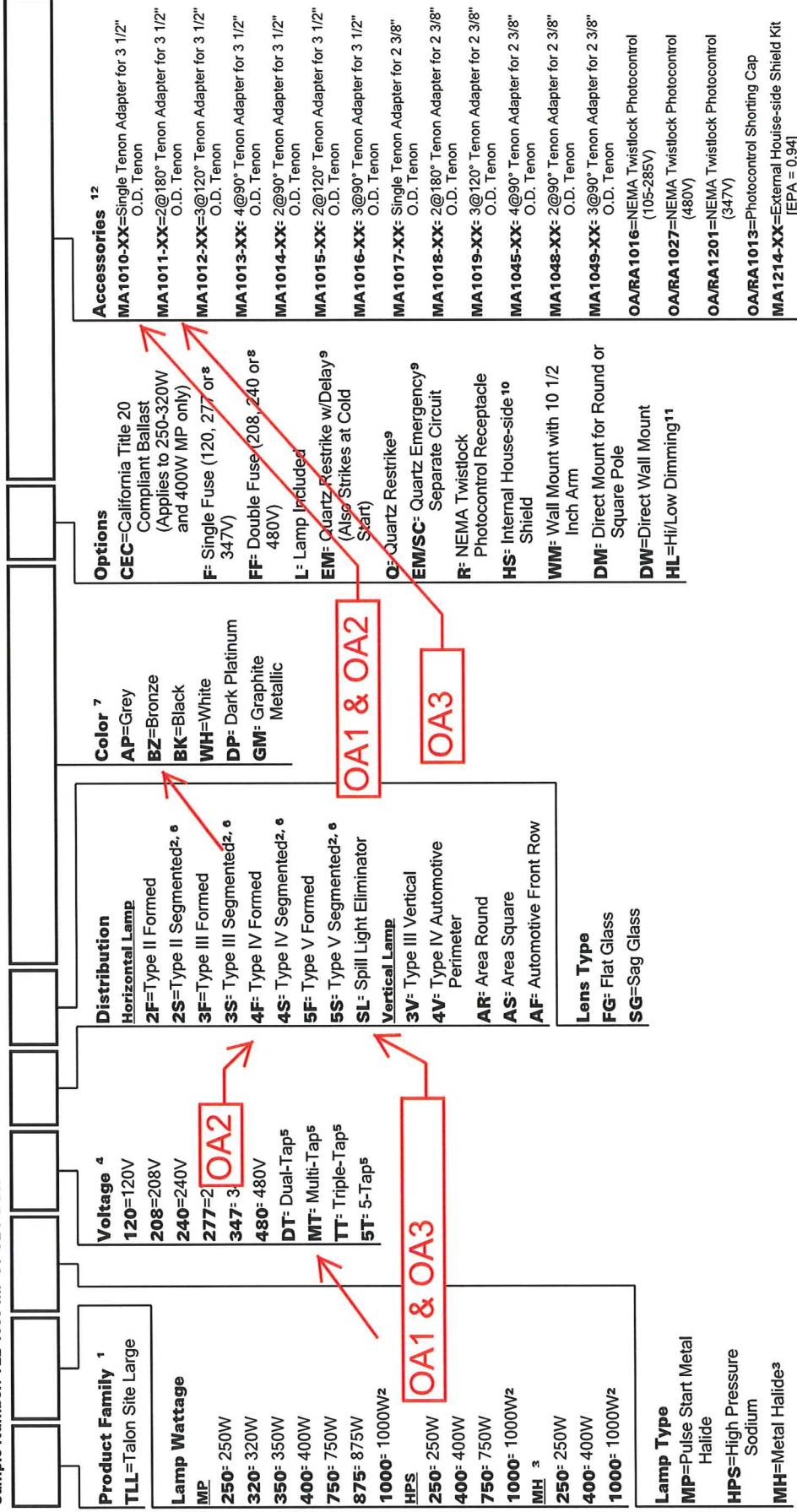
TLL-1000-MH-AF-FG
1000-Watt MH
110,000-Lumen Clear Lamp
Automotive Front Row
Flat Glass

Footcandle Table
Select mounting height and read across for footcandle values of each isofootcandle line. Distance in units of mounting height.

Mounting Height	Footcandle Values for Isofootcandle Lines				
	A	B	C	D	E
1000W [3V/4V-HS/3V-EHS]					
25'	7.20	2.88	1.44	0.72	0.29
30'	5.00	2.00	1.00	0.50	0.20
35'	3.65	1.46	0.73	0.37	0.15
1000W [AF]					
25'	30.00	10.00	3.00	1.00	0.20
27'	25.50	8.50	2.55	0.85	0.17
30'	20.70	6.90	2.07	0.69	0.14

ORDERING INFORMATION

Sample Number: TLL-1000-MP-5T-SL-FG-BK



Notes: 1 10 1/2" arm and round pole adapter included with fixture. 2 Requires reduced envelope lamp. 3 250 and 400W are available for non-US markets only. 4 Products also available in non-US voltages and 50Hz for international markets. Consult factory for availability and ordering information. 5 Dual-Tap ballast is 120/277V wired 277V. Multi-Tap ballast is 120/208/240/277V wired 277V. Triple-Tap ballast is 277/347/480V wired 347V. 5-Tap ballast is 120/208/240/277/480V wired 480V. 6 Maximum wattage on segmented optical distributions is 400W. 7 Custom and RAL color matching available upon request. Consult Cooper Lighting Representative for further information. 8 Must specify voltage. 9 Quartz options not available with SL and AF optics. 10 House-side shield not available on 5S, 5F, AS, AR, and SL optics. 11 Requires vertical lamp orientation. Provides 24V low voltage leads used in dimming control. 12 Order separately, replace XX with color designation.

MILLENNIUM FINITE™

FN SERIES – LOW PROFILE

PRODUCT FEATURES:

- » Surface wall mount; 9" & 15"
- » Full cutoff Type II, III, IV or IVN optic patterns
- » Dark-Sky friendly
- » Designlights Consortium listed (DLC)
- » Peace of Mind Guarantee®

PEACE OF MIND
Guarantee®



DESIGNLIGHTS
CONSORTIUM



FN9L

FN15L

SPECIFICATIONS

HOUSING: High-impact resistant, UV-stabilized injection molded polycarbonate. Marine-grade die-cast aluminum ballast/driver housing.

DOOR: High-impact resistant, UV-stabilized injection molded polycarbonate with detachable hinge. Secured to housing with four (4) captive, recessed Torx® (or optional Phillips head) stainless steel screws. Lens sealed with closed-cell silicone gasket and secured to door frame with heavy gauge stainless steel brackets.

GASKETING: Closed cell, silicone "O" ring gasket seals joint between polycarbonate housing and die-cast aluminum ballast housing and joint between polycarbonate housing and polycarbonate lens frame assembly. Thick gauge, die-cut, closed cell neoprene with self-adhesive gasket seals joint between housing and mounting surface or accessory surface conduit adapter.

ELECTRICAL: Fluorescent electronic 120/277/347 and dual voltage ballasts high power factor (<10% THD). HID ballasts high power factor. Metal halide lamps utilize pulse start technology. Shock absorbing, medium base lamp sockets provided for HID lamps. See Lamp Type for electronic halide ballast option LED: Replaceable high-brightness ANSI 4000K (65 CRI min.), 5000K (65 CRI min.), and 5700K (70 CRI min.) white LED array. See Options for higher CRI lamp availability. 120-277VAC High Power Factor Electronic Dimming Constant Current driver. Luminaire is certified to UL Standards by either Underwriters Laboratory or Intertek Testing Laboratory for wet location.

INSTALLATION: Fixture is factory pre-wired and includes gasketed, 16-gauge stainless steel quick mounting plate. Once four-point mounted to wall (required for Peace of Mind Guarantee®) or accessory surface conduit adapter, allows quick mounting with hook-and-lock mechanism. Quick mounting plate bolts to wall (fasteners by other), fixture attaches to mounting plate with two (2) captive Torx® (or optional Phillips head) screws, which are concealed but accessible from bottom.

SURFACE CONDUIT ADAPTER (ACCESSORY): Marine-grade die-cast aluminum construction includes die-cut gaskets and two ¾" threaded connection ports. Once four-point mounted to wall (required for Peace of Mind Guarantee®) allows same quick mounting (hook-and-lock) capability as described in the Installation section above.

WARRANTY: One (1) year warranty against defects in materials and workmanship. Five (5) year warranty on LED lamps and driver for defects resulting in a fixture lumen depreciation of 30% or greater.

LISTINGS: Luminaire is certified to UL Standards by either Underwriters Laboratory or Intertek Testing Laboratory for wet location. UL certified IP64 per IEC 60598. IESNA-designated full cut-off. IDA-Approved™ Dark-Sky Friendly Fixture. Product listed on Designlights Consortium QPL. Photometry tested to the IESNA LM-79-08 standard by an ILAC/ISO17025 accredited laboratory.

ORDERING INFORMATION

Model	Optic System	Finish	Lamp Type	Lamp Qty	Voltage	Options	Accessories
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Model
FN9L 9" Full Cutoff Low Profile
FN15L 15" Full Cutoff Low Profile

Optic System

- 2 Type II
- 3 Type III (LED only)
- 4 Type IV (LED only)
- 4N Type IV Narrow (LED only)

Lens Type

- 7 .187" Clear Polycarbonate (n/a with two lamps or HID)
- A .250" Clear Tempered Glass (STD w/HID)

Finish

- DB Dark Bronze
- MB Matte Black
- MW Matte White
- CC Custom Color (Consult factory)

Lamp Type (Qty/Ballast/Volt/Starting Temp)

- 9L 26L40K 26 Watt 4000K LED
- 26L50K 26 Watt 5000K LED
- 26L57K 26 Watt 5700K LED
- 18Q 18 Watt Quad (2/RS/120/277,347/0°F)
- 26P 26 Watt PLT (1,2/RS/120/277,347/0°F)
- 32P 32 Watt PLT (1/RS/120/277,347/0°F)

15"

- 26L40K 26 Watt 4000K LED
- 26L50K 26 Watt 5000K LED
- 26L57K 26 Watt 5700K LED
- 50L40K 50 Watt 4000K LED
- 50L50K 50 Watt 5000K LED
- 50L57K 50 Watt 5700K LED
- 80L40K 80 Watt 4000K LED
- 80L50K 80 Watt 5000K LED
- 80L57K 80 Watt 5700K LED
- 26Q 26 Watt Quad (1,2/RS/120,277,347/0°F)
- 32P 32 Watt PLT (1,2/RS/120,277,347/0°F)
- 42P 42 Watt PLT (1,2/RS/120,277,347/0°F)
- 50M 50 Watt MH (1/HPF/120,277,347/±20°F)
- 50S 50 Watt HPS (1/HPF/120,277,347/±40°F)
- 70M 70 Watt MH (1/HPF/120,277,347/±20°F)
- 70ME 70 Watt HPS (1/HPF/120,277,347/±20°F)
- 70S 70 Watt HPS (1/HPF/120,277,347/±40°F)

Lamp Quantity (See Lamp Type)

- 1 One Lamp
 - 2 Two Lamps
- Voltage**
 120 120 Volts
 277 277 Volts
 347* 347 Volts
 DV 120-277 Volts (fluorescent or LED only)

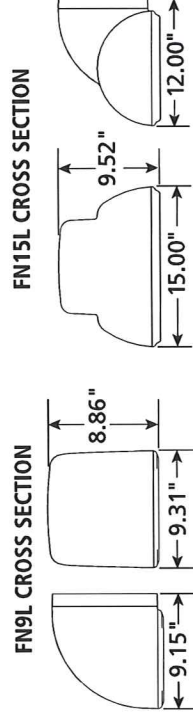
Options

- LEL Integral Emergency Battery Backup (Available with FN15L, 26 Watt LED only)
- 2C Two Circuit Wiring (2 Lamp Quantity only) (n/a in LED)
- FS Single Fuse & Holder
- PH Phillips Head Fasteners
- QRC Hot/Cold Quartz Restrike (15" only) (HID only)
- Q52 Two Quartz sockets (max. 50W ea.) (15" only) (HID only)

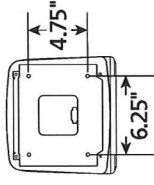
Accessories

- 50QL 50 Watt DC Bayonet Base Quartz Lamp (15" only)
- 9500 Torx® Screwdriver
- SA Die-Cast Surface Adapter

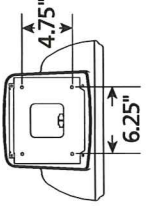
* n/a with LED Option



MOUNTING HOLES

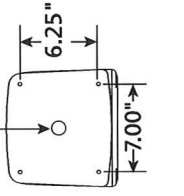


MOUNTING HOLES



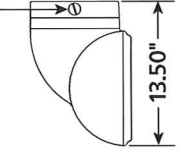
SURFACE ADAPTER

- (1) 3/4" NPS (Not Plugged)
- (2) 3/4" NPS-2 sides (Plugged)



SURFACE ADAPTER

- (1) 3/4" NPS (Not Plugged)
- (2) 3/4" NPS-2 sides (Plugged)



www.kenall.com

P: 800-4-Kenall

F: 847-360-1781

1020 Lakeside Drive Gurnee, Illinois 60031

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FN_9_15_L-032113

LR4™

Four-Inch Architectural LED Downlight

OC

Product Description

The LR4™ architectural LED downlight delivers up to 540 lumens of exceptional 90+ CRI light while achieving over 51 lumens per watt. This breakthrough performance is achieved by combining the high efficacy and high-quality light of Cree TrueWhite® Technology. The LR4 is available in moderate or deep recess, warm or neutral color temperatures, and has a variety of trim options. It must be used with the Cree H4 housing, making the LR4 perfect for use in commercial new construction applications.

Performance Summary

Utilizes Cree TrueWhite® Technology

Active Color Management

Delivered Light Output: LR4E-15: 540 lumens, LR4E-30: 515 lumens

Input Power: LR4E-15: 10.5 watts, LR4E-30: 11.1 watts

CRI: 90

CCT: 2700K, 3500K

Warranty: 10 years†

Lifetime: Designed to last 50,000 hours

Dimming: Dimmable to 20%*

Shield Angles: 15° or 30°

Ordering Information

Example: LR4E-15 + H4 + LT4-15A OR LR4E-30 + H4 + LT4-30A

Fully assembled luminaire is composed of three components that must be ordered separately:

LR4: Light engine H4: Recessed architectural housing LT4: Snap-in architectural trim

Light Engines	
LR4E-15 2700K, 15° Shield (Moderate Recess)	
LR4E-15C 3500K, 15° Shield (Moderate Recess)	
LR4E-30 2700K, 30° Shield (Deep Recess)	
LR4E-30C 3500K, 30° Shield (Deep Recess)	
Housing	
H4 Recessed housing with GU24 socket	
Trims	
LT4-15A/LT4-30A Diffuse anodized finish trim	LT4-15AB/LT4-30AB Black anodized finish trim
LT4-15AW/LT4-30AW Wheat diffuse anodized finish trim	LT4-15WH/LT4-30WH Smooth white trim
LT4-15AP/LT4-30AP Pewter diffuse anodized finish trim	LT4-15BB/LT4-30BB Flat black finish trim and reflector

NOTE: Light engine and trim reflector depth must match for appropriate fit.

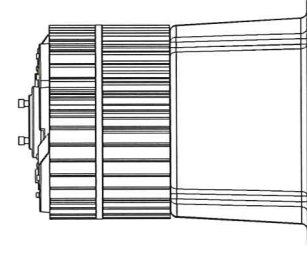
* Reference www.cree.com/lighting for recommended dimmers.

† See www.cree.com/lighting for warranty terms.

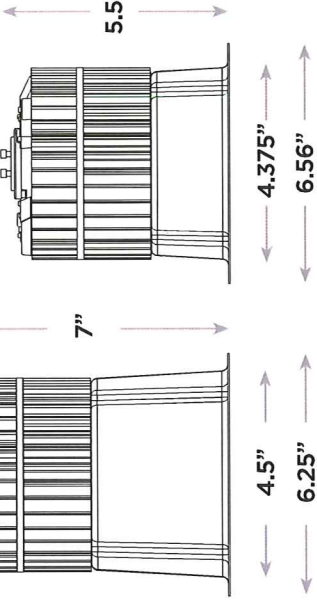
LR4



LR4E-30

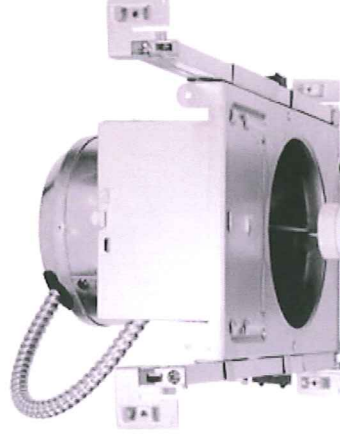


LR4E-15



The LR4 downlight ships as three components: a housing, light engine, and trim. Each component must be ordered separately.

H4
Housing



LR4
Light Engine

LT4
Trim

CREE
TRUE WHITE
TECHNOLOGY



Rev. Date 01/15/2013



US: www.cree.com/lighting T (800) 236-6800 F (262) 504-5415

Canada: www.cree.com/canada T (800) 473-1234 F (800) 890-7507

LR4™

Product Specifications

CREE TRUEWHITE® TECHNOLOGY

A revolutionary way to generate high-quality white light, Cree TrueWhite® Technology mixes the light from the highest performing red and unsaturated yellow LEDs. This patented approach delivers an exclusive combination of 90+ CRI, beautiful light characteristics, and lifelong color consistency, all while maintaining high luminous efficacy—a true no compromise solution.

CONSTRUCTION & MATERIALS

- Durable cold-rolled steel housing protects LEDs, driver and power supply. Adjustable flip clips resist heat while providing retention for flush ceiling fit.
- Thermal management system uses extruded aluminum heat sink to conduct heat away from LEDs and transfer it to the plenum space for optimal performance. LED junction temperatures stay below specified maximum even when installed in attic insulation with ambient temperatures exceeding 60 C.
- Suitable for insulated and non-insulated ceilings.
- Snap-in trim (sold separately) integrates reflector and flange to redirect light while creating a comfortable visual transition from the lens to the ceiling plane.

OPTICAL SYSTEM

- Unique combination of reflective and refractive optical components achieves a uniform, comfortable appearance while eliminating pixelation and color fringing. This ensures smooth light patterns are projected with no hot spots and minimal striations.
- Components work together to optimize distribution, balancing the delivery of high illuminance levels on horizontal surfaces with an ideal amount of light on walls and vertical surfaces. This increases the perception of spaciousness.
- Diffusing lens shields direct view of LEDs while lower reflector balances brightness of lens with the ceiling to create a low-glare high angle appearance. When installed with 30° trim, deep set diffusing lens provides more precise optical control with greater visual cut-off.

ELECTRICAL SYSTEM

- Integral, high-efficiency driver and power supply.
- **Power Factor** > 0.9 nominal
- **Input Voltage:** 120V, 60Hz
- **Dimming:** Dimmable to 20% with most incandescent dimmers. Reference www.cree.com/lighting for recommended dimmers.

REGULATORY & VOLUNTARY QUALIFICATIONS

- ENERGY STAR® qualified.
- cULus Listed
- Exceeds California Title-24 high efficacy luminaire requirements.
- IC air-tight rated, tested in accordance with ASTM E283.
- Suitable for damp locations.

Application Reference

Open Space						
Spacing	Shield	Lumens	Wattage	LPW	w/ft²	Average FC
4 x 4	15° (LR4E-15)	540	10.5	51	0.60	33
	30° (LR4E-30)	515	11.1	46	0.66	32
6 x 6	15° (LR4E-15)	540	10.5	51	0.28	15
	30° (LR4E-30)	515	11.1	46	0.31	15
8 x 8	15° (LR4E-15)	540	10.5	51	0.15	8
	30° (LR4E-30)	515	11.1	46	0.17	8
10 x 10	15° (LR4E-15)	540	10.5	51	0.10	5
	30° (LR4E-30)	515	11.1	46	0.11	5

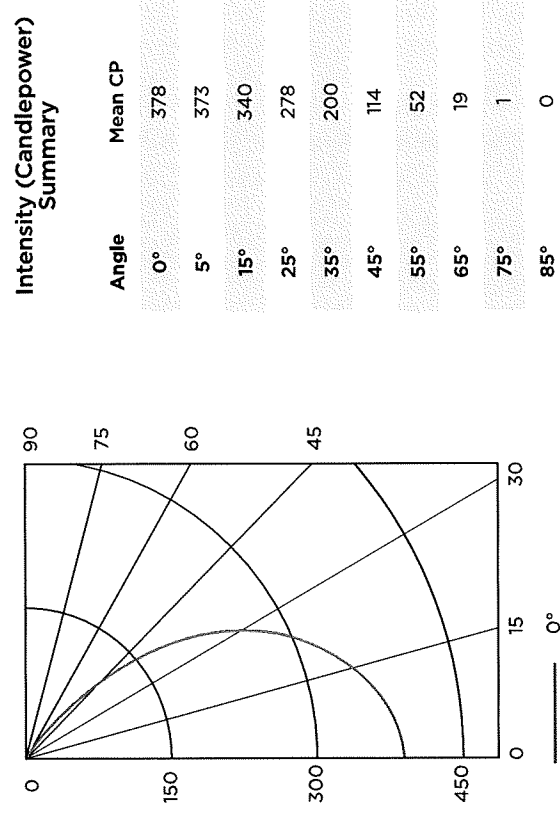
10' Ceiling, 80/50/20 Reflectances, 2.5 workplane.
LLF: 1.0 Initial, Open Space: 50' x 40' x 10'

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US: www.cree.com/lighting T (800) 236-6800 F (262) 504-5415

Photometry

LR4E-15 LT4-15A BASED ON ITL TEST #: 59866

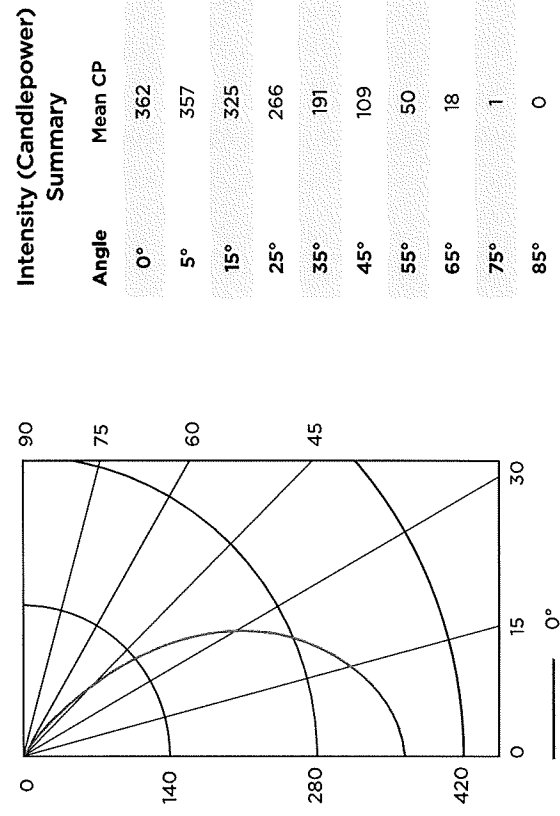


Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fix
0-30	259	47.9%	47.9%
0-40	383	70.9%	70.9%
0-60	518	96%	96%
0-90	540	100%	100%

Reference www.cree.com/lighting for detailed photometric data.

LR4E-30 LT4-30A BASED ON ITL TEST #: 59865



Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fix
0-30	275	53.5%	53.5%
0-40	314	76.9%	76.9%
0-60	509	98.8%	98.8%
0-90	515	100%	100%

Reference www.cree.com/lighting for detailed photometric data.

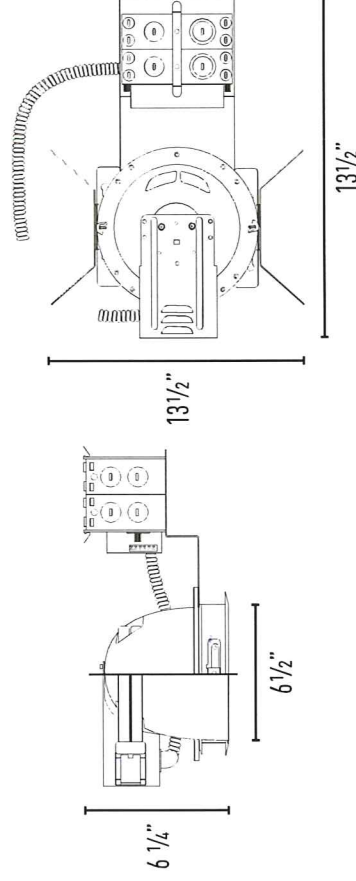


Canada: www.cree.com/canada T (800) 473-1234 F (800) 890-7507

IFH6 / IC610

6" Horizontal Compact Fluorescent / Open Reflector

JOB NAME	CATALOG NUMBER
NOTES	TYPE OC1



Cut-out: 6 1/2"

Order Matrix | Example: IFH6226-ADV-1100

A	B	C	D
IFH6	6" Horizontal Compact Fluorescent	E E-347 -ADV -ADV-27 -ADV7	Ballast Electronic 120/277V Electronic 347V Advance Mark 10 120V Advance Mark 10 277V Advance Mark 7 120/277V ¹
B	Lamp	-LUT -LUT-1 -LUT-1-27	Lutron EcoSystem® 120/277V Lutron Hi-Lume 1% 120V ² Lutron Hi-Lume 1% 277V ²
13	(1) 13W DTT ¹	D	Options
18	(1) 18W DTT	-I100	C-Channel Bar Hanger
26	(1) 26W DTT/TRT	-I200	Flat Bar Hanger
32	(1) 32W TRT	-I400	Wood Joist Bar Hanger
42	(1) 42W TRT	-EM	Emergency 650 lm Max
213	(2) 13W DTT ¹	-EM-13	Emergency 1300 lm Max
218	(2) 18W DTT	-EM2	Emergency 650 lm Max w/ Integral Reflector Test Switch
226	(2) 26W DTT	-EM2-13	Emergency 1300 lm Max w/ Integral Reflector Test Switch
		-FUSE	Fuse

Notes:

1 - 13W dimming only available with Mark 7.

2 - Lutron Hi-Lume 1% available in (1) 26W or (1) 32W only.

6" Open Reflector

High quality low iridescent reflector.

OD: 7 1/4"

IC610C	Clear Reflector / White Phenolic Ring
IC610C-SF	Clear Reflector / Self Flanged
IC610C-SFW	Clear Reflector / Self Flanged White
IC610SD	Semi Diffused Reflector / White Phenolic Ring
IC610SD-SF	Semi Diffused Reflector / Self Flanged
IC610W	White Reflector / White Phenolic Ring

Designer Trim Option (for non-self flanged reflectors):

Reflector standard with white phenolic trim ring. Optional metal trim rings include:

Specify **MW** (metal white), **B** (black), **SN** (satin nickel), **MO** (mocha).

Not available with self flanged reflector.

Notes:

4 - Self flanged reflectors are compatible with Infuz™ accessories only.

DESCRIPTION

Horizontal compact fluorescent downlight provides superior performance. Designed for use in medium to high ceiling heights. Applications include retail, commercial and hospitality.

SOCKET

Universal G24 4-Pin

REFLECTOR OPTICS

Specification grade reflector with 1.2mm thickness. White phenolic trim ring standard with optional designer trims or self flanged.

MOUNTING FRAME

Frame is constructed from heavy duty galvanized steel. Universal mounting brackets included. Compatible with C-channel, flat bar, wood joist bar hanger and EMT. Bar hangers must be ordered separately. C-channel are recommended for T-bar ceilings.

BALLAST

Electronic multi-voltage technology enables operation at any input voltage from 120 to 277 volts, 50/60Hz. Dimming options include Advance Mark 7, Mark 10, Lutron Eco System or Lutron Hi-Lume® 1%.

EMERGENCY

- UL and cUL Listed
- Long-Life High-Temperature Recyclable
- Ni-Cad Battery
- Painted Steel Case
- 90-Minute Emergency Operation
- Includes Test Switch/Charge Indicator
- Dual Voltage 120/277V, 60Hz
- 5-Year Manufacturers Warranty

ACCESSORIES

Compatible with decorative drop and Infuz™ accessories. See page 2 for decorative drop and Infuz™ accessories.

LISTING

ETL listed for thru-branch wiring and damp locations. For Non-IC recessed installation. ETL listed to US and Canadian standards.

Notes:

4 - Self flanged reflectors are compatible with Infuz™ accessories only.

ARCHITECTURAL/MARK-1117P-35

Intense Lighting | 2861 E La Palma Ave. | Anaheim, CA 92806 | **Phone:** 1.800.961.5321 | **Fax:** 1.800.961.5322 | www.intenselighting.com

Note: Specifications and dimensions subject to change without notice.



6" Decorative Recessed Accessories

JOB NAME		CATALOG NUMBER
NOTES		TYPE



DECORATIVE

Decorative glass and acrylic accessories are compatible with select reflectors. Customize and create your environment with the options below.

ORDERING INFORMATION:

Add accessory part number to the end of the reflector part number. **(Example: IC610C-SF-D1R)**

Note: Infuz decorative accessories are compatible with self flanged reflectors only.

ORDERING INFO	DESCRIPTION	OD	ID	THICKNESS
-D1R	6" Red Acrylic Ring 1 3/8"	7 3/4"	5 1/2"	1/8"
-D2R	6" Red Acrylic Ring 2 3/8"	7 3/4"	3 1/2"	1/8"
-D1B	6" Blue Acrylic Ring 1 3/8"	7 3/4"	5 1/2"	1/8"
-D2B	6" Blue Acrylic Ring 2 3/8"	7 3/4"	3 1/2"	1/8"
-D1G	6" Green Acrylic Ring 1 3/8"	7 3/4"	5 1/2"	1/8"
-D2G	6" Green Acrylic Ring 2 3/8"	7 3/4"	3 1/2"	1/8"
-D5	6" Tempered Glass Decorative Drop	7 3/4"	NA	5/32"
-D6	6" Tempered Glass Decorative Drop	7 3/4"	NA	5/32"
-D7	6" Tempered Glass Decorative Drop	7 3/4"	NA	5/32"
-D8	6" Tempered Glass Ring 1 3/8"	7 3/4"	5 1/2"	5/32"
-D9	6" Sandblasted Tempered Glass Ring 2 3/8"	7 3/4"	3 1/2"	5/32"



!NFUZ

Infuz decorative accessories may be used with select reflectors. Accessory kits are factory installed. Custom material available by special order. Minimum order and lead times may apply. Consult factory.

How to Order:

1. Enter your specified reflector under section "A".
2. Specify the Infuz adder on the reflector part number. **(Example: IC610C-SF-IZDM-5-MO)**

Note: Infuz decorative accessories are compatible with self flanged reflectors only.



Flush Mount Recessed



Drop Mount Recessed



Type: Red Crush
Item Code: 1



Type: Blue Crush
Item Code: 2



Type: Tiger Thatch
Item Code: 3



Type: Linea Vert
Item Code: 4



Type: Bronze Weave
Item Code: 5



Type: Fossil Leaf
Item Code: 6

Order Matrix | Example: IC610C-SF-IFZFM-W-1

Order Matrix | Example: IC610C-SF-IFZDM-1-SN

A	B	C	D
A	Reflector	D	Material
	Specify Compatible Reflector	-1	Red Crush
		-2	Blue Crush
		-3	Tiger Thatch
		-4	Linea Vert
		-5	Bronze Weave
		-6	Fossil Leaf
B	Series		
-IFZFM	Infuz Flush Mount		
C	Inner Reflector		
	-W		White
	-HZ		Haze

A	B	C	D
A	Reflector	C	Material
	Specify Compatible Reflector	-1	Red Crush
		-2	Blue Crush
		-3	Tiger Thatch
		-4	Linea Vert
		-5	Bronze Weave
		-6	Fossil Leaf
B	Series		
-IFZDM	Drop Mount		
D	Drop Hardware		
	-SN		Satin Nickel
	-MO		Mocha

ARCHITECTURAL/M-11132-P-36

Intense Lighting | 2861 E La Palma Ave. | Anaheim, CA 92806 | Phone: 1.800.961.5321 | Fax: 1.800.961.5322 | www.intenselighting.com

Note: Specifications and dimensions subject to change without notice.



!NTENSE[®]
LIGHTING

MILLENNIUM FINITE™

FN SERIES – LOW PROFILE

PRODUCT FEATURES:

- » Surface wall mount; 9" & 15"
- » Full cutoff Type II, III, IV or IVN optic patterns
- » Dark-Sky friendly
- » Designlights Consortium listed (DLC)
- » Peace of Mind Guarantee®



DESIGNLIGHTS
CONSORTIUM



FN9L

FN15L

SPECIFICATIONS

HOUSING: High-impact resistant, UV-stabilized injection molded polycarbonate. Marine-grade die-cast aluminum ballast/driver housing.

DOOR: High-impact resistant, UV-stabilized injection molded polycarbonate with detachable hinge. Secured to housing with four (4) captive, recessed Torx® (or optional Phillips head) stainless steel screws. Lens sealed with closed-cell silicone gasket and secured to door frame with heavy gauge stainless steel brackets.

GASKETING: Closed cell, silicone "O" ring gasket seals joint between polycarbonate housing and die-cast aluminum ballast housing and joint between polycarbonate housing and polycarbonate lens frame assembly. Thick gauge, die-cut, closed cell neoprene with self-adhesive gasket seals joint between housing and mounting surface or accessory surface conduit adapter.

ELECTRICAL: Fluorescent electronic 120/277/347 and dual voltage ballasts high power factor (<10% THD), HID ballasts high power factor. Metal halide lamps utilize pulse start technology. Shock absorbing, medium base lamp sockets provided for HID lamps. See Lamp Type for electronic halide ballast option LED: Replaceable high-brightness ANSI 4000K (65 CRI min.), 5000K (65 CRI min.), and 5700K (70 CRI min.) white LED array. See Options for higher CRI lamp availability. 120-277VAC and 57000K (70 CRI min.) white LED array. See Options for higher CRI lamp availability. 120-277VAC High Power Factor Electronic Dimming Constant Current driver. Luminaire is certified to UL Standards by either Underwriters Laboratory or Intertek Testing Laboratory for wet location.

INSTALLATION: Fixture is factory pre-wired and includes gasketed, 16-gauge stainless steel quick mounting plate. Once four-point mounted to wall (required for Peace of Mind Guarantee®) or accessory surface conduit adapter, allows quick mounting with hook-and-lock mechanism. Quick mounting plate bolts to wall (fasteners by other), fixture attaches to mounting plate with two (2) captive Torx® (or optional Phillips head) screws, which are concealed but accessible from bottom.

SURFACE CONDUIT ADAPTER (ACCESSORY): Marine-grade die-cast aluminum construction includes die-cut gaskets and two ¾" threaded connection ports. Once four-point mounted to wall (required for Peace of Mind Guarantee®) allows same quick mounting (hook-and-lock) capability as described in the Installation section above.

WARRANTY: One (1) year warranty against defects in materials and workmanship. Five (5) year warranty on LED lamps and driver for defects resulting in a fixture lumen depreciation of 30% or greater.

LISTINGS: Luminaire is certified to UL Standards by either Underwriters Laboratory or Intertek Testing Laboratory for wet location. UL certified IP64 per IEC 60598. IESNA-designated full cut-off. IDA-Approved™ Dark-Sky Friendly Fixture. Product listed on Designlights Consortium QPL. Photometry tested to the IESNA LM-79-08 standard by an ILAC/ISO17025 accredited laboratory.

ORDERING INFORMATION

Model	Optic System	Lens Type	Finish	Lamp Type	Lamp Qty	Voltage	Options	Accessories
-------	--------------	-----------	--------	-----------	----------	---------	---------	-------------

Model
FN9L 9" Full Cutoff Low Profile
FN15L 15" Full Cutoff Low Profile

Optic System

- 2 Type II
- 3 Type III (LED only)
- 4 Type IV (LED only)
(Available with one lamp only on the 15")
- 4N Type IV Narrow (LED only)

Lens Type

- 7 .187" Clear Polycarbonate
(n/a with two lamps or HID)
- A .250" Clear Tempered Glass (STD w/HID)

Finish

- DB Dark Bronze
- MB Matte Black
- MW Matte White
- CC Custom Color (Consult factory)

Lamp Type (Qty/Ballast/Volt/Starting Temp)

- 9"
 - 26L40K 26 Watt 4000K LED
 - 26L50K 26 Watt 5000K LED
 - 26L57K 26 Watt 5700K LED
 - 18Q 18 Watt Quad (2/RS/120/277,347/0°F)
 - 26P 26 Watt PLT (1.2/RS/120/277,347/0°F)
 - 32P 32 Watt PLT (1/RS/120/277,347/0°F)
- 15"
 - 26L40K 26 Watt 4000K LED
 - 26L50K 26 Watt 5000K LED
 - 26L57K 26 Watt 5700K LED
 - 50L40K 50 Watt 4000K LED
 - 50L50K 50 Watt 5000K LED
 - 50L57K 50 Watt 5700K LED
 - 80L40K 80 Watt 4000K LED
 - 80L50K 80 Watt 5000K LED
 - 80L57K 80 Watt 5700K LED
 - 26Q 26 Watt Quad (1.2/RS/120,277,347/0°F)
 - 32P 32 Watt PLT (1.2/RS/120,277,347/0°F)
 - 42P 42 Watt PLT (1.2/RS/120,277,347/0°F)
 - 50M 50 Watt MH (1/HPF/120,277,347/-20°F)
 - 50S 50 Watt HPS (1/HPF/120,277,347/-40°F)
 - 70M 70 Watt MH (1/HPF/120,277,347/-20°F)
 - 70ME 70 Watt MH (1/HPF/120,277,347/-40°F)
 - 70S 70 Watt HPS (1/HPF/120,277,347/-40°F)

Lamp Quantity (See Lamp Type)

- 1 One Lamp
- 2 Two Lamps

Voltage

- 120 120 Volts
- 277 277 Volts
- 347* 347 Volts

DV 120-277 Volts (fluorescent or LED only)

Options

- LEL Integral Emergency Battery Backup
(Available with FN15L, 26 Watt LED only)
- 2C Two Circuit Wiring (2 Lamp Quantity only) (n/a in LED)
- FS Single Fuse & Holder
- PH Phillips Head Fasteners
- QRC Hot/Cold Quartz Restrike (15" only) (HID only)
- Q52 Two Quartz sockets (max. 50W ea.) (15" only) (HID only)

Accessories

- 50QL 50 Watt DC Bayonet Base Quartz Lamp (15" only)
- 9500 Torx® Screwdriver
- SA Die-Cast Surface Adapter

* n/a with LED Option



www.kenall.com

P: 800-4-Kenall

F: 847-360-1781

1020 Lakeside Drive Gurnee, Illinois 60031

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PROJECT INFORMATION

Job Name
Fixture Type
Catalog Number
Approved by

Product Description

The LR4™ architectural LED downlight delivers up to 540 lumens of exceptional 90+ CRI light while achieving over 51 lumens per watt. This breakthrough performance is achieved by combining the high efficacy and high-quality light of Cree TrueWhite® Technology. The LR4 is available in moderate or deep recess, warm or neutral color temperatures, and has a variety of trim options. It must be used with the Cree H4 housing, making the LR4 perfect for use in commercial new construction applications.

Performance Summary

Utilizes Cree TrueWhite® Technology

Active Color Management

Delivered Light Output: LR4E-15: 540 lumens, LR4E-30: 515 lumens

Input Power: LR4E-15: 10.5 watts, LR4E-30: 11.1 watts

CRI: 90

CCT: 2700K, 3500K

Warranty: 10 years†

Lifetime: Designed to last 50,000 hours

Dimming: Dimmable to 20%*

Shield Angles: 15° or 30°

Ordering Information

Example: LR4E-15 + H4 + LT4-15A OR LR4E-30 + H4 + LT4-30A

Fully assembled luminaire is composed of three components that must be ordered separately:

LR4: Light engine H4: Recessed architectural housing LT4: Snap-in architectural trim

Light Engines	
LR4E-15 2700K, 15° Shield (Moderate Recess)	
LR4E-15C 3500K, 15° Shield (Moderate Recess)	
LR4E-30 2700K, 30° Shield (Deep Recess)	
LR4E-30C 3500K, 30° Shield (Deep Recess)	
Housing	
H4 Recessed housing with GU24 socket	
Trims	
LT4-15A/LT4-30A Diffuse anodized finish trim	LT4-15AB/LT4-30AB Black anodized finish trim
LT4-15AW/LT4-30AW Wheat diffuse anodized finish trim	LT4-15WH/LT4-30WH Smooth white trim
LT4-15AP/LT4-30AP Pewter diffuse anodized finish trim	LT4-15BB/LT4-30BB Flat black finish trim and reflector

NOTE: Light engine and trim reflector depth must match for appropriate fit.

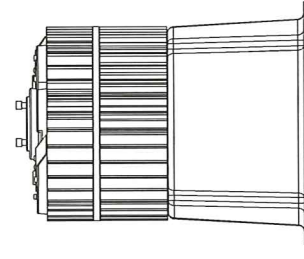
* Reference www.cree.com/lighting for recommended dimmers.

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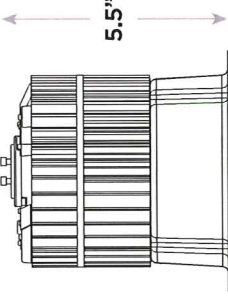
LR4



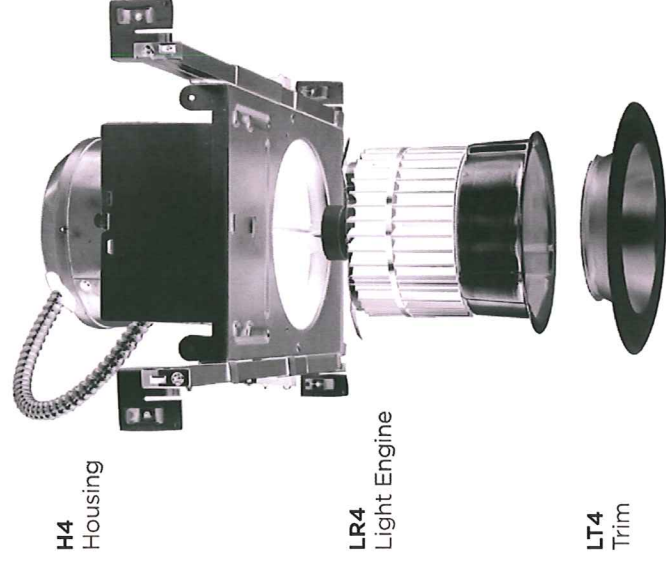
LR4E-30



LR4E-15



The LR4 downlight ships as three components: a housing, light engine, and trim. Each component must be ordered separately.

H4
HousingLR4
Light EngineLT4
Trim

LR4™

Product Specifications

CREE TRUEWHITE® TECHNOLOGY

A revolutionary way to generate high-quality white light, Cree TrueWhite® Technology mixes the light from the highest performing red and unsaturated yellow LEDs. This patented approach delivers an exclusive combination of 90+ CRI, beautiful light characteristics, and lifelong color consistency, all while maintaining high luminous efficacy—a true no compromise solution.

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- Durable cold-rolled steel housing protects LEDs, driver and power supply. Adjustable flip clips resist heat while providing retention for flush ceiling fit.
- Thermal management system uses extruded aluminum heat sink to conduct heat away from LEDs and transfer it to the plenum space for optimal performance. LED junction temperatures stay below specified maximum even when installed in attic insulation with ambient temperatures exceeding 60 C.
- Suitable for insulated and non-insulated ceilings.
- Snap-in trim (sold separately) integrates reflector and flange to redirect light while creating a comfortable visual transition from the lens to the ceiling plane.

OPTICAL SYSTEM

- Unique combination of reflective and refractive optical components achieves a uniform, comfortable appearance while eliminating pixelation and color fringing. This ensures smooth light patterns are projected with no hot spots and minimal striations.
- Components work together to optimize distribution, balancing the delivery of high illuminance levels on horizontal surfaces with an ideal amount of light on walls and vertical surfaces. This increases the perception of spaciousness.
- Diffusing lens shields direct view of LEDs while lower reflector balances brightness of lens with the ceiling to create a low-glare high angle appearance. When installed with 30° trim, deep set diffusing lens provides more precise optical control with greater visual cut-off.

ELECTRICAL SYSTEM

- Integral, high-efficiency driver and power supply.
- **Power Factor** > 0.9 nominal
- **Input Voltage:** 120V, 60Hz
- **Dimming:** Dimmable to 20% with most incandescent dimmers. Reference www.cree.com/lighting for recommended dimmers.

REGULATORY & VOLUNTARY QUALIFICATIONS

- ENERGY STAR® qualified.
- cULus Listed
- Exceeds California Title-24 high efficacy luminaire requirements.
- IC air-tight rated, tested in accordance with ASTM E283.
- Suitable for damp locations.

Application Reference

Spacing	Open Space					
	Shield	Lumens	Wattage	LPW	w/ft²	Average FC
4 x 4	15° (LR4E-15)	540	10.5	51	0.60	33
	30° (LR4E-30)	515	11.1	46	0.66	32
6 x 6	15° (LR4E-15)	540	10.5	51	0.28	15
	30° (LR4E-30)	515	11.1	46	0.31	15
8 x 8	15° (LR4E-15)	540	10.5	51	0.15	8
	30° (LR4E-30)	515	11.1	46	0.17	8
10 x 10	15° (LR4E-15)	540	10.5	51	0.10	5
	30° (LR4E-30)	515	11.1	46	0.11	5

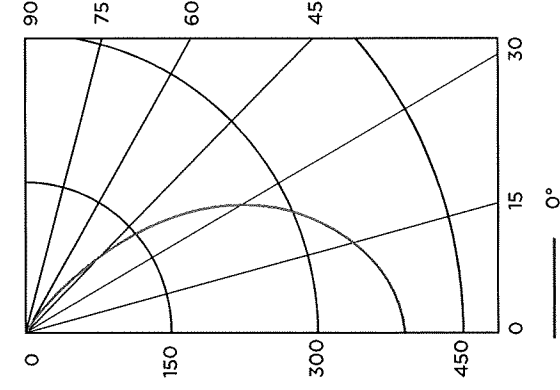
10' Ceiling, 80/50/20 Reflectances, 2.5 workplane.
LLF: 1.0 Initial, Open Space: 50' x 40' x 10'

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US: www.cree.com/lighting T (800) 236-6800 F (262) 504-5415

Photometry

LR4E-15 LT4-15A BASED ON ITL TEST #: 59866



Intensity (Candlepower)
Summary

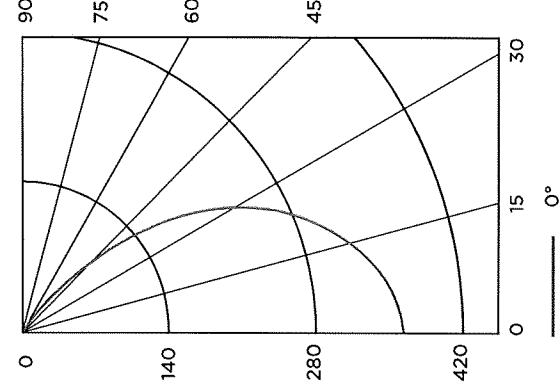
Angle	Mean CP
0°	378
5°	373
15°	340
25°	278
35°	200
45°	114
55°	52
65°	19
75°	1
85°	0
90°	0

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fix
0-30	259	47.9%	47.9%
0-40	383	70.9%	70.9%
0-60	518	96%	96%
0-90	540	100%	100%

Reference www.cree.com/lighting for detailed photometric data.

LR4E-30 LT4-30A BASED ON ITL TEST #: 59865



Intensity (Candlepower)
Summary

Angle	Mean CP
0°	362
5°	357
15°	325
25°	266
35°	191
45°	109
55°	50
65°	18
75°	1
85°	0
90°	0

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fix
0-30	275	53.5%	53.5%
0-40	314	76.9%	76.9%
0-60	509	98.8%	98.8%
0-90	515	100%	100%

Reference www.cree.com/lighting for detailed photometric data.



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Architects:

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Stamp:

Issue For: 06-18-12
CONSTRUCTION SET

Issue Date: 07-06-2012

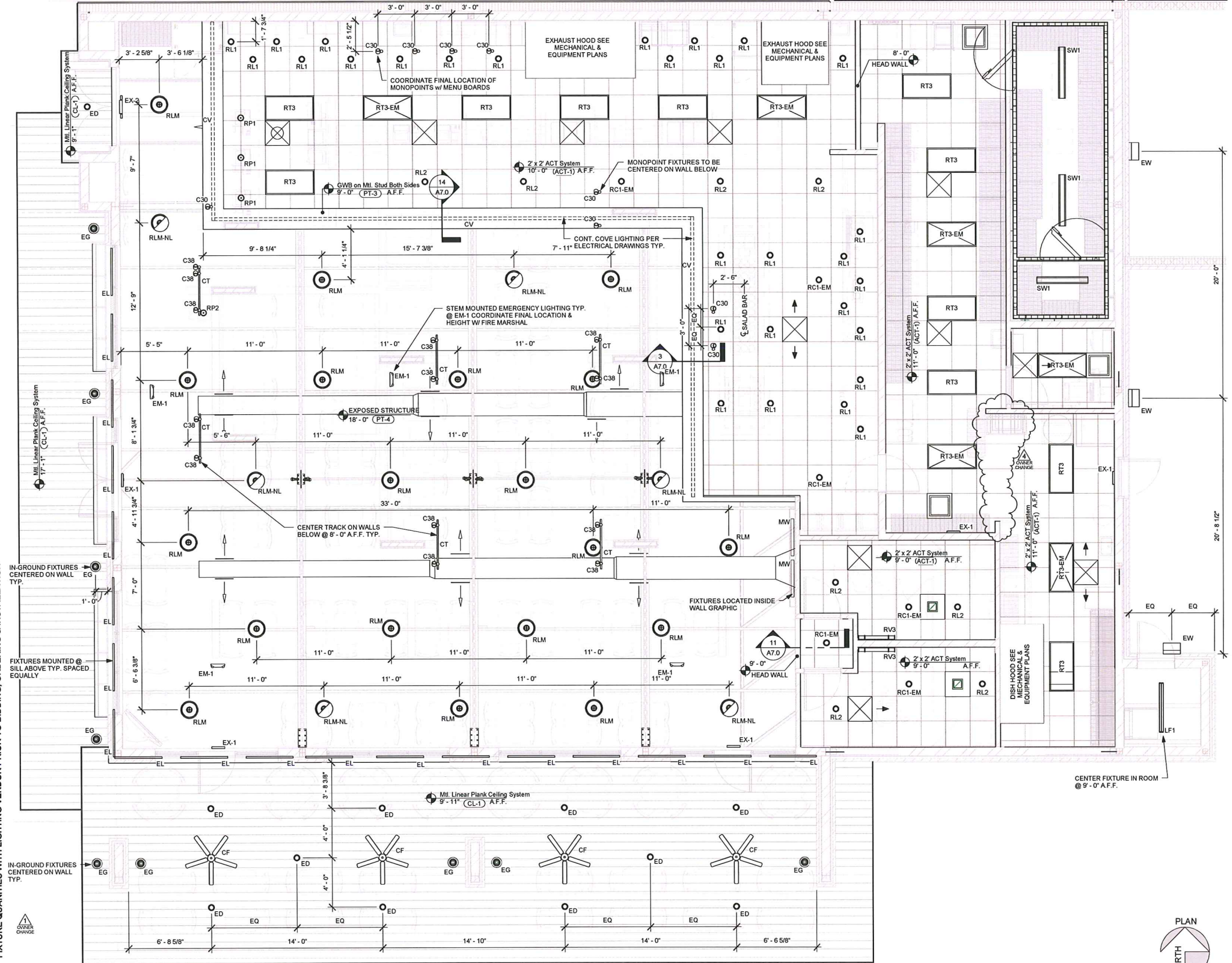
NO.	REASON	DATE
1	PERMIT COMMENTS / OWNER CHANGE	05-09-12
4	OWNER CHANGE	8-23-12

Project Address:
JASON'S DELI - MOBILE, AL
3756 AIRPORT BLVD
MOBILE, AL 36608

Project Number: 05-004-12
Sheet Title: REFLECTED CEILING PLAN

Sheet Number: A2.0

- GENERAL NOTES**
- ALL DIMENSIONS ARE TAKEN FROM FINISH SURFACE UNLESS OTHERWISE INDICATED.
 - ALL CEILING HEIGHT INDICATED ARE TO BE FROM FINISHED FLOOR UNLESS NOTED OTHERWISE.
 - LOCATE ALL TRACK & RECESSED FIXTURES @ CENTERLINE OF TILE UNLESS OTHERWISE INDICATED.
 - LIGHTING @ ALL FOOD PREP AREAS & KITCHEN HAS BEEN DESIGNED TO PROVIDE 50fc @ WORK LEVEL. LIGHTING IN ALL OTHER AREAS HAS BEEN DESIGNED TO PROVIDE AT LEAST 10fc @ 30' A.F.F. ALL EXPOSED LAMPS IN FOOD PREP AREAS ARE TO BE ENCAPSULATED COATED PAR LAMPS.
 - CONTRACTOR TO PROVIDE LAMPS INDICATED FOR ALL O.C.I. FIXTURES.
 - VERIFY LIGHT FIXTURES WITH ELECTRICAL DRAWINGS



NOTE:
FIXTURE QUANTITIES SHOWN ARE APPROXIMATE THE LIGHTING VENDOR IS RESPONSIBLE FOR DETERMINING EXACT FIXTURE COUNTS REQUIRED FOR PROJECT. GC IS RESPONSIBLE FOR COORDINATING FINAL FIXTURE QUANTITIES WITH LIGHTING VENDOR PRIOR TO BIDDING, ORDERING & INSTALLATION

1 REFLECTED CEILING PLAN
1/4" = 1'-0"

MARK	COUNT	LINEAR FEET	MANUFACTURER	MODEL	DESCRIPTION	LAMP
INTERIOR						
C30	9		COINTECH	CT1830-B	PER 30 LED MONO POINT HEAD	LED-HEPR027KFLB (TCP)
C38	13		JANMAR	737DLM-18LED-LPAR20FL-3000BLK	TRACK HEAD BLACK FINISH	LED
CT	6		T4BLL		4 FOOT SINGLE CIRCUIT TRACK	LED
CV	78	LF	MORGAN HOPE	MPCBR0550	24V LED TAPE LIGHT w/ REMOTE POWER SUPPLY	N/A
EM-1	5		EXTRONIX		RECESSED EXIT SIGN / EMERGENCY LIGHT	N/A
EX-1	5		EXTRONIX		RECESSED EXIT SIGN / EMERGENCY LIGHT	N/A
LF	1		TEXAS	VEGULGP-WB-WHL-EL-90	LED EXIT SIGN	N/A
RF	2		TEXAS	C332MAY	COMBINATION EXIT SIGN / EMERGENCY LIGHT	N/A
MW	2		COINTECH	AL-HB04M-WASP-25-24	4" LED STRIP FLOURESCENT	F32T8 / ADV835 / ALTO
RC1-EM	28		COINTECH	RAAS142VEM-EM4IS	4" LED FOR MURAL BACK LIGHTING	PL-T 20W / 835 / 4P / ALTO
R2	8		COINTECH	RL18 / CTR1802-CLR	RECESSED 2x4 LENSED FLUOR. TROFFER	LEDTE8P3827KFLB (TCP)
RLM	19		ILLITE	H-5171-1180B-ST-HSC-118LCCU-115-FR2623242CFUBCMAM	RECESSED 2x4 LENSED FLUOR. TROFFER w/ EMERGENCY BALLAST	LEDTE8P3827KFLB (TCP)
RLM-NL	6		ILLITE	H-5171-1180B-ST-HSC-118LCCU-115-FR2623242CFUBCMAM	RECESSED 2x4 LENSED FLUOR. TROFFER w/ EMERGENCY BALLAST	LED
RP1	3		TEXAS	700TD1-AP-2-C-0F	STILO PENDANT CABLE MOUNTED	PL-T 20W / 835 / 4P / ALTO
RP2	3		TEXAS	131A-332-AM	RECESSED 2x4 LENSED FLUOR. TROFFER	PL-T 20W / 830 / 4P / ALTO
RT3	11		TEXAS	GR22E-AB-A	RECESSED 2x4 LENSED FLUOR. TROFFER w/ EMERGENCY BALLAST	F32T8 / ADV835 / ALTO
RT3-EM	6		TEXAS	GR22E-AB-A	RECESSED 2x4 LENSED FLUOR. TROFFER w/ EMERGENCY BALLAST	F32T8 / ADV835 / ALTO
SW1	3		CRESCENT	S11-2-32-1JUNV	4" 0" SEALED FLOURESCENT	F32T8 / ADV835 / ALTO
EXTERIOR						
CF	4		TBD		CEILING FAN (SEE ELEC. DIVS)	PLC 20W / 835 / 4P / ALTO
ED	11		PHOSCELE	TR-3-RP-120/CEE	IN-GRADE METAL HALIDE RECESSED GEL DOWNLIGHT	COM ELITE 35 / TC / 930
EG	9		AL-HB04M-WASP-120-24		IN-GRADE METAL HALIDE RECESSED GEL DOWNLIGHT	LED
EW	19		ED-POWER		EXTERIOR RATED LINEAR LED UPLIGHTING	70W MH
EW	3		STONCO	WPM17-1PMA	SURFACE MOUNTED METAL HALIDE WALL PACK	