



Submittal # 260000-001

TWG Construction, LLC
1010 Central Avenue, Suite B
Indianapolis, IN 46202
Phone: 317-264-1833
Fax: 317-245-2522

Project: Fall Creek View
2717 Anna Lane
Indianapolis, IN 46205

Lighting Package

APPROVERS:	Rachel Nelson (Apogee Consulting Group)	CREATED BY:	Jeremy Abbott (TWG Construction, LLC)
ISSUE DATE:	1/19/2014	CLOSED:	True
RECEIVED FROM:	Eric Handy (DGH Incorporated)	TYPE:	
DESCRIPTION:	Electrical Lighting Submittal		

NAME	DATE DUE	DATE RETURNED	STATUS	COMMENTS
Rachel Nelson	02/28/2014	03/20/2014	Reviewed	Furnish As Submitted



TRANSMITTAL

To: Jeremy Abbott **Date:** 3/20/2014
Firm: TWG Construction **Re:** The Point Fall Creek Phase II
1010 Central Avenue, Suite B Submittals
Indianapolis, IN 46202
Tel: 317-264-1833
From: Charlie Wilson **ACG Project#** 2013-091
Apogee Consulting Group, PA **Client**
7330 Chapel Hill Rd. Suite 202 **Submittal**
Raleigh, NC 27607 **Package:**
919.858.7420 x308

Description
Lighting Package

The following items are forwarded:

Submittal Comments Summary:

FURNISH AS SUBMITTED

Reviewed by: Eric Graul

Eric Graul
Signature

3/20/2014
Signed Date



SHOP DWG. LOG NO. _____

APOGEE JOB NO. 2013-091

SPEC. SECTION NO. _____

CONTRACT NO. _____

- FURNISH AS SUBMITTED
 FURNISH AS CORRECTED
 REVISED AND RESUBMIT

- REJECTED
 NOT REVIEWED
 NOT REVIEWED

Review is for general conformance with plans and specifications given in the Contract Documents. Contractor is solely responsible for dimensions, quantities, performance, safety, coordination with other work, and all other requirements of the Contract Documents. Review does not authorize changes to the Contract unless stated specifically in a separate letter or Change Order.

BY: Eric Graul DATE: 03/20/2014

THE POINT @ FALL CREEK

SUBMITTAL DRAWINGS

By: Angela Jungbauer
February 3, 2014



Techlite Corporation
7718 Loma Court
Fishers, IN 46038
317.578.2626 P
317.578.2727 F
www.techlitecorp.com



TECHLITE

ILLUMINATING SINCE 1987

Techlite Corporation
7718 Loma Court
Fishers, IN 46038
317.578.2626 P
317.578.2727 F
www.techlitecorp.com

THE POINT @ FALL CREEK

SCHEDULE

Date: 02-03-2014

Page 1

Type	Mfg	Description
A	BROWNLEE LIGHT	2300-17-NT-213G-ES3
A1	BROWNLEE LIGHT	2300-17-NT-313G-ES3
B	ROYAL PACIFIC	1052-ES/1RP180-L-ES
C	SEA GULL LIGHT	6616OBLE05
E	BROWNLEE LIGHT	5653-BN-3130-ES3
F	BROWNLEE LIGHT	2047-11-WH-13G-ES3
G	BROWNLEE LIGHT	1375-NT-13-ES3
J	NORAL	NU24W ENERGY STAR
K	NULITE	I-12-232T8-120-ISN
L	ROYAL PACIFIC	8156HA-E26/8505AL
L1	ROYAL PACIFIC	8156HA-E26/8507CL
M1	VOLUME INTERNA	V2423-33/GS-543
N	NULITE	L2D-217T8-UNV-ISN-FLG-MPF
N1	NULITE	G2-217T8-UNV-ISN-FLG
P	NULITE	L2D-232T8-UNV-ISN-FLG-MPF
Q	BROWNLEE LIGHT	7320-BL-113G-ES3
R1	U.S. ARCHITECT	RNTA20-5.188-1/RVL18-LED-III-64LED-NW-350MA-120-XX
R2	U.S. ARCHITECT	RNTA20-5.188-1/RVL18-LED-III-64LED-NW-350MA-120-XX
R2	U.S. ARCHITECT	W/HOUSE SIDE SHIELD
T	NULITE	DWM-232T8-UNV-PSN-WH-ASW
W	EXITRONIX	TL112-MH-70-MT
Z	BROWNLEE LIGHT	7328-BN-214L
X	EXITRONIX	VEXUBPWBWH
X1	EXITRONIX	VEXUBPWBWR12
REM	EXITRONIX	Z1PB
X2	EXITRONIX	LED90
PP	SCHNIEDER ELEC	SLSPPP1277
OCC	SCHNIEDER ELEC	SLSCDS2000
OCS	SCHNIEDER ELEC	SLSUWS1277UW

2300

Thin profile ceiling luminaire.



PROJECT:
MODEL #:
Fixture Type:

THE POINT @ FALL CREEK
TYPE: A
MFG: BROWNLEE
2300-17-NT-213G-ES3

STANDARD SPECIFICATIONS

- PAN: Steel, painted finish
 DIFFUSER: White acrylic
 TRIM: Decorative painted resin trim
 BALLAST: • 120V NPF Magnetic
 • 120V NPF Electronic
 LAMP: • CFL, 2-pin GX23 Base 2700K
 • Quad CFL, 4-pin G24Q Base 2700K
 • CFL, GU24 2700K



ORDERING INFORMATION

2300 - - - -
 Model 2. 3. 4. 5. (if required)

2. SIZE

17 17" dia.
 21 21.5" dia.

3. FINISH

STANDARD
 AG Antique Gold
 BL Black
 BR Brick
 BZ Bronze
 CN Chestnut
 DS Desert Stone
 GD Gold Dust
 GM Gun Metal
 MB Metallic Bronze
NT Nickel Tone
 OL Oak Leaf
 PL Platinum
 RB Rustic Bronze
 RC Rustic Copper
 WH White

CUSTOM

Provide color sample or RAL code to match

4. WATTAGE

17 SIZE	
213	2-13W CFL, mag.
313	3-13W CFL, mag.
213Q	2-13W Quad CFL, elec. NPF
313Q	3-13W Quad CFL, elec. NPF
218Q	2-18W Quad CFL, elec. NPF
226Q	2-26W Quad CFL, elec. NPF
213G	2-13W GU24 CFL, elec. NPF
313G	3-13W GU24 CFL, elec. NPF
218G	2-18W GU24 CFL, elec. NPF
223G	2-23W GU24 CFL, elec. NPF
21 SIZE	
313	3-13W CFL, mag.
413	4-13W CFL, mag.
313Q	3-13W Quad CFL, elec. NPF
413Q	4-13W Quad CFL, elec. NPF
218Q	2-18W Quad CFL, elec. NPF
318Q	3-18W Quad CFL, elec. NPF
226Q	2-26W Quad CFL, elec. NPF
326Q	3-26W Quad CFL, elec. NPF
313G	3-13W GU24 CFL, elec. NPF
413G	4-13W GU24 CFL, elec. NPF
218G	2-18W GU24 CFL, elec. NPF
318G	3-18W GU24 CFL, elec. NPF
323G	3-23W GU24 CFL, elec. NPF
226G	2-26/27W GU24 CFL, elec. NPF

5. AVAILABLE OPTIONS

BAC Buy American Compliant
 DIM1 Dimming Ballast (120 volt) (Q only except 313Q in 17 size)
 DIM2 Dimming Ballast (277 volt) (Q only except 213Q in 17 size)
ES3 ENERGY STAR® (elec., NPF) (Q & G only)
 ES4 ENERGY STAR® (elec., HPF) (Q only)
 UNV 120-277V (50/60 Hz), elec. HPF (Q only except 313Q in 17 size)

ACCESSORIES (field installed)

BBR Remote Battery Backup (Q only)
 BBRC Remote Battery Backup, Cold Weather (Q only)

2300

Thin profile ceiling luminaire.



PROJECT:
MODEL #:
Fixture Type:

THE POINT @ FALL CREEK
TYPE: A1
MFG: BROWNLEE
2300-17-NT-313G-ES3

STANDARD SPECIFICATIONS

- PAN: Steel, painted finish
 DIFFUSER: White acrylic
 TRIM: Decorative painted resin trim
 BALLAST: • 120V NPF Magnetic
 • 120V NPF Electronic
 LAMP: • CFL, 2-pin GX23 Base 2700K
 • Quad CFL, 4-pin G24Q Base 2700K
 • CFL, GU24 2700K



ORDERING INFORMATION

2300 - - - -
 Model 2. 3. 4. 5. (if required)

2. SIZE

17 17" dia.
 21 21.5" dia.

3. FINISH

STANDARD

AG Antique Gold
 BL Black
 BR Brick
 BZ Bronze
 CN Chestnut
 DS Desert Stone
 GD Gold Dust
 GM Gun Metal
 MB Metallic Bronze
NT Nickel Tone

CUSTOM

Provide color sample
 or RAL code to match

4. WATTAGE

17 SIZE

213 2-13W CFL, mag.
 313 3-13W CFL, mag.
 213Q 2-13W Quad CFL, elec. NPF
 313Q 3-13W Quad CFL, elec. NPF
 218Q 2-18W Quad CFL, elec. NPF
 226Q 2-26W Quad CFL, elec. NPF
 213G 2-13W GU24 CFL, elec. NPF
313G 3-13W GU24 CFL, elec. NPF
 218G 2-18W GU24 CFL, elec. NPF
 223G 2-23W GU24 CFL, elec. NPF

21 SIZE

313 3-13W CFL, mag.
 413 4-13W CFL, mag.
 313Q 3-13W Quad CFL, elec. NPF
 413Q 4-13W Quad CFL, elec. NPF
 218Q 2-18W Quad CFL, elec. NPF
 318Q 3-18W Quad CFL, elec. NPF
 226Q 2-26W Quad CFL, elec. NPF
 326Q 3-26W Quad CFL, elec. NPF
 313G 3-13W GU24 CFL, elec. NPF
 413G 4-13W GU24 CFL, elec. NPF
 218G 2-18W GU24 CFL, elec. NPF
 318G 3-18W GU24 CFL, elec. NPF
 323G 3-23W GU24 CFL, elec. NPF
 226G 2-26/27W GU24 CFL, elec. NPF

5. AVAILABLE OPTIONS

BAC Buy American Compliant
 DIM1 Dimming Ballast (120 volt) (Q only except 313Q in 17 size)
 DIM2 Dimming Ballast (277 volt) (Q only except 213Q in 17 size)
ES3 ENERGY STAR® (elec., NPF) (Q & G only)
 ES4 ENERGY STAR® (elec., HPF) (Q only)
 UNV 120-277V (50/60 Hz), elec. HPF (Q only
 except 313Q in 17 size)

ACCESSORIES (field installed)

BBR Remote Battery Backup (Q only)
 BBRC Remote Battery Backup, Cold Weather (Q only)

R_P Royal Pacific Ltd.
Value, Quality, Innovation

THE POINT @ FALL CREEK

TYPE: B

MFG: ROYAL PACIFIC

1052BP-ES/1RP180-L-ES

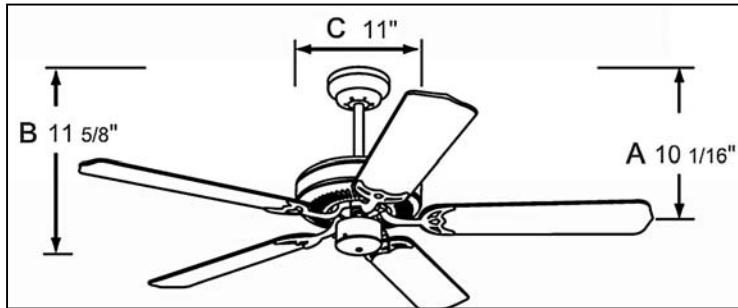
49

A

Ph: 1-800-937-6925

Fax: 1-888-207-9509

1052-ES—Royal Star I



- Blade Sweep: 52"
- No. of Blades: 5
- Lead Wire: 52"
- Dimensions:
 - A: 11 1/16"
 - B: 11 5/8"
 - C: 11"
- Motor Size: 153mm
- Speeds: 3 / Reversible
- Speed Range (RPM H/L) - 186/124/70
- CFM - 6181/3899/1926
- CFM/Watt (Low/Med/Hi) - 93/131/211
- Blade Pitch: 12°
- Watts: 55.4
- Amps: .463
- Capacitors: 3
- Warranty: Lifetime
- UL listed
- Available Finishes:
 - Black
 - Bronze Blades
 - Brushed Pewter
 - Brushed Pewter/ Rosewood Blades
 - Brushed Pewter/White Blades
 - Brushed Pewter/ Oil Rubbed
 - Heatherstone
 - Oil Rubbed Bronze
 - White
- Features:
 - Energy Star Qualified
 - Light kit adaptable

Project:

Contact:

Location:

Fixture Type:

Quantity	Remarks

THE POINT @ FALL CREEK

TYPE: B

MFG: ROYAL PACIFIC

49 1RP180-L-ES

Albuquerque, NM 87120

Ph: 1-800-937-6925

Fax: 1-888-207-9509

RP Royal Pacific Ltd.
Value, Quality, Innovation

Fan Light Kits



1RP1 AB, PB, WH
1 x 13W,20W or 23W E26 CFL Lamp (included)



1RP8-L BP, OB, WH
2 x 13W E26 CFL Lamps (Included)



1RP11-L BP, WH, OB
2 x 13W E26 CFL Lamps (included)



1RP16-L BP, OB, WH
1 x 13W,20W or 23W E26 CFL Lamp (included)
For Outdoor Use



1RP18-L AB, BK, BP, OB, PB, WH
3 x 13W E26 CFL Lamps (included)



1RP20 BP, HS, WH
2C x 60W Max - Alabaster



1RP22-L BP, OB, PB, WH
2 x 13W E26 CFL Lamps (included)



1RP28-L - BP, BK, OB, WH
3 x 13W E26 (included)



1RP80-ES-L BP, OB, WH
2 x 13W GU24 CFL (included)



1RP81-L BP, OB, WH
2 x 13W GU24 CFL (included)



1RP82-L BP, OB, WH
2 x 13W GU24 CFL (included)



1RP180-L -ES BP, OB, WH
3 x 13W GU24 CFL Lamps (included)



Project:	
Contact:	
Location:	
Fixture Type:	

Quantity	Remarks

THE POINT @ FALL CREEK
TYPE: C
MFG: SEAGULL
#66160BLE05



Fluorescent Three Light Island Pendant in Ch
66160BLE-05 - Chrome Finish

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[Outdoor Post Lanterns](#)

[House Signs](#)

[Outdoor Fluorescent](#)

[Outdoor ENERGY STAR®](#)

Fluorescent Three Light Island Pendant in Chrome Finish with Cased Opal Etched Glass



Oslo Collection

Specifications

Product #: 66160BLE-05

Finish: Chrome

Glass: Cased Opal Etched

Dimensions: L: 25 1/4" W: 4" H: 9 1/2"

Lamping: 3 Fluorescent GU24 Self Ballasted

CFL 13w Max.

Bulbs included.

Listings:

ETL Listed for Dry Locations

cETL Listed for Dry Locations

3-Year Warranty

Wish List Compare

Details

Overall Height: 52 1/4"

Supplied with 12' of wire

ENERGY STAR® Qualified

Offers energy saving fluorescent lighting

Alternate Images (click below for detail view)

5653



PROJECT:
MODEL #:
FIXTURE TYPE:

THE POINT @ FALL CREEK

TYPE: E

MFG: BROWNLEE

#5653-BN-313G-ES3

Traditional styling is the hallmark of this simple, elegant sconce.

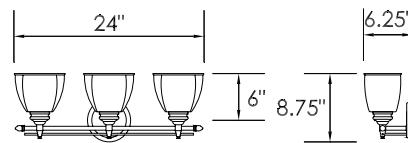
STANDARD SPECIFICATIONS

HOUSING: Steel, brushed nickel or painted finish

DIFFUSER: White glass

BALLAST: 120V NPF Electronic

LAMP: CFL, GU24 2700K



ORDERING INFORMATION

5653 - 2. - 3. - 4. (if required)

2. FINISH

STANDARD

BN Brushed Nickel

OPTIONAL

AG Antique Gold
BL Black
BR Brick
BZ Bronze
CN Chestnut
DS Desert Stone
GD Gold Dust
GM Gun Metal
MB Metallic Bronze
OL Oak Leaf
PL Platinum
RB Rustic Bronze
RC Rustic Copper
WH White

CUSTOM

Provide color sample
or RAL code to match

3. WATTAGE

313G 3-13W GU24 CFL, elec. NPF

318G 3-18W GU24 CFL, elec. NPF

4. OPTIONS & ACCESSORIES

ES3 ENERGY STAR® (elec., NPF)

2047



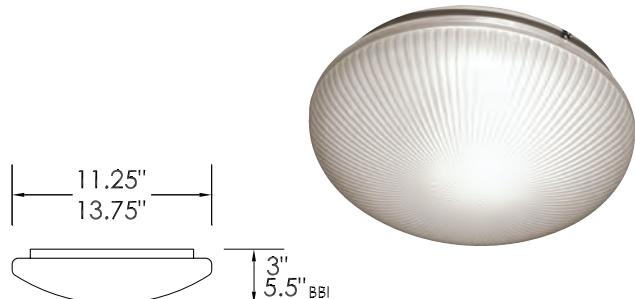
PROJECT:
MODEL #:
Fixture Type:

THE POINT @ FALL CREEK
TYPE: F
MFG: BROWNLEE
2047-11-WH-13G-ES3

This efficient and economical wall or ceiling mounted luminaire is available in two sizes.

STANDARD SPECIFICATIONS

PAN: Steel, white or black painted finish
 DIFFUSER: Frosted fluted acrylic
 BALLAST: • 120V NPF Magnetic
 • 120V NPF Electronic
 LAMP: • CFL, 2-pin GX23 Base 2700K
 • Quad CFL, 4-pin G24Q Base 2700K
 • CFL, GU24 2700K
 • Circline fluorescent 3000K



ORDERING INFORMATION

2047 - Model - 2. - 3. - 4. - 5. (if required)

2. SIZE	3. FINISH	4. WATTAGE	5. AVAILABLE OPTIONS
11 11.25" dia. 14 13.75" dia.	STANDARD WH White	11 SIZE 13 1-13W CFL, mag. 213 2-13W CFL, mag.	BAC Buy American Compliant BBI Integral Battery Backup (Q only in 14 size, adds 2" to height) BBIC Integral Battery Backup, Cold Weather (Q only in 14 size, adds 2" to height) DIM1 Dimming Ballast (120 volt) (Q only except 218Q in 11 size) DIM2 Dimming Ballast (277 volt) (Q only except 218Q in 11 size) ES3 ENERGY STAR® (elec., NPF)(Q, G, & C(4100K) only) ES4 ENERGY STAR® (elec., HPF) (Q only except 218Q in 11 size) OCC Occupancy Sensor* 11 size - 1 lamp only 14 size - 2 lamp max UNV 120-277V (50/60 Hz), elec. HPF (all Q wattages except 218Q in 11 size)
	OPTIONAL BL Black	13Q 1-13W Quad CFL, elec. NPF 213Q 2-13W Quad CFL, elec. NPF 18Q 1-18W Quad CFL, elec. NPF 218Q 2-18W Quad CFL, elec. NPF 26Q 1-26W Quad CFL, elec. NPF	
		13G 1-13W GU24 CFL, elec. NPF 213G 2-13W GU24 CFL, elec. NPF 18G 1-18W GU24 CFL, elec. NPF 218G 2-18W GU24 CFL, elec. NPF	
		22C 1-22W Circline, elec. NPF	ACCESSORIES (field installed)
		14 SIZE 213 2-13W CFL, mag. 313 3-13W CFL, mag.	BBR Remote Battery Backup (Q only) BBRC Remote Battery Backup, Cold Weather (Q only)
		213Q 2-13W Quad CFL, elec. NPF 313Q 3-13W Quad CFL, elec. NPF 18Q 1-18W Quad CFL, elec. NPF 218Q 2-18W Quad CFL, elec. NPF 26Q 1-26W Quad CFL, elec. NPF 226Q 2-26W Quad CFL, elec. NPF	
		213G 2-13W GU24 CFL, elec. NPF 313G 3-13W GU24 CFL, elec. NPF 18G 1-18W GU24 CFL, elec. NPF 218G 2-18W GU24 CFL, elec. NPF 23G 1-23W GU24 CFL, elec. NPF 223G 2-23W GU24 CFL, elec. NPF	
		22C 1-22W Circline, elec. NPF 32C 1-32W Circline, elec. NPF 54C 1-32W & 1-22W Circline, elec. NPF	

*Occupancy sensor operates with microwaves and is not recommended for use in waiting areas with elevators.

1375



Architectural square half-cylinder wall sconce for upscale applications.

PROJECT:
MODEL #:
Fixture Type:

THE POINT @ FALL
CREEK
TYPE: G
MFG: BROWNLEE
1375-NT-13-ES3

STANDARD SPECIFICATIONS

PAN: Aluminum, white painted finish
 DIFFUSER: White acrylic with painted resin frame
 BALLAST: • 120V NPF Magnetic
 • 120V NPF Electronic
 LAMP: • CFL, 2-pin GX23 Base 2700K
 • Quad CFL, 4-pin G24Q Base 2700K



ORDERING INFORMATION

1375 - _____ - _____ - 4. (if required)

2. FINISH

STANDARD

BZ Bronze
NT Nickel Tone

OPTIONAL

AG Antique Gold
BL Black
BR Brick
CN Chestnut
DS Desert Stone
GD Gold Dust
GM Gun Metal
MB Metallic Bronze
OL Oak Leaf
PL Platinum
RB Rustic Bronze
RC Rustic Copper
WH White

CUSTOM

Provide color sample
or RAL code to match

3. WATTAGE

13	1-13W CFL, mag.
213	2-13W CFL, mag.
13Q	1-13W Quad CFL, elec. NPF
213Q	2-13W Quad CFL, elec. NPF
18Q	1-18W Quad CFL, elec. NPF
218Q	2-18W Quad CFL, elec. NPF
26Q	1-26W Quad CFL, elec. NPF
226Q	2-26W Quad CFL, elec. NPF

4. AVAILABLE OPTIONS

BAC	Buy American Compliant
DIM1	Dimming Ballast (120 volt) (Q only)
DIM2	Dimming Ballast (277 volt) (Q only)
ES3	ENERGY STAR® (elec., NPF) (Q only)
ES4	ENERGY STAR® (elec., HPF) (Q only)
W	Wet Location UL Listed
UNV	120-277V (50/60 Hz), elec. HPF (Q only)

ACCESSORIES (field installed)

BBR	Remote Battery Backup (Q only)
BBRC	Remote Battery Backup, Cold Weather (Q only)

[Specialty](#) / [Fluorescent](#) / [Mini Inch](#) / [Fixtures](#)**NU-24**

24" Mini Inch Fluorescent Under Cabinet

THE POINT @ FALL CREEK
TYPE: J
MFG: NORA
#NU24W ENERGY STAR

Nora Lighting's Mini Inch Fluorescent Under Cabinet fixtures provide benefits of our new fully electronic ballast technology:

- No flickering at start up
- No noise
- No starter required
- Energy efficiency
- Cool operation
- FCC part 18A compliant for use in residences

SPECIFICATIONS

- The Mini Inch Under Cabinet series has an extremely low 1" profile and comes in five different lengths to make it ideally suited for any under cabinet installation
 - New solid state FCC 18A compliant
 - Die-formed housing of cold rolled steel
 - One piece extruded diffuser now with added breakage and UV resistors
 - Finished in baked white enamel, bronze or natural metal
 - Knockouts provided on the top corner for on-off switch and outlet installation
 - Knockouts provided at the side, back and rear for easy installation
 - Keyhole mounting slots on the back
 - Completely wired and ready for installation
 - Suitable for individual or continuous rows
 - UL listed

Lamp: 2-F8T5CW (not included)

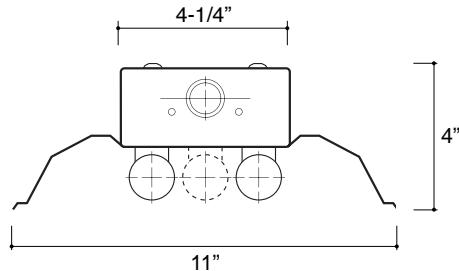
To include lamp, add suffix L to item number.

Dimensions: 24-1/2" x 5" x 1"

NULITE™



THE POINT @ FALL CREEK
TYPE: K
MFG: NULITE
I-12-232T8-120-ISN



Length	Wattage
24"	14T5, 24T5HO, 17T8
36"	21T5, 39T5HO, 25T8
48"	28T5, 54T5HO, 32T8
72"	21T5-6, 39T5HO-6, 25T8-6
96"	28T5-8, 54T5HO-8, 32T8-8, 59T8

Project Name:	
Type:	
Catalog #:	

Description:

The Nulite I-12 is an industrial grade luminaire which is ideal for retail, commercial and industrial applications. The I-12 may be surface mounted or suspended, individually or in continuous row.

Specifications:

Construction: Die formed, 22 gauge, cold rolled steel designed for high strength. The housing finish is white baked enamel. End caps snap in for easy installation and maintenance. In addition, the end cap can be used as a joint aligner for continuous row mounting.

Reflector / Ballast: Reflector is finished with a minimum of 82% reflectance white baked enamel. Optional specular Miro®4 reflector. Standard electronic, Class P, ballast. Universal (UNV) voltage ballast is from 120 to 277V.

Lamping: 2 or 3 lamp cross-section T5, T5HO or T8. Nominal 6' and 8' housings are tandem lamp configurations except for 59W. Luminaire can be ordered with lamps, consult factory.

Mounting: Luminaires may be surface mounted or suspended, individually or in continuous row.

Labels: UL / cUL listed. Damp location is optional.

Ordering Information

Sample: I-12-232T8-UNV-HEISH-3C

Series	Lamp	Wattage	Voltage	Ballast	Options	Mounting
I-12						
1	14T5 24T5HO 17T8 21T5 39T5HO 25T8 28T5 54T5HO 32T8	UNV 120 277 347 ¹ 480 ¹	T8 Options IS (Standard) Instant Start	Ballast Factor N Normal (Standard)	EM ² Emergency Battery Pack	3C 3' Chain Set
2			PS Program Start	L Low	DL Damp Location	SC Stem & Canopy Specify length
3			HEIS High Efficiency Instant Start	H High	WG Wireguard	
			HEPS High Efficiency Program Start		CEP Closed Endplates	
			T5/T5HO Ballast Factor		AP Aperture Reflector (10% Uplight)	
			PS (Standard) Program Start	N Normal	MLS Multi-Level Switching	
			HEPS ¹ High Efficiency Program Start		M4 Miro®4 Reflector	
			All Lamp Dimming Options		QW Quick Through Wiring for Continuous Row Applications	
			DIM ¹ Dimming SD ¹ Step Dimming		GLR Fusing	

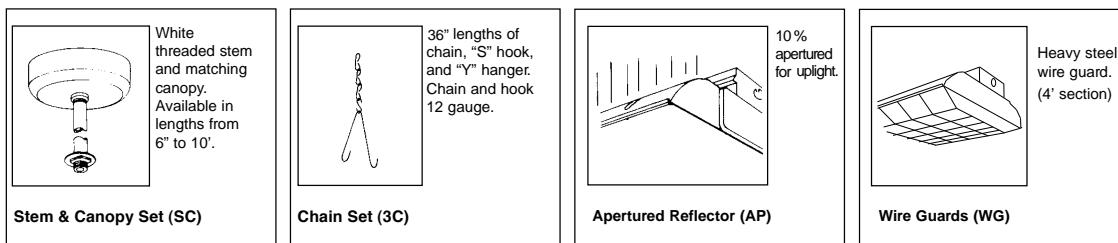
Notes:

1. Consult factory.

2. Specific voltage must be ordered for this option. Consult factory for nom. 2' and 3' units.

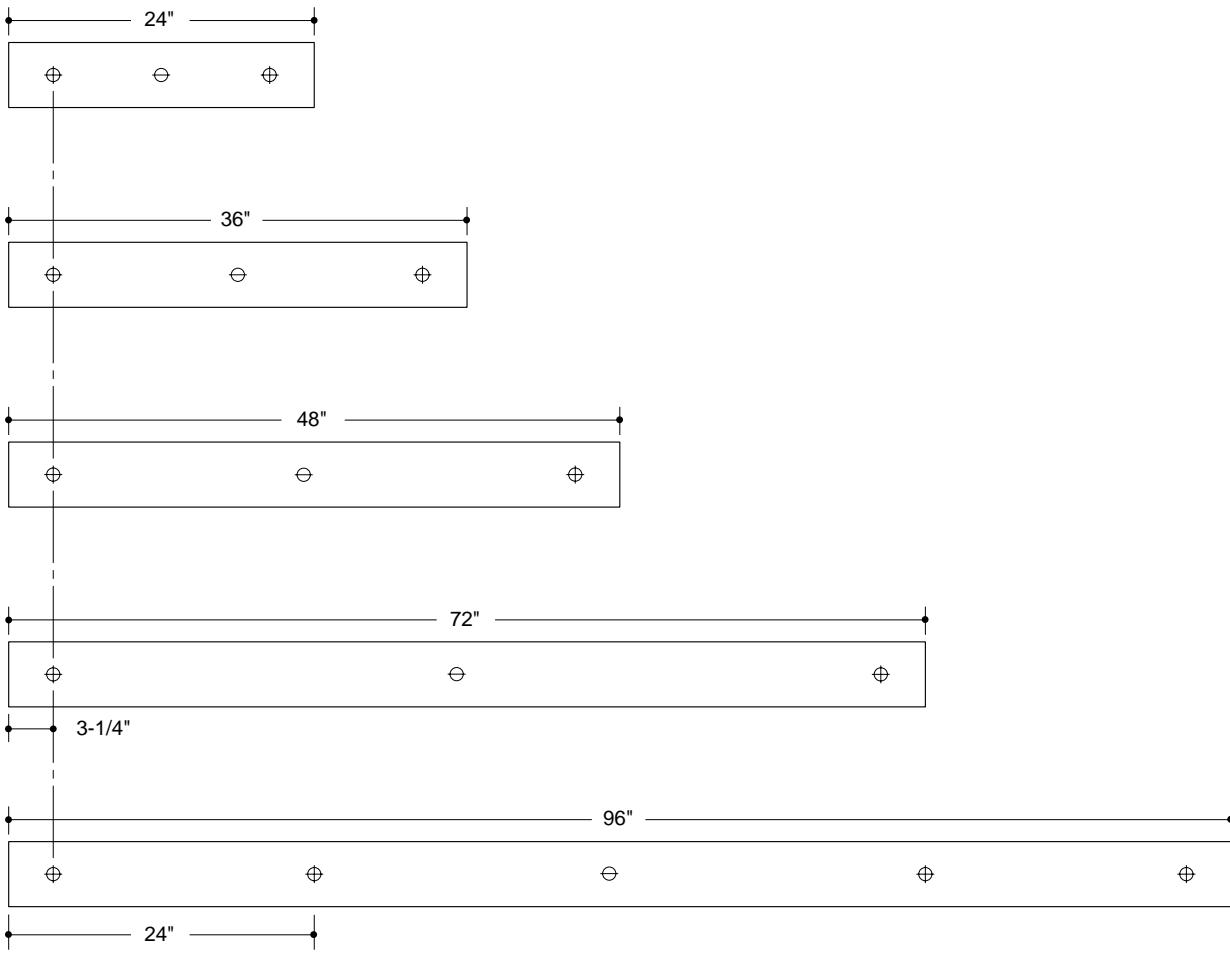
Specifications and dimensions are subject to change without notification. Specification sheets on our website supersede all other versions. Nulite reserves the right to bulk package any order.

Industrial Options



Plan view of KOs on back of channel

All housings have 7/8" KOs on both ends as well as on the back of the channel. In addition, each channel has eyelets and other holes for mounting by various means.



Specifications and dimensions are subject to change without notification.

THE POINT @ FALL CREEK
 TYPE: L
 MFG: ROYAL PACIFIC
 8156HA-E26/ 85005AL



4931 Paseo Del Norte NE
 Albuquerque, NM 87113
 Ph: 1-800-937-6925
 Fax: 1-888-207-9509

8156HA / 8156HA-E26 / 8156HA-EM / 8156HA-DM

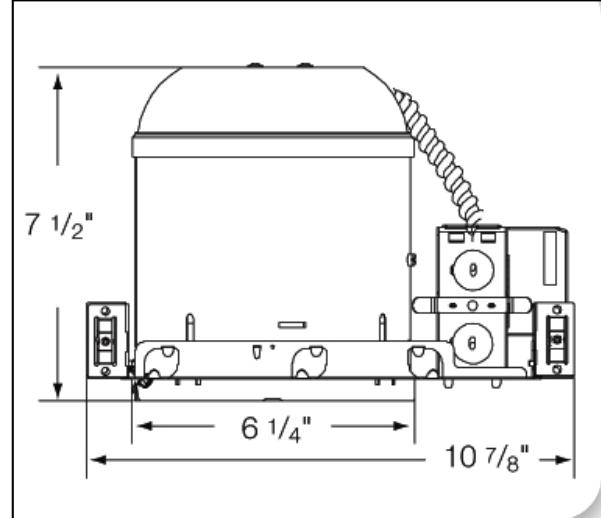
6" IC Airtight Compact Fluorescent Housing

COMPACT FLUORESCENT HOUSING



GENERAL DESCRIPTION

Compact fluorescent housing.



MAIN FEATURES

Standards Conformance

- IC Rated for direct contact with insulation.
- Thermally protected against improper lamping.
- Meets Washington State energy code for restricted airflow requirements.

Listing

- UL & cUL listed for damp location and feed through wiring.

Voltage

- Dual 120/277.

Lamps

- Vertically mounted
- 1 x 26W DTT
- 1 x 32W TRT
- 1 x 42W TRT

Ballast

- High power factor (HPF) electronic.
- For 4-pin type lamp.

Junction Box

- Listed for through-branch circuit wiring (4 in-4 out) and five 1/2" knockouts and four non-metallic cable knockouts with strain clamps.
- 3-port quick connectors pre-installed in J-box.

Bar Hangers

- Pre-installed bar hangers allow the housing to be positioned at any point within a 24" joist span.
- Bar hangers can be turned 90° on the plaster frame.
- Bar hangers are designed to fit T-bar spine without additional clamps for use in drop ceilings.
- Pre-installed captive nails on bar hangers.

Fit

- Adjusts to accommodate up to 1 1/4" ceiling thickness.
- 7 3/4" height allows use in 2" x 8" joist construction.

Alternate Configurations

- 8156HA-EM includes a pre-installed emergency backup unit which provides 90 minutes of illumination when normal power source fails.
- 8156HA-DM includes a dimmable ballast.

Project:

Contact:

Location:

Fixture Type:

Quantity	Remarks


Royal Pacific, Ltd.
 Value, Quality, Energy Efficient

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Trims for Recessed Housings



Products

Trims for 8106HA, 8193HA-ES, 8196HA-ES, 8196HRA-ES, 8198HA-E26, 8198HRA-E26, 8123HAQ & 8123HRA

6" Housings

Recessed Lighting

Ceiling Fans

Track Lighting

Exit / Emergency

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Fluorescent Lighting

Under Cabinet Lighting

Outdoor Lighting

Lamps

Wiring Devices

More...

- Additional Products Offerings
- Hospitality / Property Mgmt
- Energy Star Qualified Products
- Close-Out

Type	Item #	Remarks	O.D.
	8502FS	Wet location listed Metal trim ring available	8"
	8505AL	Wet location listed Metal trim ring available	8"
	8507	Finishes: BA, CL, WH	8"
	8509DR	Wet location listed Metal trim ring available	8"
	8522	White	8"
	8537	White Wet location listed	8"
	8542	White	8"
	8543	Finishes: BK, WH	8"
	8546	White	8"
	8512WH	White	8"
	8525CL	Clear reflector,clear lens w/frosted center	8"
	8525WH	Clear reflector, white baffle, clear lens w/frosted center	8"
	8518CL	Clear reflector	8"







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THE POINT @ FALL CREEK
 TYPE: L1
 MFG: ROYAL PACIFIC
 8156HA-E26/ 8507CL



4931 Paseo Del Norte NE
 Albuquerque, NM 87113
 Ph: 1-800-937-6925
 Fax: 1-888-207-9509

8156HA / 8156HA-E26 / 8156HA-EM / 8156HA-DM

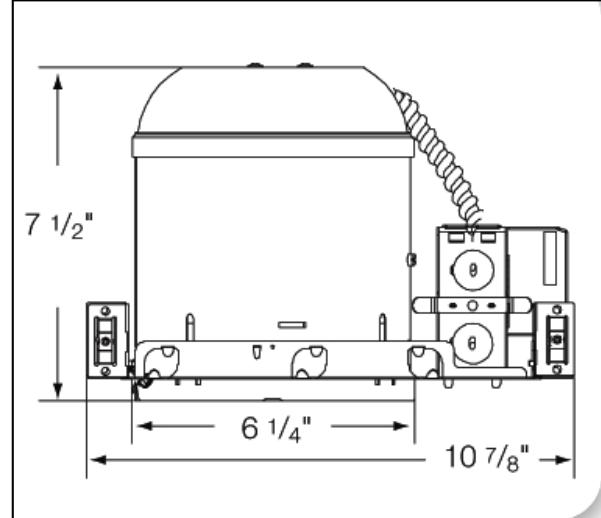
6" IC Airtight Compact Fluorescent Housing

COMPACT FLUORESCENT HOUSING



GENERAL DESCRIPTION

Compact fluorescent housing.



MAIN FEATURES

Standards Conformance

- IC Rated for direct contact with insulation.
- Thermally protected against improper lamping.
- Meets Washington State energy code for restricted airflow requirements.

Listing

- UL & cUL listed for damp location and feed through wiring.

Voltage

- Dual 120/277.

Lamps

- Vertically mounted
- 1 x 26W DTT
- 1 x 32W TRT
- 1 x 42W TRT

Ballast

- High power factor (HPF) electronic.
- For 4-pin type lamp.

Junction Box

- Listed for through-branch circuit wiring (4 in-4 out) and five 1/2" knockouts and four non-metallic cable knockouts with strain clamps.
- 3-port quick connectors pre-installed in J-box.

Bar Hangers

- Pre-installed bar hangers allow the housing to be positioned at any point within a 24" joist span.
- Bar hangers can be turned 90° on the plaster frame.
- Bar hangers are designed to fit T-bar spine without additional clamps for use in drop ceilings.
- Pre-installed captive nails on bar hangers.

Fit

- Adjusts to accommodate up to 1 1/4" ceiling thickness.
- 7 3/4" height allows use in 2" x 8" joist construction.

Alternate Configurations

- 8156HA-EM includes a pre-installed emergency backup unit which provides 90 minutes of illumination when normal power source fails.
- 8156HA-DM includes a dimmable ballast.

Project:

Contact:

Location:

Fixture Type:

Quantity	Remarks


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More...

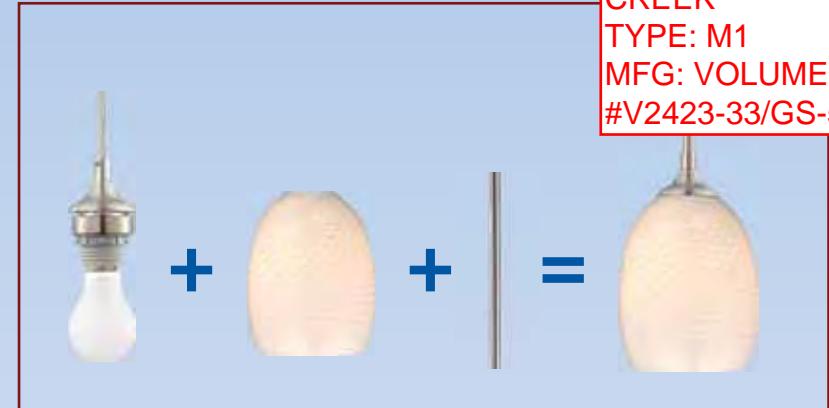
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[Energy Star Qualified Products](#)
[Close-Out](#)


Trims for Recessed Housings


Trims for 8106HA, 8193HA-ES, 8196HA-ES, 8196HRA-ES, 8198HA-E26, 8198HRA-E26, 8123HAQ & 8123HRA
6" Housings

	Type	Item #	Remarks	O.D.
	Shower, Lexan, Fresnel Lens	8502FS	Wet location listed Metal trim ring available	8"
	Lexan Flat Opal Albalite Lens	8505AL	Wet location listed Metal trim ring available	8"
	Reflector	8507	Finishes: BA, CL, WH	8"
	Lexan Drop Opal	8509DR	Wet location listed Metal trim ring available	8"
	Fresnel Lens w/White Baffle	8522	White	8"
	Regressed Drop Opal w/White Baffle	8537	White Wet location listed	8"
	Reflector, Clear w/White Baffle	8542	White	8"
	Reflector, Clear w/Baffle	8543	Finishes: BK, WH	8"
	Splay	8546	White	8"
	Full Cone Baffle	8512WH	White	8"
	Reflector	8525CL	Clear reflector, clear lens w/frosted center	8"
	Reflector	8525WH	Clear reflector, white baffle, clear lens w/frosted center	8"
	Reflector	8518CL	Clear reflector	8"



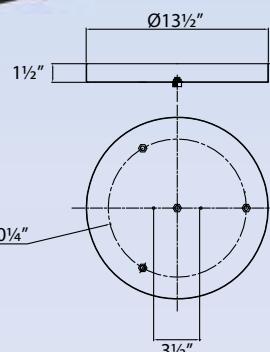


THE POINT - @ FALL CREEK
TYPE: M1
MFG: VOLUME
#V2423-33/GS-543



V0170-33
Brushed Nickel
 Canopy to mount
 3 pendants

V0170-79
Antique Bronze
 Canopy to mount
 3 pendants



- Pendants are supplied with 10-foot cord
- Track pendant adapter optional

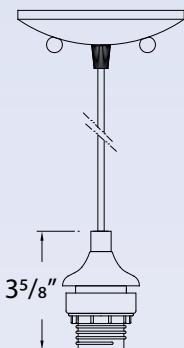
V2723-5

Optional Stems
V0089-33
 6" Stems

V0090-33
 12" Stems

Optional Stems
V0089-79
 6" Stems

V0090-79
 12" Stems



V2421
 1x100W Med. Base



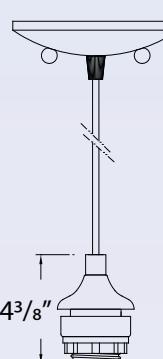
V2421-33©
Brushed Nickel
 1x100W Med. Base
 Light bulb not included



G24q-1 L-PLR13W/27
 Base 13W G24q-1 Base
 Volume Lighting



V2421-79©
Antique Bronze
 1x100W Med. Base
 Light bulb not included



★V2423
 1x13W G24q-1 Base
 120V NPF Electronic Ballast
 Light bulb not included

★V2423-79©
Antique Bronze
 1x13W G24q-1 Base
 120V NPF Electronic Ballast
 Light bulb not included

★V2423-33©
Brushed Nickel
 1x13W G24q-1 Base
 120V NPF Electronic Ballast
 Light bulb not included



GS-307
Clear Glass
3"W × 8"H



GS-308
White Frit Glass
3"W × 8"H



GS-309
Amber Frit Glass
3"W × 8"H



GS-310
Red Frit Glass
3"W × 8"H



GS-316
Etched White Cased
Glass
3"W × 8"H



GS-306
White with Clear Edge Glass
3"W × 8"H



GS-317
Etched Amber Cased Glass
3"W × 8"H



GS-313
Etched Red Cased Glass
3"W × 8"H



GS-315
Etched Blue Cased Glass
3"W × 8"H



GS-407
Clear Glass
4 1/4"W × 9"H
Can be used with GS-306 to
GS-317



GS-540
White Frit Glass
5"W × 8 1/2"H



GS-542
Red Frit Glass
5"W × 8 1/2"H



GS-541
Amber Frit Glass
5"W × 8 1/2"H



GS-543
Etched White Cased Glass
5"W × 8 1/2"H



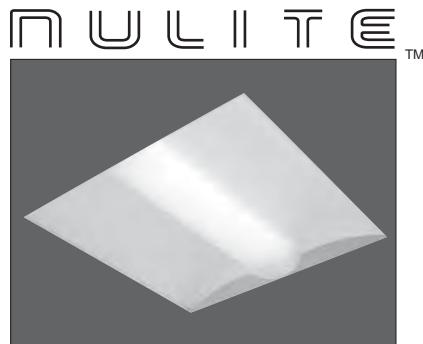
GS-546
Etched Blue Cased Glass
5"W × 8 1/2"H



GS-547
Etched Amber Cased Glass
5"W × 8 1/2"H



GS-545
Etched Red Cased Glass
5"W × 8 1/2"H



Sottile 2D (2x2)

THE POINT @ FALL CREEK

TYPE: N

MFG: NULITE

L2D-217T8-UNV-ISN-FLG-MPF

Project Name:

Type:

Catalog #:

Description:

The Nulite Sottile [so-tee-lay] 2D series is a new fully luminous architectural recessed luminaire. This cost effective, energy efficient luminaire series provides soft ambient illumination.

Specifications:

Construction: Die formed cold rolled steel housing. Housing finish is white baked enamel. Optional die formed 20 gauge cold rolled steel housing and powder coated white paint after fabrication. Access plate allows for easy wiring without opening luminaire.

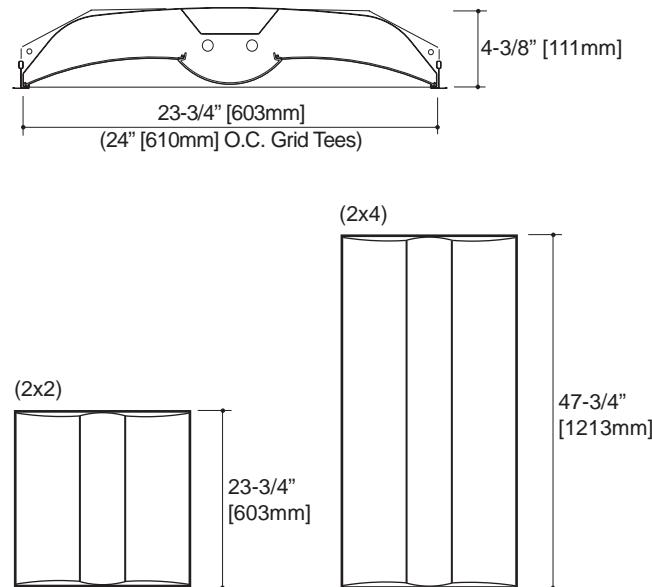
Reflector / Ballast: Ballast cover/pan is finished with high reflectance white paint. Standard electronic, Class P, ballast. Universal (UNV) voltage is from 120 - 277V.

Shielding: Extruded 3-piece smooth frosted acrylic diffusers. Spring tension shift-and-remove center diffuser for convenient lamp maintenance. Optional center diffusers: internal radial white baffle with clear linear prism, frosted linear prism, clear smooth with round perf overlay and white metal perf with inlay.

Lamping: 1, 2 or 3 lamp cross-section. 3 lamp not available for long twin tube and consult factory for T5HO. Luminaire can be ordered with lamps, consult factory.

Mounting: Acoustical grid. Non-IC rated. Optional inaccessible ceiling or surface mounting.

Labels: UL / cUL listed. Optional Damp location.



Ordering Information

Sample: L2D-228T5-UNV-PSN-IRB-DL

Series	Lamp	Wattage	Voltage	Ballast	Options	
L2D						
(Nom. 2' width)	1 2 3 ¹	(2' Nom. Length) 14T5 24T5HO 17T8 40FT 50FT 55FT	UNV 120 277 347 ²	T8 Options IS (Standard) Instant Start PS Program Start HEIS High Efficiency Instant Start HEPS High Efficiency Program Start T5/T5HO/FT PS (Standard) Program Start HEPS ³ High Efficiency Program Start All Lamp Dimming Options DIM ³ Dimming SD ³ Step Dimming	Ballast Factor N Normal (Standard) L Low H High Ballast Factor N Normal FLG Flange Kit	QS ⁴ Quick Ship IRB Internal Radial White Baffle with Clear Linear Prism Center Diffuser RFD Frosted Linear Prism Center Diffuser RPO Round Perforated Overlay Center Diffuser MPF White Metal Perforated Center w/ Inlay MLS Multi-Level Switching (3-Lamp Only) EM ⁵ Emergency Battery Pack AIR ⁶ Air Return GLR Fusing DL Damp Location CP Chicago Plenum SIC Seismic Clips SF Surface Mount LRC Lens Retainer Clip 20PAF 20 ga. CRS / Paint After Fabrication DSR Daylight Sensor - Remote FLEX3 6' of Flex, 3-wire FLEX4 6' of Flex, 4-wire HP28 High Performance for (2) 28W T5 Only
	28T5 54T5HO 32T8					

Notes:

1. Not available for Long Twin Tube. Consult factory for T5HO.
2. Not available with EM option.
3. Consult factory.
4. Consult factory before ordering.
5. Specific voltage must be ordered for this option. Some EM's may require "doghouse" or remote mounting, consult factory.
6. Not all options available with Air Return, consult factory. Seismic clips are not available with this option.

Specifications and dimensions are subject to change without notification. Specification sheets on our website supersede all other versions. Nulite reserves the right to bulk package any order.

2013 Rev. D1

Center Diffuser Options

IRB



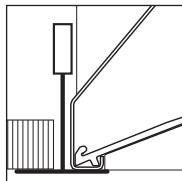
RFD



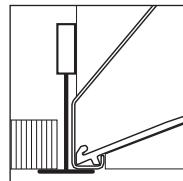
RPO



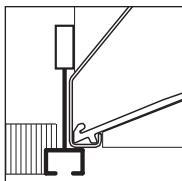
MPF

Grid Ceiling Mounting Details

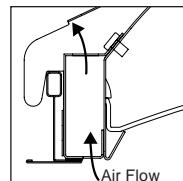
1" Tee Grid



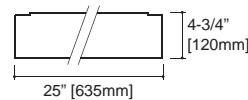
9/16" Tee Grid



Screw Slot Grid

AIR Option - Slotted
Black Side Rails**Surface Mounting**

SF Option



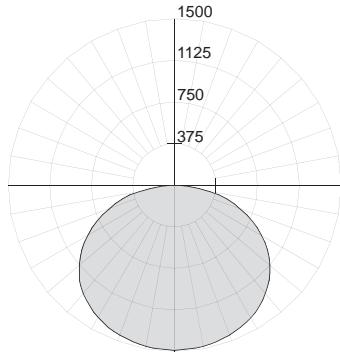
4-3/4" [120mm]

25" [635mm]

Photometric Curves**Cat. # L2D-228T5... RFD-HP28**

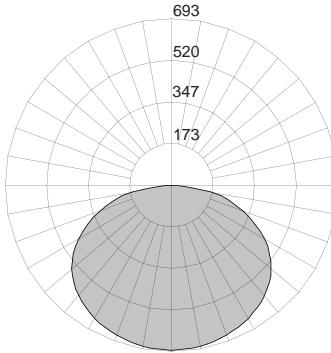
Initial lamp lumens - 5200

Efficiency - 90.6%

**Cat. # L2D-128T5...**

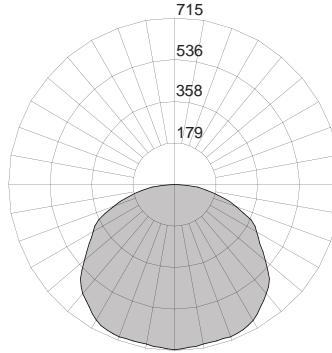
Initial lamp lumens - 2600

Efficiency - 85.7%

**Cat. # L2D-128T5... RCD**

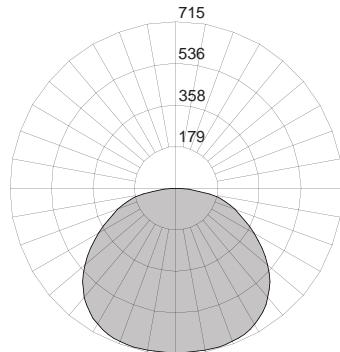
Initial lamp lumens - 2600

Efficiency - 86.5%

**Cat. # L2D-128T5... RFD**

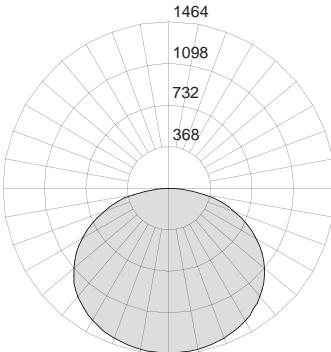
Initial lamp lumens - 2600

Efficiency - 86.0%

**Cat. # L2D-228T5...**

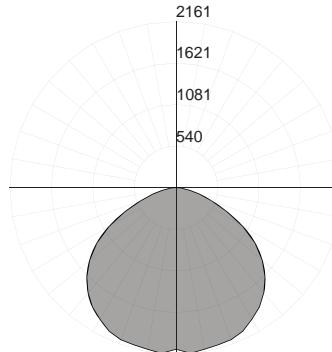
Initial lamp lumens - 5200

Efficiency - 88.2%

**Cat. # L2D-328T5...**

Initial lamp lumens - 7800

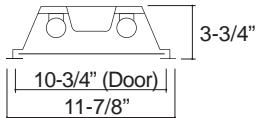
Efficiency - 80.8%

*Specifications and dimensions are subject to change without notification.*

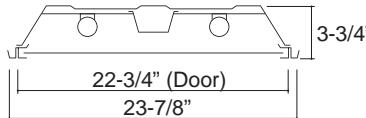
NULITE™



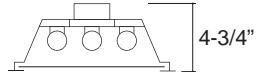
(2-Lamp)



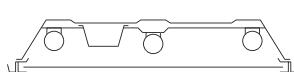
(2-Lamp)



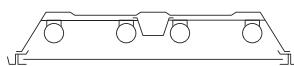
(1 or 3-Lamp)



(3-Lamp)



(4-Lamp)



THE POINT @ FALL CREEK
TYPE: N1
MFG: NULITE
G2-217T8-UNV-ISN-FLG

Project Name:

Type:

Catalog #:

Description:

The Nulite G series is a commercial grade recessed grid lay-in troffer. Unit has a concealed latch hinge door with standard A12 prismatic lens.

Specifications:

Construction: Die formed housing of 23 gauge cold rolled steel with embosses for maximum rigidity. Housing is finished with white enamel paint. Snap-in access plate for easy wiring without opening luminaire.

Reflector / Ballast: Ballast cover/pan is finished with high reflectance white enamel paint. Standard electronic, Class P, ballast. Universal (UNV) voltage is from 120 to 277V.

Shielding: Latch hinge door is standard with A12 prismatic lens. Optional - A15 pattern, smooth white lens, clear acrylic or drop white acrylic lens.

Lamping: 1, 2, 3 or 4 lamp cross-section of T5, T5HO or T8. Luminaire can be ordered with lamps, consult factory.

Mounting: Exposed T-bar ceiling, Non-IC rated.

Labels: UL / cUL listed. Non-IC rated. Damp location is optional.

Ordering Information

Sample: G2-332T8-277-HEISH-EM

Series	Lamp	Wattage	Voltage	Ballast	Options	
(1x2 or 1x4) G1 ¹	(1x2 or 1x4) 1 ²	(1x2 or 2x2) 14T5 24T5HO	UNV 120 277 347 ³	T8 Options IS (Standard) Instant Start PS Program Start HEIS High Efficiency Instant Start HEPS High Efficiency Program Start	Ballast Factor N Normal (Standard) L Low H High	EM ⁴ Emergency Battery Pack DL Damp Location A15 A15 Pattern Lens CL Clear Acrylic Lens DPA Drop White Acrylic Lens
(2x2 or 2x4) G2	2 ³	(1x4 or 2x4) 17T8		T5/T5HO PS (Standard) Program Start HEPS ³ High Efficiency Program Start	Ballast Factor N Normal	ASW Acrylic Smooth White Lens GLR Fusing FLEX3 6' of Flex, 3-wire
	(2x2 or 2x4) 2	(1x4 or 2x4) 28T5		All Lamp Dimming Options DIM ³ Dimming SD ³ Step Dimming		FLEX4 6' of Flex, 4-wire (Consult factory - requires dual circuits)
	3	54T5HO				FLG=FLANGE KIT
	4	32T8				

Notes:

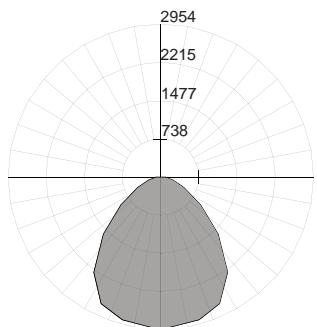
1. EM or MLS is not available for the 1 or 3 lamp G1 Series.
2. Not available for T5 or T5HO.
3. Consult factory.
4. Specific voltage must be ordered for this option. Consult factory for nominal 2' units.

Specifications and dimensions are subject to change without notification. Specification sheets on our website supersede all other versions. Nulite reserves the right to bulk package any order.

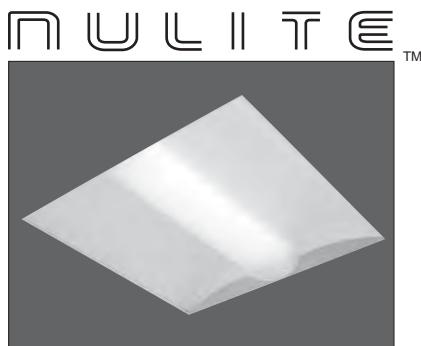
Photometric Curve

Cat.# G2-432T8...

Initial lamp lumens - 11600 (4 lamps)



Specifications and dimensions are subject to change without notification.



Sottile 2D (2x2)

THE POINT @ FALL CREEK

TYPE: P

MFG: NULITE

L2D-232T8-UNV-ISN-FLG-MPF

Project Name:

Type:

Catalog #:

Description:

The Nulite Sottile [so-tee-lay] 2D series is a new fully luminous architectural recessed luminaire. This cost effective, energy efficient luminaire series provides soft ambient illumination.

Specifications:

Construction: Die formed cold rolled steel housing. Housing finish is white baked enamel. Optional die formed 20 gauge cold rolled steel housing and powder coated white paint after fabrication. Access plate allows for easy wiring without opening luminaire.

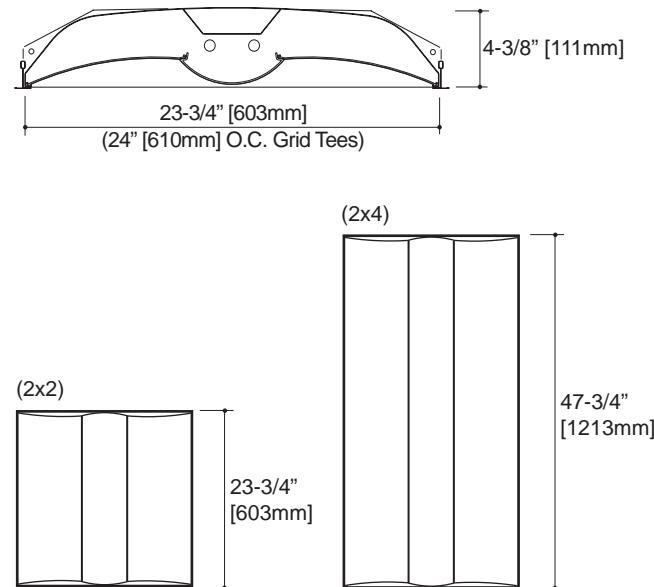
Reflector / Ballast: Ballast cover/pan is finished with high reflectance white paint. Standard electronic, Class P, ballast. Universal (UNV) voltage is from 120 - 277V.

Shielding: Extruded 3-piece smooth frosted acrylic diffusers. Spring tension shift-and-remove center diffuser for convenient lamp maintenance. Optional center diffusers: internal radial white baffle with clear linear prism, frosted linear prism, clear smooth with round perf overlay and white metal perf with inlay.

Lamping: 1, 2 or 3 lamp cross-section. 3 lamp not available for long twin tube and consult factory for T5HO. Luminaire can be ordered with lamps, consult factory.

Mounting: Acoustical grid. Non-IC rated. Optional inaccessible ceiling or surface mounting.

Labels: UL / cUL listed. Optional Damp location.



Ordering Information

Sample: L2D-228T5-UNV-PSN-IRB-DL

Series	Lamp	Wattage	Voltage	Ballast	Options	
L2D						
(Nom. 2' width)	1 2 3 ¹	(2' Nom. Length) 14T5 24T5HO 17T8 40FT 50FT 55FT	UNV 120 277 347 ²	T8 Options IS (Standard) Instant Start PS Program Start HEIS High Efficiency Instant Start HEPS High Efficiency Program Start	Ballast Factor N Normal (Standard) L Low H High	QS ⁴ Quick Ship IRB Internal Radial White Baffle with Clear Linear Prism Center Diffuser RFD Frosted Linear Prism Center Diffuser RPO Round Perforated Overlay Center Diffuser MPF White Metal Perforated Center w/ Inlay MLS Multi-Level Switching (3-Lamp Only) EM ⁵ Emergency Battery Pack AIR ⁶ Air Return GLR Fusing DL Damp Location FLG Flange Kit CP Chicago Plenum SIC Seismic Clips SF Surface Mount LRC Lens Retainer Clip 20PAF 20 ga. CRS / Paint After Fabrication DSR Daylight Sensor - Remote FLEX3 6' of Flex, 3-wire FLEX4 6' of Flex, 4-wire HP28 High Performance for (2) 28W T5 Only
		(4' Nom. Length) 28T5 54T5HO 32T8		T5/T5HO/FT PS (Standard) Program Start HEPS ³ High Efficiency Program Start	Ballast Factor N Normal	
				All Lamp Dimming Options DIM ³ Dimming SD ³ Step Dimming		

Notes:

1. Not available for Long Twin Tube. Consult factory for T5HO.
2. Not available with EM option.
3. Consult factory.
4. Consult factory before ordering.
5. Specific voltage must be ordered for this option. Some EM's may require "doghouse" or remote mounting, consult factory.
6. Not all options available with Air Return, consult factory. Seismic clips are not available with this option.

Specifications and dimensions are subject to change without notification. Specification sheets on our website supersede all other versions. Nulite reserves the right to bulk package any order.

2013 Rev. D1

Center Diffuser Options

IRB



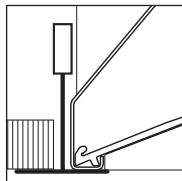
RFD



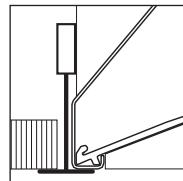
RPO



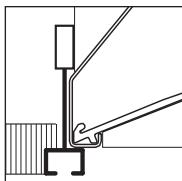
MPF

Grid Ceiling Mounting Details

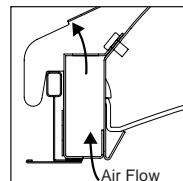
1" Tee Grid



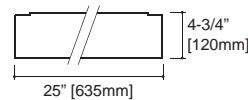
9/16" Tee Grid



Screw Slot Grid

AIR Option - Slotted
Black Side Rails**Surface Mounting**

SF Option



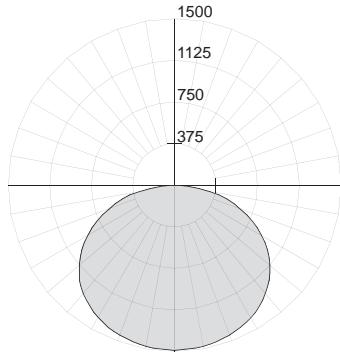
4-3/4" [120mm]

25" [635mm]

Photometric Curves**Cat. # L2D-228T5... RFD-HP28**

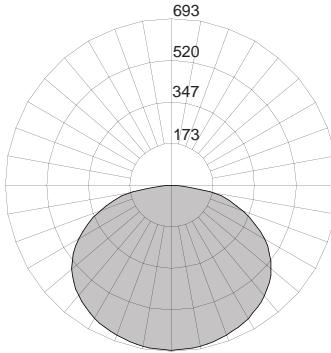
Initial lamp lumens - 5200

Efficiency - 90.6%

**Cat. # L2D-128T5...**

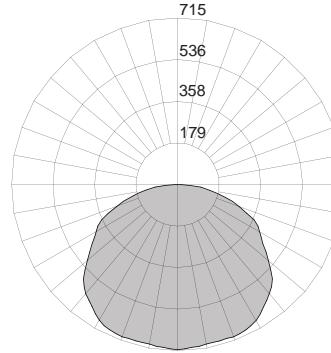
Initial lamp lumens - 2600

Efficiency - 85.7%

**Cat. # L2D-128T5... RCD**

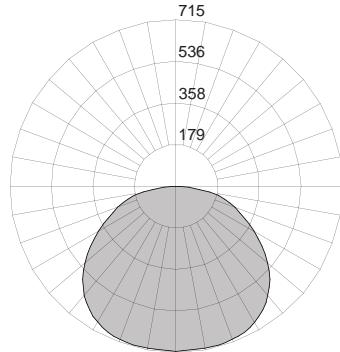
Initial lamp lumens - 2600

Efficiency - 86.5%

**Cat. # L2D-128T5... RFD**

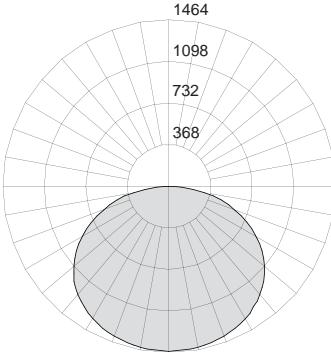
Initial lamp lumens - 2600

Efficiency - 86.0%

**Cat. # L2D-228T5...**

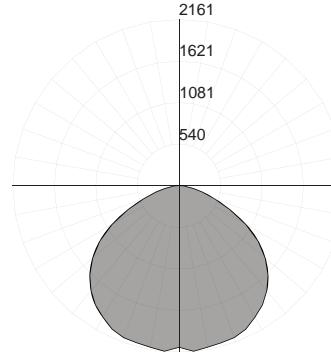
Initial lamp lumens - 5200

Efficiency - 88.2%

**Cat. # L2D-328T5...**

Initial lamp lumens - 7800

Efficiency - 80.8%

*Specifications and dimensions are subject to change without notification.*

7320



THE POINT @ FALL CREEK

TYPE: Q

MFG: BROWNLEE

7320-BL-113G-ES3

Contemporary outdoor wall lantern featuring energy efficient compact fluorescent lamp. Ideal for entryway lighting and general outdoor security applications.

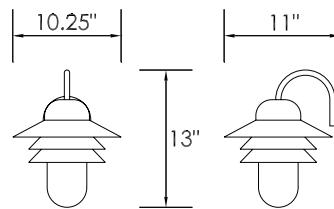
STANDARD SPECIFICATIONS

HOUSING: Black or white polypropylene, fully gasketed

DIFFUSER: Clear prismatic polycarbonate

BALLAST: 120V NPF Electronic

LAMP: CFL, GU24 2700K



ORDERING INFORMATION

7320 - _____ - 2. _____ - 3. _____ - 4. (if required)

2. FINISH

BL Black
WH White

3. WATTAGE

13G 1-13W GU24 CFL, elec. NPF
16G 1-16W GU24 CFL, elec. NPF

4. AVAILABLE OPTIONS

BAC Buy American Compliant
ES3 ENERGY STAR® (elec., NPF)
POT Photo Control (120 volt)

SOLID STATE AREA LIGHTING

RVL SERIES-LED SPECIFICATIONS

HOUSING

Heavy wall aluminum construction with integral domed top. Twin flutes have been formed into housing to add aesthetic value and to provide for multicolored bands to signaturize installation

ARM

3"X5"X6" long heavy wall extruded aluminum. Arm is secured to housing and to pole with stainless steel rods.

VLED® OPTICAL MODULE

Low copper A356 alloy (<.2% copper) cast aluminum housing. Integrated clear tempered 3/16" glass lens sealed with a continuous silicone gasket protects emitters (LED's) and emitter Reflector-Prism optics, and seals the module from water intrusion and environmental contaminants. LED's are available in standard Neutral White (4000K), or optional Cool White (5000K) or Warm White (3000K). Each emitter is optically controlled by a Reflector-Prism injection molded from H12 acrylic (3 types per module; one from 0° - 50°; one from 50° - 65°; one from 65° - 72°). Each Reflector-Prism has indexing pins for aiming and is secured to an optical plate made of matte black anodized aluminum. The optical plate locates every Reflector-Prism over an emitter. Reflector-Prisms are secured to the optical plate with a UV curing adhesive. The Reflector-Prisms are arrayed to produce IES Type II, III, IV, and V-SQ Distributions. The entire Optical Module is field rotatable in 90° increments. Both module and drivers are factory wired using water resistant, insulated cord. Lens, module and drivers are field replaceable.

LED EMITTERS

High Output LED's are driven at 350mA for nominal 1 Watt output each. LED's are available in standard Neutral White (4000K), or optional Cool White (5000K) or Warm White (3000K). Consult Factory for other LED options.

LED DRIVER

UL and CUL recognized High Power Factor, Constant Current LED drivers operate on input voltages from 120-277VAC, 50/60hz. Consult Factory for 347-480VAC. Driver is mechanically fastened to a retaining bracket. Main power quick disconnect provided. Driver has a minimum 4KV of internal surge protection, 10KV & 20KV Surge Protector optional. Dimming and High-Low Driver options available.

FINISH

Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability. Texture finish is standard.

PROJECT NAME:

Fixture Type:

THE POINT @ FALL CREEK

TYPE: R1

MFG: US ARCHITECTURAL

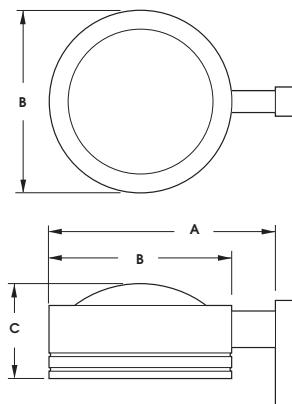
#RVL18-LED-III-64LED-

NW-350MA-120-XX



RVL

PATENT PENDING



Fixture	A	B	C
RVL18	24" 610mm	18" 457mm	11" 279mm
RVL25	31" 787mm	25" 635mm	13" 330mm

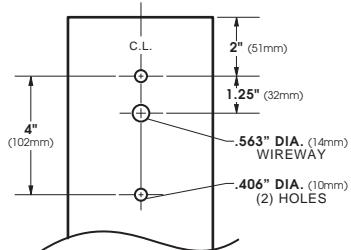


2013158

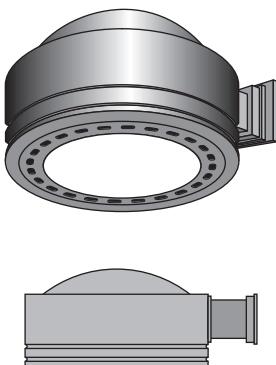
RVL SERIES - LED

S P E C I F I C A T I O N S

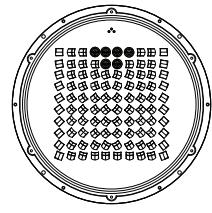
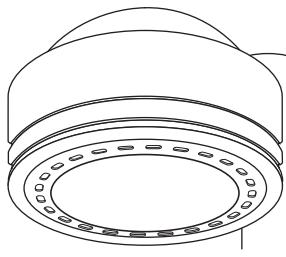
POLE DRILLING TEMPLATE



WALL MOUNT



VLED® MODULES



RVL25 E.P.A.=1.65
Available in:
120, 100, 80 & 64 LED Module

OVERVIEW

PRECISE CAST ALUMINUM LED MODULE.
HOUSING IS VENTED TO PROVIDE AIR FLOW
FOR THERMAL MANAGEMENT.

SELF CONTAINED, LENSED LED MODULE.

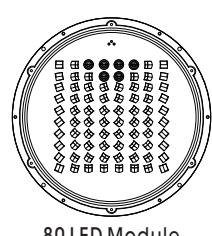
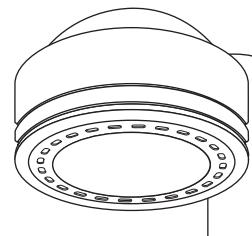
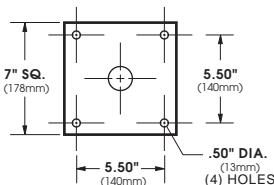
PROPRIETARY LED OPTICS SEALED IN LED
MODULE.

LUXEON® REBEL LED EMITTERS.

LED DRIVER ACCEPTS FROM 100-277 VAC
INPUT VOLTAGE.

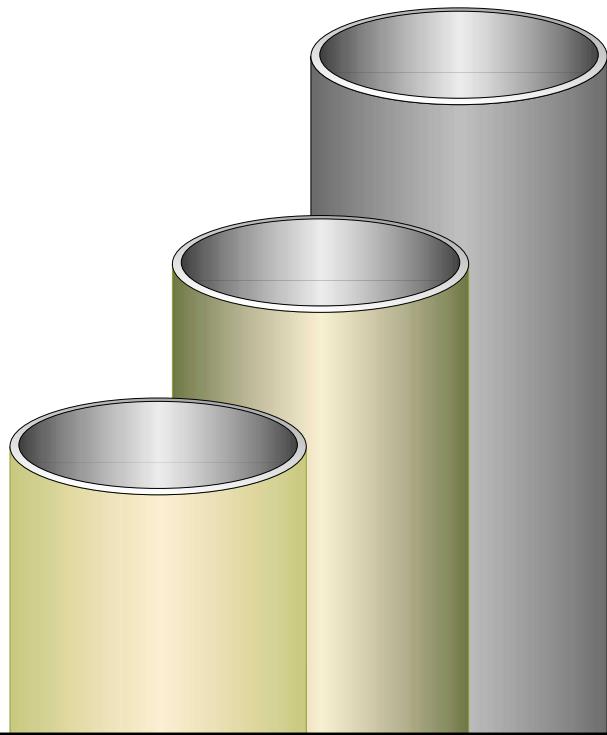
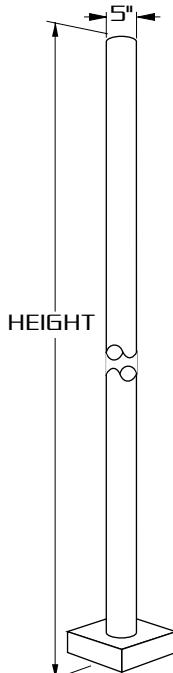
EXTRUDED ALUMINUM ARM AND
CAST ALUMINUM WALL BRACKET
ASSEMBLY PROVIDED WITH BUILT IN
GASKETED WIRE ACCESS FOR
FIXTURE/SUPPLY WIRE CONNECTION.

WALL PLATE



RVL18 E.P.A.=1.05
Available in:
80, 64 & 48 LED Module

O R D E R I N G I N F O R M A T I O N																																						
LUMINAIRE	OPTICS	# of LED's	COLOR	VOLTAGE	MOUNTING	FINISH	OPTIONS																															
LUMINAIRE	VLED® IES DISTRIBUTION TYPE <ul style="list-style-type: none"> <input type="checkbox"/> RVL25 <input type="checkbox"/> VLED - II ... (Type-II) <input checked="" type="checkbox"/> RVL18 <input type="checkbox"/> VLED - III ... (Type-III) <input type="checkbox"/> VLED - IV ... (Type-IV) <input type="checkbox"/> VLED - VSQ ... (Type-VSQ) 	LED <table border="1"> <thead> <tr> <th>No. LEDs</th> <th>COLOR</th> <th>VOLTAGE</th> </tr> </thead> <tbody> <tr> <td>RVL25</td> <td><input type="checkbox"/> NW (4000K)* * STANDARD</td> <td><input type="checkbox"/> 120</td> </tr> <tr> <td><input type="checkbox"/> 120LED (132 Watts)</td> <td><input type="checkbox"/> CW (5000K)</td> <td><input type="checkbox"/> 208</td> </tr> <tr> <td><input type="checkbox"/> 100LED (110 Watts)</td> <td><input type="checkbox"/> WW (3000K)</td> <td><input type="checkbox"/> 240</td> </tr> <tr> <td><input type="checkbox"/> 80LED (89 Watts)</td> <td>OTHER LED COLORS AVAILABLE CONSULT FACTORY</td> <td><input type="checkbox"/> 277</td> </tr> <tr> <td><input type="checkbox"/> 64LED (72 Watts)</td> <td></td> <td><input type="checkbox"/> 347</td> </tr> <tr> <td></td> <td></td> <td><input type="checkbox"/> 480</td> </tr> <tr> <td>RVL18</td> <td></td> <td>350 MA</td> </tr> <tr> <td><input type="checkbox"/> 80LED (89 Watts)</td> <td></td> <td></td> </tr> <tr> <td><input type="checkbox"/> 64LED (72 Watts)</td> <td></td> <td></td> </tr> <tr> <td><input type="checkbox"/> 48LED (53 Watts)</td> <td></td> <td></td> </tr> </tbody> </table> <p>Wattages are Max Input Watts</p>	No. LEDs	COLOR	VOLTAGE	RVL25	<input type="checkbox"/> NW (4000K)* * STANDARD	<input type="checkbox"/> 120	<input type="checkbox"/> 120LED (132 Watts)	<input type="checkbox"/> CW (5000K)	<input type="checkbox"/> 208	<input type="checkbox"/> 100LED (110 Watts)	<input type="checkbox"/> WW (3000K)	<input type="checkbox"/> 240	<input type="checkbox"/> 80LED (89 Watts)	OTHER LED COLORS AVAILABLE CONSULT FACTORY	<input type="checkbox"/> 277	<input type="checkbox"/> 64LED (72 Watts)		<input type="checkbox"/> 347			<input type="checkbox"/> 480	RVL18		350 MA	<input type="checkbox"/> 80LED (89 Watts)			<input type="checkbox"/> 64LED (72 Watts)			<input type="checkbox"/> 48LED (53 Watts)			Mounting <ul style="list-style-type: none"> <input type="checkbox"/> ARM MOUNT <input type="checkbox"/> 1 ● STREET LIGHTING ARM MOUNT <input type="checkbox"/> ST23. ● (TO FIT OVER 2 3/8" O.D. ARM) <input type="checkbox"/> ADJUSTABLE KNUCKLE <input type="checkbox"/> NKLE23 ● (TO FIT OVER 2 3/8" O.D.) <input type="checkbox"/> NKLE27 ● (TO FIT OVER 2 7/8" O.D.) <input type="checkbox"/> WALL MOUNT <input type="checkbox"/> WM ● 	Standard Textured Finish <ul style="list-style-type: none"> <input type="checkbox"/> BLACK RAL-9005-T <input type="checkbox"/> WHITE RAL-9003-T <input type="checkbox"/> GREY RAL-7004-T <input type="checkbox"/> DARK BRONZE RAL-8019-T <input type="checkbox"/> GREEN RAL-6005-T <p>FOR SMOOTH FINISH REMOVE SUFFIX "T" (EXAMPLE: RAL-9500)</p> <p>SEE USALTG.COM FOR ADDITIONAL COLORS</p>	<ul style="list-style-type: none"> <input type="checkbox"/> INTERNAL HOUSE SIDE SHIELDS... HS <input type="checkbox"/> EXTERNAL HOUSE SIDE SHIELD... EHS <input type="checkbox"/> DIMMABLE DRIVER(S) (0-10V)..... DIM <input type="checkbox"/> HIGH-LOW DIMMING FOR HARDWIRED SWITCHING OR NON-INTEGRATED MOTION SENSOR..... HLSW <input type="checkbox"/> PHOTO CELL + VOLTAGE (EXAMPLE: PC120V) ... PC+V <input type="checkbox"/> TWIST LOCK PHOTOCELL +VOLTAGE TPC+V <input type="checkbox"/> TWIST LOCK PHOTOCELL RECEPTACLE ONLY ... TPR <input type="checkbox"/> 10KV SURGE PROTECTOR..... 10SP <input type="checkbox"/> 20KV SURGE PROTECTOR (277V & 480V Only) 20SP
No. LEDs	COLOR	VOLTAGE																																				
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5" ROUND STRAIGHT ALUMINUM

SPECIFICATIONS

SHAFT: 5" DIAMETER, EXTRUDED FROM 6063 ALLOY ALUMINUM TUBING, HEAT TREATED TO PRODUCE A T6 TEMPER. SHAFT INCLUDES A PERIPHERALLY REINFORCED HAND HOLE FURNISHED WITH COVER. SHAFT IS FURNISHED WITH GROUND LUG LOCATED ON CAST ALUMINUM BASE PLATE.

BASE PLATE: CAST ALUMINUM CONSTRUCTED OF A-356 ALUMINUM ALLOY HEAT TREATED TO PRODUCE A T6 TEMPER. STRUCTURALLY ENGINEERED BASE INCLUDES EIGHT HEAVY WALL REINFORCING VERTICAL GUSSETS. BASE TELESCOPES AND IS CIRCUMFERENTIALLY WELDED TO SHAFT AT BOTH THE OUTSIDE TOP AND INSIDE BOTTOM OF THE BASE.

ANCHORAGE: (4) ANCHOR BOLTS FABRICATED FROM HOT ROLLED STEEL BAR. MINIMUM YIELD STRENGTH OF 50,000 P.S.I. BOLTS HAVE "L" BEND ON ONE END AND ARE THREADED ON THE OTHER END. BOLTS ARE FULLY GALVANIZED AND ARE FURNISHED WITH TWO NUTS AND TWO WASHERS.

BASE COVER: FABRICATED FROM HEAVY WALL ALUMINUM CONSTRUCTION. TWO PIECE COVER ENTIRELY CONCEALS BASE.

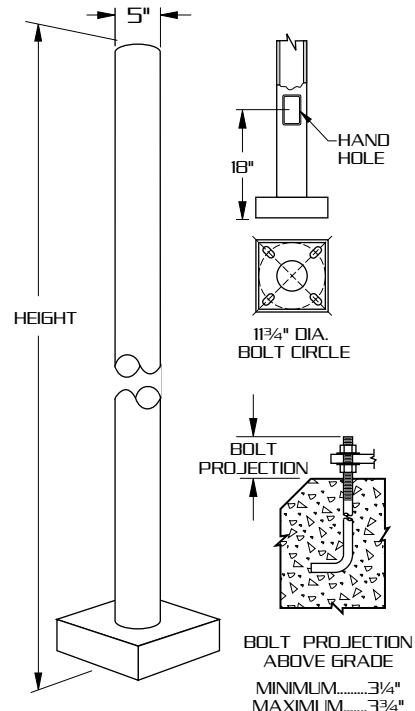
FINISH: POLYESTER POWDER COAT-STATE OF THE ART 20 PSI PRESSURE POWER WASH AT 140° TEMPERATURE INCORPORATES FOUR STEP IRON PHOSPHATE PROCESS TO CLEANSE AND PRETREAT THE METAL SURFACE FOR MAXIMUM PAINT ADHESION. ELECTROSTATICALLY APPLIED TEXTURED POLYESTER POWDER TOPCOAT IS BAKED AT 400° TEMPERATURE FOR MAXIMUM HARDNESS AND EXTERIOR DURABILITY.

RNTA SERIES

ENGINEERING DATA

Maximum EPA - Square Feet

Catalog Number	Maximum Fixt. wgt.	100 MPH	90 MPH	80 MPH	70 MPH
RNTA 105-125	175	8.7	10.8	13.9	18.8
RNTA 125-125	175	6.8	8.3	10.6	14.6
RNTA 145-125	175	4.4	5.5	7.1	9.9
RNTA 145-188	250	8.3	10.3	13.4	18.1
RNTA 165-125	100	3.2	4.0	5.2	7.3
RNTA 165-188	200	5.4	6.6	8.5	11.7
RNTA 185-125	100	2.2	2.9	3.8	5.6
RNTA 185-188	200	4.1	5.2	6.7	9.5
RNTA 205-188	200	3.1	4.0	5.2	7.6



All above design calculations are based on sustained wind forces
plus additional 1.3 wind gust

(Example: Pole rated at 80 MPH withstands 104 MPH gusts)

ORDERING INFORMATION

MODEL NO.: RNTA	POLES	MOUNTING	FINISH	OPTIONS																																																						
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R N T A	<table border="1"> <thead> <tr> <th>POLE HEIGHT</th> <th>WALL THICKNESS</th> <th>BOLT CIRCLE</th> <th>ANCHORAGE</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/> 105-125</td> <td>10'</td> <td>.125</td> <td>11 1/4"</td> <td>3/4"X24"X3"</td> </tr> <tr> <td><input type="checkbox"/> 125-125</td> <td>12'</td> <td>.125</td> <td>11 1/4"</td> <td>3/4"X24"X3"</td> </tr> <tr> <td><input type="checkbox"/> 145-125</td> <td>14'</td> <td>.125</td> <td>11 1/4"</td> <td>3/4"X24"X3"</td> </tr> <tr> <td><input type="checkbox"/> 145-188</td> <td>14'</td> <td>.188</td> <td>11 1/4"</td> <td>3/4"X24"X3"</td> </tr> <tr> <td><input type="checkbox"/> 165-125</td> <td>16'</td> <td>.125</td> <td>11 1/4"</td> <td>3/4"X24"X3"</td> </tr> <tr> <td><input type="checkbox"/> 165-188</td> <td>16'</td> <td>.188</td> <td>11 1/4"</td> <td>3/4"X24"X3"</td> </tr> <tr> <td><input type="checkbox"/> 185-125</td> <td>18'</td> <td>.125</td> <td>11 1/4"</td> <td>3/4"X24"X3"</td> </tr> <tr> <td><input type="checkbox"/> 185-188</td> <td>18'</td> <td>.188</td> <td>11 1/4"</td> <td>3/4"X24"X3"</td> </tr> <tr> <td><input type="checkbox"/> 205-188</td> <td>20'</td> <td>.188</td> <td>11 1/4"</td> <td>3/4"X24"X3"</td> </tr> <tr> <td colspan="5"><input type="checkbox"/> OTHER HEIGHTS SPECIFY_____</td> </tr> </tbody></table>	POLE HEIGHT	WALL THICKNESS	BOLT CIRCLE	ANCHORAGE	<input type="checkbox"/> 105-125	10'	.125	11 1/4"	3/4"X24"X3"	<input type="checkbox"/> 125-125	12'	.125	11 1/4"	3/4"X24"X3"	<input type="checkbox"/> 145-125	14'	.125	11 1/4"	3/4"X24"X3"	<input type="checkbox"/> 145-188	14'	.188	11 1/4"	3/4"X24"X3"	<input type="checkbox"/> 165-125	16'	.125	11 1/4"	3/4"X24"X3"	<input type="checkbox"/> 165-188	16'	.188	11 1/4"	3/4"X24"X3"	<input type="checkbox"/> 185-125	18'	.125	11 1/4"	3/4"X24"X3"	<input type="checkbox"/> 185-188	18'	.188	11 1/4"	3/4"X24"X3"	<input type="checkbox"/> 205-188	20'	.188	11 1/4"	3/4"X24"X3"	<input type="checkbox"/> OTHER HEIGHTS SPECIFY_____					<input type="checkbox"/> 2 3/8"X4" TENON PT23 <input type="checkbox"/> 2 7/8"X4" TENON PT27 <input type="checkbox"/> OTHER TENON MT _____ DRILL MOUNT <input type="checkbox"/> 1..... <input type="checkbox"/> 2-180.. <input type="checkbox"/> 2-90.... 2-90, 3-90, 4-90 REQUIRES PT27 AND T490 ADAPTER	STANDARD TEXTURED FINISH <input type="checkbox"/> BLACK RAL-9005-T <input type="checkbox"/> WHITE RAL-9003-T <input type="checkbox"/> GREY RAL-7004-T <input type="checkbox"/> DRK BRONZE RAL-8019-T <input type="checkbox"/> GREEN RAL-6005-T OPTION: <input type="checkbox"/> BRONZE ANODIZED AZ313 <input type="checkbox"/> NATURAL ANODIZED AZ <input type="checkbox"/> BLACK ANODIZED AZBK FOR SMOOTH FINISH REMOVE SUFFIX "T" (EXAMPLE: RAL-9500) SEE WEBSITE FOR ADDITIONAL COLORS	<input type="checkbox"/> DUPLEX RECEPTACLE DUP <input type="checkbox"/> GFI RECEPTACLE GFI <input type="checkbox"/> 3 WAY ADAPTER T3120 <input type="checkbox"/> 4 WAY ADAPTER T490 <input type="checkbox"/> ROUND BASE COVER RBC <input type="checkbox"/> 1/2" COUPLING CPLN1/2 <input type="checkbox"/> 3/4" COUPLING CPLN3/4 <input type="checkbox"/> 2" COUPLING CPLN2 (SPECIFY COUPLING LOCATION)
POLE HEIGHT	WALL THICKNESS	BOLT CIRCLE	ANCHORAGE																																																							
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SOLID STATE AREA LIGHTING

RVL SERIES-LED SPECIFICATIONS

HOUSING

Heavy wall aluminum construction with integral domed top. Twin flutes have been formed into housing to add aesthetic value and to provide for multicolored bands to signaturize installation

ARM

3"X5"X6" long heavy wall extruded aluminum. Arm is secured to housing and to pole with stainless steel rods.

VLED® OPTICAL MODULE

Low copper A356 alloy (<.2% copper) cast aluminum housing. Integrated clear tempered 3/16" glass lens sealed with a continuous silicone gasket protects emitters (LED's) and emitter Reflector-Prism optics, and seals the module from water intrusion and environmental contaminants. LED's are available in standard Neutral White (4000K), or optional Cool White (5000K) or Warm White (3000K). Each emitter is optically controlled by a Reflector-Prism injection molded from H12 acrylic (3 types per module; one from 0° - 50°; one from 50° - 65°; one from 65° - 72°). Each Reflector-Prism has indexing pins for aiming and is secured to an optical plate made of matte black anodized aluminum. The optical plate locates every Reflector-Prism over an emitter. Reflector-Prisms are secured to the optical plate with a UV curing adhesive. The Reflector-Prisms are arrayed to produce IES Type II, III, IV, and V-SQ Distributions. The entire Optical Module is field rotatable in 90° increments. Both module and drivers are factory wired using water resistant, insulated cord. Lens, module and drivers are field replaceable.

LED EMITTERS

High Output LED's are driven at 350mA for nominal 1 Watt output each. LED's are available in standard Neutral White (4000K), or optional Cool White (5000K) or Warm White (3000K). Consult Factory for other LED options.

LED DRIVER

UL and CUL recognized High Power Factor, Constant Current LED drivers operate on input voltages from 120-277VAC, 50/60hz. Consult Factory for 347-480VAC. Driver is mechanically fastened to a retaining bracket. Main power quick disconnect provided. Driver has a minimum 4KV of internal surge protection, 10KV & 20KV Surge Protector optional. Dimming and High-Low Driver options available.

FINISH

Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability. Texture finish is standard.

PROJECT NAME:

Fixture Type:

THE POINT @ FALL CREEK

TYPE: R2

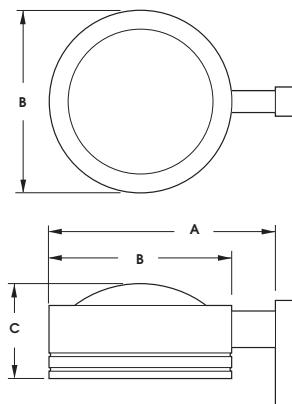
MFG: US ARCHITECTURAL

#RVL18-LED-III-64LED-
NW-350MA-120-XX W/ HOUSE
SIDE SHIELD



RVL

PATENT PENDING



Fixture	A	B	C
RVL18	24" 610mm	18" 457mm	11" 279mm
RVL25	31" 787mm	25" 635mm	13" 330mm

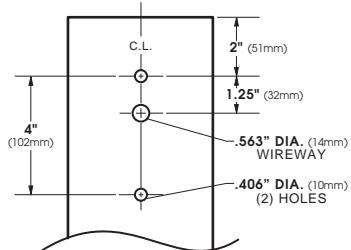


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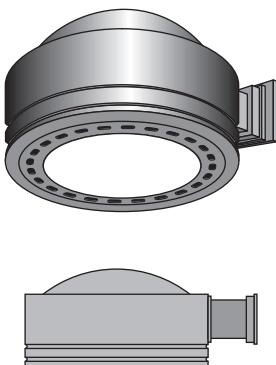
RVL SERIES - LED

S P E C I F I C A T I O N S

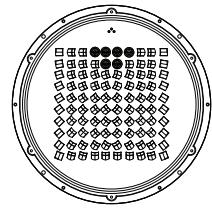
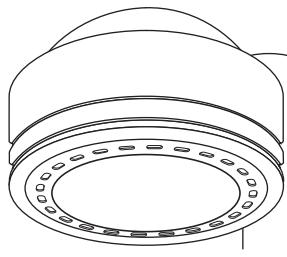
POLE DRILLING TEMPLATE



WALL MOUNT



VLED® MODULES



RVL25 E.P.A.=1.65
Available in:
120, 100, 80 & 64 LED Module

OVERVIEW

PRECISE CAST ALUMINUM LED MODULE.
HOUSING IS VENTED TO PROVIDE AIR FLOW
FOR THERMAL MANAGEMENT.

SELF CONTAINED, LENSED LED MODULE.

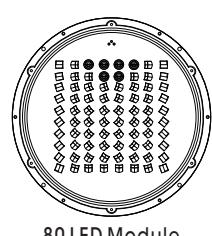
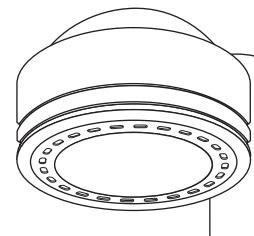
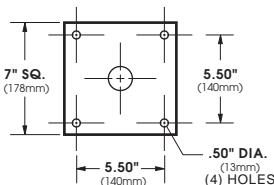
PROPRIETARY LED OPTICS SEALED IN LED
MODULE.

LUXEON® REBEL LED EMITTERS.

LED DRIVER ACCEPTS FROM 100-277 VAC
INPUT VOLTAGE.

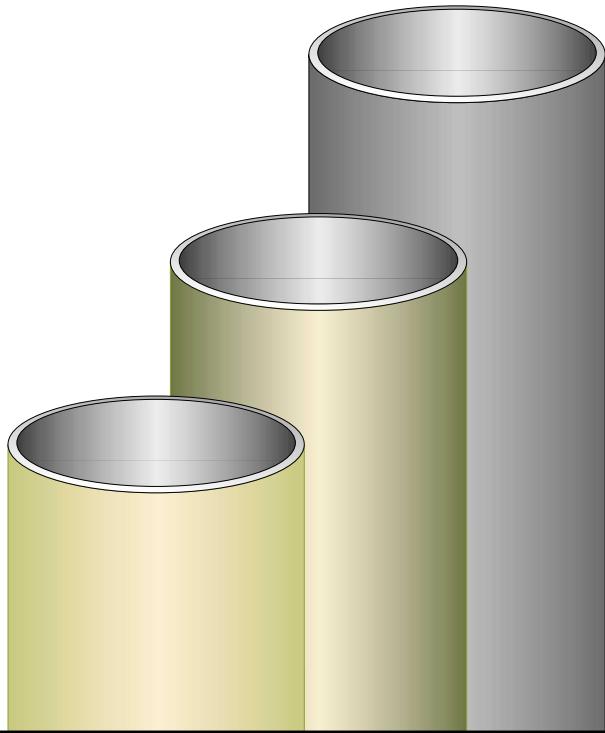
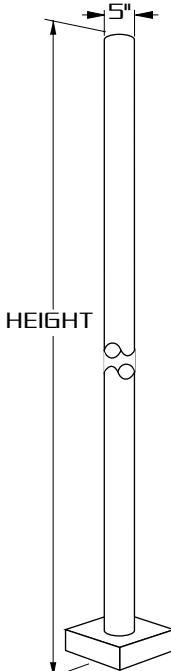
EXTRUDED ALUMINUM ARM AND
CAST ALUMINUM WALL BRACKET
ASSEMBLY PROVIDED WITH BUILT IN
GASKETED WIRE ACCESS FOR
FIXTURE/SUPPLY WIRE CONNECTION.

WALL PLATE



RVL18 E.P.A.=1.05
Available in:
80, 64 & 48 LED Module

O R D E R I N G I N F O R M A T I O N																										
LUMINAIRE	OPTICS	# of LED's	COLOR	VOLTAGE	MOUNTING	FINISH	OPTIONS																			
LUMINAIRE	VLED® IES DISTRIBUTION TYPE <ul style="list-style-type: none"> <input type="checkbox"/> RVL25 <input type="checkbox"/> VLED - II (Type-II) <input checked="" type="checkbox"/> RVL18 <input type="checkbox"/> VLED - III (Type-III) <input type="checkbox"/> VLED - IV (Type-IV) <input type="checkbox"/> VLED - VSQ (Type-VSQ) 	LED <table border="1"> <thead> <tr> <th>No. LEDs</th> <th>COLOR</th> <th>VOLTAGE</th> </tr> </thead> <tbody> <tr> <td>RVL25</td> <td><input type="checkbox"/> NW (4000K)* * STANDARD</td> <td><input type="checkbox"/> 120</td> </tr> <tr> <td><input type="checkbox"/> 120LED (132 Watts)</td> <td><input type="checkbox"/> CW (5000K)</td> <td><input type="checkbox"/> 208</td> </tr> <tr> <td><input type="checkbox"/> 100LED (110 Watts)</td> <td><input type="checkbox"/> WW (3000K)</td> <td><input type="checkbox"/> 240</td> </tr> <tr> <td><input type="checkbox"/> 80LED (89 Watts)</td> <td>OTHER LED COLORS AVAILABLE CONSULT FACTORY</td> <td><input type="checkbox"/> 277</td> </tr> <tr> <td><input type="checkbox"/> 64LED (72 Watts)</td> <td></td> <td><input type="checkbox"/> 347</td> </tr> <tr> <td></td> <td></td> <td><input type="checkbox"/> 480</td> </tr> </tbody> </table> RVL18 <ul style="list-style-type: none"> <input type="checkbox"/> 80LED (89 Watts) <input type="checkbox"/> 64LED (72 Watts) <input type="checkbox"/> 48LED (53 Watts) <p>350 MA</p> <p>Wattages are Max Input Watts</p>	No. LEDs	COLOR	VOLTAGE	RVL25	<input type="checkbox"/> NW (4000K)* * STANDARD	<input type="checkbox"/> 120	<input type="checkbox"/> 120LED (132 Watts)	<input type="checkbox"/> CW (5000K)	<input type="checkbox"/> 208	<input type="checkbox"/> 100LED (110 Watts)	<input type="checkbox"/> WW (3000K)	<input type="checkbox"/> 240	<input type="checkbox"/> 80LED (89 Watts)	OTHER LED COLORS AVAILABLE CONSULT FACTORY	<input type="checkbox"/> 277	<input type="checkbox"/> 64LED (72 Watts)		<input type="checkbox"/> 347			<input type="checkbox"/> 480	ARM MOUNT <ul style="list-style-type: none"> <input type="checkbox"/> 1 ● <input type="checkbox"/> STREET LIGHTING ARM MOUNT <input type="checkbox"/> ST23 ● (TO FIT OVER 2 3/8" O.D. ARM) ADJUSTABLE KNUCKLE <ul style="list-style-type: none"> <input type="checkbox"/> NKLE23 ● (TO FIT OVER 2 3/8" O.D.) <input type="checkbox"/> NKLE27 ● (TO FIT OVER 2 7/8" O.D.) WALL MOUNT <ul style="list-style-type: none"> <input type="checkbox"/> WM ● 	STANDARD TEXTURED FINISH <ul style="list-style-type: none"> <input type="checkbox"/> BLACK RAL-9005-T <input type="checkbox"/> WHITE RAL-9003-T <input type="checkbox"/> GREY RAL-7004-T <input type="checkbox"/> DARK BRONZE RAL-8019-T <input type="checkbox"/> GREEN RAL-6005-T <p>FOR SMOOTH FINISH REMOVE SUFFIX "T" (EXAMPLE: RAL-9500)</p> <p>SEE USALTG.COM FOR ADDITIONAL COLORS</p>	<ul style="list-style-type: none"> <input type="checkbox"/> INTERNAL HOUSE SIDE SHIELDS... HS <input type="checkbox"/> EXTERNAL HOUSE SIDE SHIELD... EHS <input type="checkbox"/> DIMMABLE DRIVER(S) (0-10V) DIM <input type="checkbox"/> HIGH-LOW DIMMING FOR HARDWIRED SWITCHING OR NON-INTEGRATED MOTION SENSOR HLSW <input type="checkbox"/> PHOTO CELL + VOLTAGE (EXAMPLE: PC120V) ... PC+V <input type="checkbox"/> TWIST LOCK PHOTOCELL + VOLTAGE TPC+V <input type="checkbox"/> TWIST LOCK PHOTOCELL RECEPTACLE ONLY ... TPR <input type="checkbox"/> 10KV SURGE PROTECTOR 10SP <input type="checkbox"/> 20KV SURGE PROTECTOR (277V & 480V Only) 20SP
No. LEDs	COLOR	VOLTAGE																								
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		<input type="checkbox"/> 480																								



5" ROUND STRAIGHT ALUMINUM

SPECIFICATIONS

SHAFT: 5" DIAMETER, EXTRUDED FROM 6063 ALLOY ALUMINUM TUBING, HEAT TREATED TO PRODUCE A T6 TEMPER. SHAFT INCLUDES A PERIPHERALLY REINFORCED HAND HOLE FURNISHED WITH COVER. SHAFT IS FURNISHED WITH GROUND LUG LOCATED ON CAST ALUMINUM BASE PLATE.

BASE PLATE: CAST ALUMINUM CONSTRUCTED OF A-356 ALUMINUM ALLOY HEAT TREATED TO PRODUCE A T6 TEMPER. STRUCTURALLY ENGINEERED BASE INCLUDES EIGHT HEAVY WALL REINFORCING VERTICAL GUSSETS. BASE TELESCOPES AND IS CIRCUMFERENTIALLY WELDED TO SHAFT AT BOTH THE OUTSIDE TOP AND INSIDE BOTTOM OF THE BASE.

ANCHORAGE: (4) ANCHOR BOLTS FABRICATED FROM HOT ROLLED STEEL BAR. MINIMUM YIELD STRENGTH OF 50,000 P.S.I. BOLTS HAVE "L" BEND ON ONE END AND ARE THREADED ON THE OTHER END. BOLTS ARE FULLY GALVANIZED AND ARE FURNISHED WITH TWO NUTS AND TWO WASHERS.

BASE COVER: FABRICATED FROM HEAVY WALL ALUMINUM CONSTRUCTION. TWO PIECE COVER ENTIRELY CONCEALS BASE.

FINISH: POLYESTER POWDER COAT-STATE OF THE ART 20 PSI PRESSURE POWER WASH AT 140° TEMPERATURE INCORPORATES FOUR STEP IRON PHOSPHATE PROCESS TO CLEANSE AND PRETREAT THE METAL SURFACE FOR MAXIMUM PAINT ADHESION. ELECTROSTATICALLY APPLIED TEXTURED POLYESTER POWDER TOPCOAT IS BAKED AT 400° TEMPERATURE FOR MAXIMUM HARDNESS AND EXTERIOR DURABILITY.

RNTA SERIES

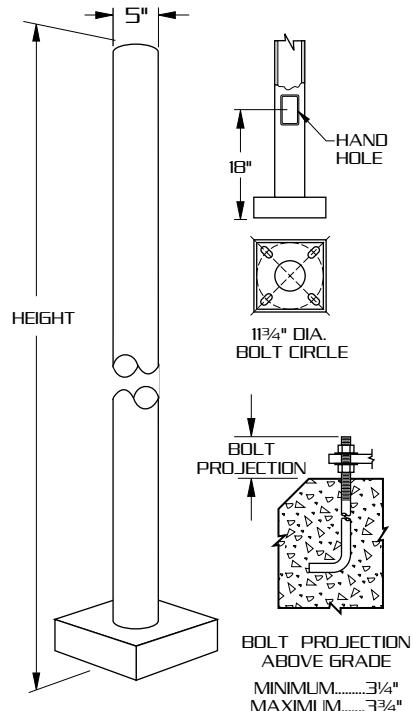
ENGINEERING DATA

Maximum EPA - Square Feet

Catalog Number	Maximum Fixt. wgt.	100 MPH	90 MPH	80 MPH	70 MPH
RNTA 105-125	175	8.7	10.8	13.9	18.8
RNTA 125-125	175	6.8	8.3	10.6	14.6
RNTA 145-125	175	4.4	5.5	7.1	9.9
RNTA 145-188	250	8.3	10.3	13.4	18.1
RNTA 165-125	100	3.2	4.0	5.2	7.3
RNTA 165-188	200	5.4	6.6	8.5	11.7
RNTA 185-125	100	2.2	2.9	3.8	5.6
RNTA 185-188	200	4.1	5.2	6.7	9.5
RNTA 205-188	200	3.1	4.0	5.2	7.6

All above design calculations are based on sustained wind forces
plus additional 1.3 wind gust

(Example: Pole rated at 80 MPH withstands 104 MPH gusts)



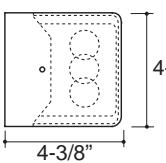
ORDERING INFORMATION

MODEL NO.: RNTA	POLES	MOUNTING	FINISH	OPTIONS																																																						
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POLE HEIGHT	WALL THICKNESS	BOLT CIRCLE	ANCHORAGE																																																							
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		DRILL MOUNT <input type="checkbox"/> 1..... <input type="checkbox"/> 2-180.. <input type="checkbox"/> 2-90.... 	<input type="checkbox"/> 3-90... <input type="checkbox"/> 4-90... <input type="checkbox"/> 3-120...																																																							
		<small>2-90, 3-90, 4-90 REQUIRES PT27 AND T490 ADAPTER</small>	<small>3-120 REQUIRES PT27 AND T3120 ADAPTER</small>																																																							

N U L I T ™



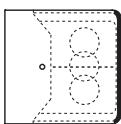
DWM



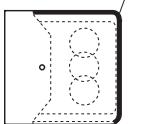
DWT



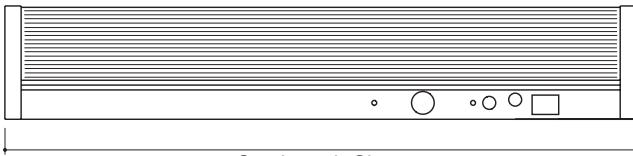
DWF



DW23



Side View



See Length Chart

Length	Wattage
24-1/4"	14T5, 24T5HO, 17T8
36-1/4"	21T5, 39T5HO, 25T8
48-1/4"	28T5, 54T5HO, 32T8

Ordering Information

Sample: DWF-132T8-120-HEISN-WH-ASW

Series	Lamp	Wattage	Voltage	Ballast	Color	Options
DWM (No Shielding)	1	14T5	UNV	T8 Options IS (Standard) PS (Standard)	Ballast Factor N Normal (Standard) L Low H High	WH White (Standard) ASW Acrylic Smooth White Lens
DWT (Top Shield)	2	24T5HO 17T8	120 277	HEIS HEPS	CH ⁵ Chrome	EM ² Emergency Battery Pack TS Turn Switch (120V Only) PS Pull Switch (120V Only)
DWF (Front Shield)		21T5	347 ¹	T5/T5HO PS (Standard) HEPS ¹	N Normal (1.0)	NL Night Light CR Continuous Row GLR Fusing CO Convenience Outlet (120V Only)
DW23 (Top & Front Shield)		39T5HO 25T8 28T5 54T5HO 32T8		All Lamp Dimming Options DIM ¹ Dimming SD ¹ Step Dimming IS=Instant Start PS=Program Start HEIS=High Efficiency Instant Start HEPS=High Efficiency Program Start		4PS ³ 4-Way Switch (120V Only) Must be ordered with 2BL option. 2BL ⁴ Dual Level Independent Switching QW Quick Through Wiring for Continuous Row Applications

Notes:

1. Consult factory.
2. Specific voltage must be ordered for this option. Consult factory for nominal 2' units.
3. Available for 2 lamp cross-section only for series DWF.
4. Center divider when ordered with dual level independent switching option.
5. Housing channel is white. End caps and baffle shields are switching from chrome to bright anodized aluminum.

Specifications and dimensions are subject to change without notification. Specification sheets on our website supersede all other versions. Nulite reserves the right to bulk package any order.

THE POINT @ FALL CREEK

TYPE: T

MFG: NULITE

DWM-232T8-UNV-PSN-WH-ASW

Catalog #:

Description:

The Nulite DW series is a decorative linear fluorescent luminaire with optional top, front or top & front shields for multiple light distributions. Wall or ceiling mounted individually or continuously.

Specifications:

Construction: Die formed cold rolled steel housing and end caps finished with white enamel paint.

Diffuser: Acrylic prismatic lens. Optional smooth white acrylic lens.

Reflector / Ballast: Ballast cover is finished with high reflectance white powder coat paint. Standard electronic, Class P, ballast. Universal (UNV) voltage ballast is from 120 to 277V.

Lamping: 1 or 2 lamp cross-section in nominal 2', 3', or 4' lengths. Luminaire can be ordered with lamps, consult factory.

Mounting: Wall, individually or continuous rows.

Labels: UL / cUL listed. Damp location is optional.



ARCHITECTURAL QUARTER SPOTLIGHT, FULL CUT-OFF WALL PACK

THE POINT @ FALL CREEK
 TYPE: W
 MFG: TRACE LITE
 TL112-MH-70-MT

Model Number:

Approvals:

Accessories:

Type:

Job:

PRODUCT SPECIFICATIONS**CONSTRUCTION**

The Trace-lite TL112 Series features a durable, die-cast aluminum enclosure with an architectural bronze powder coated finish. Enclosure is fully sealed and gasketed, and is Wet Location Listed for outdoor use. Enclosure and hardware are corrosion resistant. The TL112 features an internal, anodized aluminum reflector which provides ideal light distribution, and the lamp(s) are protected by a high-impact, heat resistant tempered glass lens.

LAMPS & BALLASTS

High Pressure Sodium: B17 type lamps from 35 to 150 watts, utilizing a medium base, glazed porcelain socket pulse rated for 4KV with either a R-NPF or HX-HPF type ballast rated for a minimum operating temperature of -30°C (-22°F) and 120VAC, Double-tap (120/277VAC), Multi-tap (120/208/240/277VAC) or 480VAC input.

Metal Halide: BD17 type lamps from 50 to 100 watts, utilizing a medium base, glazed porcelain socket pulse rated for 4KV with an HX-HPF ballast rated for a minimum operating temperature of -30°C (-22°F) and Double-tap (120/277VAC), Multi-tap (120/208/240/277VAC) or 480VAC input.

Pulse Start Metal Halide: BD17 type lamps from 150 watts, utilizing a medium base, glazed porcelain socket pulse rated for 4KV with a CWA ballast rated for a minimum operating temperature of -30°C (-22°F) and Multi-tap (120/208/240/277VAC) or 480VAC input.

INSTALLATION

The Trace-lite TL112 Series is ideal for mounting to any vertical surface and features a rugged, die-cast aluminum mounting plate. Can be wired to a 4" junction box. Can be mounted in Up-light configuration in Damp Locations ONLY.



The Trace-lite TL112 Series is ideal for parking areas, entrances, walkways, underpasses, loading docks, tunnels, and recreation areas. Available with Metal Halide, Pulse Start Metal Halide or High Pressure Sodium lamps for any application.

WARRANTY

Any housing component that fails due to manufacturer's defect is guaranteed for two years from time of shipment. Ballasts, Capacitors, and Ignitors are warrantied for one year from time of shipment. Warranty does not apply to damages caused by improper installation, abuse, fire or acts of God. Lamp is not covered by manufacturer's warranty.

**ORDERING INFORMATION**

TL112	PSMH	150	MT	DZ208	PC2
SERIES	LAMP	WATTS	VOLTS	OPTIONS (Factory Installed)	ACCESSORIES ⁶ (Field Installed)
TL112			120 ¹ = 120V DT ² = 120/277V MT ³ = 120/208/240/277V 480 ⁴ = 480V		PC1 = 120V Photocontrol PC2 = 208-277V Photocontrol

MH = Metal Halide
 PSMH = Pulse Start Metal Halide
 HPS = High Pressure Sodium

Metal Halide
 50 = 50W
70 = 70W
 100 = 100W

Pulse Start Metal Halide
 150 = 150W

High Pressure Sodium
 35 = 35W
 50 = 50W
 70 = 70W
 100 = 100W
 150 = 150W

QR150 = 150W Quartz Restrike
 SZXXX⁵ = Single Line Side Fuse (Specify 120 or 277V)
 DZXXX⁵ = Double Line Side Fuse (Specify 208, 240, or 480V)
 FT = Forward Throw Reflector
 USA = Meets Buy America Requirements

¹ HPS Lamps Only

² 50 Watt HPS Lamps Only

³ Not Available on 35-50 Watt HPS

⁴ 100-150 Watt Lamps Only

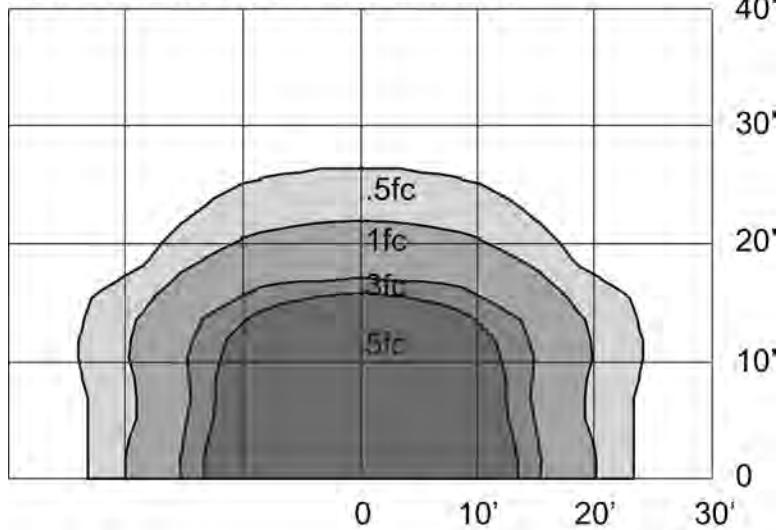
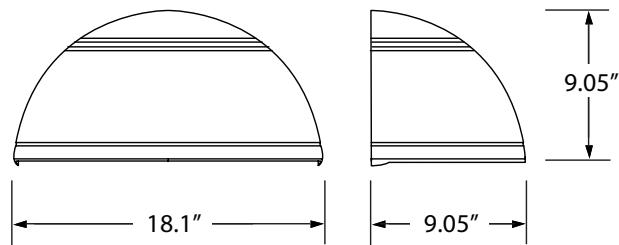
⁵ Specify Voltage

⁶ Order as Separate Line Item

SPECIFICATIONS ARE SUBJECT
TO CHANGE WITHOUT NOTICE

SAMPLE PHOTOMETRICS

TL112-PSMH-150-FT Mounted at 10'

**DIMENSIONS**

Approximate Weight: 13 lbs.

Footcandle Correction

Multiply factors times the footcandle values for changes in lamp type.

<i>Lamps</i>	70W MH	100W MH	150W PSMH	150W HPS
<i>Factor</i>	.41	.69	1.00	1.20

7328



Versatile, sleek styling, ADA compliant with an added flair make this fixture an excellent addition to most any décor.

STANDARD SPECIFICATIONS

HOUSING: Steel, nickel plated or painted finish

DIFFUSER: White acrylic

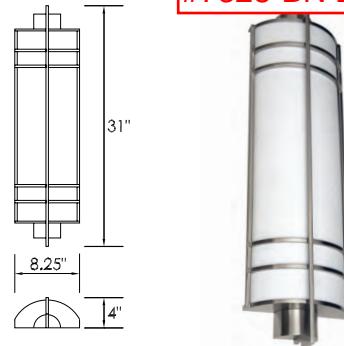
BALLAST: Electronic (120-277V) HPF

LAMP:

- FT CFL, 4-pin 2G11 Base 2700K

- Linear fluorescent (T5)

THE POINT @ FALL
CREEK
TYPE: Z
MFG: BROWNLEE
#7328-BN-214L



ORDERING INFORMATION

7328 - _____ - _____ - _____
Model 2. 3. 4. (if required)

2. FINISH

STANDARD

BN Brushed Nickel

OPTIONAL

AG	Antique Gold
BL	Black
BR	Brick
BZ	Bronze
CB	Crème Brulee
CN	Chestnut
DS	Desert Stone
GD	Gold Dust
GM	Gun Metal
GS	Greystone
IV	Ivy
JO	Jade Onyx
MB	Metallic Bronze
OL	Oak Leaf
PL	Platinum
RB	Rustic Bronze
RC	Rustic Copper
RW	Rosewood
WH	White

CUSTOM

Provide color sample
or RAL code to match

3. WATTAGE

36F	1-36/39W FT CFL, elec. HPF
55F	1-55W FT CFL, elec. HPF

214L	2-14W T5, elec. HPF
224L	2-24W T5HO, elec. HPF

4. OPTIONS & ACCESSORIES

BAC Buy American Compliant

Model Number:

Accessories:

Job:

Type:

Approvals:

FEATURES

- Compact, low profile design
- Easy to install, snap together design
- Rugged, injection-molded UL94 V-0 flame retardant, high-temperature thermoplastic housing
- Remote capabilities (6 volt) up to 27 watts - Sealed lead calcium battery standard with remote option
- Universal style includes 2 face plates, back plate and mounting canopy and can be ceiling, wall or end mounted
- Low voltage disconnect eliminates deep discharge
- Brown-out, short circuit and voltage surge protection
- Overcharge protection
- Maintenance-free NiCad battery
- UL listed 90 minute emergency run time, 24 hour recharge time
- Constant, uniform illumination by long-life, high intensity, red or green LEDs
- Fully-illuminated 6" characters with 3/4" stroke
- Optional Guardian Self-Test/Self-Diagnostics (G2) available
- Chevron-style, universal arrow knockouts
- 120/277V dual primary, 60Hz input
- Standard finishes: Black or white
- Suitable for damp location
- Fixture series may be built to comply with the American Recovery and Reinvestment Act of 2009 (ARRA) requirements and Buy American provisions - call factory for details

WARRANTY

Any component that fails due to manufacturers defect is guaranteed for 5 years with a separate 5 year pro-rated warranty on the battery. The warranty does not cover physical damage, abuse or acts of God. Manufacturer reserves the right to charge for such repairs if deemed necessary.



Attractive and easy to install. The VEX Series combines quality LED illumination with contemporary, soft corner styling to complement any application. Battery packs are completely self-contained and offer expanded wattages for remote lighting requirements.



SPECIFICATIONS ARE SUBJECT
TO CHANGE WITHOUT NOTICE

ORDERING INFORMATION Example: VEX-U-BP-WB-WH-G2

Series	Style	Housing Type	Power Source	Finish	Options (Factory Installed)	Accessories ⁷ (Field Installed)
VEX = Red	U ¹ = Universal	BP = Plastic	LB = AC Only	WH = White	G1 ² = Self-Diagnostics	ER1-KIT = 1' Pendant Mount Kit
GVEX = Green			WB = With Battery	BL = Black	G2 ² = Self-Test/Self-Diagnostics	ER2-KIT = 2' Pendant Mount Kit
					DL ³ = LED Down Light	VEPA = Pendant Adapter
					FL ³ = Flasher	WG-1 = Wire Guard (Back Mount)
					BZ ³ = Audible Alarm	WG-2 = Wire Guard (End Mount)
					FB ³ = Flasher & Audible Alarm	WG-3 = Wire Guard (Ceiling Mount)
					A1 ³ = Fire Alarm Interface w / FL	XG-1 = Poly Guard (Back Mount)
					A2 ³ = Fire Alarm Interface w/ FB	XG-3 = Poly Guard (Ceiling Mount)
					2CI ⁴ = 2 Circuit Input	
					R6 ⁵ = 6 Watts Remote Capacity	
					R12 = 12 Watts Remote Capacity	
					R27 = 27 Watts Remote Capacity	
					220 = 220VAC, 50Hz Input	
					SS ⁶ = Specialty Signs	
					USA = Meets Buy America Requirements	

¹ Universal includes 2nd exit face and backplate

² Not available with any other options

³ Not available on units with remote capacity

⁴ LB only, for use with inverter or generator applications only

⁵ R6 option will power up to (4) CLED remote heads only

⁶ Consult factory for alternate legends and custom configurations, not compatible with remote capable option

⁷ Order as separate line item

CONSTRUCTION

The VEX series is constructed of a precision-molded housing constructed of 5VA flame retardant, corrosion proof, UV stable thermoplastic. N.F.P.A. approved Field-selectable chevrons. Units resist denting, peeling, scratching and corrosion.

Stencil letters are 6" high with 3/4" stroke, with minimum of 100 ft viewing distance rating as required by UL924 standard.

ILLUMINATION

Illumination of the VEX series is achieved with high output, long lasting red or green LEDs. An exclusive color-matched diffuser eliminates hot spots and striations, providing optimal light output. LEDs are a maintenance-free solution, providing up to 100,000 hours of use without failure.

ELECTRICAL

Input

Dual-voltage input 120 or 277VAC @ 60Hz.

Sealed Nickel Cadmium Battery – NiCad (With Battery Only)

Extronix sealed nickel cadmium batteries are maintenance-free with a life expectancy of 15 years. Nickel cadmium batteries offer high discharge rates and continue to perform in a vast temperature range from 0-40 degrees C. NiCad technology provides long lasting, safe and reliable performance by utilizing the jelly-roll design and allows a Ni-Cad cell to deliver a much higher maximum current than an equivalent size alternative battery. As a relatively larger area of the electrode is in contact with the active material in each cell, the internal resistance for an equivalent sized NiCad cell is lower which increases the maximum current that can be delivered.

Emergency

The VEX series exit will operate for a minimum of 90 minutes during a loss of power with a 24 hour maximum recharge time for the battery

Brownout Circuit

The brownout circuit monitors the flow of AC current to the unit and triggers the emergency lighting system once a set reduction of AC power occurs. This dip in the voltage will cause many fixtures to extinguish causing loss of normal lighting even though a total power failure has not occurred.

Low Voltage Disconnect

When the battery's terminal voltage falls below predetermined levels, the low-voltage circuit disconnects the emergency lighting load. The disconnect remains in effect until normal power is restored, preventing deep battery discharge and improving the life of the battery. The disconnect will also automatically reconnect the load circuit once the battery voltage returns to a normal value after charging.

Solid-State Transfer

The unit features a solid-state switching transistor which eliminates damaged contacts or mechanical failures associated with relays. The switching circuit is designed to detect a loss of AC power and automatically energizes the lamps. Upon restoration of the AC voltage, the emergency lamps will switch off and the charger will automatically recharge the battery.

Overload and Short-Circuit Protection

The solid-state overload monitoring system in the DC circuit disconnects the lamp load from the battery should excessive wattage demands be made and automatically resets when the overload or short-circuit is removed. This overload current protective characteristic eliminates the need for fuses or circuit breakers for the DC load.

Test Button

Our easily located test button allows for manual verification of proper operation of the transfer circuit and emergency lamps.

INSTALLATION

Simple snap together universal design allows for faceplate and back plate to be fully interchangeable. Mounting canopy is supplied with all signs and snaps into enclosure with two positive locking tabs.

Damp Location Rated

Damp location rating ensures the fixture is designed to operate safely in outdoor locations that are protected from the direct elements. Damp location rated fixtures may be installed indoors. Products with damp location ratings are not designed to withstand constant or significant moisture or direct contact with water or steam.

Made in the USA (Option: USA)

Many of our products can be produced or transformed to comply with the American Recovery and Reinvestment Act of 2009 (ARRA) requirements and Buy American provisions. These fixtures meet LEVEL 2 compliance when option is requested – please call factory for details with questions.

Guardian Self-Diagnostic (Option: G1)

The Guardian circuit continuously monitors the operating condition of the battery charging circuit and battery supply voltage.

The purpose of this option is to provide visual signaling in response to a fault at the EXIT sign battery and/or battery charger. If a failure is detected, visual status will occur immediately via the CHARGER LED and/or the BATTERY FAULT LED. The LEDs will stay illuminated until the fault is corrected.

Guardian Self-Test/Self-Diagnostics (Option: G2)

The Guardian circuit continuously monitors the operating condition of the AC power, battery supply voltage, emergency lamp continuity and charging circuit.

The purpose of this option is to provide visual signaling in response to a fault at the EXIT sign battery and/or battery charger. If a failure is detected, visual status will occur immediately via the CHARGER LED and/or the BATTERY FAULT LED. The LEDs will stay illuminated until the fault is corrected.

The Guardian circuit also monitors the transfer circuit as well as performing automatic code compliant testing. The Guardian circuit will perform a 30 second discharge and self-test every 28-30 days. A 90 minute discharge and self-test is performed every 6 months.

Flasher (Option: FL)

When normal power is lost and the emergency unit goes into back up power mode, this unit will flash on and off – providing a highly visual signal as to emergency status.

Audible Alarm (Option: BZ)

When normal power is lost and the emergency unit goes into back up power mode, this unit will buzz – providing a highly audible signal as to emergency status.

Flasher & Audible Alarm (Option: FB)

When normal power is lost and the emergency unit goes into back up power mode, this unit will flash on and off while buzzing – providing a highly visual and audible signal as to emergency status.

Fire Alarm Interface (Option: A1 or A2)

Our fire alarm interface option ties into the building's fire alarm system allowing for exits and emergency units to be triggered prior to loss of power.

A1: Fire alarm interface including Flasher option

A2: Fire alarm interface including Buzzer option

Two-Circuit Operation (Option: 2CI)

Two circuit operation features for emergency lighting allows the dual input of power sources for units less battery (AC only).

The purpose of this feature is to provide the compatibility of our emergency units in applications where inverters or alternate back up power sources are utilized.

Remote Capable (Option: R6, R12 or R27)

R6 option provides this unit with up to an additional 6 watts of remote for use with CLED lamp heads.

R12 option provides this unit with up to an additional 12 watts of remote for use with RENEGADE or standard lamp heads.

R27 option provides this unit with up to an additional 27 watts of remote for use with RENEGADE or standard lamp heads.

Custom and Specialty Legends – Optional - (Option: SS)

Exitronix offers a variety of standard specialty signs designed to provide directional or safety information in applications where clear and accurate delivery of information is required.

Examples of specialty legends include:

- "X-RAY IN USE"
- "ON THE AIR"
- Restroom Signage
- "DO NOT ENTER"
- "NO SMOKING"
- "OCCUPIED"
- "AREA OF RESCUE ASSISTANCE" with ADA Symbol on Left or Right

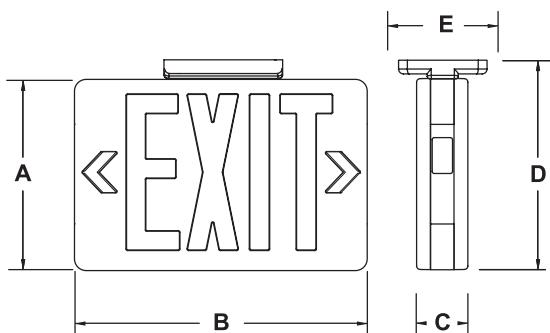
Custom Legends are also available – please call factory for details with questions.

CONFORMANCE TO CODES & STANDARDS

The VEX Series is UL listed and meets or exceeds the following: UL 924, NEC requirements and NFPA 101.

WATTAGE CONSUMPTION

Voltage	Steady State Input Watts	Steady State Max Amps
120	3.6 Watts	0.03 Amps
277	2.77 Watts	0.01 Amps

DIMENSIONS

	A	B	C	D	E
VEX	7.5"	12.75"	1.75"	8.5"	4.8125"
VEX-R6	8"	12"	2"	9"	4.8125"
VEX-R12	10"	13.75"	2.75"	11"	4.8125"
VEX-R27	10"	13.75"	2.75"	11"	4.8125"

Model Number:

Approvals:

Accessories:

Job:

Type:

FEATURES

- Compact, low profile design
- Easy to install, snap together design
- Rugged, injection-molded UL94 V-0 flame retardant, high-temperature thermoplastic housing
- Remote capabilities (6 volt) up to 27 watts - Sealed lead calcium battery standard with remote option
- Universal style includes 2 face plates, back plate and mounting canopy and can be ceiling, wall or end mounted
- Low voltage disconnect eliminates deep discharge
- Brown-out, short circuit and voltage surge protection
- Overcharge protection
- Maintenance-free NiCad battery
- UL listed 90 minute emergency run time, 24 hour recharge time
- Constant, uniform illumination by long-life, high intensity, red or green LEDs
- Fully-illuminated 6" characters with 3/4" stroke
- Optional Guardian Self-Test/Self-Diagnostics (G2) available
- Chevron-style, universal arrow knockouts
- 120/277V dual primary, 60Hz input
- Standard finishes: Black or white
- Suitable for damp location
- Fixture series may be built to comply with the American Recovery and Reinvestment Act of 2009 (ARRA) requirements and Buy American provisions - call factory for details

WARRANTY

Any component that fails due to manufacturers defect is guaranteed for 5 years with a separate 5 year pro-rated warranty on the battery. The warranty does not cover physical damage, abuse or acts of God. Manufacturer reserves the right to charge for such repairs if deemed necessary.



Attractive and easy to install. The VEX Series combines quality LED illumination with contemporary, soft corner styling to complement any application. Battery packs are completely self-contained and offer expanded wattages for remote lighting requirements.



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⁴ LB only, for use with inverter or generator applications only

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⁶ Consult factory for alternate legends and custom configurations, not compatible with remote capable option

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CONSTRUCTION

The VEX series is constructed of a precision-molded housing constructed of 5VA flame retardant, corrosion proof, UV stable thermoplastic. N.F.P.A. approved Field-selectable chevrons. Units resist denting, peeling, scratching and corrosion.

Stencil letters are 6" high with 3/4" stroke, with minimum of 100 ft viewing distance rating as required by UL924 standard.

ILLUMINATION

Illumination of the VEX series is achieved with high output, long lasting red or green LEDs. An exclusive color-matched diffuser eliminates hot spots and striations, providing optimal light output. LEDs are a maintenance-free solution, providing up to 100,000 hours of use without failure.

ELECTRICAL

Input

Dual-voltage input 120 or 277VAC @ 60Hz.

Sealed Nickel Cadmium Battery – NiCad (With Battery Only)

Extronix sealed nickel cadmium batteries are maintenance-free with a life expectancy of 15 years. Nickel cadmium batteries offer high discharge rates and continue to perform in a vast temperature range from 0-40 degrees C. NiCad technology provides long lasting, safe and reliable performance by utilizing the jelly-roll design and allows a Ni-Cad cell to deliver a much higher maximum current than an equivalent size alternative battery. As a relatively larger area of the electrode is in contact with the active material in each cell, the internal resistance for an equivalent sized NiCad cell is lower which increases the maximum current that can be delivered.

Emergency

The VEX series exit will operate for a minimum of 90 minutes during a loss of power with a 24 hour maximum recharge time for the battery

Brownout Circuit

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Low Voltage Disconnect

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The unit features a solid-state switching transistor which eliminates damaged contacts or mechanical failures associated with relays. The switching circuit is designed to detect a loss of AC power and automatically energizes the lamps. Upon restoration of the AC voltage, the emergency lamps will switch off and the charger will automatically recharge the battery.

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Damp location rating ensures the fixture is designed to operate safely in outdoor locations that are protected from the direct elements. Damp location rated fixtures may be installed indoors. Products with damp location ratings are not designed to withstand constant or significant moisture or direct contact with water or steam.

Made in the USA (Option: USA)

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Guardian Self-Diagnostic (Option: G1)

The Guardian circuit continuously monitors the operating condition of the battery charging circuit and battery supply voltage.

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Guardian Self-Test/Self-Diagnostics (Option: G2)

The Guardian circuit continuously monitors the operating condition of the AC power, battery supply voltage, emergency lamp continuity and charging circuit.

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Flasher (Option: FL)

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Fire Alarm Interface (Option: A1 or A2)

Our fire alarm interface option ties into the building's fire alarm system allowing for exits and emergency units to be triggered prior to loss of power.

A1: Fire alarm interface including Flasher option

A2: Fire alarm interface including Buzzer option

Two-Circuit Operation (Option: 2CI)

Two circuit operation features for emergency lighting allows the dual input of power sources for units less battery (AC only).

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Remote Capable (Option: R6, R12 or R27)

R6 option provides this unit with up to an additional 6 watts of remote for use with CLED lamp heads.

R12 option provides this unit with up to an additional 12 watts of remote for use with RENEGADE or standard lamp heads.

R27 option provides this unit with up to an additional 27 watts of remote for use with RENEGADE or standard lamp heads.

Custom and Specialty Legends – Optional - (Option: SS)

Exitronix offers a variety of standard specialty signs designed to provide directional or safety information in applications where clear and accurate delivery of information is required.

Examples of specialty legends include:

- "X-RAY IN USE"
- "ON THE AIR"
- Restroom Signage
- "DO NOT ENTER"
- "NO SMOKING"
- "OCCUPIED"
- "AREA OF RESCUE ASSISTANCE" with ADA Symbol on Left or Right

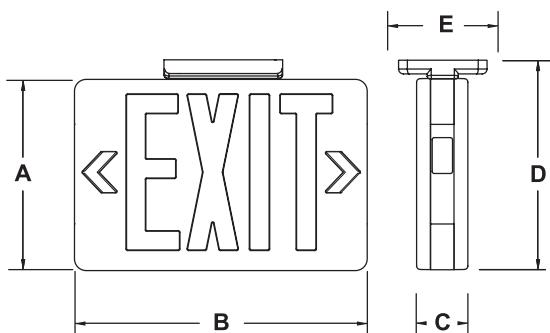
Custom Legends are also available – please call factory for details with questions.

CONFORMANCE TO CODES & STANDARDS

The VEX Series is UL listed and meets or exceeds the following: UL 924, NEC requirements and NFPA 101.

WATTAGE CONSUMPTION

Voltage	Steady State Input Watts	Steady State Max Amps
120	3.6 Watts	0.03 Amps
277	2.77 Watts	0.01 Amps

DIMENSIONS

	A	B	C	D	E
VEX	7.5"	12.75"	1.75"	8.5"	4.8125"
VEX-R6	8"	12"	2"	9"	4.8125"
VEX-R12	10"	13.75"	2.75"	11"	4.8125"
VEX-R27	10"	13.75"	2.75"	11"	4.8125"

Model Number:

Approvals:

Accessories:

Job:

Type:

RDG-R RECESSED ADJUSTABLE GIMBAL RING

- Constructed of rugged steel in neutral cream finish
- Mounting plate allows fast, easy installation in suspended T-grid or drywall ceilings
- Suitable for damp locations
- Adjustable, glare-free lighting head

Part No.	Volts	Watts	Lamp Type
RDG-R	6V	7.2	Halogen

 Mounting Plate & Trim: included
 Lamp Head: RDG-R

L1D THERMOPLASTIC WEDGE BASED SQUARE

- Constructed of impact resistant, UL 94 V-0 thermoplastic
- White or black with matching mounting plate included
- Add "2" prefix for double head mounting plates

Part No.	Volts	Watts	Lamp Type
L1D	6V	5.4	Tungsten
L2D	6V	7.2	Tungsten
L3D	6V	9	Tungsten
L4D	12V	7.2	Tungsten
L5D	12V	12	Tungsten


 Mounting Plate: included
 Lamp Head: L1D

 Mounting Plate: included
 Lamp Head: 2L1D

L1H THERMOPLASTIC BI-PIN HALOGEN SQUARE

- Constructed of impact resistant, UL 94 V-0 thermoplastic
- White or black with matching mounting plate included
- 6 volt, 5 watt bi-pin halogen lamps
- Add "2" prefix for double head mounting plate

Part No.	Volts	Watts	Lamp Type
L1H	6V	5	Halogen


 Mounting Plate: included
 Lamp Head: L1H

 Mounting Plate: included
 Lamp Head: 2L1H

Z1P-B THERMOPLASTIC WET LOCATION RATED

- NEMA 4X rated sealed beam PAR 36
- Constructed of gray polycarbonate
- Lamp heads are fully gasketed
- Add "2" prefix for double head mounting plates

Part No.	Volts	Watts	Lamp Type	Color
Z1P-B	6V	7.2	Tungsten	Gray
Z5P-B	12V	12	Tungsten	Gray
Z14P-B	6V	9	Tungsten	Black
Z15P-B	12V	12	Tungsten	Black


 Mounting Plate: included
 Lamp Head: Z1P-B

 Mounting Plate: included
 Lamp Head: 2Z1P

Model Number:

Accessories:

Job:

Type:

**THE POINT @ FALL CREEK
TYPE: X2
MFG: EXITRONIX
#LED90**
FEATURES

- Each head contains 8 long-lasting, efficient, ultra-bright, white LEDs using 1.1 watts per head
- Completely self-contained, compact, low-profile design
- Rugged, injection-molded UL94 V-0 flame retardant, high-temperature thermoplastic housing
- Remote capable- up to 2 HLED remote heads
- AC lockout for ease of installation and installer protection
- Low voltage disconnect eliminates deep discharge
- Brown-out, short circuit and voltage surge protection
- Charge rate/power "ON" LED indicator light with test button
- Maintenance-free Ni-cad battery
- UL listed 90 minute emergency run time, 24 hour recharge time
- Universal J-Box mounting system
- Optional Guardian Self-Test/Self-Diagnostics (G2) available
- Standard finishes: Black or white
- 120/277V dual primary, 60Hz input
- Suitable for damp location



The LED-90 Series combines a low-profile, contemporary appearance with LED economy and dependability. Fully adjustable heads complement any application.

**WARRANTY**

Any component that fails due to manufacturer's defect is guaranteed for 3 years with a separate 5 year pro-rated warranty on the battery. The warranty does not cover physical damage, abuse or acts of God. Manufacturer reserves the right to charge for such repairs if deemed necessary.

SPECIFICATIONS ARE SUBJECT
TO CHANGE WITHOUT NOTICE

ORDERING INFORMATION Example: LED-90-G2

Series	Finish	Options (Factory Installed)	Accessories ² (Field Installed)
LED-90	BLANK = White	G2 = Self-Test/Self-Diagnostics	WG-90 = Wire Guard (Back Mount)
	BL = Black	R ¹ = Remote Capacity	XG-90 = Poly Guard (Back Mount) WPV-2 = Wet Location/Vandal Guard (Back Mount)

¹ For use with single or double HLED remote lamps only

² Order as separate line item

CONSTRUCTION

The LED-90 is a precision molded unit with lamp housings constructed of UV stable 5VA flame retardant, corrosion proof thermoplastic. Units resist denting, peeling, scratching and corrosion. Not recommended for outdoor use. Tool-less access provided for easy maintenance, universal J-box mounting pattern and keyhole slots provided for simple installation.

ILLUMINATION

Illumination is accomplished utilizing high-intensity, long-life LEDs and consumes only 1 watt nominal power per head. LEDs provide excellent illumination while maximizing energy efficiency. LEDs are a maintenance-free solution, providing up to 100,000 hours of use without failure.

ELECTRICAL

Input

Dual-voltage input 120 or 277VAC @ 60Hz

Sealed Nickel Cadmium Battery – NiCad

Extronix sealed nickel cadmium batteries are maintenance-free with a life expectancy of 15 years. Nickel cadmium batteries offer high discharge rates and continue to perform in a vast temperature range from 0-40 degrees C. NiCad technology provides long lasting, safe and reliable performance by utilizing the jelly-roll design and allows a Ni-Cad cell to deliver a much higher maximum current than an equivalent size alternative battery. As a relatively larger area of the electrode is in contact with the active material in each cell, the internal resistance for an equivalent sized NiCad cell is lower which increases the maximum current that can be delivered.

Emergency

The LED-90 will operate for a minimum of 90 minutes during a loss of power with a 24 hour maximum recharge time for the battery.

Brownout Circuit

The brownout circuit monitors the flow of AC current to the unit and triggers the emergency lighting system once a set reduction of AC power occurs. This dip in the voltage will cause many fixtures to extinguish causing loss of normal lighting even though a total power failure has not occurred.

Low Voltage Disconnect

When the battery's terminal voltage falls below predetermined levels, the low-voltage circuit disconnects the emergency lighting load. The disconnect remains in effect until normal power is restored, preventing deep battery discharge and improving the life of the battery. The disconnect will also automatically reconnect the load circuit once the battery voltage returns to a normal value after charging.

Solid-State Transfer

The unit features a solid-state switching transistor which eliminates damaged contacts or mechanical failures associated with relays. The switching circuit is designed to detect a loss of AC power and automatically energizes the lamps. Upon restoration of the AC voltage, the emergency lamps will switch off and the charger will automatically recharge the battery.

Overload and Short-Circuit Protection

The solid-state overload monitoring system in the DC circuit disconnects the lamp load from the battery should excessive wattage demands be made and automatically resets when the overload or short-circuit is removed. This overload current protective characteristic eliminates the need for fuses or circuit breakers for the DC load.

Test Button

Our easily located test button allows for manual verification of proper operation of the transfer circuit and emergency lamps.

INSTALLATION

Units are mountable in any orientation, on wall or ceilings. A universal mounting pattern and rear keyhole slots are provided.

Damp Location Rated (Option DR)

Damp location rating ensures the fixture is designed to operate safely in outdoor locations that are protected from the direct elements. Damp location rated fixtures may be installed indoors. Products with damp location ratings are not designed to withstand constant or significant moisture or direct contact with water or steam.

Guardian Self-Test/Self-Diagnostics (Option: G2)

The Guardian circuit continuously monitors the operating condition of the AC power, battery supply voltage, emergency lamp continuity and charging circuit.

The purpose of this option is to provide visual signaling in response to a fault at the EXIT sign battery and/or battery charger. If a failure is detected, visual status will occur immediately via the CHARGER LED and/or the BATTERY FAULT LED. The LEDs will stay illuminated until the fault is corrected.

The Guardian circuit also monitors the transfer circuit as well as performing automatic code compliant testing. The Guardian circuit will perform a 30 second discharge and self-test every 28-30 days. A 90 minute discharge and self-test is performed every 6 months.

Remote Capable (Option: R)

The R option provides this unit with an additional 2.2 watts of remote for use with HLED remote lamps.

CONFORMANCE TO CODES & STANDARDS

The LED-90 Series is UL listed and meets or exceeds the following: UL 924, NEC requirements and NFPA 101.

REMOTE LAMPS (Order Separately)

FEATURES

- Each lamp contains 8 long lasting, efficient ultra-bright white LEDs.
- For use with LED-90 or 400C units only
- Wet location option available



Single Lamp with
Weatherproof (WP) Option



Double Lamp with
No Options

REMOTE ORDERING INFORMATION

Example: HLED-G2

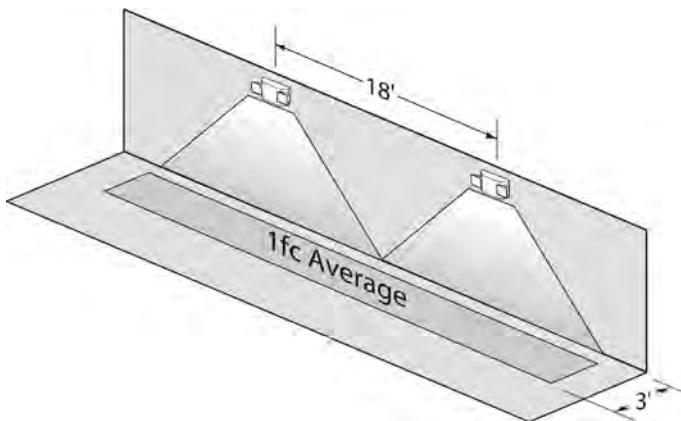
Series	Options
HLED = Single Remote Lamp	G2 = Self Test / Diagnostics
2HLED = Double Remote Lamp	WP = Weatherproof Applications

Order remote lamps as separate line item

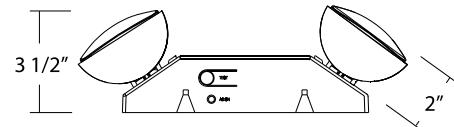
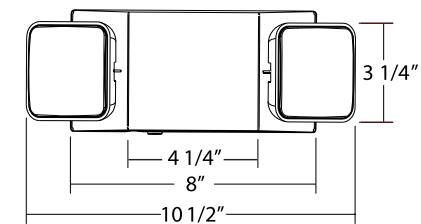
Remote lamps with G2 option are compatible with LED emergency lighting units with G2 option only.

SAMPLE PHOTOMETRICS

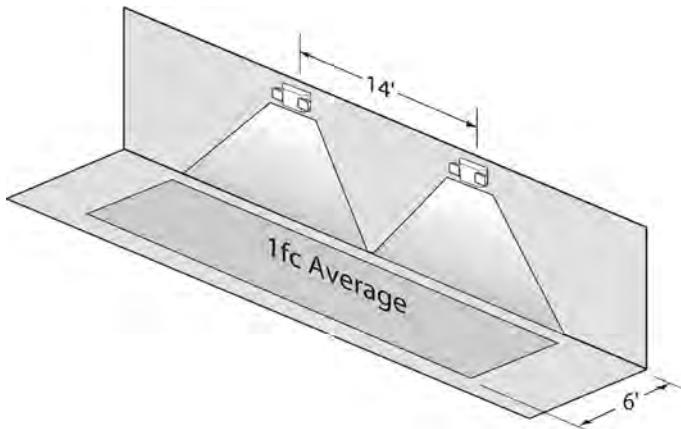
Using multiple units mounted at a typical 7.5' delivers 18' center-to-center spacing on a 3' wide egress path.



DIMENSIONS



Using multiple units mounted at a typical 7.5' delivers 14' center-to-center spacing on a 6' wide egress path.



Instruction Bulletin

Power Pack **SLSPP1277**

Retain for future use.

THE POINT @ FALL CREEK
TYPE: PP
MFG: SCHNEIDER
ELECTRIC
#SLSPP1277

GENERAL INFORMATION

The Power Pack has a line input of 120 or 277 Vac, and a single-pole, single-throw, relay output for the load. A full wave rectifier converts the AC line voltage to 24 Vdc to power a low-voltage sensor via Class 2, plenum-rated leads. The power pack can be mounted inside or outside of an electrical junction box.

FEATURES

- 100 mA power output can supply up to three sensors
- Single-pole, normally open relay
- Rated for plenum use
- Relay rated for maximum 15 A tungsten and 20 A ballast loads
- Mounts to a standard 4-in. x 4-in. junction box using a 1/2-in., threaded EMT nipple

INSTALLATION INSTRUCTIONS

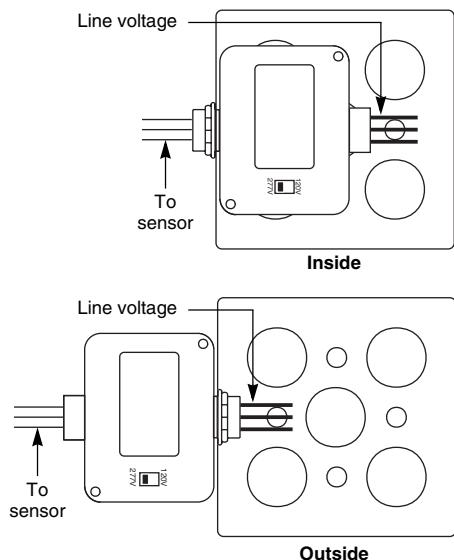
A DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

- This equipment must be installed and serviced by qualified electrical personnel.
- Apply appropriate personal protective equipment (PPE) and follow safe electrical work practices. See NFPA 70E.
- Turn off all electrical power supplying this equipment before working on or inside the equipment.
- Always use a properly rated voltage sensing device to confirm that power is off.
- Replace all devices, doors, and covers before turning on power to this equipment.

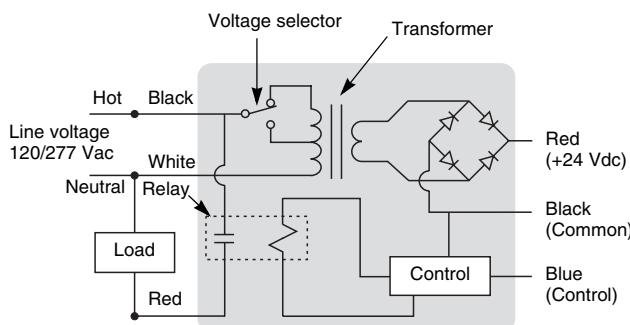
Failure to follow these instructions will result in death or serious injury.

Mounting Examples

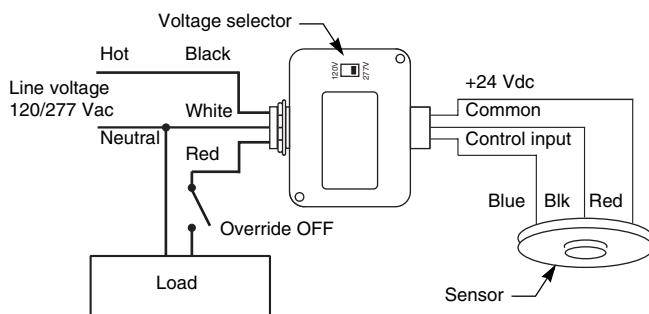


- Provide separate overcurrent protection in accordance with the National Electrical Code® and applicable local codes.
- Use copper wire only.
- Confirm that the device rating is proper for your application.
- Set the voltage selector on the front of the unit to either 120 or 277 Vac, depending on your application. The unit is shipped with the selector set to 277 Vac.
- Mount the power pack to a suitable junction box using the 1/2-in., threaded nipple and lock. The power pack is plenum-rated, and can be mounted to the inside or the outside of a junction box or fixture in a ceiling plenum.
- Connect the power pack as shown. Use approved wire nuts for electrical connections.

Schematic Diagram



System Diagram



Specifications

Storage Temperature	-20 °F to 150 °F (-29 °C to 65 °C)
Operating Temperature	32 °F to 104 °F (0 °C to 40 °C)
Maximum Humidity	90% non-condensing
AC Power Input	120 or 277 Vac ± 10%, 60 Hz
Output Voltage	24 Vdc
Output Current	100 mA nominal
Horsepower Rating	1 hp @ 120 Vac
Switching Capacity	120 Vac, 60 Hz 15 A tungsten 1800 W 20 A ballast 277 Vac, 60 Hz 20 A ballast

Schneider Electric USA

320 Tech Park Drive, Suite 100
La Vergne, TN 37086
1-888-778-2733
www.Schneider-Electric.us

Electrical equipment should be installed, operated, serviced, and maintained only by qualified personnel. No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this material.

Instruction Bulletin

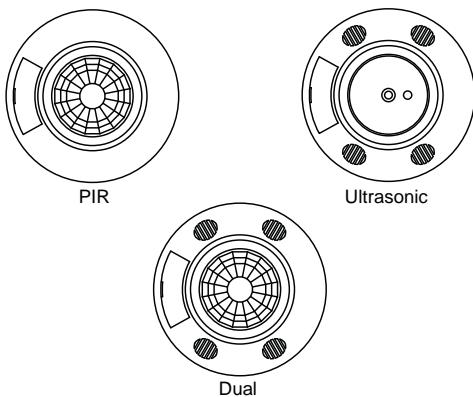
THE POINT @ FALL
CREEK
TYPE: OCC
MFG: SCHNEIDER
#SLSCDS2000

Square D® Ceiling-Mounted Occupancy Sensors

SLSCPS1000, SLSCUS2000, **SLSCDS2000**

Retain for future use.

Introduction



Square D® Ceiling-Mounted Occupancy Sensors are ideal for use in business and office settings to accurately detect occupancy and automatically control lighting. The ceiling-mount design of these low-profile sensors allows the greatest possible motion sensitivity. An adjustment panel is conveniently located on the front of the sensor, providing ready access to setting controls after the sensor is installed.

Square D offers three models of ceiling-mounted sensors:

- Passive Infrared (PIR) sensor (SLSCPS1000)
- Ultrasonic sensor (SLSCUS2000)
- Dual sensor—PIR and Ultrasonic combined (**SLSCDS2000**)

Contents of the Box

Item	Quantity
Sensor	1
Mounting adapter plate	1
Threaded mounting post	1
Washer	1
Lock nut	1
Mounting screws	2
Masking strips, sheet ¹	1

¹ Supplied with PIR and Dual sensors only.

Features

Description	PIR	Ultrasonic	Dual
Coverage area	1000 sq. ft.	2000 sq. ft.	2000 sq. ft.
Field of view		360°	
Ambient light level sensing		0.5 to 250 foot candles	
Adjustable time delay		15 sec. to 30 min.	
Adjustable sensitivity (60 to 100% of max. coverage)	600 to 1000 sq. ft.	1200 to 2000 sq. ft.	
Isolated relay		Form C contacts for Class 2 signalling	
LED motion indicators	1 (red)	1 (red)	2 (red/green)

Standards and Specifications

Standards	PIR	Ultrasonic	Dual
UL/cUL Listed; FCC Part 15, Home and Office Use (Class B); California Title 24 Certified			
Specifications			
Current Consumption @ 24 Vdc ¹ :			
Isolated Relay:			
Temperature:			
Humidity:			

¹ Control power must be provided by Square D Power Pack SLSPP1277 or an approved equivalent.

Commercial Grade Occupancy Sensor Ultrasonic Single and Dual Circuit Wall Switch

Schneider Electric Single Circuit PIR Wall Switch Occupancy Sensor with Light Level features passive infrared (PIR) technology to conveniently control lighting.

Dual Circuit Wall Switch Occupancy Sensors independently control two lighting circuits with bi-level switching to reduce lighting by 50% which may be required by energy codes. The dual circuit wall switch occupancy sensor employs passive infrared (PIR) technology and a 180 degree segmented lens to achieve minor motion coverage up to 300 square feet (27.87 sq. meters).

Adaptive Technology: New patent pending technology employs advanced algorithms to achieve convenient energy savings and reduced lamp and ballast maintenance.

Walk-Through Mode: To maximize energy savings and reduce waste, the sensor detects when areas are briefly occupied as a result of an occupant walking through and turns off lighting based on a shorter time delay.

Light Level Sensor Mode: Each sensor includes an adjustable light level sensor to hold off artificial lighting when adequate natural light is present. When natural light levels drop below the threshold, the sensor will turn on artificial lighting in occupied spaces.



Single Circuit Wall Switch Occupancy Sensor



Dual Circuit Wall Switch Occupancy Sensor

Lamp Saver Mode: (Dual Circuit wall switch) when the lamp saver feature is enabled, the sensor automatically alternates which circuit responds to motion. The result is more predictable lamp life and reduced maintenance.

These sensors do not require a neutral connection or minimum load, making it great for retrofits. Easily replaces an existing wall switch using existing wiring – no wiring modifications required. Matching wall switch cover plate makes retrofits clean and simple.

Technical Information

Input	120 – 277 Vac ±10% 50/60 Hz	
Output	120 Vac 1000 W max. tungsten incandescent load ½ hp max. motor load 277 Vac 1000 VA max. ballast load	277 Vac 1800 VA max. ballast load
Operating Temperature	32° F – 122° F (0° C – 50° C)	
Humidity	0 – 90% max. relative humidity non-condensing	
Time Delay Adjustment		
Normal	0.5 – 30 minutes	
Walk Through Mode	2 minutes if no activity is detected after 30 seconds	
Test Mode	15 seconds	
Light Level adjustment	0.5 – 25 FC	
Detection	180° passive infrared (PIR)	
Audible Alert	Selectable	
Service Switch	OFF/Auto/ON	
Manual Operation	Push-button ON/OFF	
Lens	Impact Resistant	
Relay Switching	0° = 500 uS	
Standard	UL and cUL Listed, FCC Part 15 Home and Office Use (Class B), Title 24 Certified	

*For Diagram see technical section page 19

Catalog Number	Description	Blank Catalog Number	Toggle Catalog Number	Description
SLSUWS1277UW	White	SLSWP1DBW	SLSWP1DTW	White
SLSUWS1277UI	Ivory	SLSWP1DBI	SLSWP1DTI	Ivory
SLSUWS1277UG	Gray	SLSWP1DBG	SLSWP1DTG	Gray
SLSUWS1277UL	Light Almond	SLSWP1DBL	SLSWP1DTL	Light Almond
SLSUWS1277UB	Black	SLSWP1DBB	SLSWP1DTB	Black

Product Features

- Available in white, ivory, gray, light almond and black with matching wall switch cover plate
- Color matching multi-segmented lens
- Selectable auto-on and manual-on modes
- 120 – 277 Vac 50/60 Hz input
- 180° field of view
- 1000 sq. ft. major motion and 300 sq. ft. minor motion coverage area
- Light level sensor
- Adjustable light level, time delay and sensitivity
- Red LED motion indicator
- For use with electronic and magnetic ballasts
- No neutral connection, minimum load or power pack required
- UL and cUL Listed for United States and Canada
- Five-year warranty

