SB+SC

NULITE

NULITE LIMITED
Commerce City, CO 80022
(303) 287-0666
(303) 287-0316 Fax

EJL-G

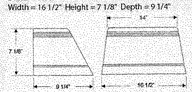
HID & COMPACT FLUORESCENT WALL PACK
INTEGRAL EMERGENCY BATTERY PACK AVAILABLE (CFL ONLY)

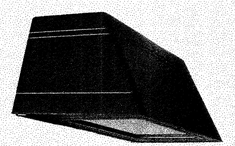
DESCRIPTION:

THE **NULITE EJL-G** IS A FULL CUTOFF WALLPACK WITH DIE CAST ALUMINUM HOUSING, ALUMINUM REFLECTOR WITH WIDE THROW OPTICS STANDARD, OPTIONAL FORWARD THROW OPTICS, TEMPERED CLEAR FLAT GLASS LENS, PHOTOCELL ADAPTABLE, OPTIONAL EMERGENCY BATTERY PACK. FIXTURE IS U.L. LISTED AND MEETS "DARK SKY REQUIREMENTS". FIXTURE IS WET LOCATION LISTED FOR DOWNLIGHT APPLICATIONS ONLY.

DIMENSIONS:

Width = 16 1/2" Height = 7 1/8" Depth = 9 1/4"



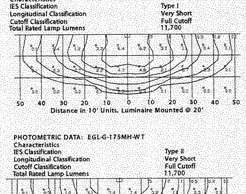


ORDERING INFORMATION

CATALOG NO.	LAMP
EJL-G 126	1-26 W QT
EJL-G 128	1-26 W DT
EJL-G 132	1-32 W TT
EJL-G 142	1-42 W TT
EJL-G 70 HPS	70W HPS/MED
EJL-G 100 HPS	100W HPS/MED
EJL-G 150 HPS	150W HPS/MED
EJL-G 70 MH	70W MH/MED
EJL-G 100 MH	100W MH/MED
EJL-G 150 MH	150W MH/MED
EJL-G 175 MH	175W MH/MED

PHOTOMETRIC DATA: EGL-G-175MH-WT

Characteristics	
IES Classification	Type I
Longitudinal Classification	Very Short
Cutoff Classification	Full Cutoff
Total Rated Lamp Lumens	11,700



OPTIONS:

277 VOLT	277V
PHOTOCELL	PC
EMERGENCY BATTERY PACK*	EM
LOW TEMP. -4 DEG. EMERGENCY BATTERY PACK*	EMLT-4
WIDE THROW OPTICS (STANDARD)	WT
FORWARD THROW OPTICS	FT
-20 DEG. (F) COLD START BALLAST (Compact Fluorescent Only)	-20°F

FINISHES:

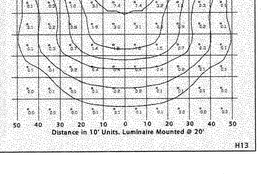
BRONZE (STANDARD)	BZ
BLACK	BK
WHITE	WH

FOR CUSTOM COLORS CONTACT FACTORY.

* Emergency ballast only available with compact fluorescent lamping.

PHOTOMETRIC DATA: EGL-G-175MH-WT

Characteristics	
IES Classification	Type II
Longitudinal Classification	Very Short
Cutoff Classification	Full Cutoff
Total Rated Lamp Lumens	11,700



H13

SA

RAVEN SERIES

Cat. #	Approvals
Job / Type	

SPAULDING LIGHTING

APPLICATIONS

- Provides a superior lighting solution for a wide array of area/site lighting applications.

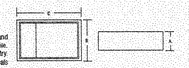
FEATURES

- Lightweight, rugged, one-piece formed and welded aluminum for smooth construction and weatherproofing. Pre-drilled for mounting. Decorative embossed band and reveal colors available.
- Extruded aluminum frame with rigid corner bracing and die-cast zinc latches for tool-free entry. Quality silicone gasketing seals out insects, dirt and moisture. Decorative silk screening conceals electrical compartment. Flat tempered glass provides sharp full cutoff.
- Hydroformed and performance series reflectors available. IES type II, III, IV, and V distributions. RCS: H2/RS/HS (hydroformed), H2P/HSP (patented multi-faceted hydroformed), H4 (multi-piece), HSP (segmented). RCL: H2P/HSP (segmented), H4/H4P (multi-piece), HS (hydroformed).
- Extruded stems along with multiple adapters provide mounting flexibility.
- Mogul porcelain socket, pulse rated, with spring-loaded, nickel-plated center contact and reinforced lamp grip screw shell. Medium base for ED-17 lamp.
- CWA type, HPF ballast, starting rated at -20°F (-40°F for HPS). Removable Powr-Pan® available for maintenance and installation ease.
- Durable Lektrocote® TGIC thermoset polyester powder coat paint finish assures long life and maintenance-free service.

LISTINGS/CERTIFICATIONS

- UL 1598 listed and CSA certified for outdoor use in wet locations.

Brad Warren consultants



	A	B	C	EPA	Weight
RCS	8.5"	16.25"	23.5"	1.7 ft²	42 lbs.
	200 mm	413 mm	591 mm	0.2 m²	19.1 kg
RCL	10.5"	22.25"	30"	2.6 ft²	70 lbs.
	262 mm	556 mm	750 mm	0.2 m²	31.7 kg

NOTE: EPA and weight values do not include mounting arm. Four-inch arm adds 0.2 ft² EPA. 6-inch arm adds 0.4 ft² EPA.

ORDERING INFORMATION

ORDERING EXAMPLE

RCS - A4 - H17 - H3 - F - Q - DB - F1

Series, Mounting, Wattage Source, Lamp Orientation/distribution, Lens, Voltage, Color, Options

SERIES	
RCS	Raven Small (100–400W)
RCL	Raven Large (400–1000W)

MOUNTING	
A4	Arm Mount (includes 4" rigid arm)
A10F	Arm Mount (includes 10" rigid arm)
WB	Wall Bracket (arm not required or included)
WBA4	Wall Bracket with 4" rigid arm
WB10	Wall Bracket with 10" rigid arm
0	No arm or wall bracket (only order without arm or wall bracket when they are ordered as an accessory)

WATTAGE/SOURCE METAL HALIDE	
H17	175 watt (ED-28) RCS only
H25	250 watt (ED-28) RCS only
H40	400 watt (RCS: ED-28; RCL: BT-37)
H1K	1000 watt (BT-56) RCL only
SUPER METAL HALIDE	
M517	175 watt (ED-28) RCS only
M525	250 watt (ED-28) RCS only
M540	400 watt (RCS: ED-28; RCL: BT-37)
M51K	1000 watt (BT-37) RCL only

WATTAGE/SOURCE con't PULSE START METAL HALIDE	
P10	100 watt (ED-17) RCS only
P12	125 watt (ED-17) RCS only
P15	150 watt (ED-28) RCS only
P20	200 watt (ED-28) RCS only
P25	250 watt (ED-28) RCS only
P32	320 watt (ED-28) RCS only
P35	350 watt (ED-28) RCS only
P40	400 watt (RCS: ED-28; RCL: BT-37)
P75	750 watt (BT-37) RCL only
P1K	1000 watt (BT-37) RCL only
HIGH PRESSURE SODIUM	
S10	100 watt (ED-23 1/2) RCS only
S15	150 watt (ED-23 1/2) RCS only
S25	250 watt (ED-18) RCS only
S40	400 watt (ED-18)
S60	600 watt (T-14) RCL only
S75	750 watt (BT-37) RCL only
S1K	1000 watt (E-25) RCL only

LAMP ORIENTATION/DISTRIBUTION	
H2	Horizontal II-RCS only (hydroformed)
H2P	Horizontal II - Performance Series (RCS: patented multi-faceted hydroformed; RCL: segmented)
H3	Horizontal III-RCS only (hydroformed)
H3P	Horizontal III - Performance Series (RCS: patented multi-faceted hydroformed; RCL: segmented)
H4	Horizontal IV (multi-piece)
H4P	Horizontal IV - Performance Series RCL only (multi-piece)

LAMP ORIENT./DIST. con't	
HS*	Horizontal V (hydroformed)
HSP	Horizontal V - Performance Series RCS only (segmented)

LENS	
F	Flat

VOLTAGE	
Q*	Quad-Tap® 120/208/240/277V
5	480V
T**	5-Tap® 120/277/347V
E	50Hz 220/240V (250, 400 & 1000W MH, SMH & HPS only)
V*	Five-Tap - 120/208/240/277/480V (250 & 400W MH, SMH & HPS only)
0	No Ballast

COLOR	
DB	Dark Bronze
BL	Black
WH	White
GR	Gray
PL	Platinum Silver
RD	Red (premium color)
FG	Forest Green (premium color)
CC	Custom Color (consult factory) (RAL6 preferred)

** Factory order for highest voltage unless specified.*
*** Required for 347 configuration.*
 # Fit Wattage/Source and Voltage needs in electric-247V ballast.
 # RCL housing requires compact 1000W lamp.
NOTE: All poles to be drilled with X2 pattern.

OPTIONS
W1 120V Wiring Prep
W2 208V Wiring Prep
W3 240V Wiring Prep
W4 277V Wiring Prep
W5 480V Wiring Prep
W6 347V Wiring Prep
RP62 Round Pole Adapter (2¼"-2½")
RP63 Round Pole Adapter (3¼"-3½")
RP64 Round Pole Adapter (4¼"-4½")
RP65 Round Pole Adapter (5")
RP66 Round Pole Adapter (6")
PC(X) Photo Cell Receptacle (replace X with voltage: 1-120, 2-208, 3-240, 4-277, 5-480, 6-347)
PRC(X) Photo Cell Receptacle (replace X with voltage: 1-120, 2-208, 3-240, 4-277, 5-480, 6-347)
QZ Quartz Restrike with 150W QZ bayonet lamp
RS Internal House Side Shield (all except Type V distributions)
VG Polycarbonate Vandal Guard
RL(XX) Reveal (replace XX with color designation) EB option must be chosen with reveal option
EB Embossed Band
L Lamp

SPAULDING LIGHTING — SHEET # RAVEN-SPEC6/06

SA

RAVEN

New Product Release

RECTANGULAR LUMINAIRES

Features

Housing - Lightweight, rugged, one-piece formed and welded aluminum for smooth construction and weatherproofing. Pre-drilled for mounting. Decorative embossed band and reveal colors available.
Door - Extruded aluminum frame with rigid corner bracing and die-cast zinc latches for tool-less entry. Quality silicone gasketing seals out insects, dirt and moisture. Decorative silk screening conceals electrical compartment. Flat tempered glass provides sharp full cutoff.
Optics - Hydroformed and performance series (Patented Multifaceted Hydroformed or Multi-Piece Segmented) reflectors available. IES type II, III, IV, and V distributions available. All are field rotatable.
Mounting - Extruded arms along with multiple adapters provide mounting flexibility.
Electrical - Mogul porcelain socket, pulse rated, with spring loaded, nickel plated center contact and reinforced lamp grip screw shell. Medium base for ED-17 lamp. Removable Powr-Pan® available.
Finish - Durable Lektrocote® TGIC thermoset polyester powder coat paint finish assures long life and maintenance-free service.

UL Certified and CSA Approved for outdoor use in wet locations.

Ordering Information

Example: RCS - A - H17 - H3 - F - Q - DB - F1

Series, Mount, Watts/Source, Orient./Dist., Lens, Volts, Color, Options

Series

		RS	RL
RCS	Raven Small	✓	
RCL	Raven Large		✓

Mounting

		RS	RL
A	Arm Mount	✓	✓
A10	Arm Mount (includes 4" rigid arm)	✓	✓
	Arm Mount (includes 10" rigid arm)#	✓	✓
WB	Wall Bracket (arm not required or included)	✓	✓
WBA	Wall Bracket with 4" rigid arm	✓	✓
WBA10	Wall Bracket with 10" rigid arm	✓	✓
0	No arm or wall bracket (only order without arm or wall bracket when they are ordered as an accessory)	✓	✓

Wattage/Source

		RS	RL
Metal Halide			
H17	175W (ED-28)	✓	
H25	250W (ED-28)	✓	
H40	400W (ED-28)	✓	✓
H1K	1000W (BT-56)		✓
Super Metal Halide			
M517	175W (ED-28)	✓	
M525	250W (ED-28)	✓	
M540	400W (ED-28)	✓	✓
M51K	1000W (BT-56)		✓
Pulse Start Metal Halide			
P10	100W (ED-17)	✓	
P12	125W (ED-17)	✓	
P15	150W (ED-28)	✓	
P20	200W (ED-28)	✓	
P25	250W (ED-28)	✓	
P32	320W (ED-28)	✓	
P35	350W (ED-28)	✓	
P40	400W (ED-28)	✓	✓
P75	750W (BT-37)		✓
P1K	1000W (BT-37)		✓
High Pressure Sodium			
S40	400W (ED-18)	✓	
S60	600W (T-14)		✓
S75	750W (BT-37)		✓
S1K	1000W (E-25)		✓

Lamp Orientation/Distribution

		RS	RL
H2	Horiz. II	✓	✓
H2P	Horiz. II-Performance Series	✓	✓
H3	Horiz. III	✓	✓
H3P	Horiz. III-Performance Series	✓	✓
H4	Horiz. IV	✓	✓
H4P	Horiz. IV-Performance Series	✓	✓
HS	Horiz. V*	✓	
HSP	Horiz. V-Performance Series	✓	

Lens

		RS	RL
F	Flat	✓	✓

Voltage

		RS	RL
Q	Quad-Tap® (120, 208, 240, 277V)*	✓	✓
5	480V	✓	✓
T	120, 277, 347V**	✓	✓
E	50Hz 220/240V (250 & 400W MH & HPS only)	✓	✓
V	Five-Tap (120/208/240/277/480V)*	✓	✓
0	No Ballast	✓	✓

Color

		RS	RL
DB	Dark Bronze	✓	✓
BL	Black	✓	✓
WH	White	✓	✓
GR	Gray	✓	✓
PL	Platinum Silver	✓	✓
RD	Red (Premium Color)	✓	✓
FG	Forest Green (Premium Color)	✓	✓
CC	Custom Color (Consult Factory)	✓	✓

Options

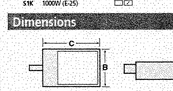
		RS	RL
RP62	Round Pole Adapter (2 3/8 - 3 1/8")	✓	✓
RP63	Round Pole Adapter (3 1/2 - 3 3/8")	✓	✓
RP64	Round Pole Adapter (3 7/8 - 4 1/2")	✓	✓
RP65	Round Pole Adapter (5")#	✓	✓
RP66	Round Pole Adapter (6")#	✓	✓
PC(X)	Fusing (replace X with voltage: 1-120, 2-208, 3-240, 4-277, 5-480, 6-347)	✓	✓
PRC(X)	Photocell Receptacle (replace X with voltage: 1-120, 2-208, 3-240, 4-277, 5-480, 6-347)	✓	✓
QZ	Quartz Restrike with 150W QZ bayonet lamp	✓	✓
RS	Internal House Side Shield	✓	
VG	Polycarbonate Vandal Guard	✓	✓
RL(XX)	Reveal (replace XX with color)	✓	✓
EB	Embossed Band	✓	✓
R	Removable Powr-Pan®	✓	✓
L	Lamp	✓	✓

1 Factory wired for highest voltage unless specified.
2 Required for 347 configuration.
3 PRC Wattage/Source and T Voltage results in electric-247V ballast.
4 RCL housing requires compact 1000W lamp.
Note: All poles to be drilled with X2 pattern.

Accessories - Order Separately

RCS Series	
RCS-PVG	Polycarbonate Vandal Guard
RCS-HS-23	Internal House-Side Shield (H2 & H3 distributions)
RCS-HS-4	Internal House-Side Shield (H4 distribution)
RCL Series	
RCL-PVG	Polycarbonate Vandal Guard
RCL-HS-23	Internal House-Side Shield (H2 & H3 distributions)
RCL-HS-4	Internal House-Side Shield (H4 distribution)

Dimensions



	A	B	C	EPA	Weight
RCS	8 1/2"	16 1/4"	23 1/2"	1.7 ft²	42 lbs.
	203mm	413mm	591mm	0.2 m²	19.1 kg
RCL	10 1/2"	22 1/4"	30"	2.6 ft²	70 lbs.
	262mm	556mm	750mm	0.2 m²	31.7 kg

Note: EPA and weight values do not include mounting arm.
Note: See page 699 for more detailed EPA information.

SPAULDING LIGHTING

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date

drawn by

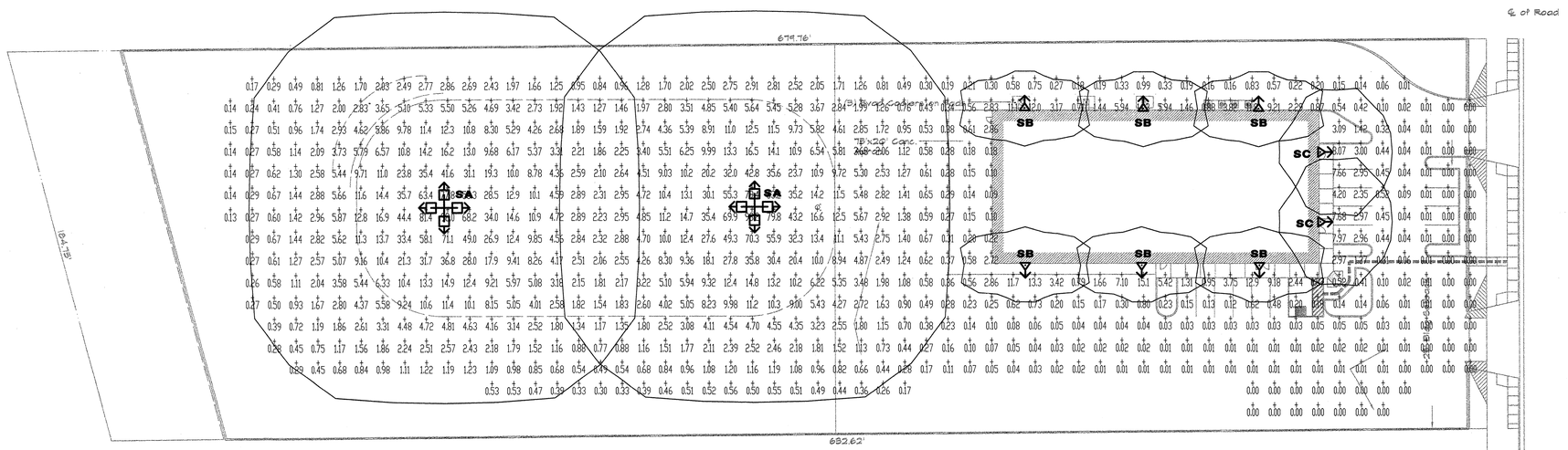
REGISTERED PROFESSIONAL ENGINEER (ELECTRICAL) CERTIFICATE NO. 33474 MARK J. JONES Date Signed 5/15/07 ARIZONA, U.S.A.

DXF file created by LitePro 2.0.18 on 12/12/2006 10:48 PM

CALCULATION SUMMARY											
AREA NAME	DIMENSIONS	GRID / TYPE	# PTS	SPAC	GROUP	AVE	MAX	MIN	MAX/MIN	AVE/MIN
SITE	724.00x227.00'f	PARKING / H-H	727	10.00	(+)	5.74	98.18	0.00	84661.	49528.

HDG-HUGHES SUPPLY LUMINAIRE SCHEDULE						
TYP	SYMBOL	DESCRIPTION	LAMP	LUMENS	MOUNTING/BALLAST	LLF	QTY
SA		Spaulding (2) 1000MH T4 (4) "RCL" RCL-A-H1K-H4-F	(4) M1000/U	107800	25' TO TOP OF FIXTURE	0.70	2
SB		GRANDLITE 175 MH (1) "VT" EJLG-175MH-277-VT-B2	(1) 175MH	13500	WALL MOUNT @12.5'	0.70	6
SC		GRANDLITE 175 MH (1) "FT" EJLG-175MH-277-FT-B2	(1) 175MH	13500	WALL MOUNT @12.5'	0.70	2

AREA SUMMARY SCHEDULE					
AREA NAME	I/O	DIMENSIONS	LUMS / (ASMS)	WATTS / SQ FT	QTY
SITE	OUT	724.00x227.00'f	(SA) (2) (SB) (6) (SC) (2)	0.06	1



North 1" = 30'-0"

Electrical Photometrics Plan

CITY OF PHOENIX
Development Services Department
BY: KV (KEN GRAVES)
MAY 17 2007
This set of plans has been reviewed for ECTW/FIRE requirements prior to issuance of building permits. Review of these plans shall not be construed to be an approval of violations of the building codes or other ordinances of the City of Phoenix. Approval of plans is based on information furnished by the applicant.

Project Contact/Designer: Everardo Ibarra
Project # 06685
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EMAIL: email@hawkinsdg.com

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NATIONAL WATER WORKS
NORTH PHOENIX BRANCH
Parcel #209-03-104 A
2140 W Williams Drive
Phoenix, Arizona

job number

title
ELECTRICAL PHOTOMETRICS PLAN

s.f. 10,500

sheet number

E2.2