Lighting Plan

Barn lights for parking: Two lights will be installed on the front of the main barn, one above each double-hung window.

House lights for parking and pedestrians: 3 or 4 lights will be installed on the exterior of the main house and apartment, at a height consistent with the existing eave on the apartment and the bay window.

Lights for parking: Small downward facing LED lights will be placed every 3 feet on the west side of the parking fencing.

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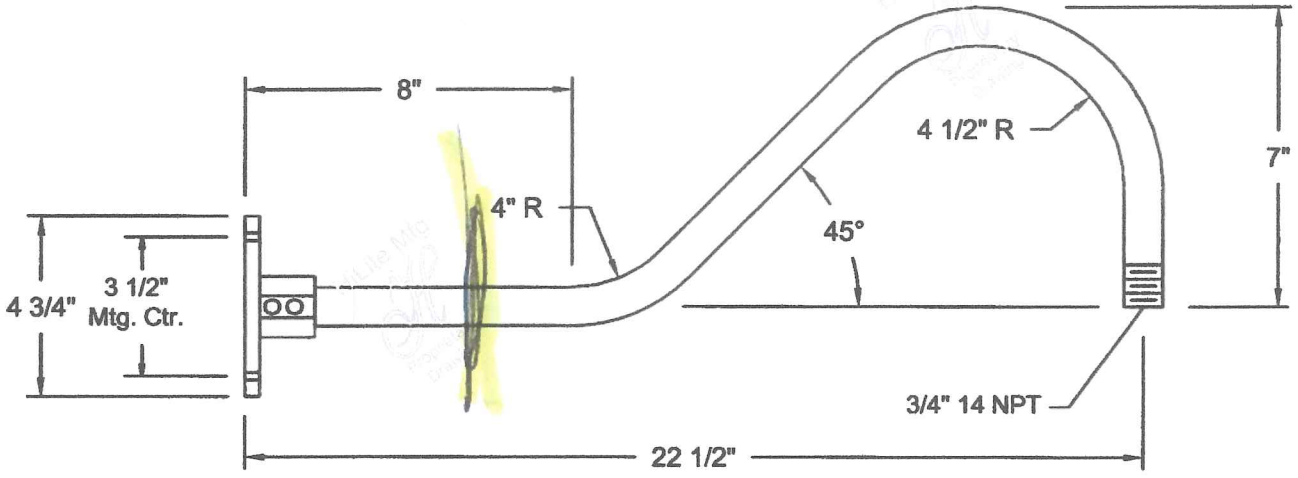
HI-LITE MFG. CO., INC
13450 Monte Vista Avenue
Chino, California 91710
Telephone: (909) 465-1999
Toll Free: (800) 465-0211
Fax: (909) 465-0907
www.hilitemfg.com

Job Name:
Type:
Quantity:

HL-A

Barn option

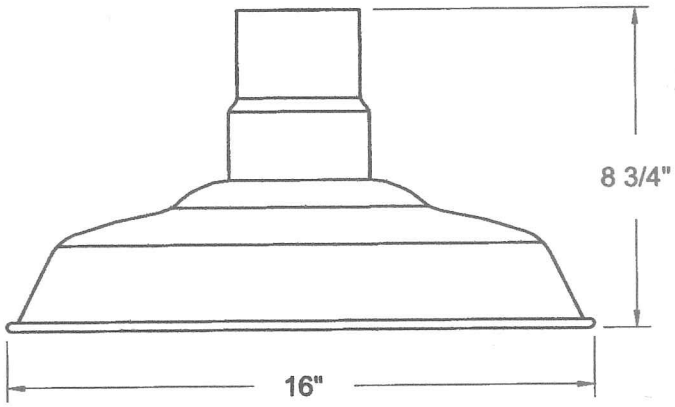


Andrew, This is the Arm + Shade we have on Display Keep in mind this Arm CAN Be made shorter on the Job site

H-15116
Warehouse Shade Collection

Job Name: Thurber
Type:
Quantity:

HI-LITE MFG. CO., INC
13450 Monte Vista Avenue
Chino, California 91710
Telephone: (909) 465-1999
Toll Free: (800) 465-0211
Fax: (909) 465-0907
web: www.hilitemfg.com
e-mail: sales@hilitemfg.com



FINISH -Multi-stage pretreatment procedure using materials of polyester/polished powder coat, baking enamel liquid, raw metals, and galvanized finishes.
Standard Finishes are: 91(Black), 93(White), 95(Dark Green), 96(Galvanized), BR47(Powder Coat Rust), BK01(Black Texture), GN20(Powder Coat Patina).
Upgraded Finishes are: 29, 66, 82, 90, 92, 94, 97, 99, 100, 103, 104, 105, 110, 112, 113, 114, 115, 117, 118, 119, 120, 127, 128, 129, 133, 134, 135, 136, 138, 139, 140, 11, 98, 101, 102, 137, 121, 122, 123, 124, 125, 126, 01, 22, 25, 33, 77, 89, 24, 44, 48, 49, 15, 16, 55.
(Custom finishes available).

For interior finish of fixture refer to color chart on pages 344-348.

MOUNTING - Cord, Stem, Arm, and Flush mounting available.

ACCESSORIES - CGU(Cast Guard and Glass), LCGU(Large Cast Guard and Glass), WGU(Wire Guard and Glass), LWGU(Large Wire Guard and Glass), ARN(Acorn Globe), LARN(Large Acorn Globe), WGR(Wire Guard), SK(Swivel Knuckle) and FX(Flexible tubing for cord mounted fixture only) available.

REFLECTOR - Heavy duty, spun shade, aluminum 6061-0 and/or 1100-0, galvanized 22 gauge, steel 20/22 gauge, copper 032/040 and brass 032/040 construction. Dependant on finish.

SOCKETS/LAMPS - Available in:
Incandescent
- rated 200 watt max/120 volt, medium base.
Compact Fluorescent(CFL)
- rated 13/18/26/32/42/57 watt max/120/277 volt, GX24Q base.
Metal Halide(MH)
- rated 35/50/70/100/150/175 watt max/120/208/240/277 volt, medium base, 4KV socket.
High Pressure Sodium(HPS)
- rated 50/70/100/150 watt max/120/277 volt, medium base.
Light-Emitted Diode(LED)
-See LED specification sheet.

MADE IN THE U.S.A.

Suitable for wet location.
(Except when cord mounted)

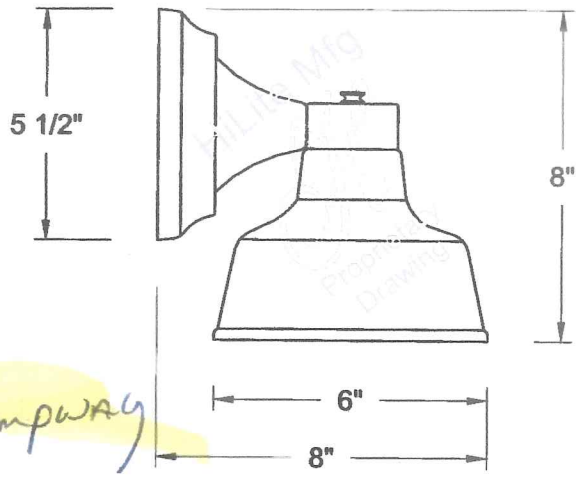
c UL us LISTED

H-15106-B
Warehouse Shade Collection

Job Name:	
Type:	
Quantity:	

HI-LITE MFG. CO., INC

13450 Monte Vista Avenue
Chino, California 91710
Telephone: (909) 465-1999
Toll Free: (800) 465-0211
Fax: (909) 465-0907
web: www.hilitemfg.com
e-mail: sales@hilitemfg.com



5 sides of House - Rampway

FINISH -Multi-stage pretreatment procedure using materials of polyester/polished powder coat, baking enamel liquid, raw metals, and galvanized finishes.
Standard Finishes are: 91(Black), 93(White), 95(Dark Green), 96(Galvanized), BR47(Powder Coat Rust), BK01(Black Texture), GN20(Powder Coat Patina).
Upgraded Finishes are: 29, 66, 82, 90, 92, 94, 97, 99, 100, 103, 104, 105, 110, 112, 113, 114, 115, 117, 118, 119, 120, 127, 128, 129, 133, 134, 135, 136, 138, 139, 140, 01, 11, 22, 25, 33, 77, 89, 24, 44, 48, 49.
(Custom finishes available).

For interior finish of fixture refer to color chart on pages 344-348.

REFLECTOR - Heavy duty, spun shade, aluminum 6061-0 and/or 1100-0, galvanized 22 gauge, steel 20/22 gauge, copper 032/040 and brass 032/040 construction. Dependant on finish.

SOCKETS/LAMPS - Available in:
Incandescent
- rated 75 watt max/120 volt, medium base.

MOUNTING - Wall Mount.

ACCESSORIES - WGR(Wire Guard) available.

MADE IN THE U.S.A.

Suitable for wet location.

c UL us LISTED

PAR30SN 11W DIM. TITANIUM CRI^{SP} LED SERIES 4.0

GREENCREATIVE

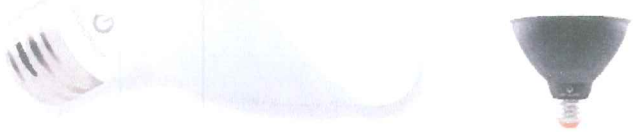
ENERGY STAR

HIGH CRI

LED TECHNOLOGY

REFINE SERIES

CRI^{SP}



11W REPLACES

75W Hal.

80% Energy Savings

$241 Savings per lamp*

- **Full-face optic and sleek design**
- **Exceptional color rendering CRI 90**
- **Richer reds and natural skin tones (R9 50, R13 90)**
- **Tight LED binning for consistent CCT across all lamps**
- **High efficacy 67 LPW in Warm White**
- **Suitable for use in totally enclosed fixtures**

40,000 H

DIMMABLE

67 LPW EFFICACY

5 YR WARRANTY

90 CRI (Ra)

ENCLOSED**

c UL us LISTED

FC

lighting facts

LM 79 LM 80 TM 21 IES

PATENT PENDING REFINE OPTIC

The innovative REFINE optic provides a high candela to lumen ratio, optimizing light usage for directional applications.

REFINE SERIES

REFLECTOR
Directs light

Bulbs For Wall + Barn

WATCH THE VIDEO

FOCUS LENS
Focuses center beam

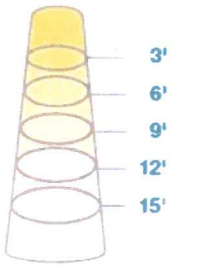
SHAPING LENS
Refines beam pattern

PAR30SN 11W DIM. TITANIUM CRI^{SP} LED SERIES 4.0

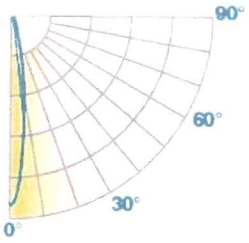
GREENCREATIVE

ILLUMINANCE & CANDELA DISTRIBUTION

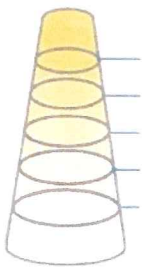
14PAR30SNG4DIM/930SP15



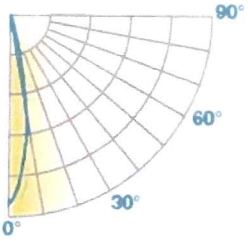
Degrees	Candela
0	6200
5	3780
15	928
25	197
35	81
45	46



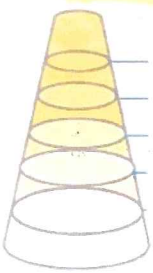
11PAR30SNG4DIM/930NF25



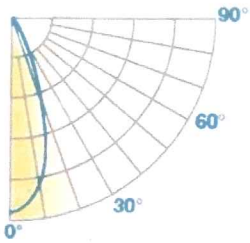
Degrees	Candela
0	2916
5	2506
15	994
25	209
35	59
45	35



11PAR30SNG4DIM/930FL40



Degrees	Candela
0	1450
5	1406
15	988
25	346
35	95
45	45



For other CCT use the following multipliers: 2700K .95 4000K 1.08

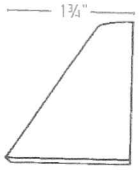
Base:	E26
Voltage:	120V
Dimmable:	Yes***
PF:	0.9
Lifetime:	40,000 hrs
Weight:	0.38lb / 172g

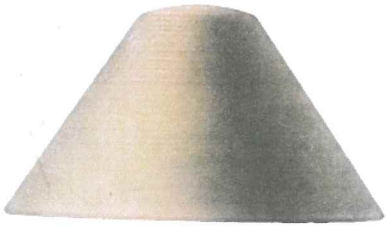
SPECIFICATIONS

Model	Product	Power (W)	CCT	CRI (typ.)	R9 / R13 (typ.)	Lumens	LPW	Beam Angle	CBCP (cd)
14PAR30SNG4DIM/927SP15	16129	14	Warm White 2700K	90	50 / 90	700	50	SP 15°	6155
11PAR30SNG4DIM/927NF25	16130	11	Warm White 2700K	90	50 / 90	705	64	NF 25°	2910
11PAR30SNG4DIM/927FL40	16131	11	Warm White 2700K	90	50 90	705	64	FL 40	1400
14PAR30SNG4DIM/930SP15	16132	14	Warm White 3000K	90	50 / 90	725	52	SP 15°	6200
11PAR30SNG4DIM/930NF25	16133	11	Warm White 3000K	90	50 90	740	67	NF 25	2910
11PAR30SNG4DIM/930FL40	16134	11	Warm White 3000K	90	50 / 90	740	67	FL 40°	1450
11PAR30SNG4DIM/940FL40	16137	11	Natural White 4000K	90	50 90	780	71	FL 40	1500
14PAR30SNG4DIM/930SP15/B •	16232	14	Warm White 3000K	90	50 / 90	725	52	SP 15°	6200
11PAR30SNG4DIM/930NF25/B •	16233	11	Warm White 3000K	90	50 90	740	67	NF 25	2910
11PAR30SNG4DIM/930FL40/B •	16234	11	Warm White 3000K	90	50 / 90	740	67	FL 40°	1450

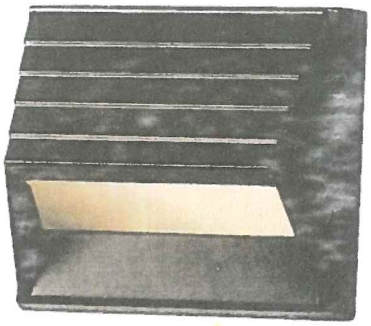
• Black finish

* Savings per lamp based on $0.11 / kw energy cost, 12 hrs / day lamp usage, $8 halogen with 1500-hr lifetime, $28 LED with 40,000-hr lifetime
** Suitable for use in totally enclosed fixtures
*** List of tested dimmer switches available on website
**** Suitable for damp locations. Not for use where directly exposed to weather or water

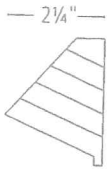




16805 MZ-LED



1524 BZ
1524 BZ-LED



1524 MW
1524 MW-LED

LED ITEM	LED ENGINE (INCLUDED)	POWER SUPPLY REQUIREMENT	INCANDESCENT EQUIVALENCY
1524 BZ-LED 1524 MW-LED	E5050LED	1.5w / 2.4VA	12w
16805 MZ-LED	E5050LED	1.5w / 2.4VA	12w

ITEM	LAMP (INCLUDED)	WATTAGE	BULB FOR LED CONVERSION (NOT INCLUDED)	FINISH	CONSTRUCTION	GLASS LENS
1524 BZ 1524 MW	906	7w	T5 LED	Bronze Matte White	Cast Aluminum	Frosted
				Matte Bronze	Cast Brass	Frosted

See pages 80-81 for LED conversion lamps. A wiring kit is supplied. For accessories, see pages 74-75. For transformers, see pages 76-77.

PHOTOMETRICS (BASED ON VARIOUS MOUNTING HEIGHTS)

DISTANCE FROM LIGHT	LED ITEM	1'	2'	3'	4'	5'	6'	7'
6" Mounting	1524 BZ-LED 1524 MW-LED	4.91	0.75	0.26	0.09	0.01		
18" Mounting		4.38	1.53	0.55	0.21	0.13	0.08	
30" Mounting		2.64	1.53	0.75	0.38	0.21	0.10	0.05
6" Mounting	16805 MZ-LED	4.40	2.48	0.68	0.10			
18" Mounting		10.84	5.10	1.64	0.22	0.13	0.04	
30" Mounting		4.83	3.42	1.93	0.81	0.25	0.12	0.09

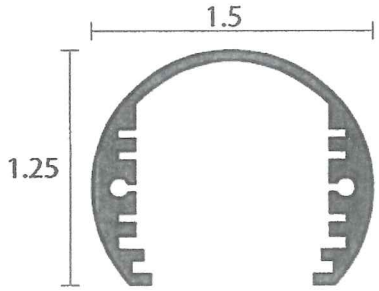
FOOT CANDLES

ITEM	1'	2'	3'	4'	5'	6'	7'
1524 BZ 1524 MW	3.93	0.60	0.20	0.07	0.01		
	3.50	1.22	0.44	0.17	0.10	0.06	
	2.11	1.22	0.60	0.30	0.17	0.08	0.04

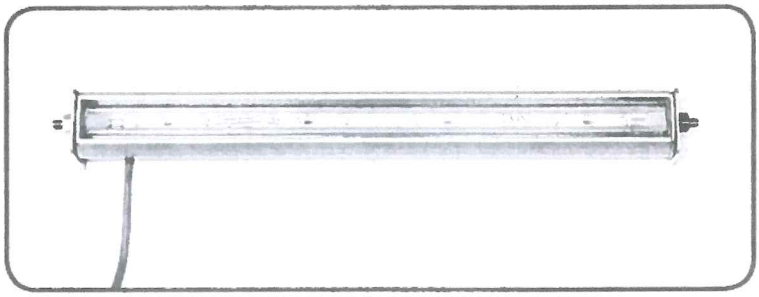
19

CENTRA CENTRA XL

LED SIGN AND WALL WASH LIGHTING



Actual Size
Fixture Rotates 360 Degrees
Set Screw Locks in Place
1.5" Diameter Extruded Aluminum



Centra and CentraXL fixtures come with a 6 year limited warranty.

CSL

Centra Standard, 6 Watts per ft.
15V DC

Model	Length	Load (Watts)	Source Lumens
CSL-1	12"	6	320
CSL-2	24"	12	640
CSL-3	36"	18	960
CSL-4	48"	24	1280
CSL-5	60"	30	1600
CSL-6	72"	36	1920
CSL-7	84"	42	2240
CSL-8	96"	48	2560

Standard wire length is 4 feet.

CSXL

Centra XL, 9 Watts per ft.
24V DC

Model	Length	Load (Watts)	Source Lumens
CSXL-1	12"	9	660
CSXL-2	24"	18	1320
CSXL-3	36"	27	1980
CSXL-4	48"	36	2640
CSXL-5	60"	45	3300
CSXL-6	72"	54	3960
CSXL-7	84"	63	4620
CSXL-8	96"	72	5280

Standard wire length is 4 feet.

Maximum fixture run length (with a capable power supply) **CSL**-12ft, **CSXL**-12ft

Model	Length/ft	Light Color	Lens Cover	Type	Mounting Type	Optics (CSXL Models Only)
CSL Centra Standard 15V DC **CSXL** Centra XL 24V DC	1 2 3 4 5 6 7 8	**30** 3000K Warm White **35** 3500K Neutral White	**C** Clear **DIFW** White Diffuser	**INT** Interior Dry location **EXT** Exterior Damp location	**HM** Hollaender Mount Wire Exit at End **FM** Flush Mount Wire Exit at Rear **SM** Suspended Mount Wire Exit at Rear	**NO** No optic **RS** 16 Degree Spot **M** 26 Degree Medium **W** 42 Degree Wide **O** 20 x 48 Degree Wall Wash

Fixture Color:

Standard - Silver Metallic Powder Coat
Additional Colors available by special order, premium charge.

The Lighting Division
Life In LED Light

100 Boxart Street • Suite 230 • Rochester, NY 14612
585-697-0093 • Fax: 585-663-1432
thelightingdivision.com

Made In USA
of U.S. and imported parts