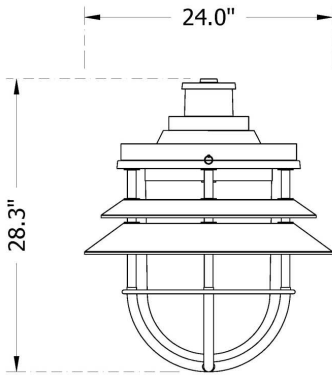


Project Name

Qty

Type

Catalog / Part Number



7 Year Warranty 7			Description The 1480LED Del Mar fixture is a nautically styled contemporary down light with impressive detail. It shall be made of cast aluminum, extruded aluminum and spun aluminum parts around a large diameter acrylic tube lens. Downward facing LED system for efficiency and performance. EPA: 1.34 (#2) WEIGHT: 38 LBS		
Mounting Configuration Wall Mount 1 Arm Mount 2 Arm Mount @ 180° 2 Arm Mount @ 90° 3 Arms @ 120° 3 Arms @ 90° 4 Arms @ 90° 1 Arm Mid-Mount 2 Arm Mid-Mount @ 180° Stem Hung Chain Hung Catenary			Features Mounting Configuration 1W: Wall Mount 1A: 1 Arm Mount 2A: 2 Arm Mount @ 180° 2A90: 2 Arm Mount @ 90° 3A: 3 Arms @ 120° 3A90: 3 Arms @ 90° 4A: 4 Arms @ 90° 1AM: 1 Arm Mid-Mount 2AM: 2 Arm Mid-Mount @ 180° SH44: Stem Hung CH44: Chain Hung CAT: Catenary Optional Control Receptacle R7: 7-Pin control receptacle only Optional Control PE: Twist-Lock Photocontrol (120V-277V) PE4: Twist-Lock Photocontrol (347V-480V) SC: Shorting Cap PEC: Electronic Button Photocontrol (120V-277V) PEC4: Electronic Button Photocontrol (480V) Optional Fuse FHD: Double Fuse and Holder Optional Hangstraight HSHS: Standard Horizontal Hangstraight, Spike Finial HSHN: Standard Horizontal Hangstraight, No Finial HSHB: Standard Horizontal Hangstraight, Ball Finial EZ: Vertical Hangstraight, Large, "EZ" Mount Optional House Side Shield HSS: 120° House Side Shield		

Finish



Black
Textured



White
Textured



Park
Green
Textured



Arch Med
Bronze Tex



Dark
Bronze
Textured



Verde
Green



Swedish
Iron



Old World
Gray Tex



Old Iron



Rust



Weathered
Brown



Cedar



Weathered
Black



Two Tone



Custom
Match

CCT - Color Temp (K)



2,700K



3,000K



3,500K



4,000K



5,000K

Distribution Type



Type 2



Type 3



Type 4



Type 5

IP Rating



Certifications



Optional Fixed Dimming Resistor Board	FDRB: Fixed Dimming Resistor Board
---------------------------------------	------------------------------------

Physical

Fixture	1480LED: Del Mar
Lens	A: Clear Acrylic FA: Frosted Acrylic
Finish	BKT: Black Textured WHT: White Textured PGT: Park Green Textured ABZT: Arch Med Bronze Tex DBT: Dark Bronze Textured CM: Custom Match OI: Old Iron RT: Rust WBR: Weathered Brown CD: Cedar WBK: Weathered Black TT: Two Tone VG: Verde Green SI: Swedish Iron OWGT: Old World Gray Tex

Light Source

LED	1L: 1 LED
CCT - Color Temp (K)	27: 2,700K 30: 3,000K 35: 3,500K 40: 4,000K 50: 5,000K

Distribution Type	T2: Type 2 T3: Type 3 T4: Type 4 T5: Type 5
-------------------	--

Electrical and control

Driver	MDL07: 120V-277V, 700mA MDH07: 347V-480V, 700mA MDL10: 120V-277V, 1050mA MDH10: 347V-480V, 1050mA
--------	--

How to Order

Mounting Configuration	Overall Drop Length (In Inches) ⁽³⁾ ⁽⁴⁾	Fixture	LED	CCT - Color Temp (K)	Distribution Type	Driver	Lens
1W Wall Mount 1A 1 Arm Mount 2A 2 Arm Mount @ 180° 2A90 2 Arm Mount @ 90° 3A 3 Arms @ 120° ⁽¹⁾ 3A90 3 Arms @ 90° 4A 4 Arms @ 90° 1AM 1 Arm Mid-Mount 2AM 2 Arm Mid-Mount @180° SH44 Stem Hung CH44 Chain Hung CAT Catenary ⁽²⁾		1480LED Del Mar	1L 1 LED	27 2,700K 30 3,000K 35 3,500K 40 4,000K 50 5,000K	T2 Type 2 T3 Type 3 T4 Type 4 T5 Type 5	MDL07 120V-277V, 700mA MDH07 347V-480V, 700mA MDL10 120V-277V, 1050mA MDH10 347V-480V, 1050mA	A Clear Acrylic FA Frosted Acrylic

Notes:

1. Only available with a round profile pole.
2. Requires EZ hang-straight.

3. Minimum 35" Overall Drop Length.
4. Required field for Stem or Chain Mounting Configuration.

How to Order

Optional Control Receptacle ⁽⁵⁾ ⁽⁶⁾	Optional Control	Optional Fuse ⁽¹⁰⁾	Optional Hangstraight	Optional House Side Shield ⁽¹¹⁾	Optional Fixed Dimming Resistor Board ⁽⁹⁾	Finish
R7 7-Pin control receptacle only	PE Twist-Lock Photocontrol (120V-277V) ⁽⁷⁾ PE4 Twist-Lock Photocontrol (347V-480V) ⁽⁷⁾ SC Shorting Cap ⁽⁷⁾ PEC Electronic Button Photocontrol (120V-277V) ⁽⁸⁾ ⁽⁹⁾ PEC4 Electronic Button Photocontrol (480V) ⁽⁸⁾ ⁽⁹⁾	FHD Double Fuse and Holder	SHS Standard Horizontal Hangstraight, Spike Finial SHN Standard Horizontal Hangstraight, No Finial SHB Standard Horizontal Hangstraight, Ball Finial EZ Vertical Hangstraight, Large, "EZ" Mount ⁽⁹⁾	HSS 120° House Side Shield	FDRB Fixed Dimming Resistor Board	BKT Black Textured ⁽¹²⁾ WHT White Textured ⁽¹²⁾ PGT Park Green Textured ⁽¹²⁾ ABZT Arch Med Bronze Tex ⁽¹²⁾ DBT Dark Bronze Textured ⁽¹²⁾ CM Custom Match ⁽¹³⁾ OI Old Iron ⁽¹³⁾ RT Rust ⁽¹³⁾ WBR Weathered Brown ⁽¹³⁾ CD Cedar ⁽¹³⁾ WBK Weathered Black ⁽¹³⁾ TT Two Tone ⁽¹³⁾ VG Verde Green SI Swedish Iron OWGT Old World Gray Tex

Notes:

5. Not for use with FDRB.

6. Only available with HORIZONTAL hangstraight.

7. Requires control receptacle.

8. Only for use with CAT mounting configuration

9. Not for use with R7.

10. Ships loose for installation in base.

11. Not for use with TS optic.

12. Smooth finishes are available upon request.

13. Custom colors require upcharge.

Specifications

Housing	The housing is constructed utilizing precision cast aluminum parts.
Hang-Straight	A hang-straight transition is required for most hanging mounting configurations. The Standard (HSX) is an aluminum ball and swivel horizontal hang-straight. Available with a spike (S), a ball (B), or no finial (N). The hang-straight slips a 4" long by 2-3/8" OD horizontal tenon. The (EZ) is a cast stainless steel ball and swivel vertical hang-straight. The special 2-part design allows for easy installation. It is factory installed under an arm and on the fixture.
Catenary Mount	The Catenary mount option includes a cast aluminum span wire clamp, which accommodates cables 1/4"-5/8" in diameter. Below the clamp is a decorative cast aluminum wire box and cover which transitions to the EZ vertical Hangstraight for fixture attachment. Aircraft Cable by others.
Hardware	Includes Stainless steel hardware. Most finishes will include hardware with a Black Oxide conversion coating. Light finishes will get non-color coated hardware (Whites and Silvers)
Lens	Includes an impact resistant injection molded acrylic teardrop lens. Offered in Clear (A) or fully frosted (FA).
Serviceability	Easy access to service the lens in the field.
UL Listing	UL listed per UL1598 and CSA C22.2 No. 250.0 for the United States and Canada. Suitable for Wet Locations.
Electronic Driver	The LED driver is UL recognized and will be securely mounted inside the fixture, for optimized performance and longevity. It will be supplied with a quick-disconnect electrical connector on the power supply, providing easy power connections for fixture installation and maintenance. It will have DC voltage output and be a constant current design. It runs at 50/60HZ and will have overload, overheat, and short circuit protection. It will be supplied with a supplemental line-ground, line-neutral and neutral-ground electrical surge protection in accordance with IEEE/ANSI C62.41.2 guidelines. It will be a high efficiency driver with a THD less than 20% and a high-power factor greater than .9. It will be dimming capable using a 0-10V signal, consult factory for more information.
IP Rating	IP65 rated luminaire for enhanced protection against dust and water intrusion.
Finish	Our 6 Stage Polyester Powder coat paint system offers a beautiful high-end finish that holds up to even the most extreme environments. Each part is inspected for quality and consistency before being released for shipment. Our system exceeds AAMA 2604, AAMA 2605, ASTM D523 and ASTM D4214 requirements.
Traditional Finish	Traditional paint finishes are available in Sternberg Lighting's Traditional product line. A range of colors help accent the decorative elements on the product. Finishes are available in textured or smooth. Available finishes include: Black, White, Park Green, Architectural Medium Bronze and Dark Bronze
Sternberg Select Finish	The Sternberg Select antique-inspired palette adds a touch of vintage elegance to modern applications. Old World Gray Textured is a 1 part powder coat with metallic flakes. Verde Green and Swedish Iron is a 2 part finish that includes a powder coat base coat with a hand applied antique top coat. The top coat is unique to each application and changes over time.
Custom Finish	Custom finishes are offered to adapt to any application. Rust, Weathered Brown and Cedar are special 1 part powder coat finishes with a distinctive look. Old Iron and Weathered Black are 2 part finishes that includes a powder coat base coat with a hand applied antique top coat. The top coat is unique to each application and changes over time. Two-Tone and Custom Match options are available to blend Sternberg product with the site, consult factory for more information.
Warranty	7-year limited warranty. See Website for Terms and Conditions.

LEDs	The LEDs are mounted to maximize thermal transfer to the heat sink surface. The LEDs shall be 100% recyclable; not contain lead, mercury or any other hazardous substances and shall be RoHS compliant. Lumen maintenance shall be determined in accordance with IESNA TM-21, based on LED manufacturer LM-80 test data of no less than 6,000 hours and in-situ testing of the luminaire by an NVLAP accredited Energy Efficient Lighting Products lab. The high-performance white LEDs will have a predicted lumen depreciation of approximately 100,000 hours with greater than 70% of initial output at 25°C. The high brightness, high-output white LEDs shall be 4000K nominal (2700K, 3000K, 3500K or 5000K optional) correlated color temperature (CCT) with a 70 (minimum) color rendering index (CRI). Consult factory for custom CCT or CRI. The luminaire shall have a minimum _____ (see table) delivered initial lumens when operated at steady state with an average ambient temperature of 25°C (77°F). CCT Lumen Derate Values from 4,000K 2,700K (70+ CRI)= .92 3,000K (70+ CRI)= .95 3,500K (70+ CRI)= 1.03 5,000K (70+ CRI)= 1.00
Optics	The luminaire shall be provided with individual, refractor type optics applied to each LED. The luminaire shall provide Type ____ (2, 3, 4 or 5) light distribution per the IESNA classifications. Testing shall be done in accordance with IESNA LM-79.
Backlight Optical Control	An optional "panel style" House Side Shield helps control backlight. A flat aluminum panel painted to match fixture replaces the lens on the house side.
Fixed Dimming Resistor Board (FDRB)	Optional numbered 10-step selector switch allows for fine adjustment of the light levels in the field, repeatable from location to location. Offers dimming from 25% to 100% of the original output. Enclosure is composite material, sealed to protect components for the life of the product.
Photocontrols	Twist-Lock Style (Hangstraight Mount): The photocontrol shall be mounted externally on the hangstraight and pre-wired to driver. The twist lock type photocontrol is instant on with a 3-6 second turn off, and shall turn on at 1.5 footcandles with a turn-off at 2-3 footcandles. If an R7 is specified alongside a BALL or SPIKE style finial on hang-straight, a decorative cap (with window) is included to cover a STANDARD photocell. Use the NO FINIAL hangstraight option if the R7 is used with a WIRELESS CONTROLLER. Button Photocell: The photocontrol shall be mounted on the "Catenary Box" and pre-wired to driver. The electronic button type photocontrol is instant on with a 5-10 second turn off, and shall turn on at 1.5 footcandles with a turn-off at 2-3 footcandles. See pole spec sheet for pole mounted version.

Lumen Chart(s)

Tested with A lens

Model #	T2 DELIVERED LUMENS	BUG	EFFICACY (LPW)	T3 DELIVERED LUMENS	BUG	EFFICACY (LPW)	T4 DELIVERED LUMENS	BUG	EFFICACY (LPW)	T5 DELIVERED LUMENS	BUG	EFFICACY (LPW)	WATTAGE
1L-40-T_-MDL10	6040	B2U3G2	100.7	6195	B2U3G2	103.3	6215	B2U2G1	103.6	6635	B3U2G1	110.6	60
1L-30-T_-MDL10	5885	B2U3G2	98.1	6035	B2U3G2	100.6	6055	B2U2G1	100.9	6465	B3U2G1	107.8	60
1L-27-T_-MDL10	5350	B2U3G2	89.2	5485	B2U3G2	91.4	5500	B2U2G1	91.7	5875	B3U2G1	97.9	60
1L-40-T_-MDL07	4310	B1U2G1	107.8	4435	B2U2G2	110.9	4425	B1U2G1	110.6	4670	B2U2G1	116.8	40
1L-30-T_-MDL07	4200	B1U2G1	105.0	4320	B2U2G2	108.0	4310	B1U2G1	107.8	4550	B2U2G1	113.8	40
1L-27-T_-MDL07	3815	B1U2G1	95.4	3925	B2U2G2	98.1	3920	B1U2G1	98.0	4135	B2U2G1	103.4	40

Hangstraight

Horizontal Hang-straight's slip fit 4" long by 2-3/8" OD horizontal tenon



Standard Horizontal Hangstraight, Spike Finial (HSHS)



Standard Horizontal Hangstraight, Ball Finial (HSHB)



Standard Horizontal Hangstraight, No Finial (HSHN)

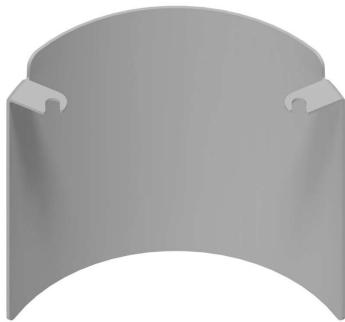


"EZ" Vertical hangstraight (EZ)

Options



Fixed Dimming Resistor Board (FDRB)



House Side Shield (HSS)

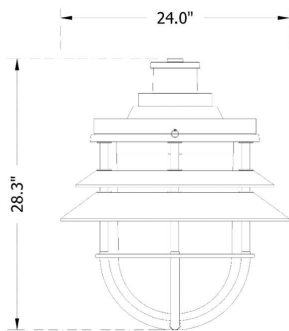


Double Fuse Holder & (2) 3A Fuses (FHD)

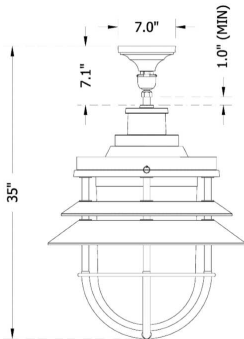


NEMA Receptacle Shorting Cap (SC)

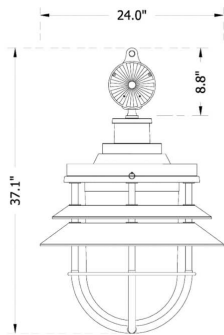
Dimensions



Del Mar, Hanging (1480LED)



Stem Hung/Chain Hung (SH44/CH44)



Catenary Mount (CAT)

