

STATE OF CALIFORNIA		CALIFORNIA ENERGY COMMISSION	
Outdoor Lighting		NRCC-LTO-E	
NRCC-LTO-E		NRCC-LTO-E	
Project Name:		Barstow Parking Lot	
Project Address:		1161 West Main Street	
Report Page:		(Page 1 of 8)	
Date Prepared:		3/23/2021	

A. GENERAL INFORMATION			
01	Project Location (city)	Barstow	
02	Climate Zone	8	
03	Outdoor Lighting Zone per Title 24 Part 1 §10.114 or as designated by Authority Having Jurisdiction (AHJ):		
<input type="checkbox"/>	LZ-0: Very Low - Undeveloped Parkland	<input type="checkbox"/>	LZ-2: Moderate - Rural Areas
<input type="checkbox"/>	LZ-1: Low - Developed Parkland	<input checked="" type="checkbox"/>	LZ-3: Moderately High - Urban Areas
<input type="checkbox"/>	<input type="checkbox"/> LZ-4: High - Must be reviewed by CA Energy Commission for Approval		

B. PROJECT SCOPE			
This table includes outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.7 or §141.0(b)(2) for alterations.			
My Project Consists of:			
01		02	
<input checked="" type="checkbox"/>	New Lighting System	Must Comply with Allowances from §140.7	
<input type="checkbox"/>	Altered Lighting System	Is your alteration increasing the connected lighting load (Watts)?	
		<input type="radio"/> Yes <input checked="" type="radio"/> No	
03		04	05
% of Existing Luminaires Being Altered ¹		Calculation Method	
<input type="checkbox"/>	< 10%	<input type="checkbox"/>	>= 10% and < 50%
<input type="checkbox"/>	>= 50%		

Please proceed to **Table F. Outdoor Lighting Fixture Schedule to define the project's luminaires.**

¹ FOOTNOTES: % of Existing Luminaires Being Altered = (Sum Total of Luminaires Being Added or Altered / Existing Luminaires within the Scope of the Permit Application) x 100.

Registration Number:	Registration Date/Time:	Registration Provider: Energysoft
CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance	Report Version: 2019.0.001 Schema Version: rev 20190401	Report Generated: 2021-03-23 09:17:30

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

NRCC LIT-E
NRCC-LIT-E-06

CERTIFICATE OF COMPLIANCE

Project Name: Barstow Parking Lot
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F. OUTDOOR LIGHTING FIXTURE SCHEDULE

For new or altered lighting systems demonstrating compliance with [§140.7](#), all new luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application are included in the Table below. For altered lighting systems using the Existing Power method per [§141.0\(b\)\(2\)](#), only new luminaires being installed and replacement luminaires being installed as part of the project scope are included (i.e. existing luminaires remaining or existing luminaires being moved are not included).

Designed Wattage:

01	02	03	04	05	06	07	08	09	10
Name or Item Tag	Complete Luminaire Description	Watts per luminaire ^{1, 2}	How is Wattage determined	Total number luminaires ²	Luminaire Status ³	Excluded per §140.7(a)	Design Watts	Cutoff Req. > 6,200 initial lumen output §130.2(b)	Field Inspector Pass Fail
F1	F1 <input type="checkbox"/> Linear	53	Mfr. Spec	9	New	<input type="checkbox"/>	477	Yes	<input type="checkbox"/> <input type="checkbox"/>
F2	F2 <input type="checkbox"/> Linear	106	Mfr. Spec	2	New	<input type="checkbox"/>	212	Yes	<input type="checkbox"/> <input type="checkbox"/>
Total Design Watts:							689		

* NOTES: Selections with a * require a note in the space below explaining how compliance is achieved.
 EX: Luminaire is lighting a statue; EXCEPTION 2 to [§130.2\(b\)](#)

¹ FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per [§130.2\(c\)](#)
² For linear luminaires, wattage should be indicated as W/lf instead of Watts/luminaire. Total linear feet should be indicated in column 05 instead of number of luminaires.
³ Select "New" for new luminaires in a new outdoor lighting system or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing to remain" for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing Reinstalled" for existing luminaires which are being removed and reinstalled as part of the project scope.
⁴ Compliance with mandatory cutoff requirements is required for luminaires with initial lumen output >= 6,200 unless exempted by [§130.2\(b\)](#)

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C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through I. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.

Calculations of Total Allowed Lighting Power (Watts) §140.7 or §141.0(b)(2)										Compliance Results	
01	02	03	04	05	06	07	08	09			
General Handicap Allowance §140.7(d)(1) (See Table I)	Per Application §140.7(d)(2) (See Table J)	Sales Frontage §140.7(d)(2) (See Table K)	Ornamental §140.7(d)(2) (See Table L)	Per Specific Area §140.7(d)(2) (See Table M)	Existing Power Allowance §141.0(b)(2) (See Table N)	Total Allowed (Watts)	Total Actual (Watts)	07 must be >= 08			
1,016.08	---	---	---	---	OR	1,016.08	689	COMPLIES			
Cutoff Compliance (See Table G for Details)										COMPLIES	
Controls Compliance (See Table H for Details)										COMPLIES	

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

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G. CUTOFF REQUIREMENTS (BUG)

This table includes fixtures of >=6,200 initial lumens indicated on Table F as needing to comply with Cutoff Requirements. Maximum lumens can be found in Title 24, Part 11, Section 5.106.8.


01	02	03	04	05	06	07	08	09	10	11	12	
True		Backlight Rating ²			Uplight Rating ²		Glare Rating (Lumens) ²			Field Inspector		
Name or Item Tag	Complete Luminaire Description	Mounting Height ¹	Max Allowable Backlight Rating ³	Backlight Rating Per Design	Lighting type	Max Allowable Uplight Rating ³	Uplight Rating Per Design	Mounting Height ¹	Max Allowable Glare Rating ³	Glare Rating Per Design	Pass	Fail
F1	F1	Back hemisphere 0.5 MH from prop line	B1	B0	All other outdoor lighting, including decorative	U3	U0	Back hemisphere 0.5 MH from prop line	G0	G0	<input type="checkbox"/>	<input type="checkbox"/>
F2	F2	Back hemisphere 0.5 MH from prop line	B1	B0	All other outdoor lighting, including decorative	U3	U0	Back hemisphere 0.5 MH from prop line	G0	G0	<input type="checkbox"/>	<input type="checkbox"/>

¹FOOTNOTES: Mounting Height is labeled MH in this table.

² Authority Having Jurisdiction may ask for Luminaire cut sheets or other documentation to confirm luminaire type, uplight ratings and glare ratings used for compliance per §130.2(b).

³ BUG ratings with a lower number than the 'Max Allowable' are compliant. Ex. If Max Allowable is Bug Rating B4, then B0, B1, B2 and B3 are all compliant.

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 <p>811 DIAL TOLL FREE 8 1 1 AT LEAST TWO DAYS BEFORE YOU DIG</p> <p>Know what's below. Call before you dig.</p> <p>UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA</p>	<p><u>BENCHMARK:</u></p>	<p><u>PREPARED BY:</u></p> <div style="background-color: #003366; color: white; padding: 5px; text-align: center; font-weight: bold; font-size: 1.2em;">Michael Baker</div> <p>I N T E R N A T I O N A L</p> <p>5 HUTTON CENTRE DR. SUITE 500 SANTA ANA, CA 92707 PHONE: (949) 472-3505 MBAKERINTL.COM</p>	<p style="transform: rotate(-45deg); font-weight: bold;">4/6/2021 BID SET</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">MARK</th> <th style="width: 45%;">REVISIONS</th> <th style="width: 10%;">APPR</th> <th style="width: 40%;">DATE</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	MARK	REVISIONS	APPR	DATE																																									<p>COUNTY OF SAN BERNARDINO REAL ESTATE SERVICES DEPARTMENT - PROJECT MANAGEMENT DIVISION</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center; padding: 5px;">TITLE 24 CALCULATIONS</td> </tr> <tr> <td colspan="2" style="text-align: center; padding: 5px;">BARSTOW PARKING LOT PROJECT # 10.10.1133</td> </tr> <tr> <td colspan="2" style="text-align: center; padding: 5px;">COUNTY OF SAN BERNARDINO</td> </tr> </table>	TITLE 24 CALCULATIONS		BARSTOW PARKING LOT PROJECT # 10.10.1133		COUNTY OF SAN BERNARDINO		<p>ROAD NO.</p> <hr/> <p>FILE NO.</p> <hr/> <p>SHEET E3.1</p>
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