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|-----------------------------------|----------------|----------------------|
| CERTIFICATE OF COMPLIANCE | | NRCC-LTI-04-E |
| Indoor Lighting – Tailored Method | | (Page 1 of 7) |
| Project Name: | Date Prepared: | |

Complete separate documents for Conditioned and Unconditioned Spaces.
 This page is used to document: CONDITIONED SPACES UNCONDITIONED SPACES

| A. TAILORED METHOD LIGHTING POWER ALLOWANCE SUMMARY | | | | | | | |
|---|---|---|---|---|---|----|--|
| 01 General lighting power (Building Total from Section B of NRCC-LTI-04-E) | | | | | | 01 | |
| 02 General lighting power special function areas (Building Total from Section C of NRCC-LTI-04-E) | | | | | | 02 | |
| 03 Additional “use it or lose it” lighting power (Watts listed in each of these cells shall be identical to total allowed watts determined in Section D of NRCC-LTI-04-E. | | | | | | | |
| Wall Display from Section D-1 | | Combined Floor Display and Task Lighting from Section D-2 | | Combined Ornamental and Special Effects Lighting from Section D-3 | | | Very Valuable Merchandise from Section D-4 |
| | + | | + | | + | | = |
| 04 Total Allowed Watts using Tailored Method (add lines 1, 2 and 3) | | | | | | 03 | |
| | | | | | | 04 | |

| B. TAILORED METHOD ALLOWED GENERAL LIGHTING POWER FROM TABLE 140.6-D | | | | | | |
|---|-----------------------|-------------------------|-------------------|-------------|------------|---|
| 01 | 02 | 03 | 04 | 05 | 06 | 07 |
| ROOM NUMBER | PRIMARY FUNCTION AREA | ILLUMINANCE VALUE (LUX) | ROOM CAVITY RATIO | ALLOWED LPD | FLOOR AREA | ALLOWED WATTS (B05 x B06) |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | PAGE TOTAL | |
| | | | | | | If multiple pages are used, enter building total here |

| C. TAILORED METHOD ALLOWED GENERAL LIGHTING POWER FOR SPECIAL FUNCTION AREAS ACCORDING TO § 140.6(c)3H | | | | | | |
|---|-----------------------|-------------------------|-------------------|-------------|------------|---|
| <input type="checkbox"/> This section shall be used to determine allowed general lighting power ONLY for the following primary function areas: Exercise Center, Gymnasium; Medical and Clinical Care; Police Stations and Fire Stations; Public rest areas along state and federal roadways; other primary function areas that are listed in neither Table 140.6-C nor Table 140.6-D | | | | | | |
| 01 | 02 | 03 | 04 | 05 | 06 | 07 |
| ROOM NUMBER | PRIMARY FUNCTION AREA | ILLUMINANCE VALUE (LUX) | ROOM CAVITY RATIO | ALLOWED LPD | FLOOR AREA | ALLOWED WATTS (C05 x C06) |
| | | | | | | |
| | | | | | | |
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| | | | | | PAGE TOTAL | |
| | | | | | | If multiple pages are used, enter building total here |



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D. TAILORED METHOD ADDITIONAL “USE IT OR LOSE IT” LIGHTING POWER ALLOWANCES

- Use this section to document and calculate additional lighting power for wall display, floor display, task, ornamental, special effects, or very valuable display case lighting.
- The additional lighting power allowance shall be the smaller of the allowed lighting power or the actual lighting power used.
- These additional lighting power allowances shall not be available when using §140.6(c)3H to determine the general lighting power allowance, when using the Complete Building Method, or for any areas using the Area Category Method.

D-1. ADDITIONAL ALLOWED LIGHTING POWER FOR WALL DISPLAY LIGHTING

- Floor displays shall not qualify for the wall display lighting power allowance.
- Qualifying wall lighting complies with the applicable requirements in §140.6(c)3I.

| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | |
|---|--------------------------------------|---------------------------------|--------------------------|---------------------------------------|-----------------|------------------------|---------------------|--------------|-----------------------------|-------------------------------------|--|
| Primary Function Area | ALLOTTED WATTS | | | DESIGN WATTS | | | | | | Allowed Watts (smaller of 04 or 10) | |
| | Wall Display Length in (Linear Feet) | Wall Display Power (W/lin foot) | Allotted Watts (02 x 03) | Luminaire Code | Mounting Height | Mounting Height Factor | Watts per Luminaire | # Luminaires | Design Watts (07 x 08 x 09) | | |
| | | | | | < 12 feet | 1.00 | | | | | |
| | | | | | 12 feet to | 0.87 | | | | | |
| | | | | | ≥ 16 feet | 0.77 | | | | | |
| | | | | Total for this Primary Function Area: | | | | | | | |
| | | | | | < 12 feet | 1.00 | | | | | |
| | | | | | 12 feet to | 0.87 | | | | | |
| | | | | | ≥ 16 feet | 0.77 | | | | | |
| | | | | Total for this Primary Function Area: | | | | | | | |
| | | | | | < 12 feet | 1.00 | | | | | |
| | | | | | 12 feet to | 0.87 | | | | | |
| | | | | | ≥ 16 feet | 0.77 | | | | | |
| | | | | Total for this Primary Function Area: | | | | | | | |
| | | | | | < 12 feet | 1.00 | | | | | |
| | | | | | 12 feet to | 0.87 | | | | | |
| | | | | | ≥ 16 feet | 0.77 | | | | | |
| | | | | Total for this Primary Function Area: | | | | | | | |
| Sum total power for wall display lighting for all function areas: | | | | | | | | | | | |



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D-2. ADDITIONAL ALLOWED LIGHTING POWER FOR COMBINED FLOOR DISPLAY AND TASK LIGHTING

- Displays that are installed against a wall shall not qualify for the floor display lighting power allowances.
- Lighting internal to display cases shall be counted EITHER as floor display lighting in accordance with §140.6(c)3J; or as very valuable display case lighting in accordance with §140.6(c)3Liii and iv.
- Additional allowed power for floor display lighting, and additional allowed power for task lighting, may be used by qualifying floor display lighting systems, qualifying task lighting systems, or a combination of both. For floor areas qualifying for both floor display and task lighting power allowances, the additional allowed power shall be used only once for the same floor area, so that the allowance shall not be additive.
- Qualifying floor display lighting complies with the applicable provision in §140.6(c)3J(v and vi).
- Additional allowed power for a combination of floor display lighting and task lighting shall be available only for (I) floors having floor displays; or (II) floors not having floor displays but having tasks having illuminance recommendations that appear in the Tenth Edition of the IES Lighting Handbook and that are higher than the general lighting level in column 2 of TABLE 140.6-D. The square footage of floor display or the square footage of task areas shall be determined in accordance with §140.6(c)3C and D, except that any floor area designed to not have floor displays or tasks, such as floor areas designated as a path of egress, shall not be included for the floor display allowance.

| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | |
|---|---------------------|-------------------------------------|--------------------------|----------------|---------------------------------------|------------------------|---------------------|--------------|-----------------------------|--|--|
| Primary Function Area | ALLOTTED WATTS | | | DESIGN WATTS | | | | | | Allowed Watts (smaller of 04 or 10) | |
| | Square Feet of Area | Lighting Power (W/ft ²) | Allotted Watts (02 x 03) | Luminaire Code | Mounting Height | Mounting Height Factor | Watts per Luminaire | # Luminaires | Design Watts (07 x 08 x 09) | | |
| | | | | | < 12 feet | 1.00 | | | | | |
| | | | | | 12 feet to | 0.87 | | | | | |
| | | | | | ≥ 16 feet | 0.77 | | | | | |
| | | | | | Total for this Primary Function Area: | | | | | | |
| | | | | | < 12 feet | 1.00 | | | | | |
| | | | | | 12 feet to | 0.87 | | | | | |
| | | | | | ≥ 16 feet or higher | 0.77 | | | | | |
| | | | | | Total for this Primary Function Area: | | | | | | |
| | | | | | < 12 feet | 1.00 | | | | | |
| | | | | | 12 feet to | 0.87 | | | | | |
| | | | | | ≥ 16 feet or higher | 0.77 | | | | | |
| | | | | | Total for this Primary Function Area: | | | | | | |
| Sum total power for combined floor display and task lighting: | | | | | | | | | | | |



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D-3. ADDITIONAL ALLOWED LIGHTING POWER FOR COMBINED ORNAMENTAL AND SPECIAL EFFECTS

- Qualifying ornamental lighting includes luminaires such as chandeliers, sconces, lanterns, neon and cold cathode, light emitting diodes, theatrical projectors, moving lights, and light color panels when any of those lights are used in a decorative manner that does not serve as display lighting or general lighting.
- Special effects lighting is defined as lighting installed to give off luminance instead of providing illuminance.
- There is no mounting height multiplier for ornamental or special effects lighting
- Additional allowed power for ornamental and special effects lighting may be used only for qualifying lighting systems. For floor areas qualifying for both ornamental and special effects lighting power allowances, the additional allowed power shall be used only once for the same floor area, so that the allowance shall not be additive.

| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 |
|--|---------------------|-------------------------------------|--------------------------|---|---------------------|--------------|------------------------|---|
| Primary Function Area | ALLOTTED WATTS | | | DESIGN WATTS | | | | Allowed Watts (smaller of 04 or Total for 08) |
| | Square Feet of Area | Lighting Power (W/ft ²) | Allotted Watts (02 x 03) | Luminaire Code or Description (rows below accommodate 3 layers per function area) | Watts per Luminaire | # Luminaires | Design Watts (06 X 07) | |
| | | | | 1 | | | | |
| | | | | 2 | | | | |
| | | | | 3 | | | | |
| | | | | Total ornamental/special effects lighting for this primary function area: | | | | |
| | | | | 1 | | | | |
| | | | | 2 | | | | |
| | | | | 3 | | | | |
| | | | | Total ornamental/special effects lighting for this primary function area: | | | | |
| | | | | 1 | | | | |
| | | | | 2 | | | | |
| | | | | 3 | | | | |
| | | | | Total ornamental/special effects lighting for this primary function area: | | | | |
| | | | | 1 | | | | |
| | | | | 2 | | | | |
| | | | | 3 | | | | |
| | | | | Total ornamental/special effects lighting for this primary function area: | | | | |
| Sum total allowed watts for ornamental and special effects lighting: | | | | | | | | |



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D-4. ADDITIONAL ALLOWED LIGHTING POWER FOR VERY VALUABLE DISPLAY CASE LIGHTING

- Lighting internal to display cases shall be counted EITHER as floor display lighting in accordance with §140.6(c)3J; or if qualifying, as very valuable display case lighting in accordance with §140.6(c)3Liii and iv.
- Case lighting is lighting of small art objects, artifacts, or valuable collections which involves customer inspection of very fine detail from outside of a glass enclosed display case.
- To qualify for this allowance, case shall contain jewelry, coins, fine china, fine crystal, precious stones, silver, small art objects or artifacts, and/or valuable collections the display of which involves customer inspection of very fine detail from outside of a locked case.
- This allowance is available only for display cases in retail merchandise sales, museum, and religious worship areas.
- Any floor area designed to not have very valuable display case lighting shall not be included for this allowance.
- A mounting height multiplier is not available.

| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 |
|--|-----------------------------|--|---------------------------|--------------------------|---|------------------------------|--------------------------|------------------------|---|
| Primary Function Area | Description of Display Case | WATTS PER SQUARE FOOT OF QUALIFYING FLOOR AREA | | | WATTS PER SQUARE FOOT OF QUALIFYING DISPLAY CASE AREA | | | ACTUAL INSTALLED WATTS | ALLOWED WATTS (SMALLEST OF 05, 08, or 09) |
| | | Square Feet of Floor Area | Allowed W/ft ² | Allotted Watts (03 x 04) | Square Feet of Display Case | Allowed (W/ft ²) | Allotted Watts (06 x 07) | | |
| | | | 0.8 | | | 12.0 | | | |
| | | | 0.8 | | | 12.0 | | | |
| | | | 0.8 | | | 12.0 | | | |
| | | | 0.8 | | | 12.0 | | | |
| | | | 0.8 | | | 12.0 | | | |
| | | | 0.8 | | | 12.0 | | | |
| | | | 0.8 | | | 12.0 | | | |
| | | | 0.8 | | | 12.0 | | | |
| | | | 0.8 | | | 12.0 | | | |
| | | | 0.8 | | | 12.0 | | | |
| Sum total allowed watts for very valuable display case lighting: | | | | | | | | | |



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| | |
|--|---|
| DOCUMENTATION AUTHOR'S DECLARATION STATEMENT | |
| 1. I certify that this Certificate of Compliance documentation is accurate and complete. | |
| Documentation Author Name: | Documentation Author Signature: |
| Company: | Signature Date: |
| Address: | CEA Certification Identification (if applicable): |
| City/State/Zip: | Phone: |

| | |
|---|---------------------------------|
| RESPONSIBLE PERSON'S DECLARATION STATEMENT | |
| I certify the following under penalty of perjury, under the laws of the State of California: | |
| <ol style="list-style-type: none"> 1. The information provided on this Certificate of Compliance is true and correct. 2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer). 3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations. 4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application. 5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy. | |
| Responsible Designer Name: | Responsible Designer Signature: |
| Company : | Date Signed: |
| Address: | License: |
| City/State/Zip: | Phone: |

NRCC-LTI-04-E User Instructions

This certificate is required to be filled out when the Tailored Method is the method used in any area for compliance. The lighting power allowances calculated in this set of compliance documents are required to be able to complete the summary table on page 1 of NRCC-LTI-03-E.

The project name and date shall match those on NRCC-LTI-01-E.

Indicate if this page is being used to document and calculate conditioned space or unconditioned space by checking the appropriate box.

Section A. Tailored Method Lighting Power Allowance Summary

This summary table is used to summarize all of the lighting power allowances available for the areas using the Tailored Method for compliance.

The general lighting power allowances shall be calculated using Section B and/or Section C of this compliance document.

1. Complete Section B of this compliance document and enter that number in the cell to the right of row 1.
2. Complete Sections C of this compliance document and enter that number in the cell to the right of row 2.
3. Complete Sections D-1 through D-4 of this compliance document and enter those numbers into the respective cells in row 3. Add the numbers from D-1 + D-2 + D-3 + D-4 and enter that number in the cell to the right of row 3.
4. Add rows 1 through 3 together and enter into the cell to the right of row 4. This is the allowed lighting power for areas using the Tailored Method. Enter this number in the summary table on page 2 of NRCC-LTI-01-E.

Section B. Tailored Method General Lighting Power from Table 140.6-D

This section is used to document and calculate the general lighting power allowance according to Table 140.6-D.

Note that, when using the Tailored Method, most of the general lighting power allowances will be determined using Section B of this compliance document.

Adjustments for mounting height above floor are not available for general lighting power.

Each separate function area shall be documented and calculated on a separate row.

1. Enter a room number, or other number, to identify the room.
2. Enter a Primary Function Area that is consistent with one of the Primary Function Areas in Table 140.6-D, as defined in §100.1(b) of the Standards.
3. Enter the LUX from column 2 of Table 140.6-D
4. The Room Cavity Ratio (RCR) must be calculated and documented on Page 6 of this compliance document (Page 6 of NRCC-LTI-04-E). Enter the RCR for this particular primary function area into this cell.
5. The allowed Lumen Power Density (LPD) shall be taken from Table 140.6-G of the Standards. Use the LUX value in B03, and the RCR in B05, to look up the allowed LPD. Enter the allowed LPD in this cell.
6. Enter the floor area of the area using the Tailored Method. Note that areas using the Area Category Method shall not be included as floor area using the Tailored Method.
7. Multiply the Allowed LPD in B05 times the Floor Area in B06 to calculate Allowed general lighting power watts for this row.

Add together all of the allowed watts in B07 and enter next to “Page Total” at the bottom of this column. If multiple pages are required to document all of the different primary function areas, enter the sum total of all of the pages at the bottom of B07. Enter that number into row 1 of section A of this compliance document.

Section C. Tailored Method General Lighting Power for Special Function Areas According to §140.6(c)3H

This section shall be used to document and calculate general lighting power **ONLY** for the following primary function areas:

- a. Exercise Center, Gymnasium
- b. Medical and Clinical Care
- c. Police Stations and Fire Stations
- d. Public rest areas along state and federal roadways
- e. Other primary function areas that are listed in neither Table 140.6-C nor Table 140.6-D

When using this method for determining general lighting power allowance, the area does not qualify for additional lighting power for wall display, floor display, task, ornamental, special effects, or very valuable display case lighting.

Adjustments for mounting height above floor are not available for general lighting power.

Each separate function area shall be documented and calculated on a separate row.

1. Enter a room number, or other number, to identify the room.
2. Enter a Primary Function Area that is only one of the following: Exercise Center; Gymnasium; Medical Care; Clinical Care; Police Station; Fire Station; Public rest areas along state and federal roadways; or other primary function areas that are listed in neither Table 140.6-C nor Table 140.6-D
3. Enter the LUX from the Tenth Edition IES Lighting Handbook, using recommended Horizontal Maintained Illuminance Targets for Observers 25-65 year old.
4. The Room Cavity Ratio (RCR) must be calculated and documented on Page 6 of this compliance document (Page 6 of the NRCC-LTI-04-E). Enter the RCR in this cell.
5. The allowed Lumen Power Density (LPD) shall be taken from Table 140.6-G of the Standards. Use the LUX value in C03, and the RCR in C04, to look up the allowed LPD. Enter the allowed LPD in this cell.
6. Enter the floor area of the area using the Tailored Method. Note that areas using the Area Category Method shall not be included as floor area using the Tailored Method.
7. Multiply the Allowed LPD in C05 times the Floor Area in C06 to calculate Allowed general lighting power watts for this row.

Add together all of the allowed watts in C07 and enter next to “Page Total” at the bottom of this column. If multiple pages are required to document all of the different primary function areas, enter the sum total of all of the pages at the bottom of C07. Enter that number into row 2 of section A of this compliance document.

Indicate if this page is being used to document and calculate conditioned or unconditioned space by checking the appropriate box.

Section D. Tailored Method “Use It or Lose It” Lighting Power Allowances

This section is used to document and calculate lighting power allowances where in addition to the general lighting power allowance determined in accordance with Section B of this compliance document.

Note that these additional allowances are not available when using §140.6(c)3 H (documented in Section C of this compliance document for determining general lighting power allowances.

Check each of the three boxes to acknowledge these requirements.

Section D-1. Tailored Method - Additional allowed lighting power for wall display lighting

Check both of the boxes to acknowledge these requirements.

1. Enter a Primary Function Area that is consistent with one of the Primary Function Areas in Table 140.6-D, as defined in §100.1(b) of the Standards.

Determine Allotted Watts:

2. Enter the length of wall displays that are within the primary function area that is using the Tailored Method for compliance.
3. Enter the allowed wall display power, determined in accordance with column 3 of Table 140.6-D of the Standards.
4. Calculate the maximum allotted watts by multiplying the wall display length in column 02 times the wall display power in column 03.

Determine Design Watts:

5. Enter the luminaire code consistent with the indoor lighting schedule in Section C of NRCC-LTI-01-E.
- 6&7. This section of the compliance document provides three separate rows to separately calculate mounting height multipliers for each respective primary function area, according to Table 140.6-E. These multipliers use the inverse of the adjustments in Table 140.6-E, and are factored against the design watts.
8. Watts per Luminaire -
 - i. On the first sub-row, enter the watts per luminaire for each luminaire mounted lower than 12 feet (from bottom of luminaire to the floor). Note that luminaire classification and watts shall be determined in accordance with §130.0(c).
 - ii. On the second sub-row, enter the watts per luminaire for each luminaire mounted at height ranging from 12 feet to 16 feet.
 - iii. On the third sub-row, enter the watts per luminaire for each luminaire mounted higher than 16 feet.
9. Number of luminaires -
 - i. On the first sub-row, enter the number of luminaires mounted lower than 12 feet (from bottom of luminaire to the floor).

- ii. On the second sub-row, enter the number of luminaires mounted at height ranging from 12 feet to 16 feet.
 - iii. On the third sub-row, enter the number of luminaires mounted higher than 16 feet.
10. For each sub-row, separately multiply the mounting height factor in column 07 times the watts per luminaire in column 08 times the number of luminaires in column 09.
Separately add the design watts for each of the three sub-rows. This is the sum total Design Watts for the Primary Function Area listed in column 01.
11. Enter the smallest of the Allotted Watts in column 04, or the Design Watts in column 10. This is the Allowed wall display Watts for the Primary Function Area listed in column A.
Add together all of the Allowed wall display watts in column 11 and enter next to “Sum Total” at the bottom of this column. If multiple pages are required to document all of the different primary function areas, enter the sum total of all of the pages at the bottom of column 11. Also, enter that sum total number into cell D-1 in row 3 of Section A of this compliance document.

Indicate if this page is being used to document and calculate conditioned or unconditioned space by checking the appropriate box.

Section D-2. Tailored Method - Additional allowed lighting power for combined floor display and task lighting

Check all of the boxes to acknowledge these requirements.

1. Enter a Primary Function Area that is consistent with one of the Primary Function Areas in Table 140.6-D, as defined in §100.1(b) of the Standards.

Determine Allotted Watts:

2. Enter the square feet of the primary function area that is using the Tailored Method for compliance.
3. Enter the allowed combined floor display power and task lighting power in accordance with column 4 of Table 140.6-D of the Standards.
4. Calculate the maximum allotted watts by multiplying the square feet of area in column 02 times the lighting power in column 03.

Determine Design Watts:

5. Enter the luminaire code consistent with the indoor lighting schedule in Section C of NRCC-LTI-01-E.
- 6&7. This section of the compliance document provides three separate rows to separately calculate mounting height multipliers for each respective primary function area, according to Table 140.6-E.
8. Watts per Luminaire -
 - i. On the first sub-row, enter the watts per luminaire for each luminaire mounted lower than 12 feet (from bottom of luminaire to the floor).
 - ii. On the second sub-row, enter the watts per luminaire for each luminaire mounted at height ranging from 12 feet to 16 feet.
 - iii. On the third sub-row, enter the watts per luminaire for each luminaire mounted higher than 16 feet.
9. Number of Luminaires -
 - i. On the first sub-row, enter the number of luminaires mounted lower than 12 feet (from bottom of luminaire to the floor).
 - ii. On the second sub-row, enter the number of luminaires mounted at height ranging from 12 feet to 16 feet.
 - iii. On the third sub-row, enter the number of luminaires mounted higher than 16 feet.
10. For each sub-row, separately multiply the mounting height factor in column 07 times the watts per luminaire in column 08 times the number of luminaires in column 09.
Separately add the design watts for each of the three sub-rows. This is the sum total Design Watts for the Primary Function Area listed in column 01.
11. Enter the smallest of the Allotted Watts in column 04, or the Design Watts in column 10. This is the Allowed lighting power for combined floor display and task lighting for the Primary Function Area listed in column A.
Add together all of the Allowed wall display watts in column 11 and enter next to “Sum Total” at the bottom of this column. If multiple pages are required to document all of the different primary function areas, enter the sum total of all of the pages at the bottom of column 11. Also, enter that sum total number into cell D-2 in row 3 of Section A of this compliance document.

Indicate if this page is being used to document and calculate conditioned or unconditioned space by checking the appropriate box.

Section D-3. Tailored Method - Additional allowed lighting power for combined ornamental and special effects lighting

Check all of the boxes to acknowledge these requirements.

1. Enter a Primary Function Area that is consistent with one of the Primary Function Areas in Table 140.6-D, as defined in §100.1(b) of the Standards.

Determine Allotted Watts:

2. Enter the square feet of the primary function area that is using the Tailored Method for compliance.
3. Enter the allowed combined ornamental/special effects lighting power in accordance with column 5 of Table 140.6-D of the Standards.
4. Calculate the maximum allotted watts by multiplying the square feet of area in column 02 times the lighting power in column 03.

Determine Design Watts:

5. This section of the compliance document provides three separate rows to separately list three different layers of ornamental or special effects lighting in each primary function area. Enter a description of the luminaire, or use the same name or tag that was used to identify the lighting in Section H of NRCC-LTI-01-E.
6. Enter the watts per luminaire, in accordance with the requirements in §130.0(c) for each separate sub-row used.
7. Separately list the number of luminaires for each respective sub-row.
8. For each separate sub-row, calculate Design Watts by multiplying the Watts per Luminaire in column 06 times the Number of Luminaires in column 07.

Add the subtotal of ornamental/special effects lighting for the primary function area in column 08.

9. Enter the smallest of the Allotted Watts in column 04 and the Design Watts in column 08. This is the Allowed lighting power for combined ornamental/special effects lighting for the Primary Function Area listed in column 01.

Add together all of the Allowed ornamental/special effects watts in column 09 and enter next to “Sum Total” at the bottom of this column. If multiple pages are required to document all of the different primary function areas, enter the sum total of all of the pages at the bottom of column 09; also, copy to add a new bullet after bullet “Column A”. Also, enter that number into cell D-3 row 3 of this compliance document.

Indicate if this page is being used to document and calculate conditioned or unconditioned space by checking the appropriate box.

Section D-4. Tailored Method - Additional allowed lighting power for very valuable display case lighting

Check all of the boxes to acknowledge these requirements.

The additional allowed lighting power for very valuable display case lighting is the smallest of the following three calculations: watts per square foot of qualifying floor area, watts per square foot of qualifying display case, or the actual installed watts.

1. Enter a Primary Function Area that is consistent with one of the Primary Function Areas in Table 140.6-D, as defined in §100.1(b) of the Standards.
2. Enter a description of the display case.

Determine Watts per Square Foot of Qualifying Floor Area:

3. Enter the square feet of the display case that is using the Tailored Method for compliance.
4. 0.8 watts per square feet already entered. This is always the correct number to use for this calculation.
5. Multiply the square feet in column 03 times 0.8 watts per square feet. This is the allotted watts per square foot of qualifying floor area.

Determine Watts per Square Foot of Qualifying Display Case Area:

6. Enter the square feet of the primary function area that is using the Tailored Method for compliance.
7. 12.0 watts per square feet already entered. This is always the correct number to use for this calculation.
8. Multiply the square feet in column 06 times 12.0 watts per square feet. This is the allotted watts per square foot of qualifying floor area.

Determine Actual Installed Watts:

9. List actual installed watts in accordance with §130.0(c).

Determine Allowed Watts:

10. Separately determine allowed watts for each row. Enter the smallest of the allotted watts in column 05, the allotted watts in column 08, or the actual watts in column 09. This is the allowed watts for very valuable display case lighting for each row.

Add all of the allowed watts in column 10 and enter next to “Sum Total” at the bottom of this column. Also enter that sum total number into cell D-4 in row 3 of this compliance document.

Room Cavity Ratio Worksheet (RCR)

The project name and date shall match the information on page 1.

This worksheet provides the factors required in column 04 of Section B, or in column 04 of Section C, of the Tailored Method compliance documents. This page must be filled out and submitted whenever the Tailored Method is used for compliance with the Standards.

The form has two sections: Rectangular Spaces is for rooms with four 90° walls, and Non-rectangular Spaces is for all other room types (including oblique four walled and circular rooms).

Rectangular Spaces

1. Room Number is to list each room’s number, and should correspond with the plans.
2. Task/Activity Description for the room is listed in this column. If the room has multiple tasks or activities, use the dominant activity for the room in this column.
3. Room Length is the length (L) of the room, measured in linear feet, from the interior surfaces of opposing walls. The length is typically the longest distance between two parallel walls in the room.
4. Room Width is the width (W) of the room, measured in linear feet, from the interior surfaces of opposing walls. The width is typically the smallest distance between two parallel walls in the room.
5. Room Cavity Height is the vertical distance, measured in linear feet, from the work plane to the center line of the lighting fixture. This measurement is called the room cavity height (H).
6. Room Cavity Ration (RCR) is 5 multiplied by the product of the room cavity height H (from column 05) and the sum of the room length and width (L from column C plus W from column 04), all divided by the room area L (from column 03) times room width (W from column 04). This quantity is the RCR and shall be entered into column 04 of Section B, or column 04 of Section C, of the Tailored Method compliance documents.

Non-rectangular Spaces

1. Room Number is to list each room’s number, and should correspond with the plans.
2. Task/Activity Description is listed in this column. If the room has multiple tasks or activities, use the dominant activity for the room in this column.
3. Room Area is the interior area (A) of the room in square feet. This should be determined by whatever means appropriate for the shape of the room.
4. Room Perimeter is the room perimeter (P) measured in feet along the interior surfaces of the walls that define the boundaries of the room. For rooms with angled walls, this is the sum of the interior lengths of each wall in the room. For circular rooms, this is the interior radius of the room multiplied by 2 and pi (3.413).
5. Room Cavity Height is the vertical distance, measured in linear feet, from the work plane to the center line of the lighting fixture. This measurement is called the room cavity height (H).
6. Room Cavity Ratio (RCR) is 2.5 multiplied by the product of the room cavity height H (from column 05) and room perimeter P (from column 04), all divided by the room area A (from column 03). This quantity is the RCR and shall be entered into column 04 of Section B, or column 04 of Section C, of the Tailored Method compliance documents.