

AUTOMATIC DAYLIGHTING CONTROL ACCEPTANCE DOCUMENT



CERTIFICATE OF ACCEPTANCE		NRCA-LTI-03-A
Automatic Daylighting Control Acceptance Document		(Page 1 of 11)
Project Name:	Enforcement Agency:	Permit Number:
Project Address:	City:	Zip Code:

<i>Note: Submit one Certificate of Acceptance for each system that must demonstrate compliance.</i>	Enforcement Agency Use: Checked by/Date
---	---

Check boxes for all pages of this NRCA-LTI-03-A completed and included in this submittal	
<input type="checkbox"/> NRCA-LTI-03-A Page 1 & 2	Construction Inspection. This page required for all submittals.
<input type="checkbox"/> NRCA-LTI-03-A Page 3 & 4	Continuous dimming control functional performance test – watt-meter or amp-meter measurement
<input type="checkbox"/> NRCA-LTI-03-A Page 4 & 5	Stepped Switching/ Stepped Dimming functional performance test – watt-meter or amp-meter measurement
<input type="checkbox"/> NRCA-LTI-03-A Page 7 & 8	Continuous dimming control functional performance test – light meter power measurement, and default look-up table of fraction of rated power versus fraction of rated light output.
<input type="checkbox"/> NRCA-LTI-03-A Page 10 & 11	Stepped Switching/ Stepped Dimming functional performance test – based on light output

A. Construction Inspection NA-7.6.1.1
01. Drawing of Daylit Zone(s) must be shown on plans or attached to this compliance document. Select one or both of the following:
<input type="checkbox"/> Shown on plans page #'s _____
<input type="checkbox"/> Daylit zones(s) drawn in on as-built plans (attached) page #'s _____

Check box below if sampling method is used in accordance with NA7.6.1.2. If checked, attach a page with names of other controls in sample (only for buildings with > 5 daylight control systems, sample group glazing same orientation)

Control System	System Name	Plans Page Number	Check if Tested Control is Representative of Sample	Applicable Control System		
			<input type="checkbox"/>	A	B	C
A	_____	_____	<input type="checkbox"/>			
B	_____	_____	<input type="checkbox"/>			
C	_____	_____	<input type="checkbox"/>			
02. System Information						
Zone Type: Skylit (Sky), Primary Sidelit (PS), or Secondary Sidelit (SS)						
Control Type: Continuous Dimming with more than 10 light levels (C), Stepped Dimming (SD), Switching (SW)						
Design Footcandles: (Enter footcandle (fc) value or "U" if unknown)						

AUTOMATIC DAYLIGHTING CONTROL ACCEPTANCE DOCUMENT

CEC-NRCA-LTI-03-A (Revised 08/16)

CALIFORNIA ENERGY COMMISSION



CERTIFICATE OF ACCEPTANCE		NRCA-LTI-03-A
Automatic Daylighting Control Acceptance Document		(Page 2 of 11)
Project Name:	Enforcement Agency:	Permit Number:
Project Address:	City:	Zip Code:

03. Sensor and Controls			
Control Loop Type: Open Loop (OL), Closed Loop (CL)			
Sensor Location: Outside (O), Inside Skylight (IS), Near Windows facing out (NW), In Controlled Zone (CZ)			
Sensor Location is Appropriate to Control Loop Type: (Y/N) If control loop type is Open Loop (OL): Enter yes (Y) if location = Outside (O), Inside Skylight (IS), or Near Windows facing out (NW); otherwise, enter no (N). If Control loop type is Closed Loop (CL): Enter yes (Y) if location = In Controlled Zone (CZ); otherwise, enter no (N).			
Control Adjustments are in Appropriate Location (Y/N): Yes, If Readily Accessible or Yes if in Ceiling \leq 11 ft, No for all other .			

04. Has Documentation Been Provided by the Installer:			
Installation Manuals and Calibration Instructions Provided to Building Owner: (Y/N)			
Location of Light Sensor on Plans: (Y/N)			
Location of Light Sensor on Plans: (Page Number)			

05. Separate Controls of Luminaires in Daylit Zones:			
Are luminaires controlled by automatic daylighting controls only in daylit zones: (Y/N)			
Separately circuited for daylit zones by windows and daylit zones under skylights: (Y/N)			

06. Daylighting Control Device Certification			
Daylighting control has been certified in accordance with §110.9: (Y/N)			
Construction Inspection PASS/FAIL. If all responses on Construction Inspection pages 1 & 2 are complete and all Yes/No questions have a Yes (Y) response, the tests PASS; If any responses on this page are incomplete OR there are any no (N) responses, the tests FAIL			



CERTIFICATE OF ACCEPTANCE		NRCA-LTI-03-A
Automatic Daylighting Control Acceptance Document		(Page 3 of 11)
Project Name:	Enforcement Agency:	Permit Number:
Project Address:	City:	Zip Code:

B. Functional Performance Testing – Continuous Dimming Systems NA-7.6.1.2.1					
Power estimation using amp-meter measurement, or alternate option – watt-meter measurement.					
Complete all tests on page 3 & 4 (No Daylight Test, Full Daylight Test, and Partial Daylight Test) and fill out Pass/Fail section on Page 4.			Applicable Control System		
			A	B	C
01. System Information					
a.	Control Loop Type: Open Loop or Closed Loop? (O or C)				
b.	Indicate if Mandatory control - M (required for skylit zone or primary sidelit zone with installed general lighting power > 120 W); for Control Credit – CC; or Voluntary -V (M, C, V)				
c.	If automatic daylighting controls are mandatory, are all general lighting luminaires in daylit zones controlled by automatic daylight controls? (Y/N)				
d.	General lighting design footcandles. (Enter footcandle (fc) value or “U” if Unknown)				
e.	Power estimation method. Measured Amps Multiplied by Volts, Volt-Amps (VA), alternate option is Measured Watts (W)				
Step 1: Identify Reference Location (location where minimum daylight illuminance is measured in zone served by the controlled lighting.)					
f.	Method Used: Illuminance or Distance? (I or D)				
Override daylight control system and drive electric lights to highest light level for the following:					
g.	Highest light level fc: Enter measured footcandles (fc) from controlled electric lighting (does not include daylight illuminance)				
h.	Full load Highest light level power: Enter measured Amps times Volts, Volt-Amps (VA) or measured Watts (W).				
i.	Indicate whether this is Full Output (FO) , or Task Tuned (Lumen Maintenance) (TT)				
Step 2: No Daylight Test controls enabled & daylight less than 1 fc at reference location					
j.	Method Used: Night time manual measurement (Night) , Night Time Illuminance Logging (Log) , Cover Fenestration (CF) , Cover Open Loop Photosensor (COLP)				
k.	Reference Illuminance (footcandles) as measured at Reference Location (see Step 1). Enter footcandles				
l.	Enter Y if either of the following statements are true: [Reference Illuminance (line k)] / [Highest light level fc (line g)] > 70% when line i = FO or [Reference Illuminance (line k)] / [design footcandles (line d)] > 80%? (Y/ N)				
Step 3: Full Daylight Test conducted when daylight > 150% of reference illuminance (line k)					
m.	Enter measured Amps Multiplied by Volts, Volt-Amps (VA) or measured Watts (W).				
n.	System power reduction enter $[1 - (\text{line m})/(\text{line h})]$ enter as percent.				
o.	Is System Power Reduction (line n) > 65% when line i = FO, or > 56% when line i = TT (Y/N)				
p.	With uncontrolled lights also on, no lamps are dimmed outside of daylit zone by same control mechanism or formula (Y/N)				
q.	Dimmed lamps have stable output (no perceptible visual flicker) (Y/N)				
r.	Daylight Dimming plus OFF Controls PAF (This portion of the full daylight test applies to lighting systems that are claiming a PAF for daylight dimming plus OFF controls. This portion of the full daylight test shall be conducted instead of steps m. thru q.) Does the system automatically turn OFF the luminaires when full daylight is available? (Y/N)				
Step 4: Partial Daylight Test conducted when daylight between 60% and 95% of (line k)					
s.	Daylight illuminance (light level without electric light) measured at Reference Location (fc)				
t.	Daylight illuminance divided by the Reference Illuminance = (line s) / (line k). Enter %.				
u.	Is Ratio of Daylight illuminance to Ref. illuminance (line t) between 60% and 95%? (Y/N)				
v.	Total (daylight + electric light) illuminance measured at the Reference Location (fc)				
w.	Total illuminance divided by the Reference Illuminance = (line v) / (line k), Enter %				
x.	Is Total illuminance divided by the Reference illuminance (line w) between 100% and 150%? (Y/N)				



CERTIFICATE OF ACCEPTANCE		NRCA-LTI-03-A
Automatic Daylighting Control Acceptance Document		(Page 4 of 11)
Project Name:	Enforcement Agency:	Permit Number:
Project Address:	City:	Zip Code:

C. Evaluation

PASS: All applicable Construction Inspection responses on pages 1 & 2 are complete and all applicable Functional Performance Testing Requirements responses are positive (Y - yes) (applicable questions on pages 3 & 4 = c, l, o, p, q, u, x)

D. NA7.6.1.2.2 Functional Performance Testing – Stepped Switching/ Stepped Dimming Systems

Power estimation using watt-meter or amp-meter measurement

Complete all tests on pages 4 & 5 (No Daylight Test, Full Daylight Test, and Partial Daylight Test) and fill out Pass/Fail section on Page 5.

		Applicable Control System		
		A	B	C
01. System Information				
a.	Control Loop Type. Open Loop or Closed Loop? (O or C)			
b.	Indicate if Mandatory control - M (required for skylit zone or primary sidelit zone with installed general lighting power > 120 W); for Control Credit – CC; or Voluntary -V (M, C, V)			
c.	If automatic daylighting controls are mandatory, are all general lighting luminaires in daylight zones controlled by automatic daylight controls? (Y/N)			
d.	Power estimation method. Measured Watts (W), Measured Amps Multiplied by Volts, Volt-Amps (VA),			
Step 1: Identify Reference Location (location where minimum daylight illuminance is measured in zone served by the controlled lighting.)				
e.	Method Used: Illuminance or Distance? (I or D)			
Step 2: No Daylight Test (daylight less than 1 fc at reference location)				
f.	Method Used: Night time manual measurement (Night), Night Time Illuminance Logging (Log) attach plot of fc or power, Cover Fenestration (CF), Cover Photosensor (CP)			
g.	Reference Illuminance (foot-candles) measured at Reference Location			
h.	Enter measured Watts (W), or Amps Multiplied by Volts, Volt-Amps (VA)			
i.	Indicate whether this is Full Output (FO), or Task Tuned (Lumen Maintenance) (TT)			
Step 3: Full Daylight Test conducted when daylight > 150% of reference illuminance (line g)				
j.	Measured Watts of Volt-Amps - record system power			
k.	System fraction of power reduction = $[1 - (\text{line } j) / (\text{line } h)]$,			
l.	Is System Power Reduction (line k) > 65% when line i = FO or >56% when line i = TT (Y/N)			
m.	Daylight Dimming plus OFF Controls PAF (This portion of the full daylight test applies to lighting systems that are claiming a PAF for daylight dimming plus OFF controls. This portion of the full daylight test shall be conducted instead of steps j. thru l.) Does the system automatically turn OFF the luminaires when full daylight is available? (Y/N)			
Step 4: Partial Daylight Test				
n.	Method Used: Light Logging (Log), Partially Cover Fenestration (PCF), Open Loop Setpoint Adjustment (OLSA).			
o.	If the control has three steps of control or less, all steps of control are tested. If the control has more than three steps, testing three steps of control is sufficient for showing compliance. Tests have been conducted at various daylight levels that correspond to steps of electric lighting control. (Y/N)			

AUTOMATIC DAYLIGHTING CONTROL ACCEPTANCE DOCUMENT

CERTIFICATE OF ACCEPTANCE		NRCA-LTI-03-A
Automatic Daylighting Control Acceptance Document		(Page 5 of 11)
Project Name:	Enforcement Agency:	Permit Number:
Project Address:	City:	Zip Code:

		Applicable Control System		
		A	B	C
First Stage of Control				
F1	Total (daylight + electric light) illuminance measured at the Reference Location (foot-candles) when stage turns off or dims			
F2	Is the measured total illuminance between 100% and 150% of the Reference Illuminance (line g)? (Y/N)			
F3	With time delay disabled, control stage does not cycle (i.e. deadband is sufficient)? (Y/N)			
Second Stage of Control				
F4	Total (daylight + electric light) illuminance measured at the Reference Location (foot-candles) when stage turns off or dims			
F5	Is the measured total illuminance between 100% and 150% of the Reference Illuminance (line g)? (Y/N)			
F6	With time delay disabled, control stage does not cycle (i.e. deadband is sufficient)? (Y/N)			
Third Stage of Control				
F7	Total (daylight + electric light) illuminance measured at the Reference Location (foot-candles) when stage turns off or dims			
F8	Is the measured total illuminance between 100% and 150% of the Reference Illuminance (line g)? (Y/N)			
F9	With time delay disabled, control stage does not cycle (i.e. deadband is sufficient)? (Y/N)			
Step 5: Time Delay Test (conduct at least 60 minutes after overriding time delay)				
p.	After change of state from little daylight to full daylight, time in minutes before light output is reduced			
q.	Is the measured time delay (line p) greater than or equal to 3 minutes? (Y/N)			

E.PASS/FAIL Evaluation (check one)	
<input type="checkbox"/>	PASS: All applicable Construction Inspection responses on pages 1 & 2 are complete and all applicable Functional Performance Testing Requirements responses are positive (Y - yes) (applicable questions on pages 4 & 5 are on lines c, l, o, F2, F3, F5, F6, F8, F9, q)
<input type="checkbox"/>	FAIL: Any applicable Construction Inspection responses on pages 1 & 2 are incomplete OR there is one or more negative (N - no) responses in any applicable Functional Performance Testing Requirements section (applicable questions on pages 4 & 5 are on lines c, l, o, F2, F3, F5, F6, F8, F9, q). System does not pass and is NOT eligible for Certificate of Occupancy according to Section 10-103(a)3B. Fix problem(s) and retest until the system(s) passes all portions of this test before retesting and resubmitting NRCA-LTI-03-A with PASSED test to the enforcement agency. Describe below the failure mode and corrective action needed.



CERTIFICATE OF ACCEPTANCE		NRCA-LTI-03-A
Automatic Daylighting Control Acceptance Document		(Page 6 of 11)
Project Name:	Enforcement Agency:	Permit Number:
Project Address:	City:	Zip Code:

F. Functional Performance Testing – Continuous Dimming Systems NA-7.6.1.2.1					
Power estimation using light meter measurement					
Complete all tests on page 6 & 7 (No Daylight Test, Full Daylight Test, and Partial Daylight Test) and fill out Pass/Fail section on Page 8.			Applicable Control System		
			A	B	C
01. System Information					
a.	Control Loop Type: Open Loop or Closed Loop? (O or C)				
b.	Indicate if Mandatory control - M (required for skylit zone or primary sidelit zone with installed general lighting power > 120 W); for Control Credit – CC; or Voluntary not for credit -V (M, CC, V)				
c.	If automatic daylighting controls are mandatory, are all general lighting luminaires in daylight zones controlled by automatic daylight controls? (Y/N)				
d.	General lighting design footcandles. (Enter footcandle (fc) value, or “U” if unknown).				
e.	Power estimation method. (see line r) Default ratio of power to light (Dfc), cut-sheet ratio of power to light (CSfc) If CSfc – attach cut-sheet. Enter Dfc or CSfc ,				
Step 1: Identify Reference Location (location where minimum daylight illuminance is measured in zone served by the controlled lighting.)					
f.	Method Used: Illuminance or Distance? (I or D)				
Override daylight control system and drive electric lights to full light output for highest light level fc:					
g.	Highest light level fc – enter measured controlled electric lighting footcandles (fc)				
h.	Indicate whether this is Full Output (FO) , or Task Tuned (Lumen Maintenance) (TT)				
Step 2: No Daylight Test					
i.	Method Used: Night time manual measurement (Night) , Night Time Illuminance Logging (Log) , Cover Fenestration (CF) , Cover Open Loop Photosensor (COLP)				
j.	Reference Illuminance (footcandles) measured at Reference Location (Illuminance of general lighting at the reference location)				
k.	Enter Y if either of the following statements are true: If line h = FO; [Reference Illuminance (line j)] / [Full Output fc (line g)] > 70%? or [Reference Illuminance (line j)] / [design footcandles (line d)] > 80%? (Y/ N)				
Step 3: Full Daylight Test conducted when daylight > 150% of reference illuminance (line j)					
l.	Daylight illuminance (light level with electric lighting turned off) measured at Reference Location (fc)				
m.	Daylight illuminance (line l) greater than Reference Illuminance (line j) ? (Y/N)				
Fill out lines p through t only if electric lighting is turned D down or off.					
n.	Total (daylight + electric light) illuminance measured at the Reference Location (fc).				
o.	Electric lighting illuminance at the Reference Location (fc) [(line n) – (line l)].				
p.	Electric lighting illuminance (line o) divided by Highest Light Level fc (line g). Enter %.				
q.	Dimmed luminaire fraction of rated power. Attach manufacturer’s cut-sheet or use default graph of rated power to light output on page 8. Label applicable control system (column A, B or C) on cut-sheet or graph. Enter fraction of rated power in %.				
r.	System Power Reduction = [1 – (line q)]				
s.	Is System Power Reduction (line r) > 65% when line h = FO, or > 56% when line h = TT (Y/N) .				
t.	With uncontrolled lights also on, no lamps dimmed outside of daylit zone by control (Y/N) .				
u.	Dimmed lamps have stable output, no perceptible flicker (Y/N) .				
v.	Daylight Dimming plus OFF Controls PAF (This portion of the full daylight test applies to lighting systems that are claiming a PAF for daylight dimming plus OFF controls. This portion of the full daylight test shall be conducted instead of steps l. thru u.) Does the system automatically turn OFF the luminaires when full daylight is available? (Y/N)				

AUTOMATIC DAYLIGHTING CONTROL ACCEPTANCE DOCUMENT

CEC-NRCA-LTI-03-A (Revised 08/16)

CALIFORNIA ENERGY COMMISSION



CERTIFICATE OF ACCEPTANCE		NRCA-LTI-03-A
Automatic Daylighting Control Acceptance Document		(Page 7 of 11)
Project Name:	Enforcement Agency:	Permit Number:
Project Address:	City:	Zip Code:

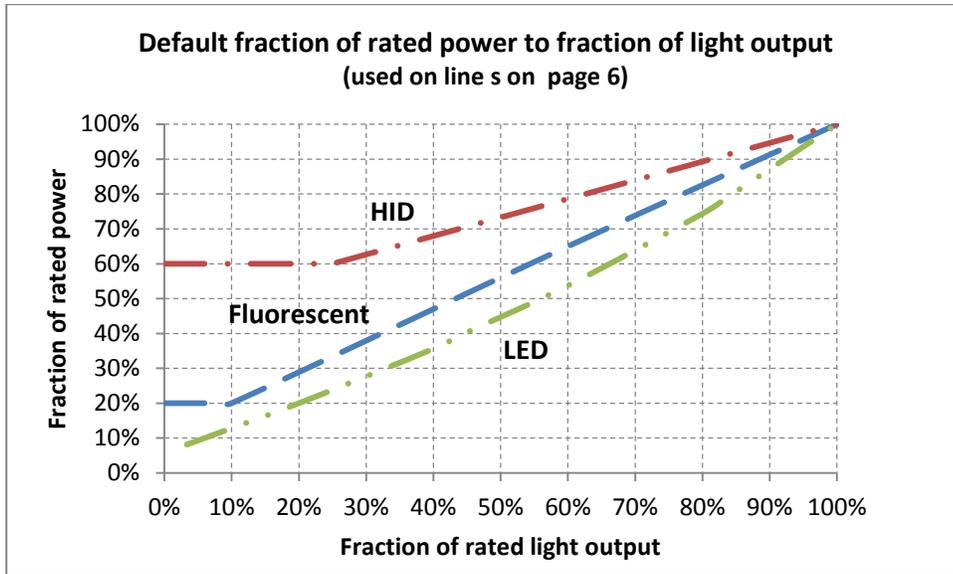
		Applicable Control System		
		A	B	C
Step 4: Partial Daylight Test conducted when daylight between 60% and 95% of (line i).				
w.	Daylight illuminance (light level without electric light) measured at Reference Location (fc).			
x.	Daylight illuminance divided by the Reference Illuminance = (line w)/ (line j). Enter %.			
y.	Is Ratio of Daylight illuminance to Ref illuminance (line x) between 60% and 95%? (Y/N).			
z.	Total (daylight + electric light) illuminance measured at the Reference Location (fc).			
aa.	Total illuminance divided by the Reference Illuminance = (line z)/ (line j). Enter %.			
bb.	Is Ratio of Total illum. to reference illum. (line aa) between 100% and 150%? (Y/N).			

G. PASS/FAIL Evaluation (check one)	
<input type="checkbox"/>	PASS: All applicable Construction Inspection responses on pages 1 & 2 are complete and all applicable Functional Performance Testing Requirements responses are positive (Y - yes) (applicable questions on pages 6 & 7 = c, k, m, s, t, u, y, bb)
<input type="checkbox"/>	FAIL: Any applicable Construction Inspection responses on pages 1 & 2 are incomplete OR there is one or more negative (N - no) responses in any applicable Functional Performance Testing Requirements section (applicable questions on pages 6 & 7 = c, k, m, s, t, u, y, bb). System does not pass and is NOT eligible for Certificate of Occupancy according to Section 10-103(a)3B. Fix problem(s) and retest until the system(s) passes all portions of this test before retesting and resubmitting NRCA-LTI-03-A with PASSED test to the enforcement agency. Describe below the failure mode and corrective action needed.

Not to be used for compliance contact
ATTCP for valid compliance document.



CERTIFICATE OF ACCEPTANCE		NRCA-LTI-03-A
Automatic Daylighting Control Acceptance Document		(Page 8 of 11)
Project Name:	Enforcement Agency:	Permit Number:
Project Address:	City:	Zip Code:



Not to be used for compliance
ATTCP for valid compliance
document.

AUTOMATIC DAYLIGHTING CONTROL ACCEPTANCE DOCUMENT

CERTIFICATE OF ACCEPTANCE		NRCA-LTI-03-A
Automatic Daylighting Control Acceptance Document		(Page 9 of 11)
Project Name:	Enforcement Agency:	Permit Number:
Project Address:	City:	Zip Code:

H. NA7.6.1.2.2 Functional Performance Testing – Stepped Switching/ Stepped Dimming Systems					
Power estimation based on light output					
Complete all tests on page 9 & 10 (No Daylight Test, Full Daylight Test, and Partial Daylight Test) and fill out Pass/Fail section on Page 11.			Applicable Control System		
			A	B	C
01. System Information					
a.	Open Loop or Closed Loop? (O or C)				
b.	Indicate if Mandatory control - M (skylit zone or primary sidelit zone with installed general lighting power > 120 W)); for Control Credit – CC; or Voluntary not for credit -V (M, CC, V)				
c.	If automatic daylighting controls are mandatory, are all general lighting luminaires in daylight zones controlled by automatic daylight controls? (Y/N)				
d.	Power estimation method. Counting (C) – not allowed for step dimming, Counting plus Cut Sheet (C+CS) attach ballast cut sheet with steps of power and light.				
Step 1: Identify Reference Location (location where minimum daylight illuminance is measured in zone served by the controlled lighting.)					
e.	Method Used: Illuminance or Distance? (I or D)				
Step 2: No Daylight Test					
f.	Method Used: Night time manual measurement (Night), Night Time Illuminance Logging (Log) attach plot of fc or power, Cover Fenestration (CF), Cover Photosensor (CP)				
g.	Reference Illuminance (foot-candles) measured at Reference Location				
h.	Indicate whether this is Full Output (FO), or Task Tuned (Lumen Maintenance) (TT)				
Step 3: Full Daylight Test conducted when daylight > 150% of reference illuminance (line g)					
i.	Fraction system wattage turned off.				
j.	Fraction of system wattage dimmed.				
k.	Step dimming level as a fraction of rated light output if applicable.				
l.	Dimmed ballast fraction of rated power from cut-sheet.				
m.	System Power Reduction = $[1 - (\text{line j}) * (\text{line l})]$				
n.	Is System Power Reduction (line m) > 65% when line i = FO or >56% when line i = TT (Y/N) .				
o.	With uncontrolled lights also on, no lamps controlled outside of daylit zone (Y/N) .				
p.	Dimmed lamps have stable output, no perceptible visual flicker (Y/N) .				
q.	Daylight Dimming plus OFF Controls PAF (This portion of the full daylight test applies to lighting systems that are claiming a PAF for daylight dimming plus OFF controls. This portion of the full daylight test shall be conducted instead of steps i. thru p.) Does the system automatically turn OFF the luminaires when full daylight is available? (Y/N)				
Step 4: Partial Daylight Test					
r.	Method Used: Light Logging (Log), Partially Cover Fenestration (PCF), Open Loop Setpoint Adjustment (OLSA).				
s.	If the control has three steps of control or less, all steps of control are tested. If the control has more than three steps, testing three steps of control is sufficient for showing compliance. Tests have been conducted at various daylight levels that correspond to steps of electric lighting control. (Y/N)				

AUTOMATIC DAYLIGHTING CONTROL ACCEPTANCE DOCUMENT

CEC-NRCA-LTI-03-A (Revised 08/16)

CALIFORNIA ENERGY COMMISSION



CERTIFICATE OF ACCEPTANCE		NRCA-LTI-03-A
Automatic Daylighting Control Acceptance Document		(Page 10 of 11)
Project Name:	Enforcement Agency:	Permit Number:
Project Address:	City:	Zip Code:

		Applicable Control System		
		A	B	C
First Stage of Control				
F1	Total (daylight + electric light) illuminance measured at the Reference Location (foot-candles) when stage turns off or dims			
F2	Is the measured total illuminance between 100% and 150% of the Reference Illuminance (line g)? (Y/N)			
F3	With time delay disabled, control stage does not cycle (i.e. deadband is sufficient)? (Y/N)			
Second Stage of Control				
F4	Total (daylight + electric light) illuminance measured at the Reference Location (foot-candles) when stage turns off or dims			
F5	Is the measured total illuminance between 100% and 150% of the Reference Illuminance (line g)? (Y/N)			
F6	With time delay disabled, control stage does not cycle (i.e. deadband is sufficient)? (Y/N)			
Third Stage of Control				
F7	Total (daylight + electric light) illuminance measured at the Reference Location (foot-candles) when stage turns off or dims			
F8	Is the measured total illuminance between 100% and 150% of the Reference Illuminance (line g)? (Y/N)			
F9	With time delay disabled, control stage does not cycle (i.e. deadband is sufficient)? (Y/N)			
Step 5: Time Delay Test (conduct at least 60 minutes after overriding time delay)				
t.	After change of state from little daylight to full daylight, time in minutes before light output is reduced			
u.	Is the measured time delay (line t) greater than or equal to 3 minutes? (Y/N)			

I. PASS/FAIL Evaluation (check one)

<input type="checkbox"/>	PASS: All applicable Construction Inspection responses on pages 1 & 2 are complete and all applicable Functional Performance Testing Requirements responses are positive (Y - yes) (applicable questions on pages 9 & 10 are on lines c, n, o, p, s, F2, F3, F5, F6, F8, F9, u)
<input type="checkbox"/>	FAIL: Any applicable Construction Inspection responses on pages 1 & 2 are incomplete OR there is one or more negative (N - no) responses in any applicable Functional Performance Testing Requirements section (applicable questions on pages 9 & 10 are on lines c, n, o, p, s, F2, F3, F5, F6, F8, F9, u). System does not pass and is NOT eligible for Certificate of Occupancy according to Section 10-103(a)3B. Fix problem(s) and retest until the system(s) passes all portions of this test before retesting and resubmitting NRCA-LTI-03-A with PASSED test to the enforcement agency. Describe below the failure mode and corrective action needed.

AUTOMATIC DAYLIGHTING CONTROL ACCEPTANCE DOCUMENT

CERTIFICATE OF ACCEPTANCE		NRCA-LTI-03-A
Automatic Daylighting Control Acceptance Document		(Page 11 of 11)
Project Name:	Enforcement Agency:	Permit Number:
Project Address:	City:	Zip Code:

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT		
1. I certify that this Certificate of Acceptance documentation is accurate and complete.		
Documentation Author Name:	Documentation Author Signature:	
Documentation Author Company Name:	Date Signed:	
Address:	CEA/ATT Certification Identification (If applicable):	
City/State/Zip:	Phone:	
FIELD TECHNICIAN'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"> The information provided on this Certificate of Acceptance is true and correct. I am the person who performed the acceptance verification reported on this Certificate of Acceptance (Field Technician). The construction or installation identified on this Certificate of Acceptance complies with the applicable acceptance requirements indicated in the plans and specifications approved by the enforcement agency, and conforms to the applicable acceptance requirements and procedures specified in Reference Nonresidential Appendix NA7. I have confirmed that the Certificate(s) of Installation for the construction or installation identified on this Certificate of Acceptance has been completed and signed by the responsible builder/installer and has been posted or made available with the building permit(s) issued for the building. 		
Field Technician Name:	Field Technician Signature:	
Field Technician Company Name:	Position with Company (Title):	
Address:	ATT Certification Identification (if applicable):	
City/State/Zip:	Phone:	Date Signed:
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"> I am the Field Technician, or the Field Technician is acting on my behalf as my employee or my agent and I have reviewed the information provided on this Certificate of Acceptance. I am eligible under Division 3 of the Business and Professions Code in the applicable classification to accept responsibility for the system design, construction or installation of features, materials, components, or manufactured devices for the scope of work identified on this Certificate of Acceptance and attest to the declarations in this statement (responsible acceptance person). The information provided on this Certificate of Acceptance substantiates that the construction or installation identified on this Certificate of Acceptance complies with the acceptance requirements indicated in the plans and specifications approved by the enforcement agency, and conforms to the applicable acceptance requirements and procedures specified in Reference Nonresidential Appendix NA7. I have confirmed that the Certificate(s) of Installation for the construction or installation identified on this Certificate of Acceptance has been completed and is posted or made available with the building permit(s) issued for the building. I will ensure that a completed, signed copy of this Certificate of Acceptance shall be posted, or 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 signed copy of this Certificate of Acceptance is required to be included with the documentation the builder provides to the building owner at occupancy. 		
Responsible Acceptance Person Name:	Responsible Acceptance Person Signature:	
Responsible Acceptance Person Company Name:	Position with Company (Title):	
Address:	CSLB License:	
City/State/Zip:	Phone:	Date Signed:

NRCA-LTI-03-A User Instructions

This compliance document is used to document the results for automatic daylighting control tests. The compliance document was designed so that data for three lighting control strategies (continuous dimming, stepped dimming, and stepped switching) could be recorded on one document. The compliance document is separated into the following sections: project information; construction inspection; functional testing requirements; pass/fail evaluation; and certification statement. Each section consists of a combination of data entry requirements and check boxes.

Construction Inspection (Pre-test Inspection)

This section consists of check boxes. Complete check boxes as instructed.

Functional Testing

This section consists of data entry requirements arranged by individual test procedures. There are three columns under the “Applicable Control System” heading labeled 1 through 3 are available for up to three system information to be filled in.

Pass/Fail Evaluation

Check the appropriate box as instructed.

Certification Statement

The statement of compliance is signed by the person responsible for performing the test and verifying system performance. The signatory provides the following: name; company name; signature and date signed; as well as license number and expiration date.

Not to be used for compliance. Contact
ATTCP for valid compliance
document.