STATE OF CALIFORNIA

POWER ADJUSTMENT FACTORS



CEC-NRCI	I-LTI-05-E (F	Revised 04/16)					CALIFORNIA E	NERGY COMMISSION
CERTIFI	ICATE OF	INSTALLATION						NRCI-LTI-05-E
Power A	Adjustme	nt Factors						(Page 1 of 4)
Project Nam	ne:				Enforcement Agency:	:		Permit Number:
Project Address:				City:			Zip Code:	
GENER	AL INFOR	MATION						
DATE OF	F BUILDING	PERMIT:	PERMIT #:					
		T						
BUILDI	NG TYPE	☐ Nonr	residential	☐ High	-Rise Res (Comr	mon Area)	☐ Hotel/Mot	el (Common Area)
PHASE	OF	П	C	П д д д д д д д	•	П м и	M	
CONSTI	RUCTION	☐ New	Construction	☐ Additi	ion	☐ Altera	tion	☐ Unconditioned
SCOPE	OF RESPO	NSIBILITY						
	-		nforcement agen		-	-	-	Date:
	-		efficiency meas	ures for th	ne scope of res _l	ponsibility f	or this	
Installa	tion Certi	ficate.						
Dower	A director	nt Factor (DAE)	•					
	-	ent Factor (PAF) re a Power Adiu		vill he allo	wed for compl	iance with S	Section 140 6 of	Part 6 of Title 24, the
								y for the construction
-		_	rials, componen				•	
Certific		,	, ,	,		·	,	
					_	_		e installed watts of a
	-		_			-		uct of (i) the number of
					the applicable	Power Adju	stment Factor (PAF), if all of the
condition	ons in this	Certificate of I	nstallation are n	net.				
If any o	of the requ	iiramants in thi	s Installation Ce	rtificate fa	il the installat	ion chall no	t he eligible for	using the DAE
ii aiiy o	i the requ	inements in thi	3 mstanation ce	i tilicate la	iii, tile ilistaliat	lion shall no	t be eligible for	using the FAL.
Check o	all that ap	pply:						
PART 1	Certifica	ate of Compliar	nce Correctly Fill	led Out				
☐ In addition to this Cartificate of Installation, the DAE has been correctly decumented on page 3 of NDCC LTLO3.								
☐ In addition to this Certificate of Installation, the PAF has been correctly documented on page 2 of NRCC-LTI-02-E Certificate of Compliance submitted to the building department.								
	Certifica	ate of Compilan	ce submitted to	tile bullul	ng departmen	ι.		
PART 2	Type of	PAF						
	A.	This installation	on qualifies for t	the follow	ing PAFs:			
	1 Th::::		lifica fourth a DAT	for a David	lialet Diaeania	-lus OFF		40.C. A because it
				·-	ilgiit Dillillillig	pius OFF CO	IIIIOI III TABLE 1	40.6-A because it
			ng requirements				10. 1 10.	1.1 1.10 1.10
				to the lum	linaires in the	primary side	elit daylit zone a	and the skylit daylit
	_	zone;						
			PAF used is 0.10;			_		
					olled luminaire	s comply wi	th Automatic D	aylighting Control
			of Section 130.1					
				g plus OFF	controls is ver	ified by the	acceptance tes	t required by Section
		130.4(a)3; and	d					
		e. The c	laylight dimming	g plus OFF	controls is ver	ified by the	acceptance tes	t required by Section
		130.4(a)7; and	d					

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ALIFORNIA ENERGY COMMISSION	*

CEC-NRCI-L	TI-05-E (F	Revised 04/16)		CALIFORNI	A ENERGY COMMISSION
CERTIFIC	ATE OF	INSTALLATION			NRCI-LTI-05-E
Power A	djustme	nt Factors			(Page 2 of 4)
Project Name:				Enforcement Agency:	Permit Number:
Project Addres	ss:			City:	Zip Code:
		-		control turn lights completely OFF whof the illuminance received from the ge	• =
		pen plan office areas ments have been m a. The occup	above workstations, et:	an occupant sensing control controlling in accordance with TABLE 140.6-A, becare in large open plan offices that are g	cause the following
		☐ ii. ☐ iii. ☐ b. This PAF i c. Controlled controlled area, or	The PAF used is 0.30 fo The PAF used is 0.20 fo s only being applied to d luminaires are only	or sensing controlled area no larger that or occupant sensing controlled area from or occupant sensing controlled area from occupant sensing controlled area from office areas which contain workstation those which provide general lighting distributions that comply with Section 140 colled area; and	om 125 to 250 ft ² om 251 to 500 ft ² ons; and irectly above the
		following requirem i. I installer, the control ii. U being trig	nents, as applicable: infrared sensors have with lenses or shroud colled area. Ultrasonic sensors have gered by movements All other sensors have	n controlled by occupant sensing controlled by occupant sensing controlled equipped by the manufacturer, on the sensitivity of the controlled area. The been installed and adjusted as necession outside of the controlled area.	or fitted in the field by the d by movement outside of ty to prevent them from
	3. meets a	Ill of the following reliable i. 1 controlled ii. 1 iii. 1 130.4(a)7	equirements: The lighting controls lider I lighting to 85% or le The means of setting to The setting of the limity The construction documents	mit the maximum output or maximum ss of full light output or full power draw the limit is accessible only to authorized is verified by the acceptance test requirements specify which lighting systems have set to no greater than 85% of full lighting systems.	power draw of the w; and d personnel; and uired by Section nave their maximum light
	4. installat	ion meets all of the i. The building is 10 ii. The PAF used is demand responsiv	following requirement 0,000 ft ² or smaller; and 0.05. Note that lumin e control PAF.		lso qualify for this

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CEC-N	RCI-LTI-05-E (I	Revised 04/16)	CALIFORNIA EN	NERGY COMMISSION
		INSTALLATION		NRCI-LTI-05-E
Pow	er Adjustme	ent Factors		(Page 3 of 4
Project	Name:		Enforcement Agency:	Permit Number:
Project	Address:		City:	Zip Code:
		TABLE 130.1-A; and v. Spaces that are non-habitable have no	er consistent with uniform level of illumina ot been used to comply with this requirem of less than 0.5 W/ ft ² have not been cour	nent, and
PAR	T3 PAF Mi	inimum Requirements		
Che	ck all that a	pply:		
	lighting co EX co ma B. Installe C. Space t D. Self-co	hting control used to earn the PAF is design introls otherwise required in 130.1(a) through CEPTION. The lighting control used to earn impliance with Section 130.1(b)3, and this lighting controls other annual, and automatic lighting controls other and wattage has been determined in accordately the PAF comply with intained lighting controls used to earn the lappliance Efficiency Regulations, as verified	ugh (e) In a PAF has been designed and installed for Ilighting control is designed and installed in Perwise required in Section 130.1. In ance with Section 130.0(c) Ithe definition for that space type in Section PAF comply with Section 110.9 and are ce	or the sole purpose of n addition to all other on 100.1(b) rtified in accordance
	E. A lighti WI Ma	ng control system is used to earn the PAF, hen using a lighting control system to earn anagement Control System and Lighting Co ntrols are permanently installed nonreside	which complies with Section 110.9. n a PAF, also submit the Installation Certifiontrol System (NRCI-LTI-02-E). ential-rated lighting controls. (Portable ligh	icate for Energy
	G. The cor Furn the con i.		permanently installed general lighting system for the purpose of earr	ning this PAF because II of the following
_	ii. iii. iv. ft ² c the	Before multiplying the installed watts of of the area illuminated by the furniture mo furniture mounted luminaires.	has been designed to provide indirect generate the furniture mounted luminaire by the abunted luminaires has been subtracted from	applicable PAF, 0.3 W/om installed watts of
		t 50% of the light output of the controlled	• •	ed in TABLE 140.6-A.
_		s on lighting tracks are within the applicab		
	-	ne PAF from TABLE 140.6-A has been used		not been added
	_	inless specifically allowed in TABLE 140.6-A		
		ghting wattage directly controlled in accord		ed to reduce the
		actual indoor lighting power as allowed by		
		y a portion of the wattage in a luminaire is tion of controlled wattage has been reduce	-	•

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POWER ADJUSTMENT FACTORS





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CERTIFICATE OF INSTALLATION		NRCI-LTI-05-E
Power Adjustment Factors		(Page 4 of 4)
Project Name:	Enforcement Agency:	Permit Number:
Project Address:	City:	Zip Code:

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT			
1. I certify that this Certificate of Installation documentation is accurate and complete.			
Documentation Author Name:	Documentation Author Signature:		
Documentation Author Company Name:	Date Signed:		
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:

- 1. The information provided on this Certificate of Installation is true and correct.
- 2. 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 Installation, and attest to the declarations in this statement (responsible builder/installer), otherwise I am an authorized representative of the responsible builder/installer.
- 3. The constructed or installed features, materials, components or manufactured devices (the installation) identified on this Certificate of Installation conforms to all applicable codes and regulations, and the installation conforms to the requirements given on the plans and specifications approved by the enforcement agency.
- 4. I reviewed a copy of the Certificate of Compliance approved by the enforcement agency that identifies the specific requirements for the scope of construction or installation identified on this Certificate of Installation, and I have ensured that the requirements that apply to the construction or installation have been met.
- 5. I will ensure that a completed signed copy of this Certificate of Installation 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 completed signed copy of this Certificate of Installation is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Builder/Installer Name:	Responsible Builder/Installer Signature	:
Company Name: (Installing Subcontractor or General Contractor or Builder/Owner)	Position With Company (Title):	
Address:	CSLB License:	
City/State/Zip:	Phone:	Date Signed:
Third Party Quality Control Program (TPQCP) Status:	Name of TPQCP (if applicable):	

CERTIFICATE OF INSTALLATION—USER INSTRUCTIONS	NRCI-LTI-05-E
Power Adjustment Factors	(Page 1 of 1)

NRCI-LTI-05-E User Instructions

This Certificate of Installation must be submitted in order for a Power Adjustment Factor to be earned for compliance with the nonresidential lighting Standards.

If any of the requirements in this Certificate of Installation fail, or of all of the appropriate boxes have not been checked, the installation shall not be eligible for using the PAF.

Check all appropriate boxes in this certificate as a declaration that all of the conditions required to earn the PAF have been met.

- Part 1 Check that the PAF has been correctly document on page 2 of NRCC-LTI-02-E of the Certificate of Compliance submitted to the building department.
- Part 2 Identify the type, or types, of PAFs that have been claimed.
- Part 3 Check that all conditions have been met to earn the PAF.