



Q&A #1

Date: January 30, 2015

Project: Lighting Retrofit – Lighting Fixtures Replacement (Metric)

Bidders must make sure that their bids are based on the latest version of the tender documents published and take into consideration the following amendments and information, including any information provided on amendments or Q&As previously published for this project.

Bidders that do not comply with this requirement will be discarded.

Question 1: Please find attached technical information regarding HCI standard product, for submission as equal status for the Agriculture and Agri-Food Canada project in St. Hyacinthe Quebec.

Appendix 1

Answer 1:

- 1) The data sheets of the proposed equal HCI LED fixture don't provide the information as if the fixture can fit in a metric T-grid suspended ceiling.
- 2) Information regarding the input voltage is different from one sheet to the other. In the second data sheet, the input voltage is from 100 to 277V. The required voltage for the fixtures is 347V.

Based on the information provided, the proposed fixture is not considered an equal.

Question 2: Please find attached a fixture specification sheet to be considered as an equal for this bid.

Appendix 2

Answer 2:

- 1) The data sheets of the proposed equal Truly Green LED fixture doesn't provide the information as if the fixture can fit in a metric T-grid suspended ceiling.
- 2) Information regarding the input voltage is showing 100 to 277VAC. The required voltage for the fixtures is 347V.

Based on the information provided, the proposed fixture is not considered an equal.

Question 3: Is the lighting fixture FY-PL-1x4-44W from Technilight considered as an equal? **Appendix 3**

Answer 3: The delivered light output of this fixture (4200 lumens) is too high compared to the specifications requirements (3800-4000 Lm). The desired lighting level must compare to the actual building lighting level. For this reason, this proposed fixture is not considered as an equal.

Question 4: I would like to know if a Lighting Lutron control and management system is included in the project? Are there automation or control wiring works to perform? Do the ballasts require a special driver or if 0-10 volts standard ones would work?



Answer 4: There is no control and management system included in the project. There are no automation or control wiring works to do. The lighting fixtures indicated in the specifications do not have ballasts, they are provided with an integrated driver.

Question 5: Shall anti-seismic protections be installed for the new lighting fixtures as required by the Régie du bâtiment du Québec Regulations?

Answer 5: Yes, anti-seismic protection shall be installed. An addendum will be issued on this matter.

Question 6: If existing fixtures are retrofitted to LED, shall they be CSA certified?

Answer 6: Yes, if the fixtures are retrofitted, they shall mandatory be CSA certified. All fixtures not meeting this requirement shall be replaced by fixtures compliant to the specifications, to the contractor's costs.

Question 7: If a bidder wishes to propose a retrofit instead of a replacement, must he submit for evaluation to the contracting agent, during the tender period, the product he proposes as an equal?

Answer 7: For all other products than the ones specified in the Invitation to Tender, the bidders must submit their request for equal to the contracting agent, as specified at section IG13, page 8, in Appendix A – General Instructions to bidders.

Question 8: Within the project, will there be cabling works?

Answer 8: Yes, during the works the contractor shall install cabling.

Question 9: Are the ceiling spaces encumbered?

Answer 9: Yes, there are ventilation ducts, electrical conduits, plumbing pipings, etc.

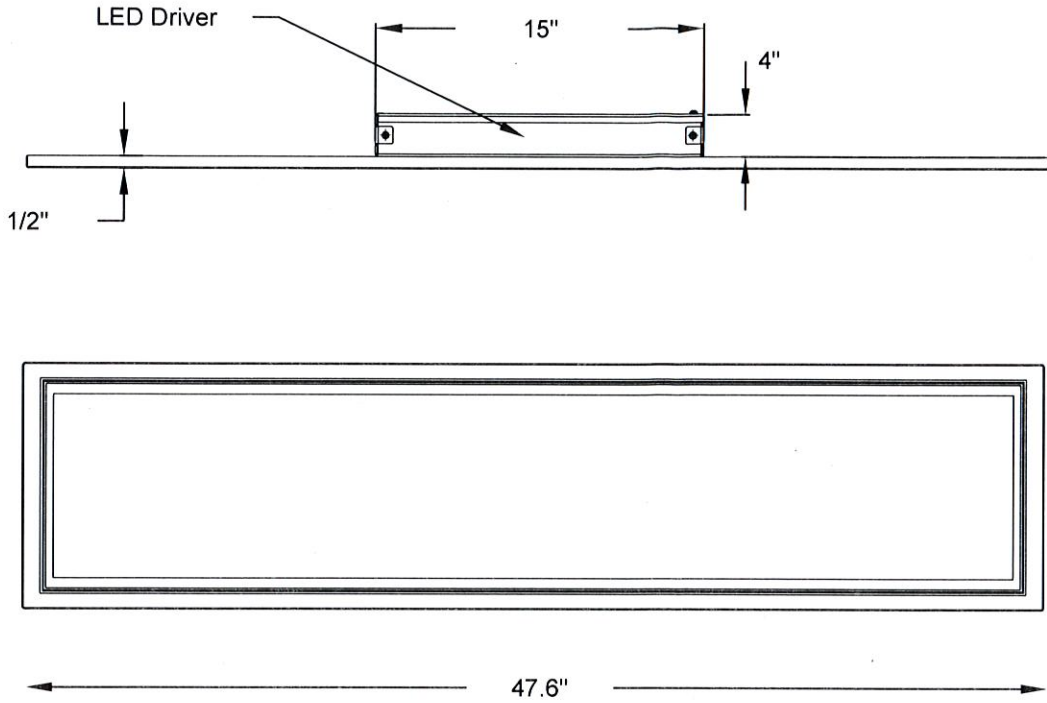
ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED

Please Note: Fabrication will not begin until this drawing is approved, signed and returned to HCI

- APPROVED
- APPROVED AS NOTED
- REJECTED
- REVISE AND RESUBMIT

By _____

Date _____



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Diffuser Type: White.

Diffuser Material: Acrylic.

Hardware: Stainless steel.

Luminaire Frame: The whole luminaire frame is made of aluminum.

Driver: LED high power factor mounted on the Backside of the Panel

Wattage - 40W (LED)
Voltage - 120V, 277V, 347V
C.C.T. - 3000K -4000K
Lumens Output - 3600LM

Optical System: LED.

Mounting: Recessed mounting with T-Bar.

Option: Dimming Control

Finish: Electrostatically applied thermoset polyester powder-coat finish.

Colour: RAL9016-White.

Approval Drawing

Luminaire: LED LIGHTING PANEL

Sales: KIM Designer: AG
Date: JAN.22,2015 Drawing No: 15673
Model: RMPL-1X4-SMD40W-LED-RAL9016
Project: Food Research and Development Center
REP: inTact Lighting Group Inc. (ILG) (QTY: 900)

Please Note: Fabrication will not begin until this drawing is approved, signed and returned to HCI



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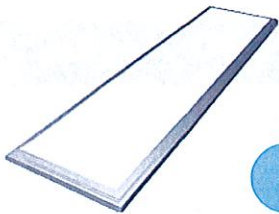
LED LIGHTING PANEL

- > High energy efficiency LED panels for offices, schools, hospitality and other commercial applications
- > UL, cUL, and DLC certified
- > White housing
- > Edge-lit LED technology with high efficiency lighting
- > Optical polycarbonate diffuser distributes uniform and glare-free lighting
- > Ultra-thin profile, thickness less than 0.5"
- > Easy installation with minimal maintenance required
- > Limited 5 years warranty

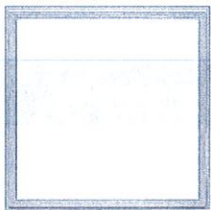
- > Optional recessed, surface and suspended mounting
- > Optional dimmable or non-dimmable feature
- > Operating temperature – 20°C ~ 40°C
- > High power factor ≥0.99
- > CRI ≥80
- > L70 at 50,000 hours
- > Large range of color temperature available
- > Input voltage 100~277V
- > IP 44, suitable for damp location

AVAILABLE IN THREE SIZES

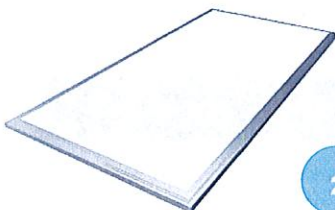
	1' x 4'	2' x 2'	2' x 4'
LENGTH	47.6"	23.6"	47.6"
WIDTH	11.8"	23.6"	23.6"
HEIGHT	0.5"	0.5"	0.5"
WEIGHT	5 lbs	5 lbs	8 lbs



1' x 4' LED PANEL

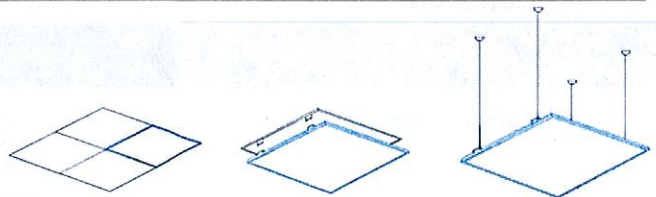


2' x 2' LED PANEL



2' x 4' LED PANEL

MOUNTING OPTIONS



RECESSED

SURFACE

SUSPENDED

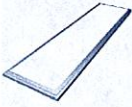
APPROVALS & CERTIFICATIONS






LED LIGHTING PANEL


1' x 4' LED PANEL 40W

	PRODUCT NUMBER	MOUNTING	LED WATTAGE	COLOR TEMPERATURE	DELIVERED LUMENS	LED TYPE	CRI	OPTIONS	DIMENSIONS
	RMPL-1x4-SMD40LED	RECESSED	40W	3000K 4000K	3600 lm	SMD	≥80	DIMMING CONTROL	11.8" X 47.6" x 0.5"
	SMPL-1x4-SMD40LED	SURFACE		5000K 6000K					
	SUMPL-1x4-SMD40LED	SUSPENDED							
				± 10% VARIANCE				STEP DOWN TRANSFORMER	

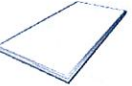
2' x 2' LED PANEL 40W

	PRODUCT NUMBER	MOUNTING	LED WATTAGE	COLOR TEMPERATURE	DELIVERED LUMENS	LED TYPE	CRI	OPTIONS	DIMENSIONS
	RMPL-2x2-SMD40LED	RECESSED	40W	3000K 4000K	3600 lm	SMD	≥80	DIMMING CONTROL	23.6" x 23.6" x 0.5"
	SMPL-2x2-SMD40-LED	SURFACE		5000K 6000K					
	SUMPL-2x2-SMD40LED	SUSPENDED							
				± 10% VARIANCE				STEP DOWN TRANSFORMER	

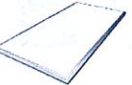
2' x 2' LED PANEL 60W

	PRODUCT NUMBER	MOUNTING	LED WATTAGE	COLOR TEMPERATURE	DELIVERED LUMENS	LED TYPE	CRI	OPTIONS	DIMENSIONS
	RMPL-2x2-SMD60LED	RECESSED	60W	3000K 4000K	5400 lm	SMD	≥80	DIMMING CONTROL	23.6" x 23.6" x 0.5"
	SMPZ-2x2-SMD60LED	SURFACE		5000K 6000K					
	SUMPL-2x2-SMD60LED	SUSPENDED							
				± 10% VARIANCE				STEP DOWN TRANSFORMER	

2' x 4' LED PANEL 50W

	PRODUCT NUMBER	MOUNTING	LED WATTAGE	COLOR TEMPERATURE	DELIVERED LUMENS	LED TYPE	CRI	OPTIONS	DIMENSIONS
	RMPL-2x4-SMD50LED	RECESSED	50W	3000K 4000K	4500 lm	SMD	≥80	DIMMING CONTROL	23.6" x 47.6" x 0.5"
	SMPL-2x4-SMD50LED	SURFACE		5000K 6000K					
	SUMPL-2x4-SMD50LED	SUSPENDED							
				± 10% VARIANCE				STEP DOWN TRANSFORMER	

2' x 4' LED PANEL 75W

	PRODUCT NUMBER	MOUNTING	LED WATTAGE	COLOR TEMPERATURE	DELIVERED LUMENS	LED TYPE	CRI	OPTIONS	DIMENSIONS
	RMPL-2x4-SMD75LED	RECESSED	75W	3000K 4000K	6700 lm	SMD	≥80	DIMMING CONTROL	23.6" x 47.6" x 0.5"
	SMPL-1x4-SMD75LED	SURFACE		5000K 6000K					
	SUMPL-2x4-SMD75LED	SUSPENDED							
				± 10% VARIANCE				STEP DOWN TRANSFORMER	



LED PANEL LIGHT

DESCRIPTION: LED Panel Light 1'x4' 40W
ITEM NUMBER: 8813XX

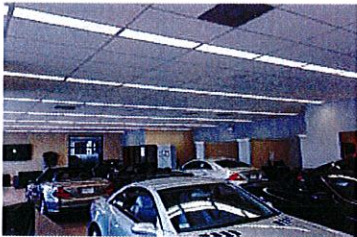
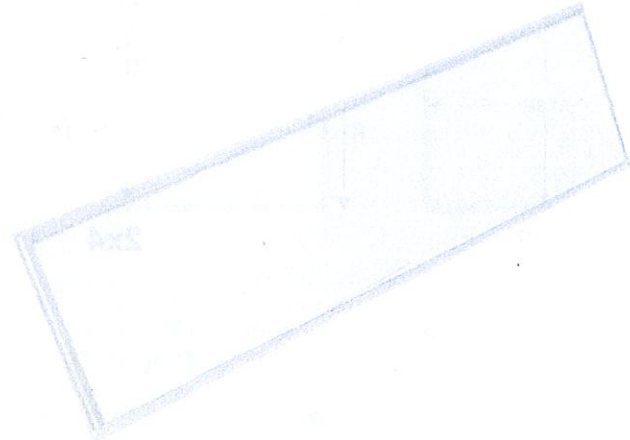


FEATURES

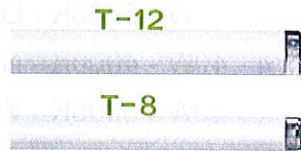
Designed for drop-in ceilings, high performance Edge-Lit LED flat panels are the ideal energy efficient replacement for fluorescent fixtures in offices, schools, hospitality, healthcare and other commercial and industrial applications. Available in 1'x4', 2'x2' and 2'x4' models. Energy savings of 60%+, minimum guaranteed 50,000 hour life, impact and vibration resistant, no flickering, instant-on technology. Edge-lit panels are 0%-100% dimmable. UL and DLC approved.

APPLICATIONS

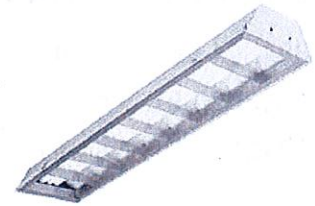
- | | |
|---------------|------------------|
| Offices | Bus Stations |
| Classrooms | Train Stations |
| Lobbies | Medical Facility |
| Back of house | Malls |
| Restaurants | Hotel |



REPLACES



20-72 W T8 or T12 Fluorescent



1x4 Troffer T-8 Fluorescent

TECHNICAL PARAMETERS

- Life Span: 50,000
- Fixture Material: Aluminum & PC Cover
- IP Rating: N/A
- Dimensions: 297.18x1197x11.93mm
(11.70x47.12x0.47in)
- Dimmable: Yes (0-10V Dimming)

LEVITON – AWRMG-7XX AWSMG-7XX
 – AWSMT-7XX IP710-LFZ/DLX
<http://www.leviton.com>

LUTRON – DIVA-DVTV NOVA-NVTV
 – NOVAT-NTFTV W/PP20
<http://www.lutron.com/en-US>

Thermal Layer Material: Aluminum & PC Cover

OPTICAL PARAMETERS

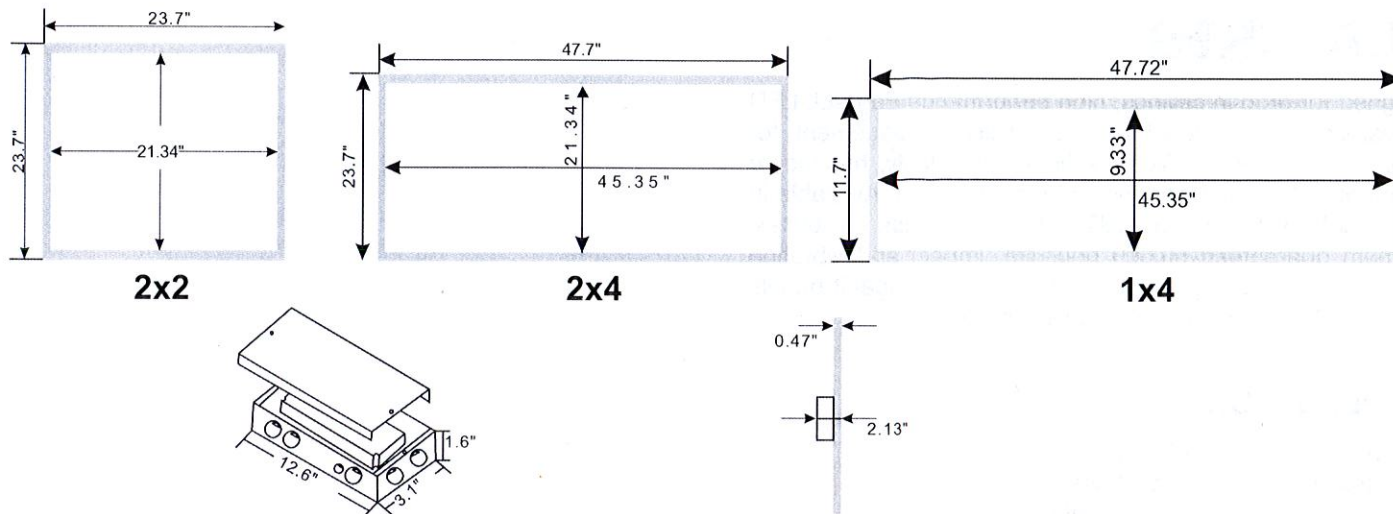
- LED Chip Type: SMD
- LED Chip Quantity: SMD
- Lumens: 3480 (87 lm/W)
- Color Temperature: 5000K (01)
4000K (02)
3000K (03)
- CRI: > 80
- Beam Angle: 120°
- Socket: Full Fixture
- Cover: Frosted

ELECTRICAL PARAMETERS

- Input Voltage: 100~277VAC
- Total Power Consumption: 40W
- Power Factor: > .95



Due to advancements in technology, specifications are subject to change without notice.
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WARNING: READ INSTRUCTIONS BEFORE INSTALLING
 Disconnect all power sources to the fixtures before installing.



Ordering Information – LED Panel Light 40W 1'x4'

- 881301 LED Panel Light - 1 x 4 - 40W - 5000K - Day White-DLC-Dimmable
- 881302 LED Panel Light - 1 x 4 - 40W - 4000K - Natural White-DLC-Dimmable
- 881303 LED Panel Light - 1 x 4 - 40W - 3000K - Warm White-DLC-Dimmable

Ordering Information – LED Panel Light 40W 2'x2'

- 882201 LED Panel Light - 2 x 2 - 40W - 5000K - Day White-DLC-Dimmable
- 882202 LED Panel Light - 2 x 2 - 40W - 4000K - Natural White-DLC-Dimmable
- 882203 LED Panel Light - 2 x 2 - 40W - 3000K - Warm White-DLC-Dimmable

Ordering Information – LED Panel Light 50W 2'x4'

- 884401 LED Flat Panel 2 x 4 - 50W - 5000K - Day White- DLC-Dimmable
- 884402 LED Flat Panel 2 x 4 - 50W - 4000K - Natural White-DLC-Dimmable
- 884403 LED Flat Panel 2 x 4 - 50W - 3000K - Warm White-DLC-Dimmable

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WARNING: READ INSTRUCTIONS BEFORE INSTALLING

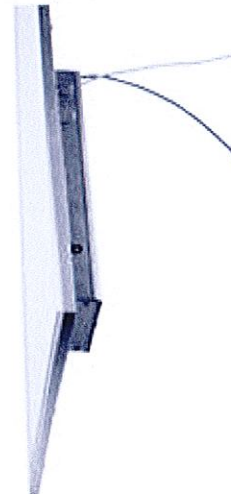
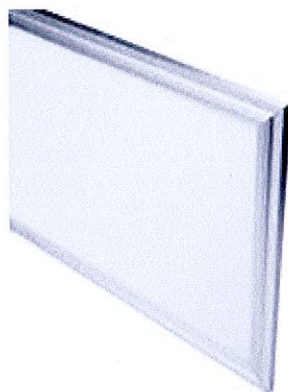
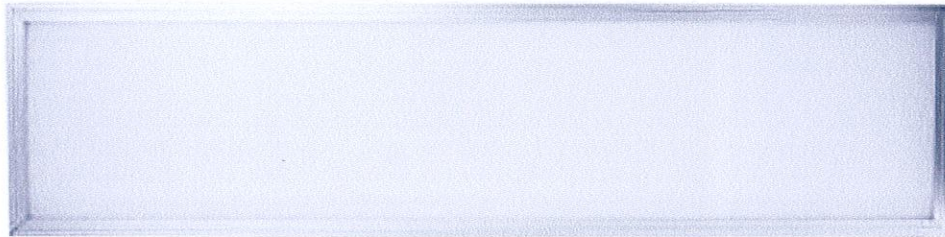
Disconnect all power sources to the fixtures before installing.



FY-PL-1 x 4 -44W

LED Panel Light

The FY Lighting LED Panel Light is an edge-lit luminaire, which delivers 4200lumens, 80+ CRI, 95lumens per watt. The ultra-slim design LED Panel is available in 2700-7000K options and has 0-10V,PWM,Resistance dimming available. The flat LED Panel with earthquake support has Recessed installation and Suspending installation options. Widely used in office spaces, major retail stores, education, government, and hospitality.



Specifications

1x4 LED Panel Light
 Color Temperature 2700-7000K
 Wattage 44 Watts
 95 Lumens Per Watt
 Total Lumens 4200Lumens
 Input Voltage 277-347 VAC
 Frequency 50 - 60 Hz
 CRI 80+
 Power Factor (PF) ≥ 0.95
 Life Span >50,000 hours
 Dimmable 0-10V, PWM and Resistance Dimming
 Dimensions (LxWxH) 1192 X 292 X 10mm.
 Aluminum color and White finishing options.

