

PEERLESS ELECTRIC CO. LTD.

**FLUORESCENT LIGHTING
SPECIFIER GUIDE**





PROJECT: La Maison des Cooperants, Montreal, Que.
ARCHITECT: Webb, Zerala, Menkes, Housden CONS. ENGINEER: Les Consultants C.R.S.Inc.



PROJECT: Sun Life Centre, Toronto, ONT.
ARCHITECT: The Webb, Zerala, Menkes, Housden Partnership
CONS. ENGINEER: Mulvey & Banani International Inc.

PEERLESS ELECTRIC CO. LTD

LIGHTING AT IT'S BEST

***Bridging the gap between
engineering & architecture.***

*Our complete effort is devoted to the design and manufacture
of quality fluorescent lighting equipment to specifications
prescribed by the lighting specifiers.*



PROJECT: Canadian Imperial Bank of Commerce, Vancouver, B.C.
ARCHITECT: Musson, Cattell, Mackey, Partnership CONS. ENGINEER: Domco



PROJECT: IPL Building, Edmonton, ALTA. ARCHITECT: WayneScott
CONS. ENGINEER: Wasnea and Beaubien



TO OUR VALUED CUSTOMERS

"THANK YOU FOR YOUR SUPPORT AND COOPERATION DURING THE LAST FIFTY FIVE YEARS. WITHOUT YOU WE WOULD NOT HOLD THE NUMBER ONE POSITION AS THE LARGEST WHOLLY OWNED CANADIAN COMPANY IN THE LIGHTING FIXTURE BUSINESS.

PEERLESS IS COMMITTED TO PROVIDING YOU WITH SUPERIOR PRODUCTS THAT MEET YOUR NEEDS FOR QUALITY LIGHTING, INNOVATION, ENERGY EFFICIENCY AND PRICE COMPETITIVENESS."

MYER SAMUELS

JANUARY 1995

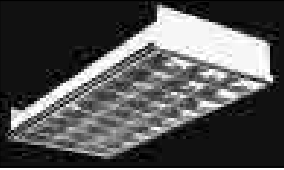




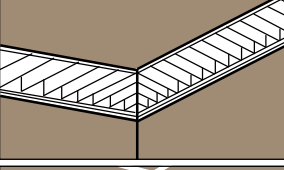
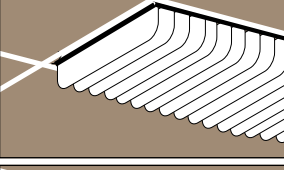
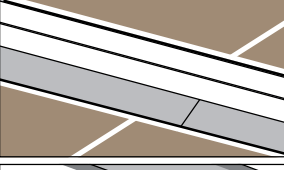
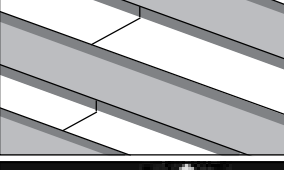

WE HAVE A TOP NOTCH TEAM AT PEERLESS TO MEET THIS COMMITMENT AND UPHOLD THIS PLEDGE.

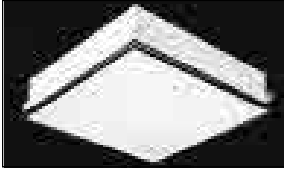









COUNT ON US. WE WILL DO THE JOB FOR YOU!

PEERLESS ELECTRIC CO. LTD

PICTORIAL INDEX











ALPHABETICAL INDEX ON BACK COVER










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ALPHABETICAL INDEX ON BACK COVER

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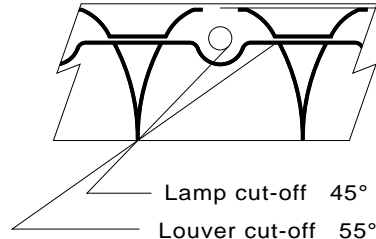
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OPL



OPTILUX

*LUMINAIRES
FOR
VDT
OFFICE
LIGHTING*



		MAX. CANDELAS / M ²	
		Recommended	2x4 OPTILUX
75°	=	175	0
65°	=	350	0
55°	=	850	606

60° Luminance cut-off angle

RP-24 CRITERIA

The IES recommended practice for lighting offices with computer visual display terminals.

Light controlled by the specular aluminum louver virtually eliminates glare at angles above the louver cut-off angle, (the shielding zone).

Optimum ambient lighting should provide a balance between VDT task luminance and the surrounding area.

OPTILUX luminaires are equipped with a precision formed parabolic louver made from low iridescent specular aluminum that virtually eliminates reflected luminaire image on visual display terminals (VDT). For optimum visual comfort.

The louver assembly is retained with T-hinges and spring loaded cam latches.

Steel parts are die formed and finished with a durable white polyester coating.

Air control dampers are available as an option for cold air handling luminaires.

PRECISE LIGHT CONTROL

OPTIMUM VISUAL PERFORMANCE

4¼" DEEP, LOW IRIDESCENT SPECULAR ALUMINUM PARABOLIC LOUVER

ENERGY EFFICIENT LIGHTING

CHOICE OF BALLAST AND VOLTAGE:

- ENERGY SAVING
- ELECTRONIC
- STANDARD

120V, 277V, 347 VOLTS 60Hz. AC.

T-GRID CEILING MODULES:

1' x 4', 2' x 2', 2' x 4', 20" x 48", 20" x 60"

FOR OTHER CEILING TYPES, SEE PAGE 9 OR CONSULT FACTORY

PHOTOMETRICS AVAILABLE UPON REQUEST

OPL



OPTILUX 1' x 4' air handling luminaires.

Ambient lighting balance between VDT task and surrounding area.

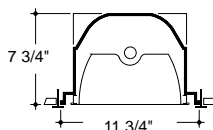
Precision formed, 4 1/4" deep cell low iridescent specular aluminum louver.

Louver assembly retained with T-hinges and spring loaded cam latches.

Die formed steel housing .
White polyester finish.

1' x 4'

T-GRID CEILING



AIR FUNCTIONS	LAMPS	CAT. NO.	VOLTS*	BALLAST*
AIR SUPPLY / RETURN	1-32 W/T8	OPLA-14G-132-9-	120	ES
STATIC	1-32 W/T8	OPLS-14G-132-9-	120	ES
HEAT REMOVAL	1-32 W/T8	OPLH-14G-132-9-	120	ES
AIR SUPPLY / RETURN	1-40 W/T12	OPLA-14G-140-9-	120	ES
STATIC	1-40 W/T12	OPLS-14G-140-9-	120	ES
HEAT REMOVAL	1-40 W/T12	OPLH-14G-140-9-	120	ES

> For other ceiling type installation see catalog numbering code on PAGE 9, or consult factory.

> Air control / damper blades are available as an option.

* For other volts and ballast selection = SEE PAGE 9
ORDERING EX: CAT. NO. = **OPLA-14G-132-9-120-ES**

6

OPL



OPTILUX 2' x 2' air handling luminaires.

Air functions, cold air supply / return, static, or heat removal.

Recessed air aperture along 2 sides of luminaire housing.

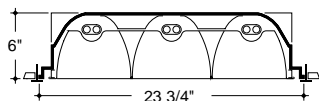
Precision formed, 4 1/4" deep cell low iridescent specular aluminum louver.

Louver assembly retained with T-hinges and spring loaded cam latches.

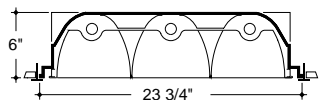
Die formed steel housing . White polyester finish.

2' x 2'

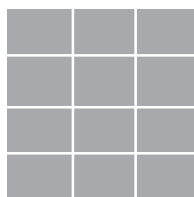
T-GRID CEILING



AIR FUNCTIONS	LAMPS	CAT. NO.	VOLTS*	BALLAST*
AIR SUPPLY / RETURN	3-40 W/T5/BX	OPLA-22G-340X-12-	120	ES
STATIC	3-40 W/T5/BX	OPLS-22G-340X-12-	120	ES
HEAT REMOVAL	3-40 W/T5/BX	OPLH-22G-340X-12-	120	ES



AIR SUPPLY / RETURN	3-17 W/T8	OPLA-22G-317-12-	120	ES
	3-20 W/T12	OPLA-22G-320-12-	120	STD
STATIC	3-17 W/T8	OPLS-22G-317-12-	120	ES
	3-20 W/T12	OPLS-22G-320-12-	120	STD
HEAT REMOVAL	3-17 W/T8	OPLH-22G-317-12-	120	ES
	3-20 W/T12	OPLH-22G-320-12-	120	STD



3 x 4 12 CELLS

> For other ceiling type installation see catalog numbering code on PAGE 9, or consult factory.

> Air control / damper blades are available as an option.

* For other volts and ballast selection = SEE PAGE 9

ORDERING EX: CAT. NO. = **OPLA-22G-317-12-120-ES**

OPL



OPTILUX 2' x 4' air handling luminaires.

Conforms to VDT lighting criteria.

Ambient lighting balance between VDT task and surrounding area.

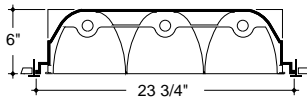
Precision formed, 4 1/4" deep cell low iridescent specular aluminum louver.

Louver assembly retained with T-hinges and spring loaded cam latches.

Die formed steel housing .
White polyester finish.

2' x 4'

T-GRID CEILING



3 x 9 27 CELLS

AIR FUNCTIONS	LAMPS	CAT. NO.	VOLTS*	BALLAST*
AIR SUPPLY / RETURN	3-32 W/T8	OPLA-24G-332-27-	120	ES
STATIC	3-32 W/T8	OPLS-24G-332-27-	120	ES
HEAT REMOVAL	3-32 W/T8	OPLH- 24G-332-27-	120	ES
AIR SUPPLY / RETURN	3-40 W/T12	OPLA-24G-340-27-	120	ES
STATIC	3-40 W/T12	OPLS-24G-340-27-	120	ES
HEAT REMOVAL	3-40 W/T12	OPLH-24G-340-27-	120	ES

> For other ceiling type installation see catalog numbering code on PAGE 9, or consult factory.

> Air control / damper blades are available as an option.

* For other volts and ballast selection = SEE PAGE 9
ORDERING EX: CAT. NO. = **OPLA-24G-332-27-120-ES**

OPL



Air handling luminaires for suspended T-grid ceiling.

Air supply / return, static, and heat removal.

Integrated 6" end filler plates.

4¼" deep cell, precision formed, low iridescent specular aluminum parabolic louver.

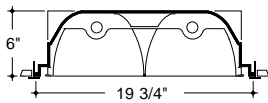
Black perimeter reveal around louver assembly.

20" x 48" modules are available (see below).

White polyester finish.

20" x 60"

T- GRID CEILING



2 x 9 18 CELLS

AIR FUNCTIONS	LAMPS	CAT. NO.	VOLTS*	BALLAST*
AIR SUPPLY / RETURN	2-32 W/T8	OPLA-205G-232-18-	120	ES
STATIC	2-32 W/T8	OPLS-205G-232-18-	120	ES
HEAT REMOVAL	2-32 W/T8	OPLH-205G-232-18-	120	ES
AIR SUPPLY / RETURN	2-40 W/T12	OPLA-205G-240-18-	120	ES
STATIC	2-40 W/T12	OPLS-205G-240-18-	120	ES
HEAT REMOVAL	2-40 WT12	OPLH-205G-240-18-	120	ES

>The above luminaires are available for 20" x 48" T-GRID ceiling.

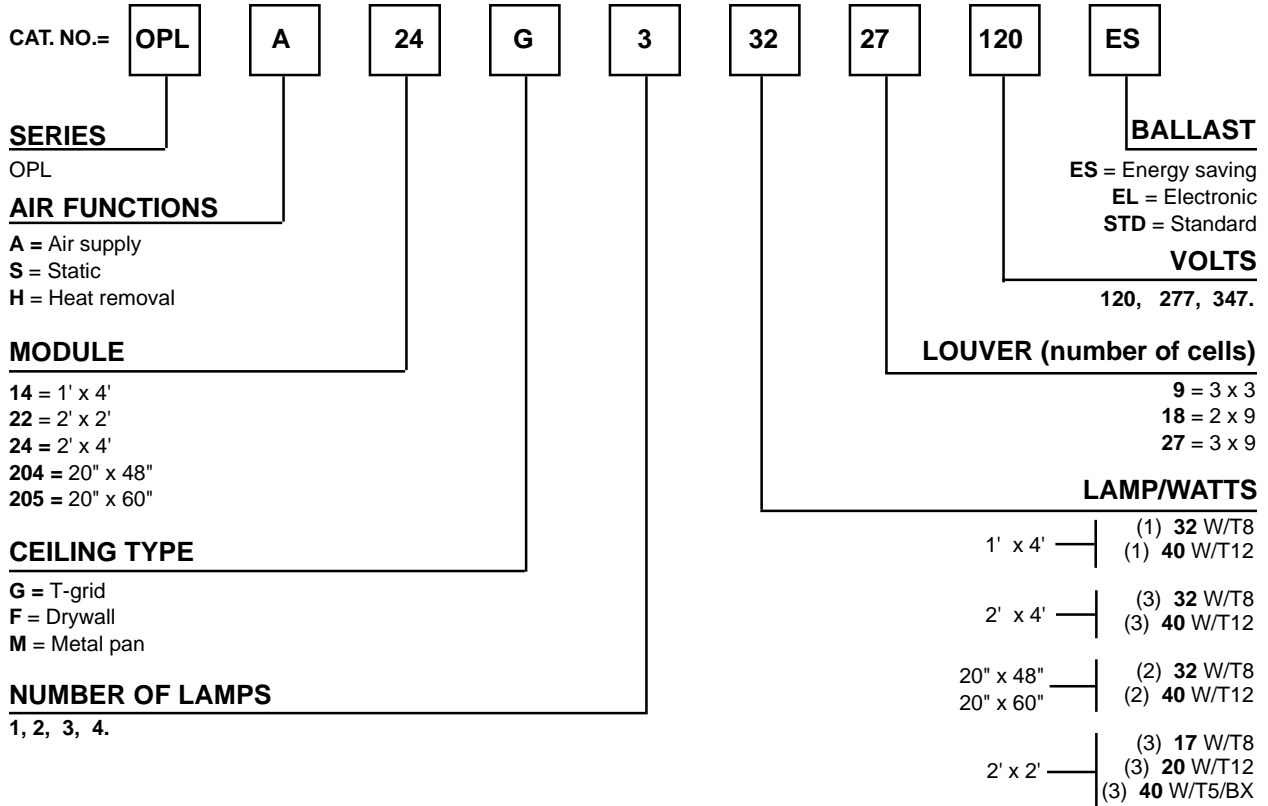
Replace CAT. NO. OPL_205G with OPL_204G-.

>Air control / damper blades are available as an option.

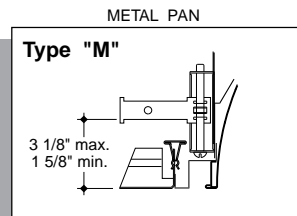
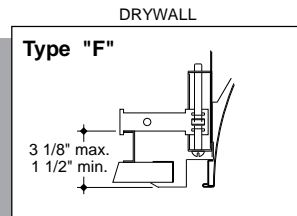
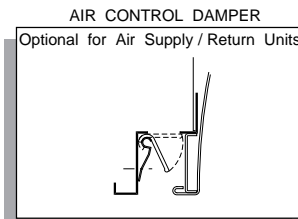
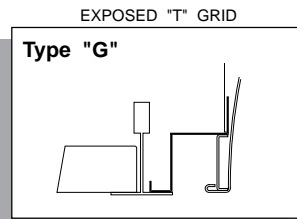
* For other volts and ballast selection = SEE PAGE 9
ORDERING EX: **CAT. NO. =OPLA-205G-240-18-120-ES**

OPL series

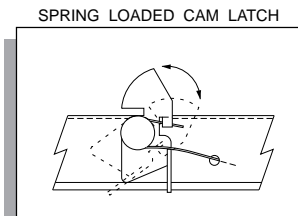
CATALOG NUMBERING CODE



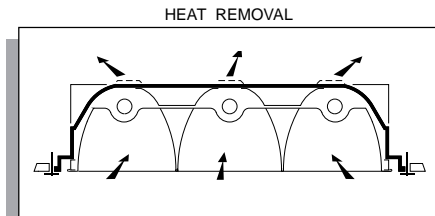
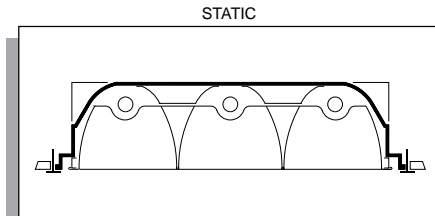
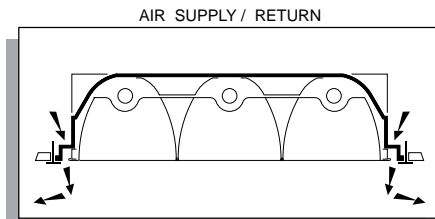
CEILING TYPES:



FOR OTHER CEILING SYSTEMS
CONSULT FACTORY.



AIR FUNCTIONS:



4PL



Maximum shielding for visual comfort.

4" deep cell parabolic semi-specular aluminum louver. Interlocked mitered corners.

Air functions, air supply / return, static, or heat removal.

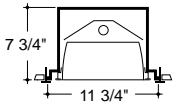
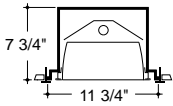
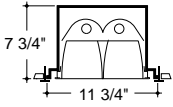
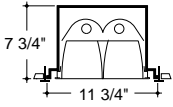
Air control blades available as an option for cold air handling units.

Louver is retained with T hinges and spring loaded cam latches.

Steel housing. Baked white polyester powder finish.

10

1' x 4'

T-GRID CEILING	AIR FUNCTION	LAMPS	CAT. NO.	VOLTS*	BALLAST*
 <p>1 x 8 8 CELLS</p>	AIR SUPPLY / RETURN	1-32 W/T8	4PLA-14G-132-8-	120	ES
	STATIC	"	4PLS-14G-132-8-	120	ES
	HEAT REMOVAL	"	4PLH-14G-132-8-	120	ES
 <p>1 x 8 8 CELLS</p>	AIR SUPPLY / RETURN	1-40 W/T12	4PLA-14G-140-8-	120	ES
	STATIC	"	4PLS-14G-140-8-	120	ES
	HEAT REMOVAL	"	4PLH-14G-140-8-	120	ES
 <p>2 x 8 16 CELLS</p>	AIR SUPPLY / RETURN	2-32 W/T8	4PLA-14G-232-16-	120	ES
	STATIC	"	4PLS-14G-232-16-	120	ES
	HEAT REMOVAL	"	4PLH-14G-232-16-	120	ES
 <p>2 x 8 16 CELLS</p>	AIR SUPPLY / RETURN	2-40 W/T12	4PLA-14G-240-16-	120	ES
	STATIC	"	4PLS-14G-240-16-	120	ES
	HEAT REMOVAL	"	4PLH-14G-240-16-	120	ES

> For other ceiling type see catalog numbering code on PAGE 16, or consult factory.
 > Air control / damper blades are available as an option.

* For other volts and ballast selection = SEE PAGE 16
 ORDERING EX: CAT. NO. = 4PLA-14G-240-16-120-ES

4PL



Maximum shielding for visual comfort.

4" deep cell, parabolic semi- specular aluminum louver. Interlocked mitered corners.

Air functions, cold air supply / return, static, and heat removal.

Recessed air apertures along 2 sides of luminaire housing.

Louver assembly retained with T-hinges and spring loaded cam latches.

Steel housing, white polyester finish.

2' x 2'

T-GRID CEILING	AIR FUNCTIONS	LAMPS	CAT. NO.	VOLTS*	BALLAST*
	AIR SUPPLY / RETURN		4PLA-22G-340X-9-	120	ES
	STATIC	3-40 W/T5/BX	4PLS-22G-340X-9-	120	ES
	HEAT REMOVAL		4PLH-22G-340X-9-	120	ES
	AIR SUPPLY / RETURN		4PLA-22G-331-9-	120	ES
	STATIC	3-31 W/T8/U	4PLS-22G-331-9-	120	ES
	HEAT REMOVAL		4PLH-22G-331-9-	120	ES
	AIR SUPPLY / RETURN		4PLA-22G-417-16-	120	ES
	STATIC	4-17 W/T8	4PLS-22G-417-16-	120	ES
	HEAT REMOVAL		4PLH-22G-417-16-	120	ES
	AIR SUPPLY / RETURN		4PLA-22G-420-16-	120	STD
	STATIC	4-20 W/T12	4PLS-22G-420-16-	120	STD
	HEAT REMOVAL		4PLH-22G-420-16-	120	STD
	AIR SUPPLY / RETURN		4PLA-22G-240-16-	120	ES
	STATIC	2-40 W/T12/U6	4PLS-22G-240-16-	120	ES
	HEAT REMOVAL		4PLH-22G-240-16-	120	ES

> For other ceiling type see catalog numbering code on PAGE 16, or consult factory.

> Air control / damper blades are available as an option.

*For other volts and ballast selection - SEE PAGE 16
 ORDERING EX: CAT. NO. = **4PLA-22G-240-16-120-ES**

4PL



Maximum shielding for visual comfort.

4" deep cell , parabolic semi-specular aluminum louver. Mitered interlocked corners.

Air supply / return, static, or heat removal.

Louver retained with T-hinges and spring loaded cam latches.

Air control / damper blades optional with cold air handling units.

Steel housing finished with baked white polyester powder.

12

2' x 4'

T-GRID CEILING

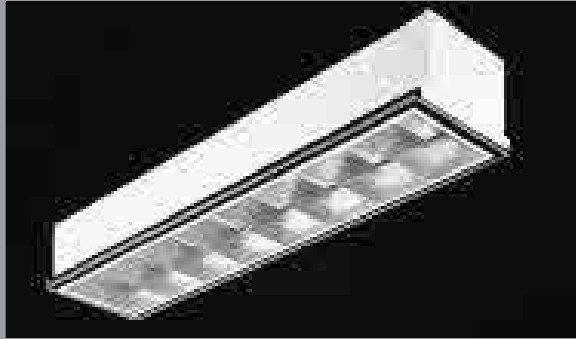
	AIR FUNCTIONS	LAMPS	CAT. NO.	VOLTS*	BALLAST*
<p>2 x 6 12 CELLS</p>	AIR SUPPLY / RETURN		4PLA-24G-232-12-	120	ES
	STATIC	2-32 W/T8	4PLS-24G-232-12-	120	ES
	HEAT REMOVAL		4PLH-24G-232-12-	120	ES
<p>3 x 6 18 CELLS</p>	AIR SUPPLY / RETURN		4PLA-24G-240-12-	120	ES
	STATIC	2-40 W/T12	4PLS-24G-240-12-	120	ES
	HEAT REMOVAL		4PLH-24G-240-12-	120	ES
<p>3 x 6 18 CELLS</p>	AIR SUPPLY / RETURN		4PLA-24G-332-18-	120	ES
	STATIC	3-32 W/T8	4PLS-24G-332-18-	120	ES
	HEAT REMOVAL		4PLH-24G-332-18-	120	ES
<p>4 x 8 32 CELLS</p>	AIR SUPPLY / RETURN		4PLA-24G-340-18-	120	ES
	STATIC	3-40 W/T12	4PLS-24G-340-18-	120	ES
	HEAT REMOVAL		4PLH-24G-340-18-	120	ES
<p>4 x 8 32 CELLS</p>	AIR SUPPLY / RETURN		4PLA-24G-432-32-	120	ES
	STATIC	4-32 W/T8	4PLS-24G-432-32-	120	ES
	HEAT REMOVAL		4PLH-24G-432-32-	120	ES
<p>4 x 8 32 CELLS</p>	AIR SUPPLY / RETURN		4PLA-24G-440-32-	120	ES
	STATIC	4-40 W/T12	4PLS-24G-440-32-	120	ES
	HEAT REMOVAL		4PLH-24G-440-32-	120	ES

> For other ceiling type see catalog numbering code on PAGE 16, or consult factory.

> Air control / damper blades are available as an option.

* For other volts and ballast selection = SEE PAGE 16
ORDERING EX: CAT. NO. = 4PLA-24G-240-12-120-ES

3PL



Maximum shielding for visual comfort.

3" deep cell parabolic semi-specular aluminum louver. Interlocked mitered corners.

Air functions, air supply / return, static, or heat removal.

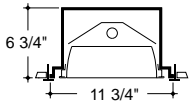
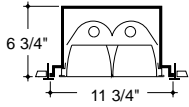
Air control blades available as an option for cold air handling units.

Louver is retained with T- hinges and spring loaded cam latches.

Steel housing. Baked white polyester powder finish.

1' x 4'

T-GRID CEILING

	AIR FUNCTIONS	LAMPS	CAT. NO.	VOLTS*	BALLAST*
	AIR SUPPLY / RETURN		3PLA-14G-132-8-	120	ES
	STATIC	1-32 W/T8	3PLS-14G-132-8-	120	ES
	HEAT REMOVAL		3PLH-14G-132-8-	120	ES
 <p>1 x 8 8 CELLS</p>	AIR SUPPLY / RETURN		3PLA-14G-140-8-	120	ES
	STATIC	1-40 W/T12	3PLS-14G-140-8-	120	ES
	HEAT REMOVAL		3PLH-14G-140-8-	120	ES
 <p>2 x 8 16 CELLS</p>	AIR SUPPLY / RETURN		3PLA-14G-232-16-	120	ES
	STATIC	2-32 W/T8	3PLS-14G-232-16-	120	ES
	HEAT REMOVAL		3PLH-14G-232-16-	120	ES
	AIR SUPPLY / RETURN		3PLA-14G-240-16-	120	ES
	STATIC	2-40 W/T12	3PLS-14G-240-16-	120	ES
	HEAT REMOVAL		3PLH-14G-240-16-	120	ES

- > For other ceiling type see catalog numbering code on PAGE 16, or consult factory.
- > Air control / damper blades are available as an option.

* For other volts and ballast selection = SEE PAGE 16
 ORDERING EX: CAT. NO. = 3PLA-14G-240-16-120-ES

3PL



Maximum shielding for visual comfort.

3" deep cell, parabolic semi-specular aluminum louver. Interlocked mitered corners.

Air functions, cold air supply / return, static, and heat removal.

Recessed air apertures along 2 sides of luminaire housing.

Louver assembly retained with T-hinges and spring loaded cam latches.

Steel housing, white polyester finish.

2' x 2'

T-GRID CEILING	AIR FUNCTIONS	LAMPS	CAT. NO.	VOLTS*	BALLAST*
<p>3 x 3 9 CELLS</p>	AIR SUPPLY / RETURN		3PLA-22G-340X-9-	120	ES
	STATIC	3-40 W/T5/BX	3PLS-22G-340X-9-	120	ES
	HEAT REMOVAL		3PLH-22G-340X-9-	120	ES
<p>3 x 3 9 CELLS</p>	AIR SUPPLY / RETURN		3PLA-22G-331-9-	120	ES
	STATIC	3-31 W/T8/U	3PLS-22G-331-9-	120	ES
	HEAT REMOVAL		3PLH-22G-331-9-	120	ES
<p>4 x 4 16 CELLS</p>	AIR SUPPLY / RETURN		3PLA-22G-417-16-	120	ES
	STATIC	4-17 W/T8	3PLS-22G-417-16-	120	ES
	HEAT REMOVAL		3PLH-22G-417-16-	120	ES
<p>4 x 4 16 CELLS</p>	AIR SUPPLY / RETURN		3PLA-22G-420-16-	120	STD
	STATIC	4-20 W/T12	3PLS-22G-420-16-	120	STD
	HEAT REMOVAL		3PLH-22G-420-16-	120	STD
<p>4 x 4 16 CELLS</p>	AIR SUPPLY / RETURN		3PLA-22G-240-16-	120	ES
	STATIC	2-40 W/T12/U6	3PLS-22G-240-16-	120	ES
	HEAT REMOVAL		3PLH-22G-240-16-	120	ES

> For other ceiling type see catalog numbering code on PAGE 16, or consult factory.

> Air control / damper blades are available as an option.

*For other volts and ballast selection - SEE PAGE 16
 ORDERING EX: CAT. NO. = 3PLA-22G-240-16-120-ES

3PL



Maximum efficiency, superior distribution.

3" deep cell, parabolic semi-specular aluminum louver. Mitered interlocked corners.

Air supply / return, static, or heat removal.

Louver retained with T-hinges and spring loaded cam latches.

Air control / damper blades optional with cold air handling units.

Steel housing finished with baked white polyester powder.

2' x 4'

T-GRID CEILING

	AIR FUNCTIONS	LAMPS	CAT. NO.	VOLTS*	BALLAST*
<p>2 x 6 12 CELLS</p>	AIR SUPPLY / RETURN		3PLA-24G-232-12-	120	ES
	STATIC	2-32 W/T8	3PLS-24G-232-12-	120	ES
	HEAT REMOVAL		3PLH-24G-232-12-	120	ES
	AIR SUPPLY / RETURN		3PLA-24G-240-12-	120	ES
	STATIC	2-40 W/T12	3PLS-24G-240-12-	120	ES
	HEAT REMOVAL		3PLH-24G-240-12-	120	ES
<p>3 x 6 18 CELLS</p>	AIR SUPPLY / RETURN		3PLA-24G-332-18-	120	ES
	STATIC	3-32 W/T8	3PLS-24G-332-18-	120	ES
	HEAT REMOVAL		3PLH-24G-332-18-	120	ES
	AIR SUPPLY / RETURN		3PLA-24G-340-18-	120	ES
	STATIC	3-40 W/T12	3PLS-24G-340-18-	120	ES
	HEAT REMOVAL		3PLH-24G-340-18-	120	ES
<p>4 x 8 32 CELLS</p>	AIR SUPPLY / RETURN		3PLA-24G-432-32-	120	ES
	STATIC	4-32 W/T8	3PLS-24G-432-32-	120	ES
	HEAT REMOVAL		3PLH-24G-432-32-	120	ES
	AIR SUPPLY / RETURN		3PLA-24G-440-32-	120	ES
	STATIC	4-40 W/T12	3PLS-24G-440-32-	120	ES
	HEAT REMOVAL		3PLH-24G-440-32-	120	ES

20" x 48"

20" x 60"

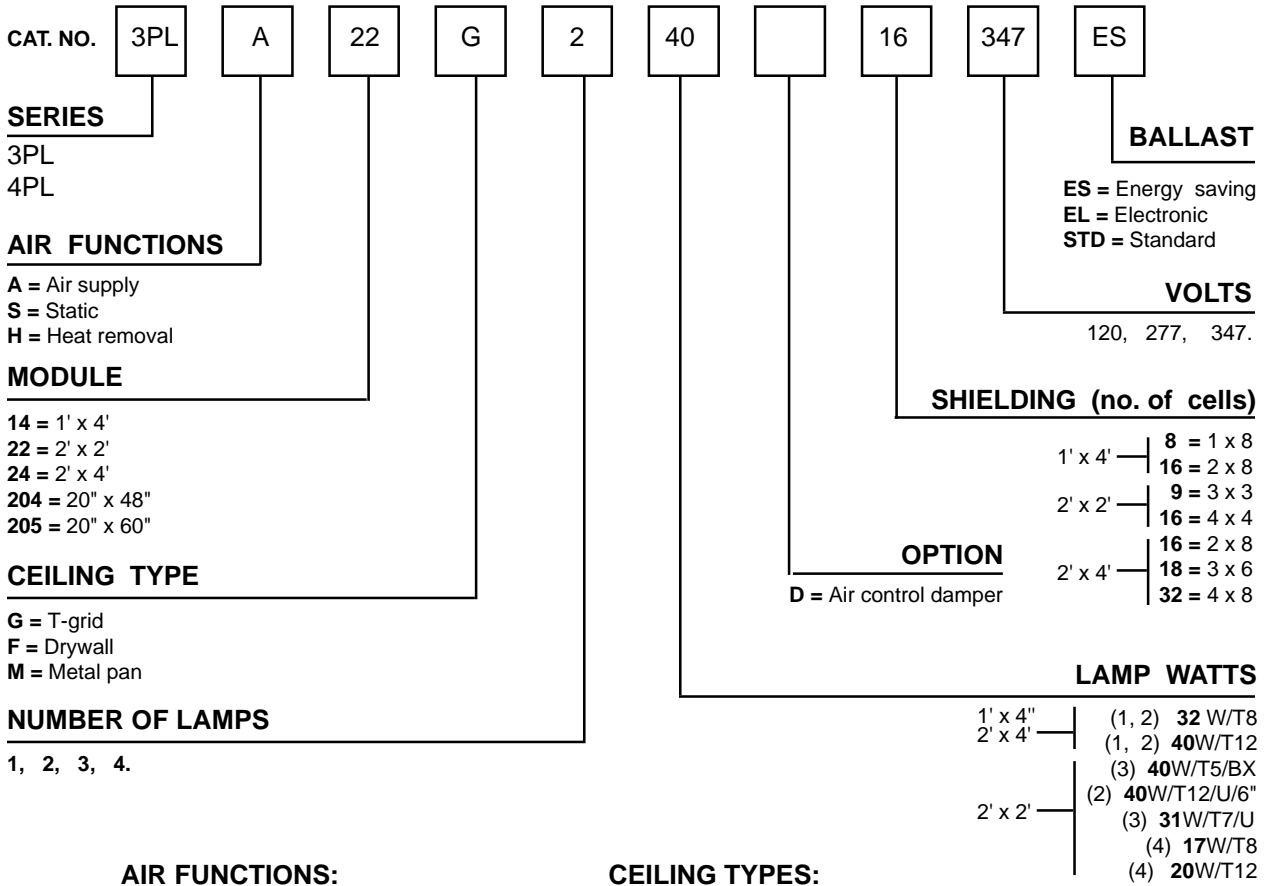
Luminaires are available for **20" x 48"** and **20" x 60"** with extension plates for T-grid ceiling. To order these, replace CAT.NO. with **3PL_204G...** for 20" x 48" and with **3PL_205G...** for 20" x 60".

- > For other ceiling type installation see catalog numbering code on PAGE 16, or consult factory.
- > Air control / damper blades are available as an option.

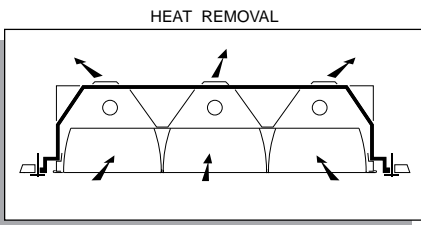
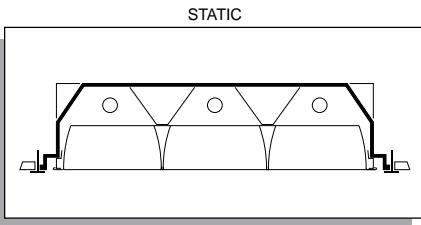
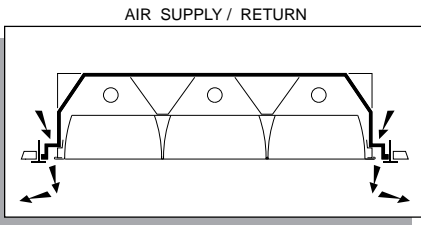
* For other volts and ballast selection = SEE PAGE 16
ORDERING EX: **CAT. NO. = 3PLA-24G-240-12-120-ES**

"3PL & 4PL" series

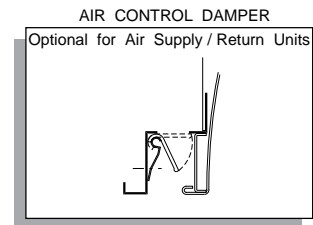
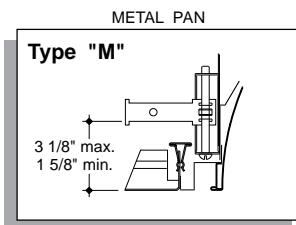
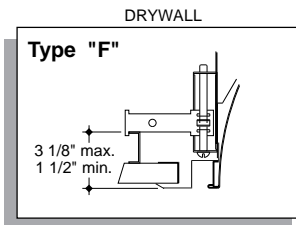
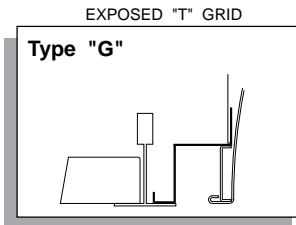
CATALOG NUMBERING CODE



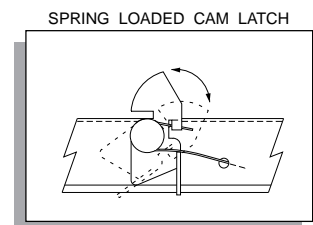
AIR FUNCTIONS:



CEILING TYPES:



FOR OTHER
CEILING SYSTEMS
CONSULT FACTORY.



ENERGY SAVING

SPECULAR

HYDRO-TECH

WE OFFER THE WIDEST RANGE OF ENERGY SAVING SPECULAR SILVER INTERIOR PRODUCTS AND HAVE DEVELOPED THE HYDRO-TECH SERIES OF FLUORESCENT LUMINAIRES THAT ARE SECOND TO NONE IN PERFORMANCE AND QUALITY.

A SUPER REFLECTIVE INTERIOR SURFACE IS USED FOR THESE LUMINAIRES.

HIGH EFFICIENCY IS OBTAINED BY EMPLOYING A PREFINISHED MATERIAL CONSISTING OF A SILVER-METALIZED FILM ON A METAL SUBSTRATE, RESULTING IN A 96% TOTAL HEMISPHERICAL REFLECTANCE, PRODUCING UP TO 99% OF THE LAMPS COLOUR RENDITION. A SUPERIOR MATERIAL DESIGNED FOR THE LIGHTING INDUSTRY RESULTING IN HIGH PERFORMANCE AND ENHANCED QUALITY OF LIGHT.

PRODUCTS IDENTIFIED WITH THE **HT** **SPECULAR** DESIGNATION IN THE CATALOGUE CAN BE PROVIDED WITH THE HYDRO-TECH SPECULAR SILVER INTERIOR, SPECULAR REFLECTORS OR WITH A COMBINATION OF BOTH DEPENDING ON THE MODEL. PLEASE CONSULT FACTORY FOR YOUR REQUIREMENTS.

PHOTOMETRIC DATA IS AVAILABLE ON REQUEST.

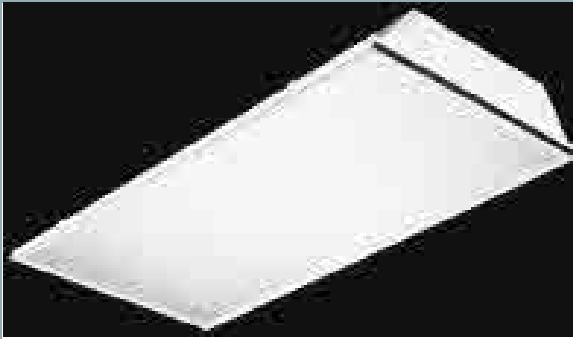
A SELECTION OF ENERGY SAVING OR ELECTRONIC BALLASTS COMBINED WITH IMPROVED LAMP TECHNOLOGY SUPPLEMENTS THE TOTAL ENERGY EFFICIENT LIGHTING PACKAGE.

OTHER SAVINGS INCLUDE MINIMUM MAINTENANCE, THE SMOOTH SURFACE HAS LESS TENDENCY TO COLLECT DIRT AND DUST. A 2% LOSS OF EFFICIENCY IS EXPECTED OVER A FIVE YEAR SPAN.

THE HYDRO-TECH ENERGY EFFICIENT PRODUCTS ARE AN EXCELLENT CHOICE FOR NEW INSTALLATIONS BEING SPECIFIED AND FOR REPLACING FIXTURES IN EXISTING INSTALLATIONS.

RECESSED FLUORESCENT LUMINAIRES FOR T-GRID CEILING 1' X 4' 2' X 2' 2' X 4'

LACH



Recessed lay-in luminaires for T-GRID ceiling.

Shallow profile, 4 1/4" deep housing.

Steel framed lens with hook hinges and positive action cam latches.

Unique hook hinges will not disengage frame accidentally when opened for servicing.

No.12 clear acrylic diffuser supplied as standard. See other options below.

Rigid die embossed steel housing. White finish.

FLUSH HINGED STEEL FRAME WITH DIFFUSER

18

1' X 4' T-GRID CEILING	LAMPS	CAT. NO.	VOLTS*	BALLAST*
	1-32 W/T8	LACH-14G-132-12-	120	ES
	1-40 W/T12	LACH-14G-140-12-	120	ES
	2-32 W/T8	LACH-14G-232-12-	120	ES
	2-40 W/T12	LACH-14G-240-12-	120	ES
2' X 2'				
	4-17 W/T8	LACH-22G-417-12-	120	ES
	4-20 W/T12	LACH-22G-420-12-	120	STD
	2-31 W/T8/U/6	LACH-22G-231-12-	120	ES
	2-40 W/T5/BX	LACH-22G-240X-12-	120	ES
	2-40 W/T12/U/6	LACH-22G-240-12-	120	ES
2' X 4'				
	2-32 W/T8	LACH-24G-232-12-	120	ES
	2-40 W/12	LACH-24G-240-12-	120	ES
	3-32 W/T8	LACH-24G-332-12-	120	ES
	3-40 W/T12	LACH-24G-340-12-	120	ES
	4-32 W/T8	LACH-24G-432-12-	120	ES
	4-40 W/T12	LACH-24G-440-12-	120	ES

DIFFUSERS:- #12 pattern clear acrylic diffuser is supplied as standard.

OPTIONAL SELECTIONS AVAILABLE

- 19 = #19 pattern clear acrylic.
- SLA = 1/2" x 1/2" x 1/2" acrylic silver parabolic.
- P3A = 3" x 3" x 1 1/2" acrylic silver parabolic.

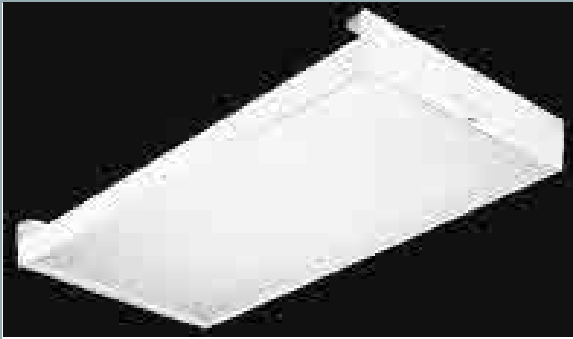
REPLACE _-12- in CAT. NO. with your selection above.



* For other volts and ballast selection = SEE PAGE 34
 ORDERING EX: CAT. NO. = LACH-24G-240-12-120-ES

RECESSED FLUORESCENT LUMINAIRES FOR T-GRID CEILING 1' X 4' 2' X 2' 2' X 4'

NITO



LAY-IN DIFFUSER

Recessed lay-in luminaires for T-GRID ceiling.

Lay-in no. 12 clear acrylic prismatic diffuser supplied as standard.

Other diffuser styles are available with assorted hinged lay-in steel or aluminum frames. See PAGE 34 for your selection.

Steel housing. White finish.

1' X 4' T-GRID CEILING	LAMPS	CAT. NO.	VOLTS*	BALLAST*
	1-32 W/T8	NITO-14G-132-12-	120	ES
	1-40 W/T12	NITO-14G-140-12-	120	ES
	2-32 W/T8	NITO-14G-232-12-	120	ES
	2-40 W/T12	NITO-14G-240-12-	120	ES
2' X 2'				
	4-17 W/T8	NITO-22G-417-12-	120	ES
	4-20 W/T12	NITO-22G-420-12-	120	STD
	2-31 W/T8/U/6	NITO-22G-231-12-	120	ES
	2-40 W/T5/BX	NITO-22G-240X-12-	120	ES
	2-40 W/T12/U/6	NITO-22G-240-12-	120	ES
2' X 4'				
	2-32 W/T8	NITO-24G-232-12-	120	ES
	2-40 W/12	NITO-24G-240-12-	120	ES
	3-32 W/T8	NITO-24G-332-12-	120	ES
	3-40 W/T12	NITO-24G-340-12-	120	ES
	4-32 W/T8	NITO-24G-432-12-	120	ES
	4-40 W/T12	NITO-24G-440-12-	120	ES

HT **SPECULAR**
see page 17

* For other volts and ballast selection = SEE PAGE 34
ORDERING EX: **CAT. NO. =NITO-24G-240-12-120-ES**

RECESSED FLUORESCENT LUMINAIRES FOR T-GRID, DRYWALL, AND METAL PAN CEILINGS

TL



Luminaires with integrated hinged framed diffuser

Steel frame of welded construction, with positive latching.

Latch mechanism activated with finger pressure on lens. To open press lens. To close press frame.

Supplied with no. 12 clear acrylic diffuser. Other lens options available, see PAGE 34.

Interior white reflector.

Steel housing. Baked white polyester finish.

20

1' x 4'

T-GRID CEILING

LAMPS

CAT. NO.

VOLTS* BALLAST*

	1-32 W/T8	TL-14G-132-12-	120	ES
	1-40 W/T12	TL-14G-140-12-	120	ES
	2-32 W/T8	TL-14G-232-12-	120	ES
	2-40 W/T12	TL-14G-240-12-	120	ES

DRYWALL CEILING

CEILING OPENING REQUIRED 11½" x 48½"

	1-32 W/T8	TL-14F-132-12-	120	ES
	1-40 W/T12	TL-14F-140-12-	120	ES
	2-32 W/T8	TL-14F-232-12-	120	ES
	2-40 W/T12	TL-14F-240-12-	120	ES

METAL PAN CEILING

	1-32 W/T8	TL-14M-132-12-	120	ES
	1-40 W/T12	TL-14M-140-12-	120	ES
	2-32 W/T8	TL-14M-232-12-	120	ES
	2-40 W/T12	TL-14M-240-12-	120	ES

HT **SPECULAR**
see page 17

* For other volts and ballast selection = SEE PAGE 34

ORDERING EX: **CAT. NO. = TL-14G-240-12-120-ES**

RECESSED FLUORESCENT LUMINAIRES FOR T-GRID, DRYWALL, AND METAL PAN CEILINGS

TL



Luminaires with integrated hinged framed diffuser

Steel frame of welded construction, with positive latching.

The latch mechanism is activated with finger pressure on the lens. To open, press lens. To close, press frame.

Supplied with no. 12 clear acrylic diffuser. Other lens options are available, see PAGE 34.

Interior white reflector.

Steel housing. Baked white polyester finish.

2' x 2'

T-GRID CEILING

LAMPS

CAT. NO.

VOLTS* BALLAST*

	4-17 W/T8	TL-22G-417-12-	120	ES
	4-20 W/T12	TL-22G-420-12-	120	STD
	2-31 W/T8/U6"	TL-22G-231-12-	120	ES
	2-40 W/T12/U6"	TL-22G-240-12-	120	ES

DRYWALL CEILING

CEILING OPENING REQUIRED 23½" x 24½"

	4-17 W/T8	TL-22F-417-12-	120	ES
	4-20 WT12	TL-22F-420-12-	120	STD
	2-31 W/T8/U6"	TL-22F-231-12-	120	ES
	2-40 W/T12/U6"	TL-22F-240-12-	120	ES

METAL PAN CEILING

	4-17 W/T8	TL-22M-417-12-	120	ES
	4-20 W/T12	TL-22M-420-12-	120	STD
	2-31 W/T8/U6"	TL-22M-231-12-	120	ES
	2-40 W/T12/U6"	TL-22M-240-12-	120	ES

HT SPECULAR
see page 17

* For other volts and ballast selection = SEE PAGE 34
ORDERING EX: CAT. NO. = TL-22G-240-12-120-ES

RECESSED FLUORESCENT LUMINAIRES FOR T-GRID, DRYWALL, AND METAL PAN CEILINGS

TL



Luminaires with integrated hinged framed diffuser.

Steel frame of welded construction, with positive latching.

Latch mechanism activated with finger pressure on lens. To open press lens. To close press frame.

Supplied with no. 12 clear acrylic diffuser. Other lens options available, see PAGE 34.

Interior white reflector.

Steel housing. Baked white polyester finish.

2' x 4'

T-GRID CEILING

	LAMPS	CAT. NO.	VOLTS*	BALLAST*
	2-32 W/T8	TL-24G-232-12-	120	ES
	2-40 W/T12	TL-24G-240-12-	120	ES
	3-32 W/T8	TL-24G-332-12-	120	ES
	3-40 W/T12	TL-24G-340-12-	120	ES
	4-32 W/T8	TL-24G-432-12-	120	ES
	4-40 W/T12	TL-24G-440-12-	120	ES

DRYWALL CEILING

CEILING OPENING REQUIRED 23½" x 48½"

	2-32 W/T8	TL-24F-232-12-	120	ES
	2-40 W/T12	TL-24F-240-12-	120	ES
	3-32 W/T8	TL-24F-332-12-	120	ES
	3-40 W/T12	TL-24F-340-12-	120	ES
	4-32 W/T8	TL-24F-432-12-	120	ES
	4-40 W/T12	TL-24F-440-12-	120	ES

METAL PAN CEILING

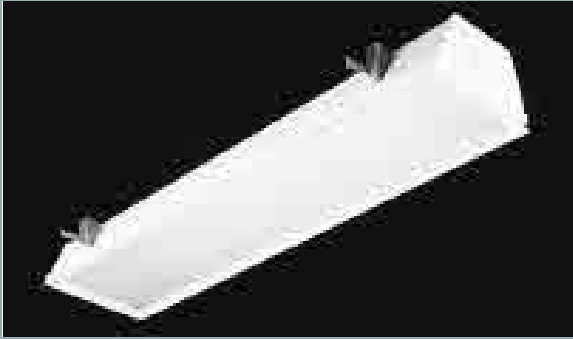
	2-32 W/T8	TL-24M-232-12-	120	ES
	2-40 W/T12	TL-24M-240-12-	120	ES
	3-32 W/T8	TL-24M-332-12-	120	ES
	3-40 W/T12	TL-24M-340-12-	120	ES
	4-32 W/T8	TL-24M-432-12-	120	ES
	4-40 W/T8	TL-24M-440-12-	120	ES

HT **SPECULAR**
see page 17

* For other volts and ballast selection = SEE PAGE 16
ORDERING EX: CAT. NO. =TL-24G-240-12-120-ES

RECESSED FLUORESCENT LUMINAIRES FOR T-GRID, DRYWALL, AND METAL PAN CEILINGS

SL



Luminaires with integrated hinged framed diffuser

Steel frame of welded construction, with positive latching.

Frame is retained with pin hinges and a slide latching device fastened with thumb screws.

Supplied with no. 12 clear acrylic diffuser. Other lens options are available, see PAGE 34.

Interior white reflector.

Steel housing. Baked white polyester finish.

23

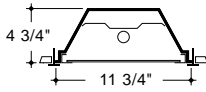
1' x 4'

T-GRID CEILING

LAMPS

CAT. NO.

VOLTS* BALLAST*



1-32 W/T8

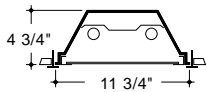
SL-14G-132-12-

120 ES

1-40 W/T12

SL-14G-140-12-

120 ES



2-32 W/T8

SL-14G-232-12-

120 ES

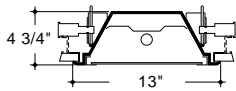
2-40 W/T12

SL-14G-240-12-

120 ES

DRYWALL CEILING

CEILING OPENING REQUIRED 11 1/2" x 48 1/2"



1-32 W/T8

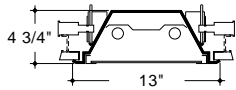
SL-14F-132-12-

120 ES

1-40 W/T12

SL-14F-140-12-

120 ES



2-32 W/T8

SL-14F-232-12-

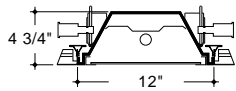
120 ES

2-40 W/T12

SL-14F-240-12-

120 ES

METAL PAN CEILING



1-32 W/T8

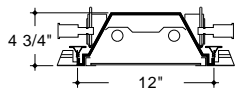
SL-14M-132-12-

120 ES

1-40 W/T12

SL-14M-140-12-

120 ES



2-32 W/T8

SL-14M-232-12-

120 ES

2-40 W/T12

SL-14M-240-12-

120 ES

For **Protected series** with **tamper resistant screws** and **polycarbonate** or **acrytuf lens** consult factory.

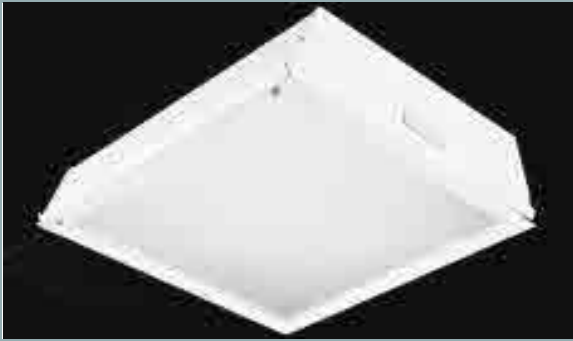
HT **SPECULAR**
see page 17

* For other volts and ballast selection = SEE PAGE 34

ORDERING EX: **CAT. NO. = SL-14G-240-12-120-ES**

RECESSED FLUORESCENT LUMINAIRES FOR T-GRID, DRYWALL, AND METAL PAN CEILINGS

SL



Luminaires with integrated hinged framed diffuser

Steel frame of welded construction, with positive latching.

Frame is retained with pin hinges and a slide latching device fastened with thumb screws.

Supplied with no. 12 clear acrylic diffuser. Other lens options are available, see PAGE 34.

Interior white reflector.

Steel housing. Baked white polyester finish.

24

2' x 2'

T-GRID CEILING

	LAMPS	CAT. NO.	VOLTS*	BALLAST*
	4-17 W/T8	SL-22G-417-12-	120	ES
	4-20 W/T12	SL-22G-420-12-	120	STD
	2-31 W/T8/U6"	SL-22G-231-12-	120	ES
	2-40 W/T12/U6"	SL-22G-240-12-	120	ES

DRYWALL CEILING

CEILING OPENING REQUIRED 23½" x 24½"

	4-17 W/T8	SL-22F-417-12-	120	ES
	4-20 WT12	SL-22F-420-12-	120	STD
	2-31 W/T8/U6"	SL-22F-231-12-	120	ES
	2-40 W/T12/U6"	SL-22F-240-12-	120	ES

METAL PAN CEILING

	4-17 W/T8	SL-22M-417-12-	120	ES
	4-20 W/T12	SL-22M-420-12-	120	STD
	2-31 W/T8/U6"	SL-22M-231-12-	120	ES
	2-40 W/T12/U6"	SL-22M-240-12-	120	ES

For **Protected series** with **tamper resistant screws** and **polycarbonate** or **acrytuf** lens - consult factory.

HT SPECULAR
see page 17

* For other volts and ballast selection = SEE PAGE 34
ORDERING EX: **CAT. NO. = SL-22G-240-12-120-ES**

RECESSED FLUORESCENT LUMINAIRES FOR T-GRID, DRYWALL, AND METAL PAN CEILINGS

SL



Luminaires with integrated hinged framed diffuser.

Steel frame of welded construction, with positive latching.

Frame is retained with pin hinges and a slide latching device fastened with thumb screws.

Supplied with no. 12 clear acrylic diffuser. Other lens options available, see PAGE 34.

Interior white reflector.

Steel housing. Baked white polyester finish.

2' x 4'

T-GRID CEILING

	LAMPS	CAT. NO.	VOLTS*	BALLAST*
	2-32 W/T8	SL-24G-232-12-	120	ES
	2-40 W/T12	SL-24G-240-12-	120	ES
	3-32 W/T8	SL-24G-332-12-	120	ES
	3-40 W/T12	SL-24G-340-12-	120	ES
	4-32 W/T8	SL-24G-432-12-	120	ES
	4-40 W/T12	SL-24G-440-12-	120	ES

DRYWALL CEILING

CEILING OPENING REQUIRED 23½" x 48½"

	2-32 W/T8	SL-24F-232-12-	120	ES
	2-40 W/T12	SL-24F-240-12-	120	ES
	3-32 W/T8	SL-24F-332-12-	120	ES
	3-40 W/T12	SL-24F-340-12-	120	ES
	4-32 W/T8	SL-24F-432-12-	120	ES
	4-40 W/T12	SL-24F-440-12-	120	ES

METAL PAN CEILING

	2-32 W/T8	SL-24M-232-12-	120	ES
	2-40 W/T12	SL-24M-240-12-	120	ES
	3-32 W/T8	SL-24M-332-12-	120	ES
	3-40 W/T12	SL-24M-340-12-	120	ES
	4-32 W/T8	SL-24M-432-12-	120	ES
	4-40 W/T8	SL-24M-440-12-	120	ES

For **Protected series** with tamper resistant screws and polycarbonate or acrytuf lens consult factory.

HT SPECULAR
see page 17

* For other volts and ballast selection = SEE PAGE 16
ORDERING EX: **CAT. NO. =SL-24G-240-12-120-ES**

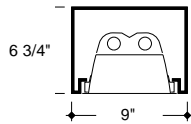
Custom Lighting Products

WE DO CUSTOM LIGHTING FOR PROJECTS AS PER YOUR SPECIFICATION.

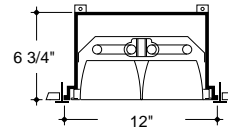
FOR DETAILS OR PROJECT REQUESTS CONSULT FACTORY.

Following are examples of some custom-made luminaires:

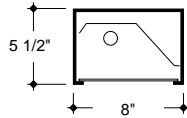
SURFACE MOUNTED 48" LUMINAIRE WITH 3" DEEP ALUMINUM PARABOLIC LOUVER. ONE OR TWO LAMPS.



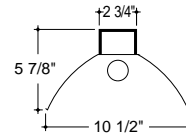
RECESSED 1' x 1' LUMINAIRE WITH 3" DEEP ALUMINUM PARABOLIC LOUVER (LENS AN OPTION). FOR 2D OR PL TYPE LAMPS.



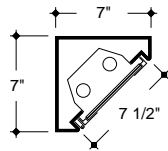
SURFACE MOUNTED - WALL WASHER. ASYMMETRIC LIGHT DISTRIBUTION.



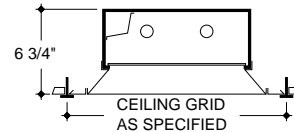
HIGH EFFICIENCY LUMINAIRE. SPECULAR REFLECTORS.



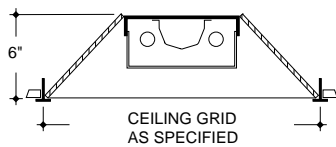
CORNER MOUNTED LUMINAIRE. TAMPER RESISTANT SCREWS. POLYCARBONATE LENS.



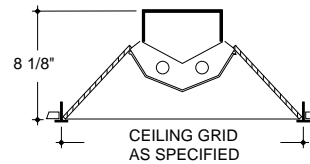
RECESSED COFFER. AIR HANDLING OR STATIC. METAL SIDES. LAY-IN DIFFUSER OR FRAME.



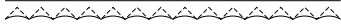
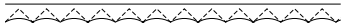

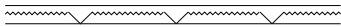
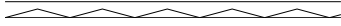
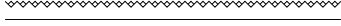
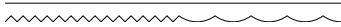

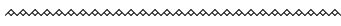


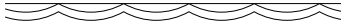


RECESSED COFFER. WRAP-AROUND CLEAR PRISMATIC DIFFUSER.. METAL ENDS. TILE SIDES (BY OTHERS).



RECESSED COFFER. WRAP-AROUND CLEAR PRISMATIC DIFFUSER.. METAL ENDS. TILE SIDES (BY OTHERS).



Optional lenses and louvers available with luminaires listed in this catalogue:

		SHIELDING No.
Clear acrylic lens. Basic industry standard. Female conical prisms. 32°. Economy - Performance. Available thickness:.095" -.100" -.110" -.115" -.125". Nominal thickness from supplier.		12
Clear acrylic lens. Female conical prisms 30°.		15
Clear acrylic lens. Male conical prisms. 3/16" sq. base.		19
Clear acrylic prismatic lens. 0.080" inversed hexagon embossed within a 3/4" x 3/4" louvre type cell.		22
Clear acrylic lenses with female conical circular base prisms of 3/8" dia. Running parallel and perpendicular to the length and width of the panel. Available:.100" and .125".		23
Radialens: Acrylic male tri-planer prisms. Bat-Wing distribution prisms face lamp cavity. Available: R1 -.150" R2-.125".		Radialens: R1 R2
Acrylic lens with parallel section of fluted and prisms refractive surface. See better with less light.		K3E
Acrylic lens injection moulded. Conical shaped male prisms on square base.		Holophane: 6144 6244
Clear acrylic lens. Conical shaped male prisms with hexagonal base. Obscures lamp image.		Holophane: 6150
Clear acrylic injection moulded lens. Conical shaped prisms with square base.		Holophane: 6251
Clear acrylic injection moulded lens. Light controlled by hexagonal hemispherical refractive elements low brightness. VCP 70. Obscures lamp image.		Holophane: 8224
Injection moulded clear acrylic lens .240" with optical interface .040" sonically welded acrylic to the upper surface of the Refractive grid.		Holophane: 8246
White acrylic louver. 45° cut-off. Open Cell.1/2" sq. grids.		Plastigrid Louver
Parabolic louver. Silver or gold specular finish. 45° shielding. Excellent brightness control. Available in Acrylic.		Parabolic Louver

AVAILABLE OPTIONS:

(consult factory)

METRIC FIXTURES (available on request)

PREWIRED

Cord set 3 M Long 3-#14 wire, ST insulation, 105°C with moulded "U" ground cap in 120V or 347V configuration CSA certified. Quick-connect plugs prewired CSA certified.

BALLAST

Energy saving ballasts.
R.S ballast for cold weather starting.
Dimming ballast.
Electronic ballasts.

FUSING

H.R.C. Fuse and fuse holders.

LAMP

Lamps installed during fixture assembly (not on all products - consult factory).

R.F.I. SUPPRESSOR

Inductive capacitor filter minimizes interference from line radiation or feedback.
Capacitor filter only.

R.F.I. SHIELDING

Radio frequency interference shielding filters and grounds out radiated interference from fluorescent lamps.

VANDAL RESISTANT (available on certain models only)

Tamper resistant hardware to secure steel framed lens.
Vandal resistant polycarbonate lens.
High impact resistant "Acry-Tuf" Lens.

NIGHT LIGHT (available on certain models only)

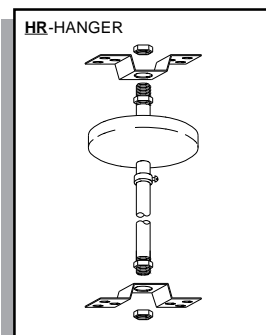
EMERGENCY LIGHTING

Sealed power pack. Illuminates (1) lamp at 50% output for 30 Minutes or more if desired.
Rechargeable during normal AC operation.

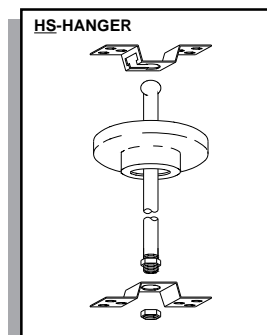
STRETCH WRAPPED

Cartoned fixtures secured on pallet by plastic stretch film.
Uncartoned fixtures on pallets secured by corner protectors and stretch film.

HANGERS



3/8" I.P.S. RIGID Hanger	LENGTH	3/8" I.P.S. BALL Hanger
HR-6	6"	HS-6
HR-12	12"	HS-12
HR-18	18"	HS-18
HR-24	24"	HS-24
HR-30	30"	HS-30
HR-36	36"	HS-36
HR-42	42"	HS-42
HR-48	48"	HS-48



QUICK SELECT OR CHART

The quick selector chart was determined in accordance with current IES published procedures, based upon the following criterias:

Average maintained illumination = 70 footcandles
 Light Loss Factor (LLF) = 0.75
 Reflectances: Ceiling = 80%
 Wall = 50%
 Floor = 20%
 Work plane height = 2.5 feet

For other footcandle levels (fc):

Number of luminaires required = $\frac{\text{(TABLE VALUE x NEW fc. LEVEL)}}{70}$

For other light Loss Factors (LLF):

Number of luminaires required = $\frac{\text{(TABLE VALUE x 0.75)}}{\text{new LLF}}$

ROOM DIMENSION IN FEET		LUMINAIRES REQUIRED FOR 70 FOOTCANDLES HEIGHT				CAT.NO. LACH-448-12 (LACH-24G-440-12) LSC TEST NO. 1443
		8.5	10.0	13.0	16.0	
W	L					
20	20	5	5	6	7	LIGHT LOSS FACTOR (LLF) = 0.75 REFLECTANCE C = 80% W = 50% F = 20% WORKPLANE = 2.5 FT LUMINAIRES REQUIRED FOR OTHER FOOTCANDLE LEVELS AND LIGHT LOSS FACTORS see: Quick Selector Chart
20	30	7	8	9	10	
20	40	9	10	11	12	
30	30	10	11	12	13	
30	60	19	20	22	23	
40	30	13	14	15	17	
40	60	25	26	27	29	
40	100	40	41	44	46	
60	60	36	37	39	41	
60	80	48	49	51	53	
60	100	61	60	63	66	
100	40	40	41	44	46	
100	70	82	81	82	85	

ROOM DIMENSION IN FEET		LUMINAIRES REQUIRED FOR 70 FOOTCANDLES HEIGHT				CAT.NO. NIRA-296 (NIRA-8-275) ERL TEST NO. 4141
		8.5	10.0	13.0	16.0	
W	L					
20	20	3	3	4	5	LIGHT LOSS FACTOR (LLF) = 0.75 REFLECTANCE C = 80% W = 50% F = 20% WORKPLANE = 2.5 FT LUMINAIRES REQUIRED FOR OTHER FOOTCANDLE LEVELS AND LIGHT LOSS FACTORS see: Quick Selector Chart
20	40	6	7	7	8	
30	30	7	7	8	9	
30	60	14	14	15	16	
40	30	9	10	10	11	
40	60	18	18	20	21	
40	100	30	30	32	33	
60	30	14	14	15	16	
60	60	26	27	28	30	
60	100	44	44	46	48	
100	40	30	30	32	33	
100	80	58	59	60	62	

ROOM DIMENSION IN FEET		LUMINAIRES REQUIRED FOR 70 FOOTCANDLES HEIGHT				CAT.NO. PF-248 (PF-4-240-7100) ERL TEST NO. 6606
		8.5	10.0	13.0	16.0	
W	L					
20	20	8	9	10	11	LIGHT LOSS FACTOR (LLF) = 0.75 REFLECTANCE C = 80% W = 50% F = 20% WORKPLANE = 2.5 FT LUMINAIRES REQUIRED FOR OTHER FOOTCANDLE LEVELS AND LIGHT LOSS FACTORS see: Quick Selector Chart
20	40	16	17	19	20	
30	30	18	19	20	22	
30	60	35	36	38	40	
40	30	23	24	26	28	
40	60	45	47	49	52	
40	100	75	76	80	83	
60	30	35	36	38	40	
60	60	67	68	71	74	
60	100	110	112	115	119	
100	40	75	76	80	83	
100	80	145	147	151	156	

ROOM DIMENSION IN FEET		LUMINAIRES REQUIRED FOR 70 FOOTCANDLES HEIGHT				CAT.NO. ISTA-248 (ISTA-4-240) ERL TEST NO. 4142
		8.5	10.0	13.0	16.0	
W	L					
20	20	7	7	8	10	LIGHT LOSS FACTOR (LLF) = 0.75 REFLECTANCE C = 80% W = 50% F = 20% WORKPLANE = 2.5 FT LUMINAIRES REQUIRED FOR OTHER FOOTCANDLE LEVELS AND LIGHT LOSS FACTORS see: Quick Selector Chart
20	40	13	14	15	17	
30	30	15	15	17	18	
30	60	28	29	31	33	
40	30	19	20	22	23	
40	60	37	38	40	43	
40	100	60	62	65	68	
60	30	28	29	31	33	
60	60	54	55	58	61	
60	100	89	90	94	98	
100	40	60	62	65	68	
100	80	117	119	123	127	

ALPHABETICAL INDEX

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3PL 1x4	13	CL 30x30	33	IST 2-lamp	59	NIR	58	SCT	50
3PL 2x2	14	CLOUDLINE	40	IST 3-lamp	60	NIRA	58	SL 1x4	23
3PL 2x4	15	CN	42	IWPS	66	NITO	19	SL 2x2	24
3PL/4PL*	16	CO	43	KOPA	37	OAKLINE	41	SL 2x4	25
4PL 1x4	10	CR	43	LACH	18	OPL	4	SMS	62
4PL 2x2	11	CVA	46	LDX	48	OPL 1x4	5	SSL	63
4PL 2x4	12	DC	54	LHO	57	OPL 2x2	6	TL 1x4	20
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CI	42	ILS	61	LX	39	RSL	28	WPSP	65

* catalogue numbering code

GENERAL INFORMATION

- **Fixtures and all component parts are listed and certified by C.S.A. and/or UL as required.**
- Luminaires are available for metric ceiling modules and for T-12 metric lamps. Consult factory for details.
- Standard luminaires are supplied for 115-120 V.AC 60HZ operation. Other voltages are available on request only.
- Listed ballasts are Magnetic, Energy Saving or Standard. For other types of ballasts consult factory.
- Cancellations of orders in process covering regularly listed catalog items will be subject to a minimum cancellation charge of 50%.
Cancellation of orders for special luminaires or materials will not be accepted.
- Inquiries are invited for special luminaires. Please contact one of our sales offices - see back cover.
- All our products are finished with baked white enamel or polyester powder coating.
- We reserve the right to make technical modifications without altering the general appearance of our products when installed.

PEERLESS ELECTRIC CO. LTD.

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