

YOU'VE SEEN IT BEFORE. YOU'VE NEVER SEEN ANYTHING LIKE IT.

**IceTray®**  
P E E R L E S S®

[www.peerless-lighting.com](http://www.peerless-lighting.com)





Somewhere between  
yesterday and tomorrow.

When retro whimsy meets high-performance illumination, the result can only be show and tell. Loosely based on the classroom baffle luminaires of childhood, the IceTray family is a designer's dream for commercial offices, high-energy retail environments and, of course, schools. With a price point targeting every cost-conscious organization, this people-pleasing solution means you don't have to lower your style standards in pursuit of affordability.

# IceTray Indirect/Direct

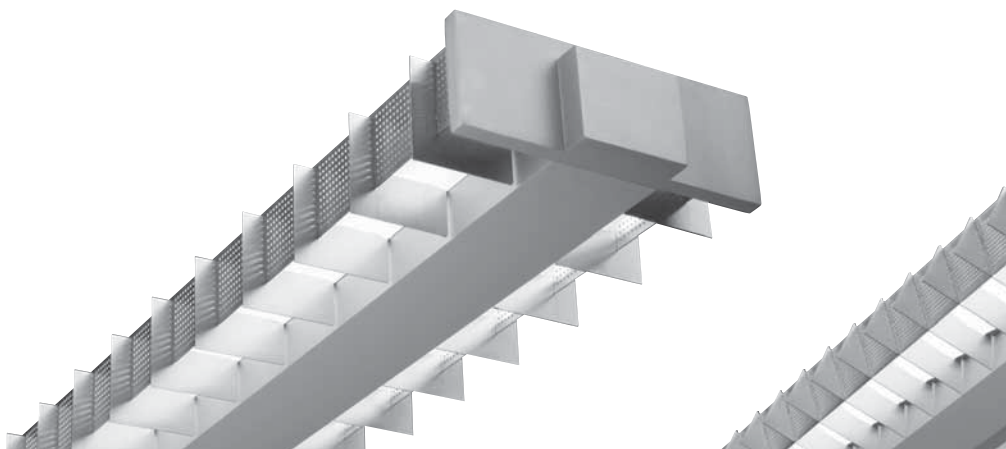
Yesterday's classroom luminaire becomes tomorrow's show and tell.

The crisp definition of the rectangular and angular baffle provides structure and balance to industrial-looking environments. Meanwhile, the smooth form of the curved series softens and conveys the familiar. Versatility never looked this good with seven different distribution options ranging from 80/20 to 5/95. Spark creativity by designing IceTray Indirect/Direct configurations with corner, X, T and tenon pattern connectors as building blocks. With an economical price point, high performance and cool looks, IceTray Indirect/Direct receives high marks.



**IRM8**

Rectangular Indirect/Direct



## specifications

### CONSTRUCTION

Extruded aluminum spine. Aluminum baffle assembly. Die-cast aluminum end caps on IRM8 and IAM8. Steel end plates with die-cast aluminum end caps on ICM8.

### SHIELDING

Straight blade baffle with perforated side reflector/shield. Opal acrylic diffuser overlay standard with T5 or T5HO lamps, optional with T8 lamps.

### REFLECTORS

Die-formed pre-painted white steel reflector and perforated aluminum side reflector/shield.

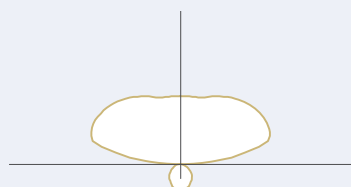
### FINISH

Satin anodized or white polyester powder paint. Satin anodized finish consists of satin anodized housing, clear coated aluminum baffles and end caps painted C110 to match. Note that clear coated aluminum baffles retain the slight imperfections and characteristics of the raw aluminum source material. Custom colors available, consult factory.

### FIXTURE LENGTH

4', 8' and 12' (1, 2 and 3 lamp cross section only) individual fixture sections for nominal suspension spacing of 4', 8' and 12'. Add 1 1/4" for each rectangular end cap, 1 3/8" for each angular end cap and 1" for each curved end cap to determine total fixture length. Using internal joiners, 4', 8' and 12' sections can be joined to form longer length fixtures.

## performance



### ICM8 with OPD (1) T5HO Lamp

91.4% Indirect  
8.6% Direct

91.6% Efficiency

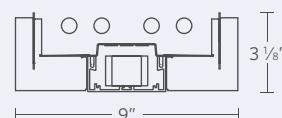
For complete photometric data  
see specification sheets at  
[www.peerless-lighting.com](http://www.peerless-lighting.com).

## configurations



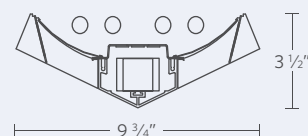
For details, see pages 22-23.

## dimensions/lamping



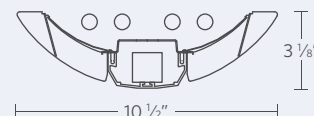
### IRM8 Rectangular

(1, 2, 3, 4) T5, T5HO  
(2, 3, 4) T8



### IAM8 Angular

(1, 2, 3, 4) T5, T5HO  
(2, 3, 4) T8



### ICM8 Curved

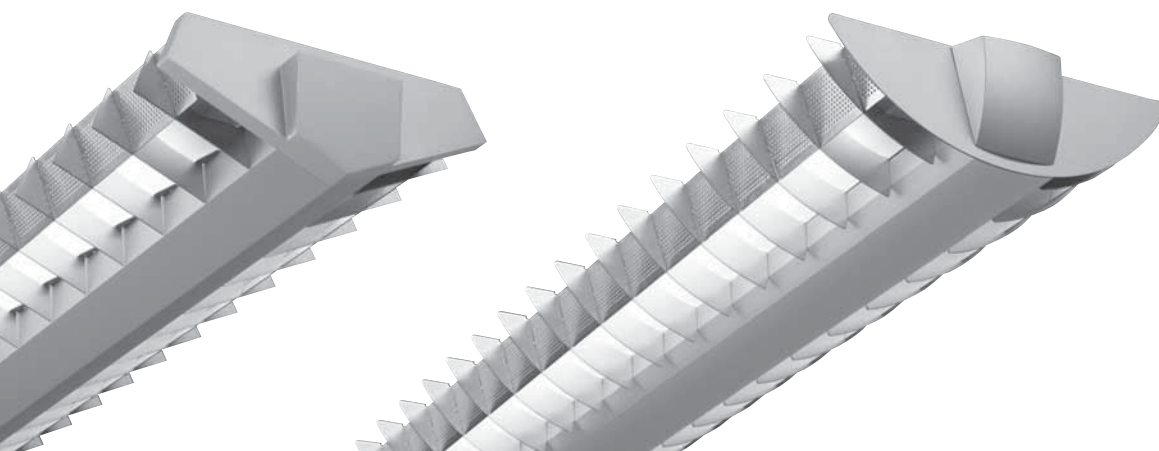
(1, 2, 3, 4) T5, T5HO  
(2, 3, 4) T8

## IAM8

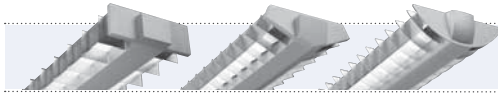
Angular Indirect/Direct

## ICM8

Curved Indirect/Direct







IRM8

IAM8

ICM8

# IceTray Indirect/Direct

## ordering information

Fixture	# of Lamps in Cross Section	Lamp Type	Reflector/VDR <sup>1</sup>	Baffle / Shielding	Nominal Row Length <sup>6</sup>	Maximum Section Length	Voltage	Ballast Type	# of Emergency Modules
IRM8 IAM8 ICM8	1 (T5/ T5HO only) 2 3 4	54T5HO 28T5 32 (T8)	(Blank) T8: 70% Up / 30% Down T5/T5HO: 80% Up / 20% Down 50/50 <sup>2</sup> 50% Up / 50% Down 30/70 <sup>2</sup> 30% Up / 70% Down 5/95 <sup>4</sup> 5% Up / 95% Down 40/60 <sup>3,4</sup> 40% Up / 60% Down	(Blank) None OPD <sup>5</sup> Standard Brightness Opal Overlay	_____ FT	R4 4' R8 8' R12' 12'	120 277 347	GEB <20% THD Electronic (T8 only) GEB10 <10% THD Electronic Ballast SIMPLY5™ S5 <sup>8,9</sup> ADEZ <sup>9,10</sup> Advance Mark 10 dim ECO10 <sup>9</sup> Lutron ECO-10 dim OSDIM <sup>9,10</sup> Osram 0-10V dim <i>Reference Ballast Chart on website or consult factory for other options.</i>	(Blank) None 1SE 1 Section 2SE 2 Sections XSE X Sections

Emergency Type <sup>11</sup>	Switching	Lamp Color	Mounting Type /	Overall Suspension	Finish	Options
(Blank) None EL Emerg. Battery Pack EC Emerg./ Night Light Circuit EN Emerg. Battery Pack w/ Night Light Circuit	SCT Single Circuit DCT Dual Circuit	L/LP No lamp LP830 3000K 80+ CRI LP835 3500K 80+ CRI LP841 4100K 80+ CRI T8 only: LP730 3000K 70+ CRI LP735 3500K 70+ CRI LP741 4100K 70+ CRI T5 only: LP830P 3000K 80+ CRI Premier LP835P 3500K 80+ CRI Premier LP841P 4100K 80+ CRI Premier <i>Reference Lamp Chart on website or consult factory for other options.</i>	F1 T-Bar Ceiling (Universal Mounting Bracket) F1A T-Bar Ceiling (UMB with Integrated J-Box) F2 Hard Ceiling (Horizontal J-box) F3 Rigid Stem Mount F4A IDS Clip 15/16 Tee F4B IDS Clip 9/16 Tee F4C IDS Clip Screw Slot	12 12" 15 15" 18 18" 21 21" 24 24" XX XX"	C100 Satin Anodized Finish C041 White White (Low Gloss) C099 Custom Color (consult factory)	ACG Adjustable Cable Grippers CP Chicago Plenum (F1A) DL Damp Location Label DU <sup>12</sup> Dust Cover ELH EM Through Wire w/ Separate Feed ELS EM Through Wire w/ Single Feed ELS2 Normal Feed w/ EM Separate Neutral (Dual Feed Cord) GLR Fusing (Fast Blow) GMF Fusing (Slow Blow) MCS Matching feed canopy at support NYC New York City Code OJB Offset J-Box at Feed Location

### Notes:

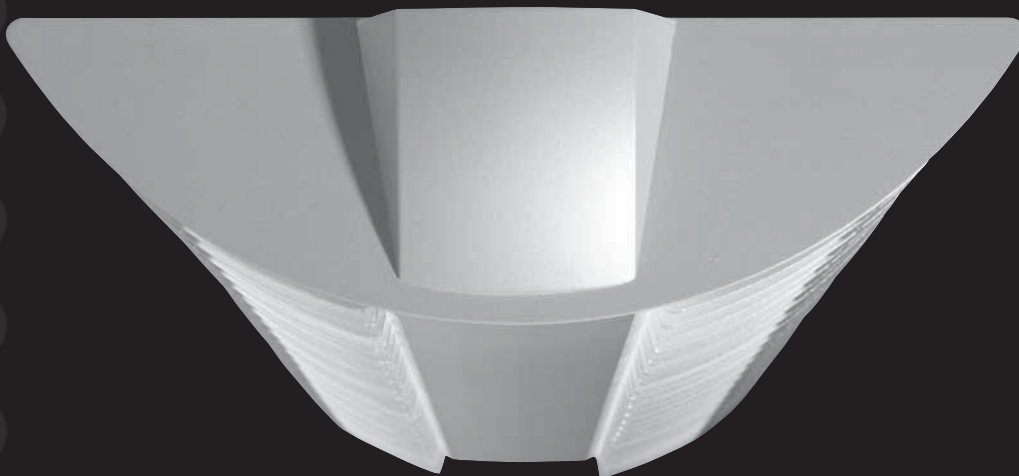
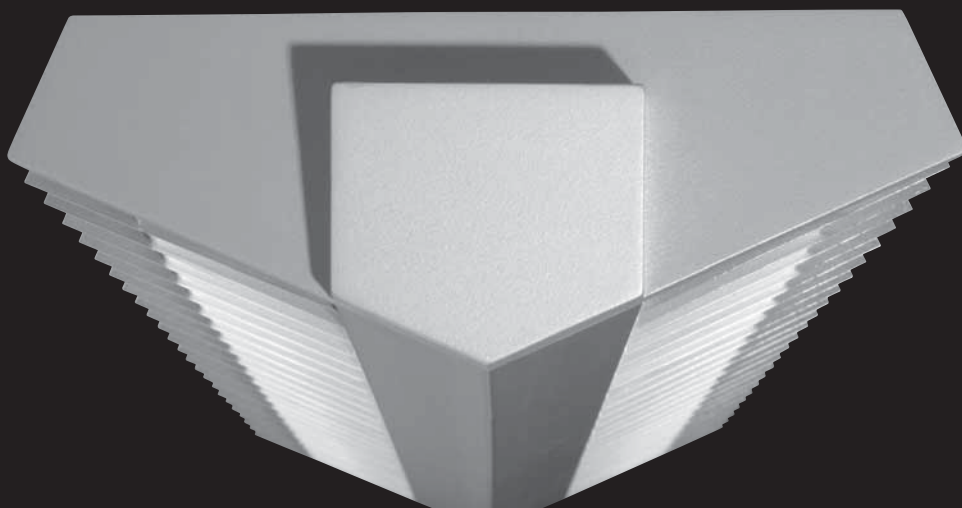
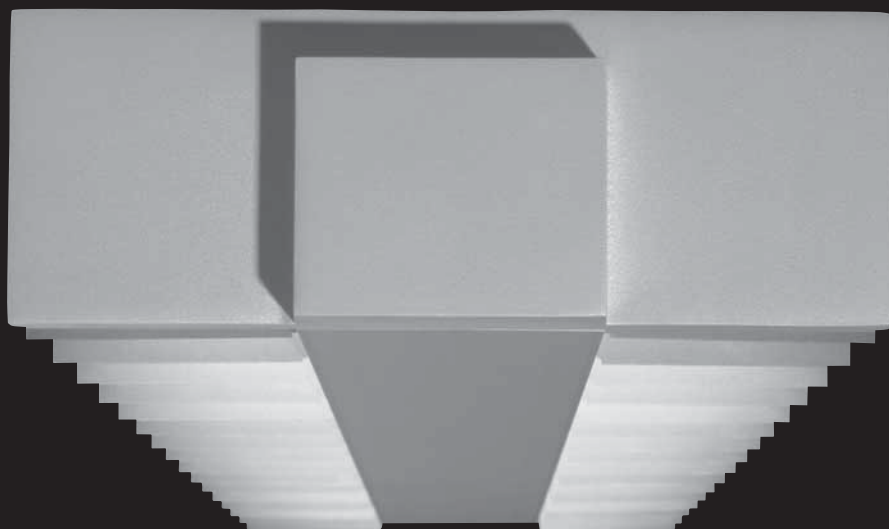
- 1 Recommended for use with dark ceilings only. Use of a VDR (50/50, 30/70 and 5/95) reduces fixture efficiency.
- 2 T8 only.
- 3 T5/T5HO only.
- 4 Not available with 1 lamp cross section.
- 5 Shielding (OPD) standard on T5/T5HO. OPD optional for T8. OPD not available with 5/95 reflector.
- 6 Must be in 4' increments.

- 7 Not available with 4 lamp cross-section.
- 8 Not available with 32T8.
- 9 Not available in 347 Volt.
- 10 Not available with 28T5.
- 11 Emergency type is installed in last 4' of fixture sections. Separate feed required unless ELS or ELS2 is specified.
- 12 Dust Cover not available with 50/50, 30/70, 5/95, 40/60 Reflectors.



Sample Catalog Number: ICM8 2 28T5 OPD 24FT R12 120 GEB10 DCT LP835 F2/24 C041

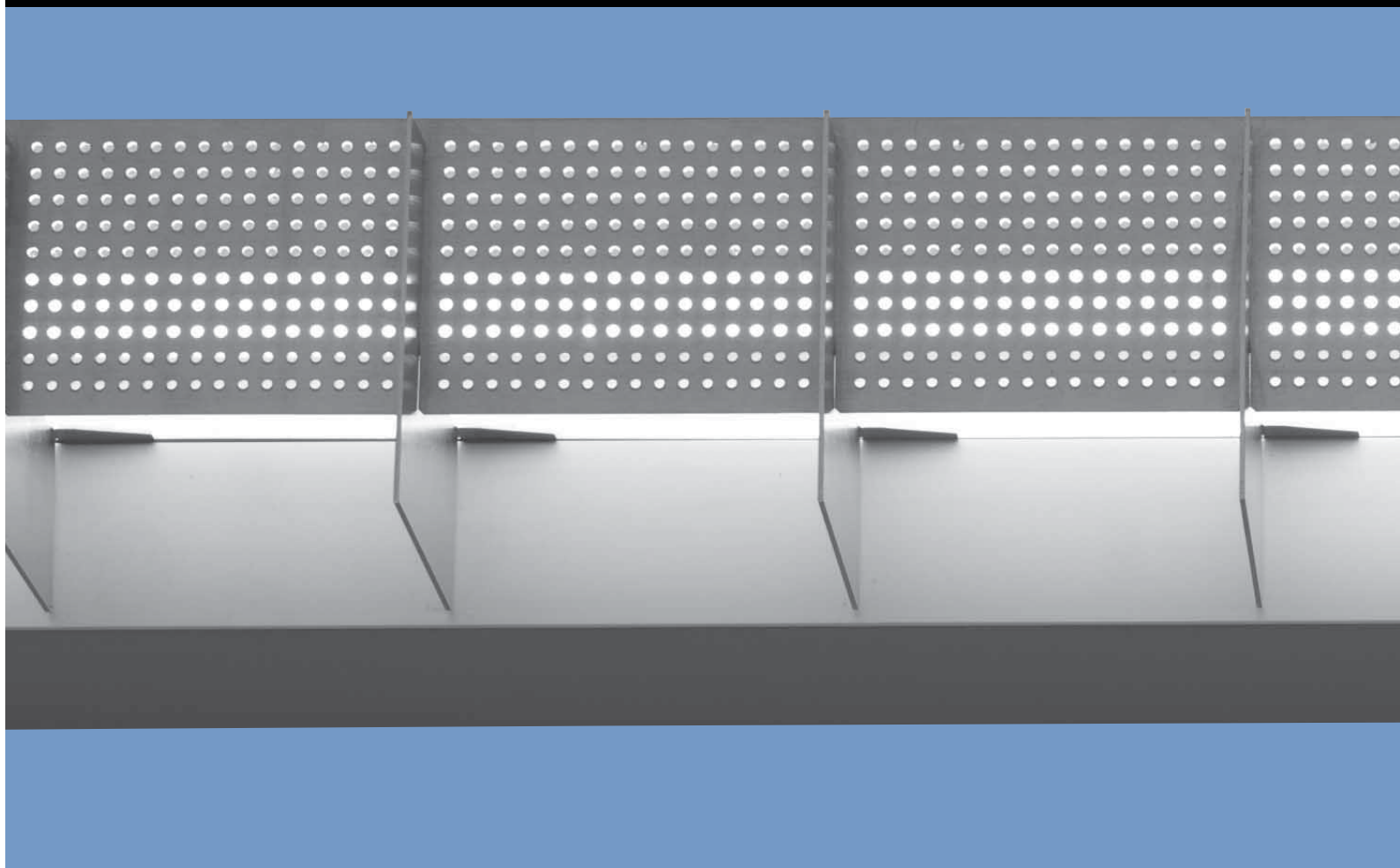
For complete detailed product information visit [www.peerless-lighting.com](http://www.peerless-lighting.com).



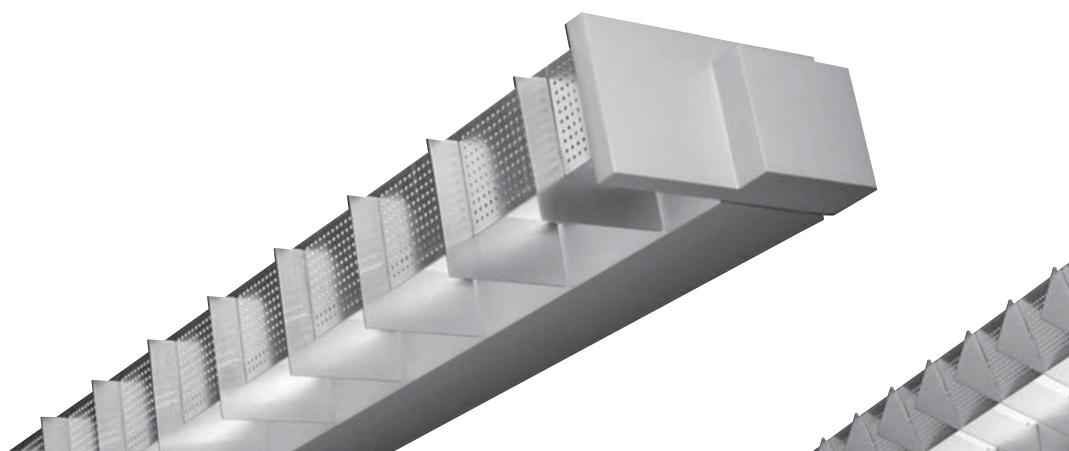
# IceTray Indirect/Direct Wall

Nostalgia gets cool with wall options to pair with the IceTray Indirect/Direct family.

Complement any space with finishes ranging from classic white cool-for-school to satin industrial chic. Accent open office spaces or illuminate corridors and private offices with IceTray Indirect/Direct Wall. The numbers all add up to style, performance and affordability.



**IRW8**  
Rectangular Indirect/Direct





## specifications

### CONSTRUCTION

Extruded aluminum spine. Aluminum baffle assembly. Die-cast aluminum end caps on IRW8 and IAW8. Steel end plates on ICW8.

### SHIELDING

Straight blade baffle with perforated side reflector/shield. Opal acrylic diffuser overlay standard with T5 or T5HO lamps, optional with T8 lamps.

### REFLECTORS

Die-formed pre-painted white steel reflector and perforated aluminum side reflector/shield.

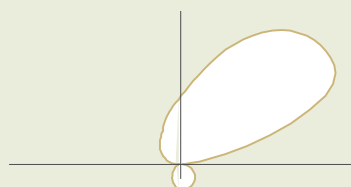
### FINISH

Satin anodized or white polyester powder paint. Satin anodized finish consists of satin anodized housing, clear coated aluminum baffles and end caps painted C110 to match. Note that clear coated aluminum baffles retain the slight imperfections and characteristics of the raw aluminum source material. Custom colors available, consult factory.

### FIXTURE LENGTH

4', 8' and 12' individual fixture sections. Add 1 1/4" for each rectangular end cap, 1 3/8" for each angular end cap and 1/16" for each curved end plate to determine total fixture length. Using internal joiners, 4', 8' and 12' sections can be joined to form longer length fixtures.

## performance



### ICW8 with OPD (1) T5HO Lamp

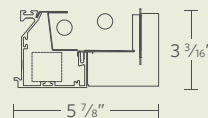
86.8% Indirect

13.2% Direct

72.0% Efficiency

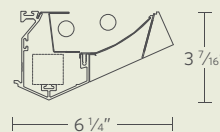
For complete photometric data see specification sheets at [www.peerless-lighting.com](http://www.peerless-lighting.com).

## dimensions/lamping



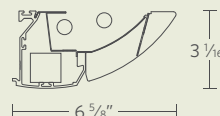
### IRW8 Rectangular Wall

(1, 2) T5, T5HO, T8



### IAW8 Angular Wall

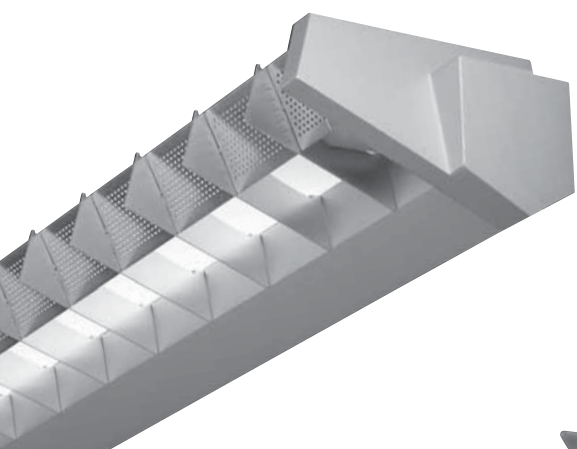
(1, 2) T5, T5HO, T8



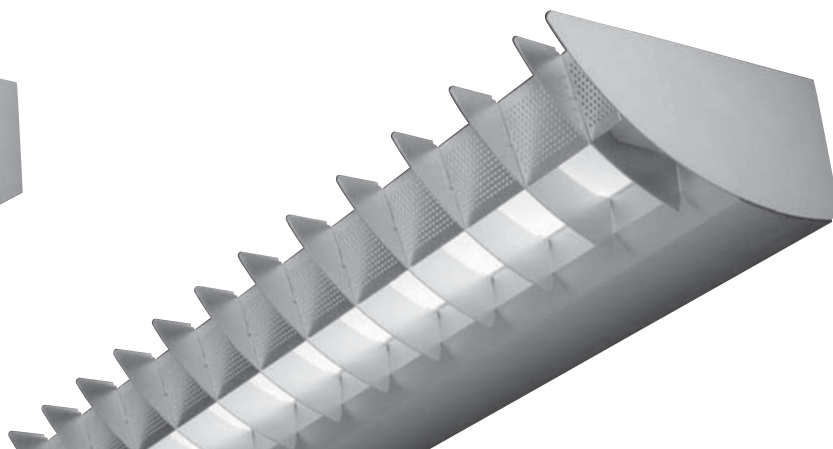
### ICW8 Curved Wall

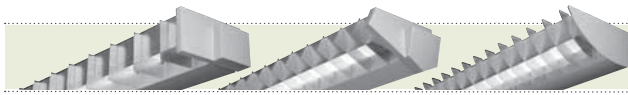
(1, 2) T5, T5HO, T8

**IAW8**  
Angular Indirect/Direct



**ICW8**  
Curved Indirect/Direct





IRW8

IAW8

ICW8

# IceTray Indirect/Direct Wall

## ordering information

Fixture	# of Lamps in Cross Section	Lamp Type	Shielding	Nominal Row Length <sup>2</sup>	Maximum Section Length	Voltage	Ballast Type	# of Emergency Modules	▶▶▶
IRW8	1	54T5HO	(Blank) None	_____ FT	R4 4'	120	GEB <20% THD Electronic (T8 only)	(Blank) None	
IAW8	2	28T5	OPD <sup>1</sup> Standard		R8 8'	277	GEB10 <10% THD Electronic Ballast	1SE 1 Section	
ICW8	32 (T8)		Brightness Opal Overlay		R12 12'	347	S5 <sup>3,4</sup> SIMPLY5™ ADEZ <sup>4,5</sup> Advance Mark 10 dimming ECO10 <sup>4</sup> Lutron ECO-10 dimming OSDIM <sup>4,5</sup> Osram 0-10V dimming <i>Reference Ballast Chart on website or consult factory for other options.</i>	2SE 2 Sections XSE X Sections	

▶▶ Emergency Type <sup>6</sup>	Switching	Lamp Color	Finish	Options
(Blank) None	SCT Single Circuit	L/LP No lamp	C100 Satin Anodized Finish	DL Damp Location Label
EL Emergency Battery Pack	DCT Dual Circuit	LP830 3000K 80+ CRI	C041 White White (Low Gloss)	DU Dust Cover
EC Emergency/Night Light Circuit		LP835 3500K 80+ CRI	C099 Custom Color (consult factory)	ELH EM Through Wire w/ Separate Feed
EN Emergency Battery Pack w/ Night Light Circuit		LP841 4100K 80+ CRI		ELS EM Through Wire w/ Single Feed
		<b>T8 only:</b>		ELS2 Normal Feed w/ EM Separate Neutral (Dual Feed Cord)
		LP730 3000K 70+ CRI		GLR Fusing (Fast Blow)
		LP735 3500K 70+ CRI		GMF Fusing (Slow Blow)
		LP741 4100K 70+ CRI		NYC New York City Code
		<b>T5 only:</b>		
		LP830P 3000K 80+ CRI Premier		
		LP835P 3500K 80+ CRI Premier		
		LP841P 4100K 80+ CRI Premier		
		<i>Reference Lamp Chart on website or consult factory for other options.</i>		

### Notes:

- 1 Shielding (OPD) standard with T5/T5HO, optional with T8.
- 2 Must be in 4' increments.
- 3 Not available with 32T8.
- 4 Not available in 347 Volt.
- 5 Not available with 28T5.
- 6 Emergency type is installed in last 4' of fixture sections. Separate feed required unless ELS or ELS2 is specified.



I/D

Sample Catalog Number: IAW8 2 32 8FT R8 277 ADEZ SCT LP835 C041

For complete detailed product information visit [www.peerless-lighting.com](http://www.peerless-lighting.com).



It turns out  
that all those hours in metal shop  
weren't wasted.

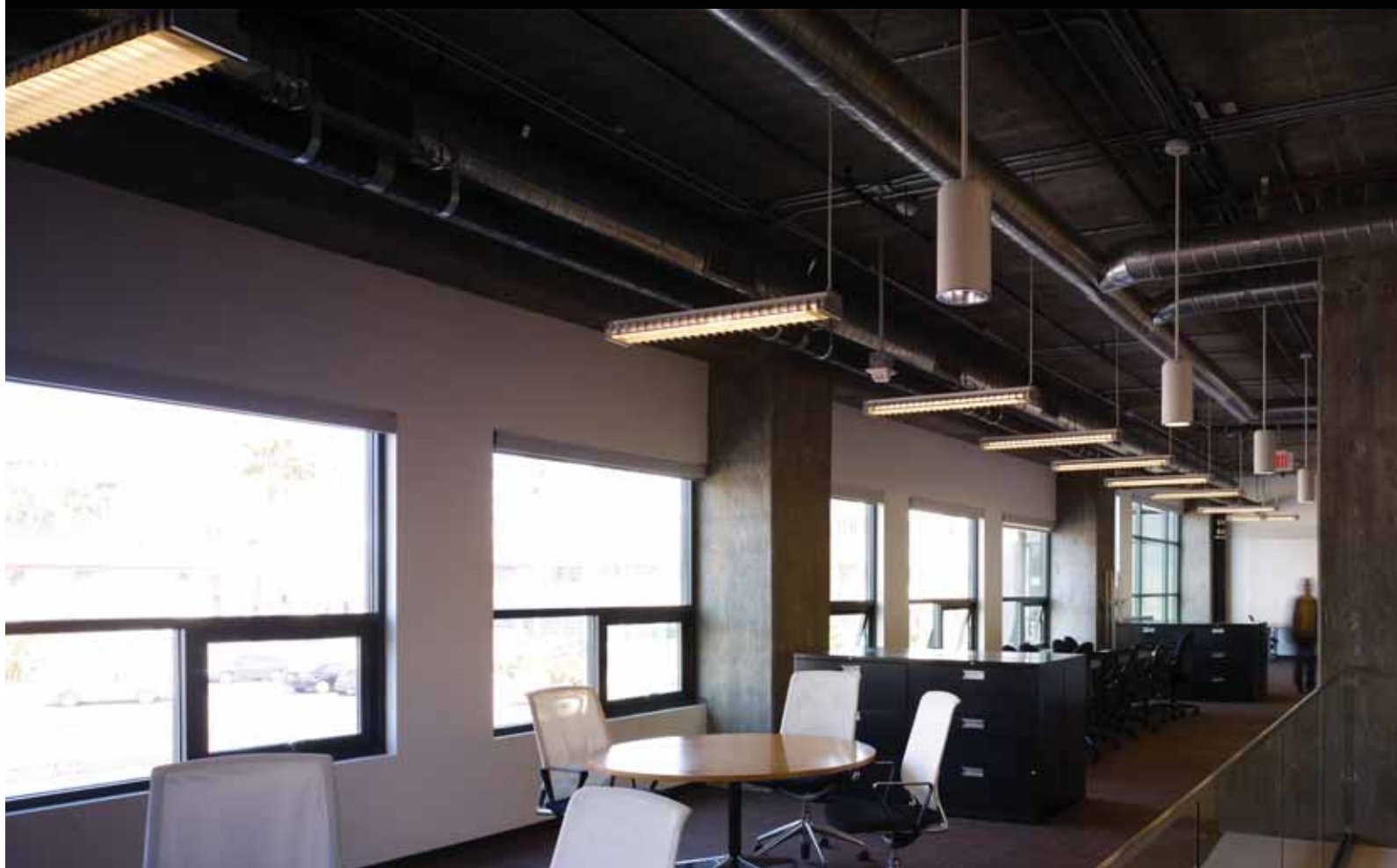
Frankie  
— *Designer*  
(1952)



# IceTray Direct

Encourages ideas, insights, inspiration and spitballs.

IceTray Direct luminaires provide new levels of lighting quality from a direct luminaire — ideal for applications such as retail, corridors and circulation spaces. Surface mount IceTray Direct for low ceiling applications or suspend between library stacks. Two distinct looks — a perforated side shield or an opal diffuser create yet more style options. Make your mark by designing a suspended or surface mounted lighting system with corners and tenons. Who says you have to dodge style when looking for high performance on a cost-conscious budget?



## **IRDM8**

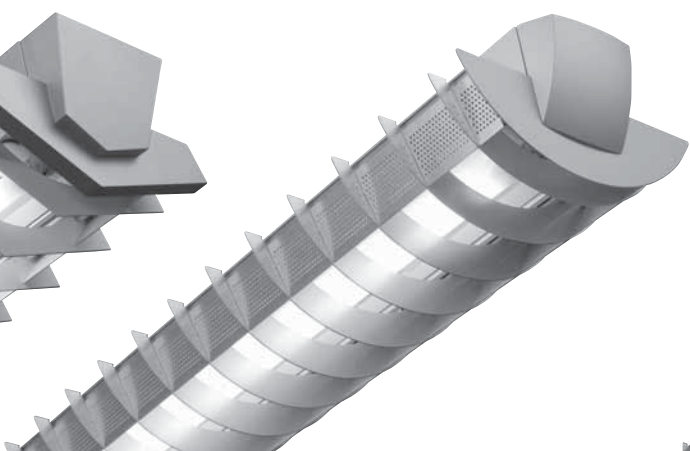
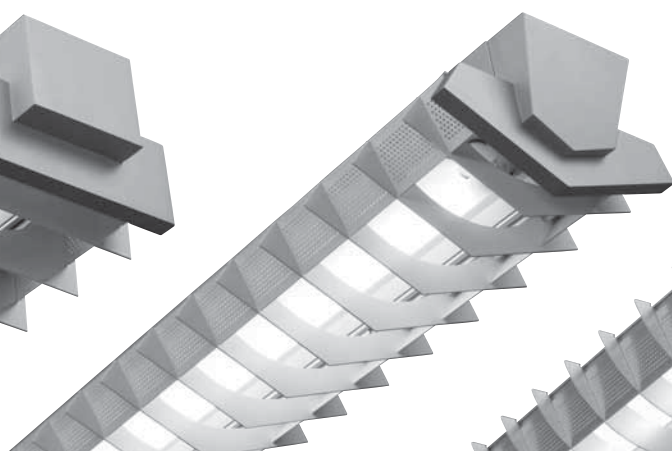
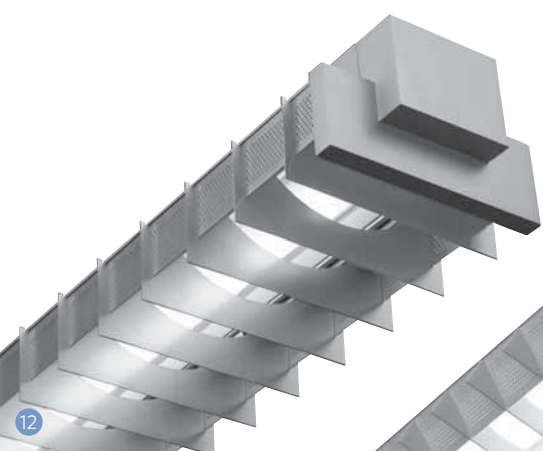
Rectangular Direct with  
Perforated Side Shield

## **IADM8**

Angular Direct with  
Perforated Side Shield

## **ICDM8**

Curved Direct with  
Perforated Side Shield



## specifications

### CONSTRUCTION

Extruded aluminum spine. Formed aluminum baffle assembly. Die-cast aluminum end caps on IRDM8 and IADM8. Steel end plates with die-cast aluminum end caps on ICDM8.

### SHIELDING

Straight blade baffle with perforated side reflector/shield or opal diffuser (1 lamp cross-section only).

### REFLECTORS

Die-formed pre-painted white steel reflector and perforated aluminum side reflector/shield.

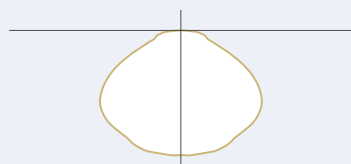
### FINISH

Satin anodized or white polyester powder paint. Satin anodized finish consists of satin anodized housing, clear coated aluminum baffles and end caps painted C110 to match. Note that clear coated aluminum baffles retain the slight imperfections and characteristics of the raw aluminum source material. Custom colors available, consult factory.

### FIXTURE LENGTH

4', 8' and 12' individual fixture sections for nominal suspension spacing of 4', 8' and 12'. Add 1 1/4" for each rectangular end cap, 1 3/8" for each angular end cap and 1" for each curved end cap to determine total fixture length. Using internal joiners, 4', 8' and 12' sections can be joined to form longer length fixtures.

## performance



### ICDM8 (1) T5HO Lamp

1.7% Indirect  
98.3% Direct

77.9% Efficiency

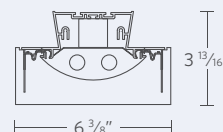
For complete photometric data  
see specification sheets at  
[www.peerless-lighting.com](http://www.peerless-lighting.com).

## configurations



For details, see pages 22-23.

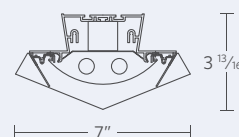
## dimensions/lamping



### IRDM8 Rectangular

(1, 2) T5, T5HO, T8

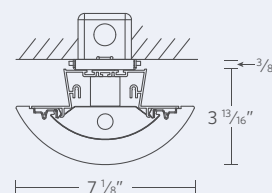
Shown with  
**SBP** Perforated Side Shield



### IADM8 Angular

(1, 2) T5, T5HO, T8

Shown with  
**SBP** Perforated Side Shield



### ICDM8 Curved

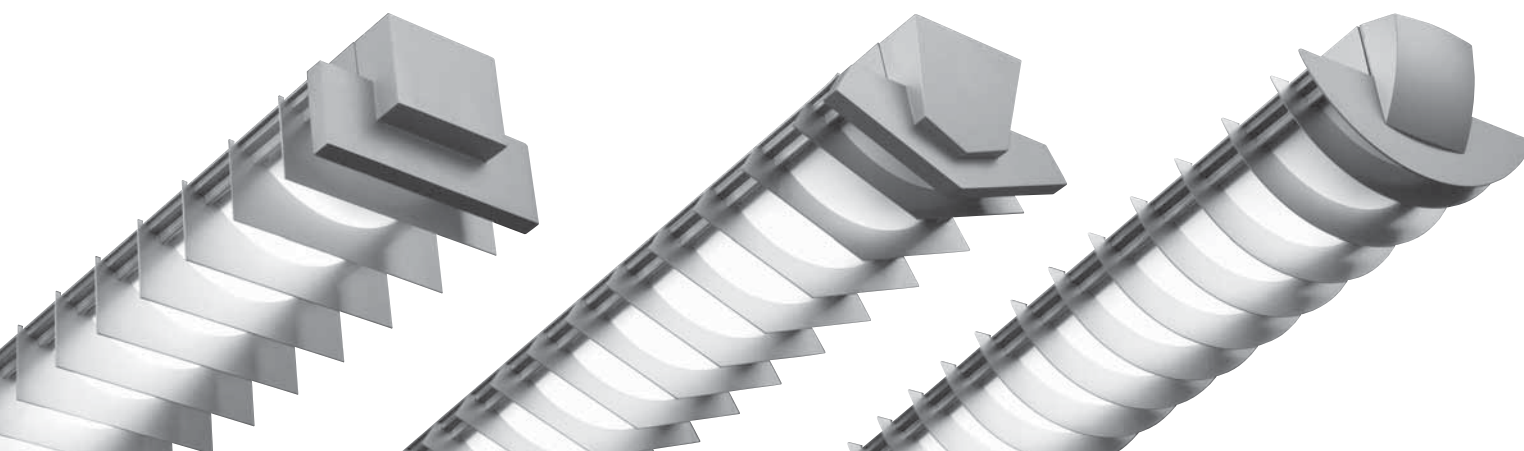
(1, 2) T5, T5HO, T8

Shown with  
**OPD** Opal Diffuser  
**S** Surface Mounted

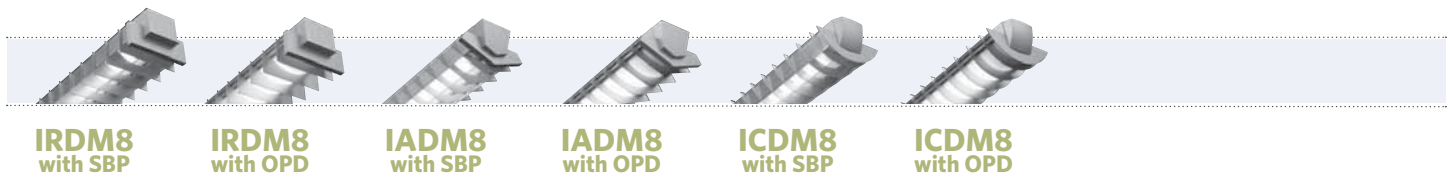
**IRDM8**  
Rectangular Direct with  
Opal Diffuser

**IADM8**  
Angular Direct with  
Opal Diffuser

**ICDM8**  
Curved Direct with  
Opal Diffuser







# IceTray Direct

## ordering information

Fixture	Ceiling Type	# of Lamps in Cross Section	Lamp Type	Baffle / Shielding	Nominal Row Length <sup>2</sup>	Maximum Section Length	Voltage	Ballast Type	# of Emergency Modules
IRDM8 IADM8 ICDM8	(Blank) Suspended S Surface Mount	1 2	54T5HO 28T5 32 (T8)	SBP Perforated Side Shield OPD <sup>1</sup> Opal Diffuser	_____ FT	R4 4' R8 8' R12 12'	120 277 347	GEB <20% THD Electronic (T8 only) GEB10 <10% THD Electronic Ballast S5 <sup>3,4</sup> SIMPLY5™ ADEZ <sup>4,5</sup> Advance Mark 10 dimming ECO10 <sup>4</sup> Lutron ECO-10 dimming OSDIM <sup>4,5</sup> Osram 0-10V dimming  Reference Ballast Chart on website or consult factory for other options.	(Blank) None 1SE 1 Section 2SE 2 Sections XSE X Sections

Emergency Type <sup>6</sup>	Switching	Lamp Color	Mounting Type <sup>7</sup> /	Overall Suspension <sup>7</sup>	Finish	Options
(Blank) None EL Emergency Battery Pack EC Emergency/ Night Light Circuit EN Emergency Battery Pack with Night Light Circuit	SCT Single Circuit DCT Dual Circuit	L/LP No lamp LP830 3000K 80+ CRI LP835 3500K 80+ CRI LP841 4100K 80+ CRI T8 only: LP730 3000K 70+ CRI LP735 3500K 70+ CRI LP741 4100K 70+ CRI T5 only: LP830P 3000K 80+ CRI Premier LP835P 3500K 80+ CRI Premier LP841P 4100K 80+ CRI Premier  Reference Lamp Chart on website or consult factory for other options.	F1 T-Bar Ceiling (Universal Mounting Bracket) F1A T-Bar Ceiling (UMB with Integrated J-Box) F2 Hard Ceiling (Horizontal J-box) F3 Rigid Stem Mount F4A IDS Clip 1 5/16 Tee F4B IDS Clip 3/8 Tee F4C IDS Clip Screw Slot	12 12" 15 15" 18 18" 21 21" 24 24" XX XX"	C100 Satin Anodized Finish C041 White White (Low Gloss) C099 Custom Color (consult factory)	ACG Adjustable Cable Grippers CP Chicago Plenum (F1A) DL Damp Location Label ELH EM Through Wire w/ Separate Feed ELS EM Through Wire w/ Single Feed ELS2 Normal Feed w/ EM Separate Neutral (Dual Feed Cord) GLR Fusing (Fast Blow) GMF Fusing (Slow Blow) MCS Matching feed canopy at support NYC New York City Code OJB Offset J-Box at Feed Location

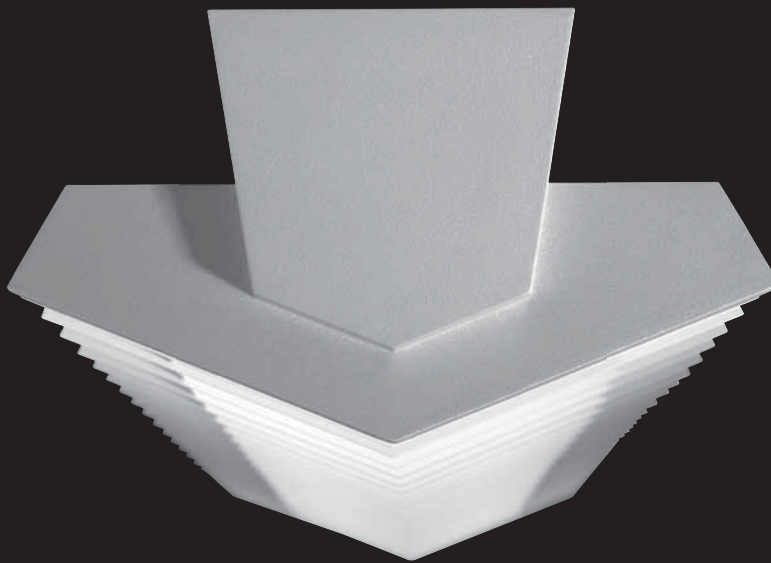
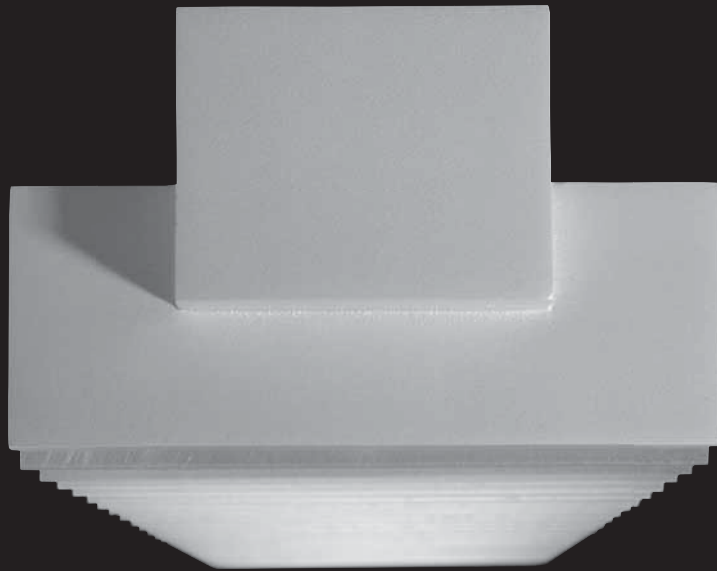
### Notes:

- OPD only available w/ one lamp cross-section.
- Must be in 4' increments.
- Not available with 32T8.
- Not available in 347 Volt.
- Not available with 28T5.
- Emergency type is installed in last 4' of fixture sections. Separate feed required unless ELS or ELS2 is specified.
- Not required with "S" ceiling type.



Sample Catalog Number: IADM8 1 54T5HO OPD 28FT R12 277 GEB10 SCT LP835 F1/24 C041 ACG

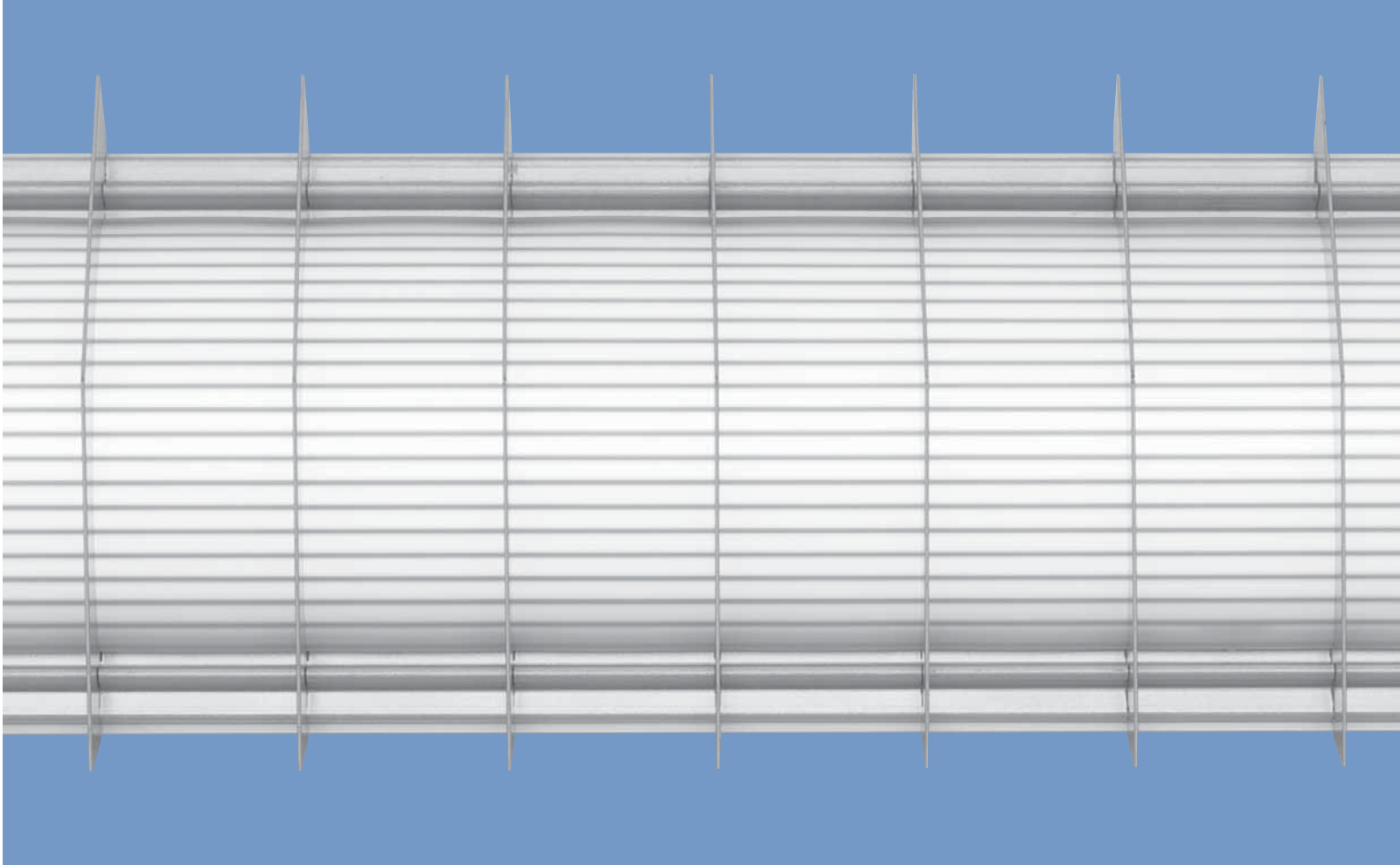
For complete detailed product information visit [www.peerless-lighting.com](http://www.peerless-lighting.com).



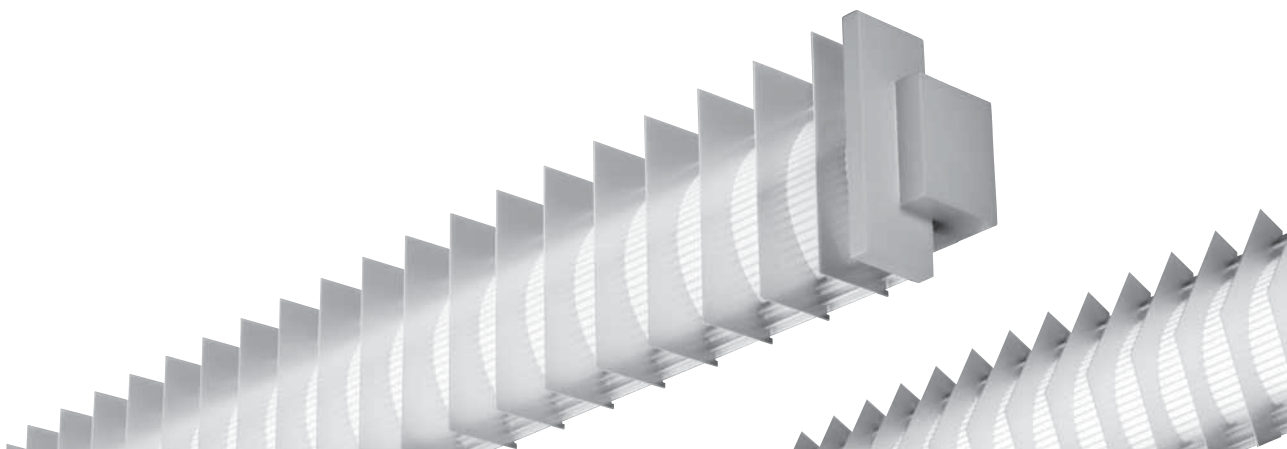
# IceTray Direct Wall

Consider it unmistakable proof that there's nothing wrong with treating seasoned professionals like complete children.

Perimeter lighting graduates with style in the form of rectangular, angular and curved profiles with IceTray Direct Wall. Incorporate connectors to bridge sections inside or around corners for continuity. Tenons visually break up luminaire sections or reduce power density by providing more distance between lamp sections. Occasionally, pushing fashion forward starts by traveling back in time.



**IRDW8**  
Rectangular Indirect/Direct



## specifications

### CONSTRUCTION

Extruded aluminum spine. Formed aluminum baffle assembly. Die-cast aluminum end caps on IRDW8 and IADW8. Steel end plates with die-cast aluminum end caps on ICDW8.

### SHIELDING

Straight blade baffle with opal diffuser (standard brightness or intermediate brightness).

### REFLECTORS

Die-formed pre-painted white steel.

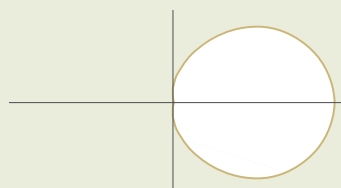
### FINISH

Satin anodized or white polyester powder paint. Satin anodized finish consists of satin anodized housing, clear coated aluminum baffles and end caps painted C110 to match. Note that clear coated aluminum baffles retain the slight imperfections and characteristics of the raw aluminum source material. Custom colors available, consult factory.

### FIXTURE LENGTH

4', 8' and 12' individual fixture sections. Add 1 1/4" for each rectangular end cap, 1 3/8" for each angular end cap and 1" for each curved end cap to determine total fixture length. Using internal joiners, 4', 8' and 12' sections can be joined to form longer length fixtures.

## performance



**ICDW8** with OPI (1) T5HO Lamp

50.4% Indirect

49.6% Direct

43.1% Efficiency

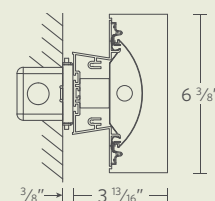
For complete photometric data see specification sheets at [www.peerless-lighting.com](http://www.peerless-lighting.com).

## configurations

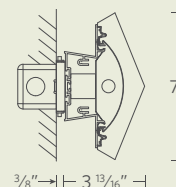


For details, see pages 22-23.

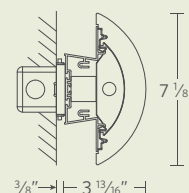
## dimensions/lamping



**IRDW8 Rectangular Wall**  
(1) T5, T5HO, T8



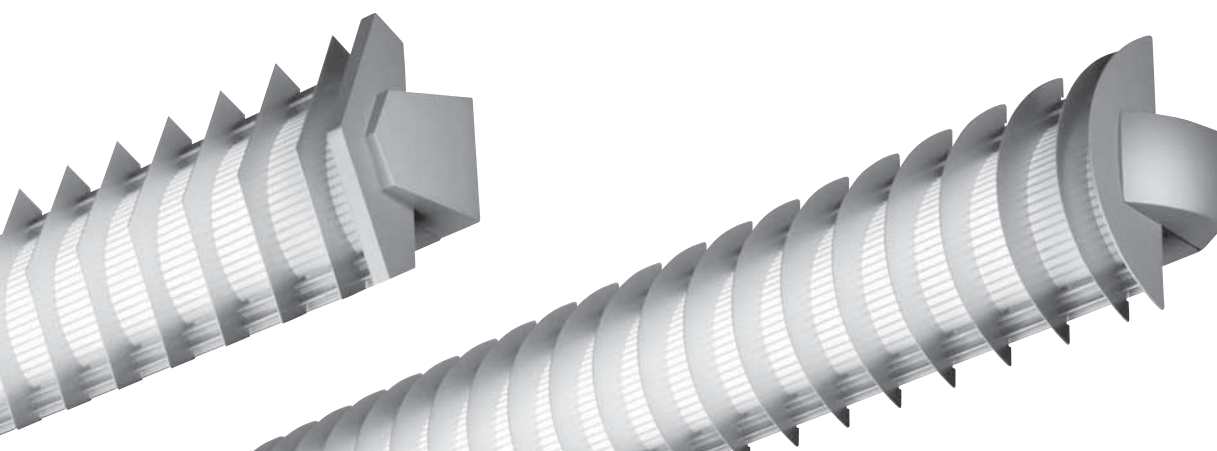
**IADW8 Angular Wall**  
(1) T5, T5HO, T8

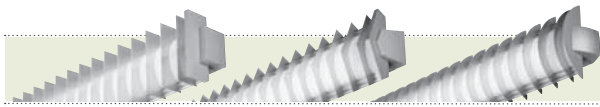


**ICDW8 Curved Wall**  
(1) T5, T5HO, T8

**IADW8**  
Angular Indirect/Direct

**ICDW8**  
Curved Indirect/Direct





IRDW8

IADW8

ICDW8

# IceTray Direct Wall

## ordering information

Fixture	# of Lamps in Cross Section	Lamp Type	Baffle / Shielding	Nominal Row Length <sup>1</sup>	Maximum Section Length	Voltage	Ballast Type	# of Emergency Modules	▶▶▶
IRDW8 IADW8 ICDW8	1	54T5HO 28T5 32 (T8)	OPI Intermediate brightness opal diffuser (standard) OPD Standard brightness opal diffuser	_____ FT	R4 4' R8 8' R12 12'	120 277 347	GEB <20% THD Electronic (T8 only) GEB10 <10% THD Electronic Ballast S5 <sup>2,3</sup> SIMPLY5™ ADEZ <sup>3,4</sup> Advance Mark 10 dimming ECO10 <sup>3</sup> Lutron ECO-10 dimming OSDIM <sup>3,4</sup> Osram 0-10V dimming <i>Reference Ballast Chart on website or consult factory for other options.</i>	(Blank) None 1SE 1 Section 2SE 2 Sections XSE X Sections	

▶▶ Emergency Type <sup>5</sup>	Switching	Lamp Color	Finish	Options
(Blank) None EL Emergency Battery Pack EC Emergency/Night Light Circuit EN Emergency Battery Pack with Night Light Circuit	SCT Single Circuit	L/LP No lamp LP830 3000K 80+ CRI LP835 3500K 80+ CRI LP841 4100K 80+ CRI T8 only: LP730 3000K 70+ CRI LP735 3500K 70+ CRI LP741 4100K 70+ CRI T5 only: LP830P 3000K 80+ CRI Premier LP835P 3500K 80+ CRI Premier LP841P 4100K 80+ CRI Premier <i>Reference Lamp Chart on website or consult factory for other options.</i>	C100 Satin Anodized Finish C041 White White (Low Gloss) C099 Custom Color (consult factory)	DL Damp Location Label ELH EM Through Wire w/ Separate Feed ELS EM Through Wire w/ Single Feed ELS2 Normal Feed w/ EM Separate Neutral (Dual Feed Cord) GLR Fusing (Fast Blow) GMF Fusing (Slow Blow) NYC New York City Code

### Notes:

- 1 Must be in 4' increments.
- 2 Not available with 32T8.
- 3 Not available in 347 Volt.
- 4 Not available with 28T5.
- 5 Emergency type is installed in last 4' of fixture sections. Separate feed required unless ELS or ELS2 is specified.



Sample Catalog Number: IRDW8 1 32 OPI 24FT R12 120 GEB10 SCT LP841 C100

For complete detailed product information visit [www.peerless-lighting.com](http://www.peerless-lighting.com).

I/D



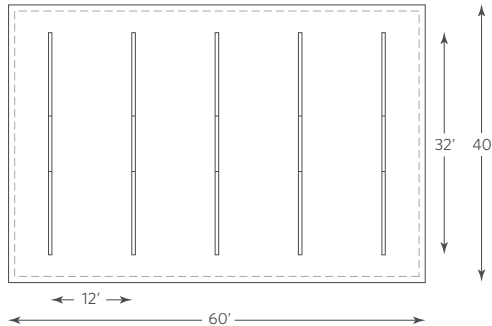


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# Typical Applications

## OPEN OFFICE



Calculations based on:

- 60' x 40' x 9' area
- (5) 32' rows
- 80/50/20 ceiling/walls/floor reflectance
- 12' on center spacing
- 18" overall suspension

For specific application questions, please email [techsupport@peerless-lighting.com](mailto:techsupport@peerless-lighting.com) or call 510.845.2760

### T8 LAMPS

LUMINAIRE		2.5' Work Plane		Ceiling	Light Loss Factors
		Average Illuminance	Uniformity (max:min)	Uniformity (max:min)	
Indirect/Direct	IRM8-2-32	49 fc	4.4:1	7.8:1	0.69 LLF includes: 0.95 LLD 0.88 LDD 0.94 RSDD 0.88 BF
	IAM8-2-32	48 fc	4.3:1	8.1:1	
	ICM8-2-32	48 fc	4.2:1	7.6:1	
Direct	IRDM8-2-32	47 fc	6.5:1	1.3:1	0.74 LLF includes: 0.95 LLD 0.90 LDD 0.98 RSDD 0.88 BF
	IADM8-2-32	49 fc	6.1:1	1.3:1	
	ICDM8-2-32	50 fc	6.3:1	1.3:1	

### T5 LAMPS

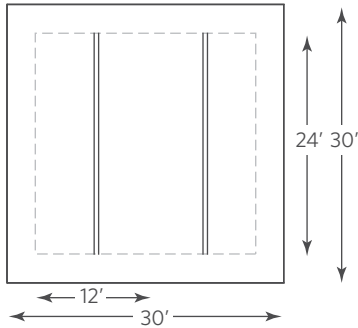
LUMINAIRE		2.5' Work Plane		Ceiling	Light Loss Factors
		Average Illuminance	Uniformity (max:min)	Uniformity (max:min)	
Indirect/Direct	IRM8-2-28T5-OPD	55 fc	3.7:1	6.7:1	0.79 LLF includes: 0.95 LLD 0.88 LDD 0.94 RSDD 1.00 BF
	IAM8-2-28T5-OPD	55 fc	4.0:1	6.9:1	
	ICM8-2-28T5-OPD	49 fc	3.6:1	6.1:1	
Direct	IRDM8-2-28T5-SBP	58 fc	6.8:1	1.4:1	0.84 LLF includes: 0.95 LLD 0.90 LDD 0.98 RSDD 1.00 BF
	IADM8-2-28T5-SBP	62 fc	6.3:1	1.3:1	
	ICDM8-2-28T5-SBP	63 fc	6.4:1	1.4:1	

### T5HO LAMPS

LUMINAIRE		2.5' Work Plane		Ceiling	Light Loss Factors
		Average Illuminance	Uniformity (max:min)	Uniformity (max:min)	
Indirect/Direct	IRM8-1-54T5HO-OPD	46 fc	3.4:1	5.3:1	0.79 LLF includes: 0.95 LLD 0.88 LDD 0.94 RSDD 1.00 BF
	IAM8-1-54T5HO-OPD	47 fc	3.6:1	6.0:1	
	ICM8-1-54T5HO-OPD	45 fc	3.3:1	5.0:1	
Direct	IRDM8-1-54T5HO-OPD	48 fc	6.1:1	1.4:1	0.84 LLF includes: 0.95 LLD 0.90 LDD 0.98 RSDD 1.00 BF
	IADM8-1-54T5HO-OPD	49 fc	5.8:1	1.3:1	
	ICDM8-1-54T5HO-OPD	53 fc	5.7:1	1.3:1	



# SCHOOL



Calculations based on:

- 30' x 30' x 10' area
- (2) 24' rows
- 80/50/20 ceiling/walls/ floor reflectance
- 12' on center spacing
- 24" overall suspension
- grid 3' from corners

For specific application questions, please email  
techsupport@peerless-lighting.com or call 510.845.2760

## T8 LAMPS Use a 1.08 multiplier for 3100 lumen XPS lamps (no change in Power Density)

LUMINAIRE		2.5' Work Plane		Input Wattage	Power Density	Light Loss Factors
		Average Illuminance	Uniformity (max:min)			
Indirect/Direct	IRM8-3-32	48 fc	2.8:1	73 total input watts	.87 watts per sq. ft.	0.61 LLF includes: 0.95 LLD 0.88 LDD 0.94 RSDD 0.78 BF
	IAM8-3-32	48 fc	2.8:1			
	ICM8-3-32	49 fc	2.8:1			
Direct	IRDM8-2-32	56 fc	4.7:1	74 total input watts	.99 watts per sq. ft.	0.98 LLF includes: 0.95 LLD 0.90 LDD 0.98 RSDD 1.18 BF
	IADM8-2-32	57 fc	4.3:1			
	ICDM8-2-32	58 fc	4.9:1			

## T5 LAMPS Use a 1.05 multiplier for 2900 lumen T5 Premier lamps (no change in Power Density)

LUMINAIRE		2.5' Work Plane		Input Wattage	Power Density	Light Loss Factors
		Average Illuminance	Uniformity (max:min)			
Indirect/Direct	IRM8-2-28T5-OPD	48 fc	2.5:1	81 total input watts	.95 watts per sq. ft.	0.90 LLF includes: 0.95 LLD 0.88 LDD 0.94 RSDD 1.15 BF
	IAM8-2-28T5-OPD	51 fc	2.7:1			
	ICM8-2-28T5-OPD	44 fc	2.6:1			
Direct	IRDM8-2-28T5-SBP	48 fc	4.4:1	65 total input watts	.87 watts per sq. ft.	0.79 LLF includes: 0.95 LLD 0.88 LDD 0.94 RSDD 1.00 BF
	IADM8-2-28T5-SBP	51 fc	4.1:1			
	ICDM8-2-28T5-SBP	52 fc	4.3:1			

## T5HO LAMPS 5000 lumen lamps

LUMINAIRE		2.5' Work Plane		Input Wattage	Power Density	Light Loss Factors
		Average Illuminance	Uniformity (max:min)			
Indirect/Direct	IRM8-2-54T5HO-OPD	57 fc	2.5:1	98 total input watts	1.28 watts per sq. ft.	0.62 LLF includes: 0.95 LLD 0.88 LDD 0.94 RSDD 0.80 BF
	IAM8-2-54T5HO-OPD	57 fc	2.6:1			
	ICM8-2-54T5HO-OPD	52 fc	2.5:1			
Direct	IRDM8-1-54T5HO-OPD	39 fc	4.3:1	61 total input watts	.81 watts per sq. ft.	0.79 LLF includes: 0.95 LLD 0.88 LDD 0.94 RSDD 1.00 BF
	IADM8-1-54T5HO-OPD	40 fc	4.3:1			
	ICDM8-1-54T5HO-OPD	43 fc	4.3:1			

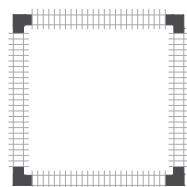


# Configurations

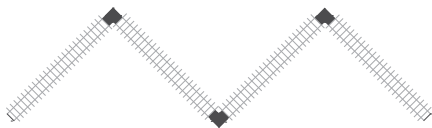
Think outside the line with IceTray configurations. Create patterns to add dimension or highlight a breakout space. Bring in some whimsy and fun. Peerless provides the building blocks — you provide the vision.

The possibilities are endless, but here are a few inspirations to get you started.

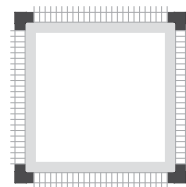
## corner



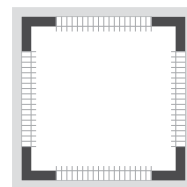
Square



Zigzag

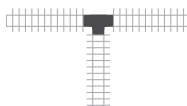


Outside Wall-to-wall

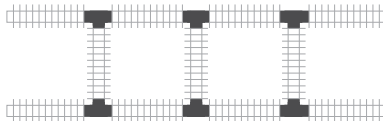


Inside Wall-to-wall

## t

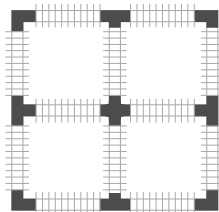


T

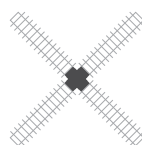


Ladder

## x



Grid



Grid

## tenons



**Tenons** can be used to visually break up a row or to reduce power density by providing more distance between lamp sections.



## design notes

### Suspended Mounting

**On-Tenon-Mount (OTM):** Available with corners and tenons only. With OTM, the support cable mounts directly to the corner or tenon which reduces the number of support cables required.

**T and X Mountings:** OTM option not available with T and X connectors. Support cable is required for every luminaire section connected to a T or X connector. Custom wiring required with T and X connectors, contact factory for more information.

**Anodized Finish:** Connectors are painted and can not be anodized. We do not recommend combining painted connectors with anodized luminaires because the finish will not match. If a silver look is desired, specify C110 finish which is a silver anodized paint finish.

**Custom:** Custom angles are available. Contact factory for more information.

### Wall Mount—Inside AND Outside Corners

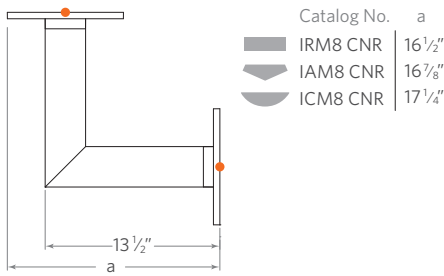
**Power and Emergency Feeds:** For retrofit projects use tenons and corners to create a combined wall mount row which can be fed from existing power locations to supply light in other parts of the space.

**Wall-to-Wall dimensions:** Tenons can be used between luminaire sections to create a wall-to-wall row.

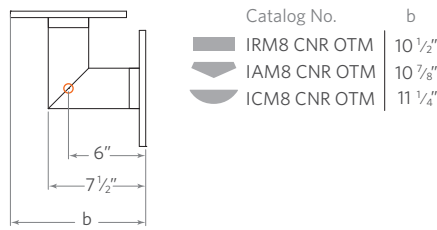
	Available Connectors for IceTray			
	Corner	T	X	Tenon
Indirect /Direct	●	●	●	●
Indirect/Direct Wall				
Direct	●			●
Direct Wall	●			●

## Indirect/Direct Configurations

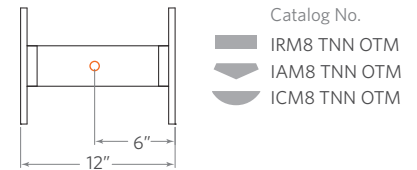
### Corner Assembly



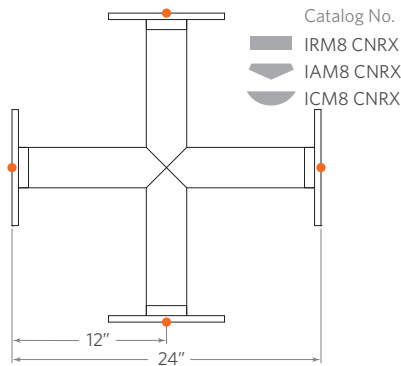
### Corner Assembly (with OTM)



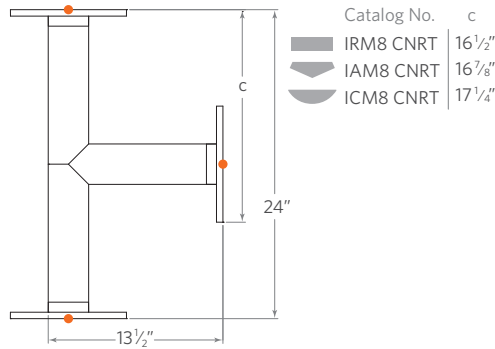
### Tenon Assembly (with OTM)



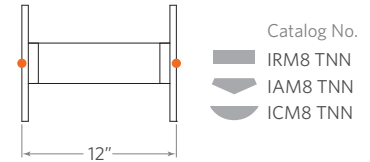
### X Assembly



### T Assembly

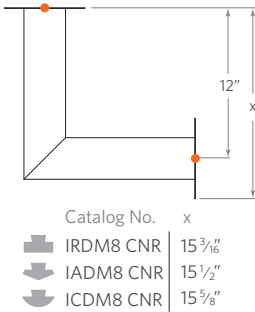


### Tenon Assembly

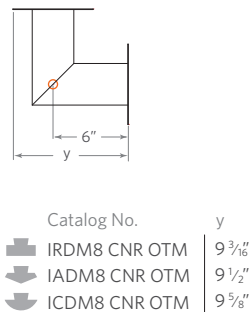


## Direct Configurations

### Corner Assembly



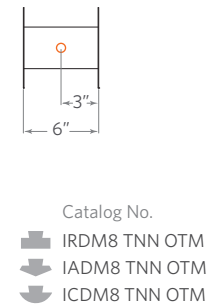
### Corner Assembly (with OTM)



### Tenon Assembly

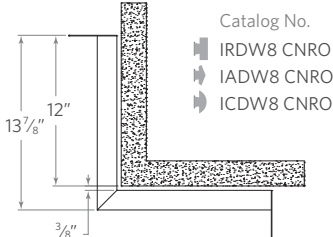


### Tenon Assembly (with OTM)

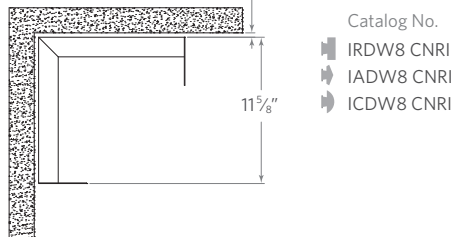


## Direct Wall Configurations

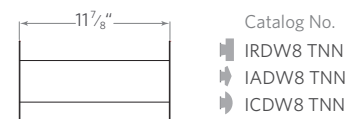
### Outside



### Inside

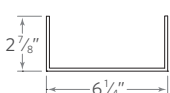


### Tenon Assembly

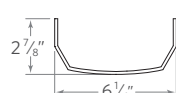


## Indirect/Direct Connector Cross Sections

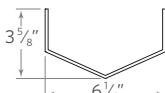
### Rectangular



### Curved

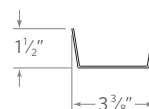


### Angular



## Direct Connector Cross Section

### Rectangular



- Standard Fixture Mounting
- On Tenon Mounting (option OTM)

Note: On Tenon Mounting not available with T or X configurations.





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