

NEAT™

WHEN A SMOOTH LINE OF LIGHT ELEVATES DESIGN FREEDOM...



ADVANCED SOFT-WHITE LED TECHNOLOGY

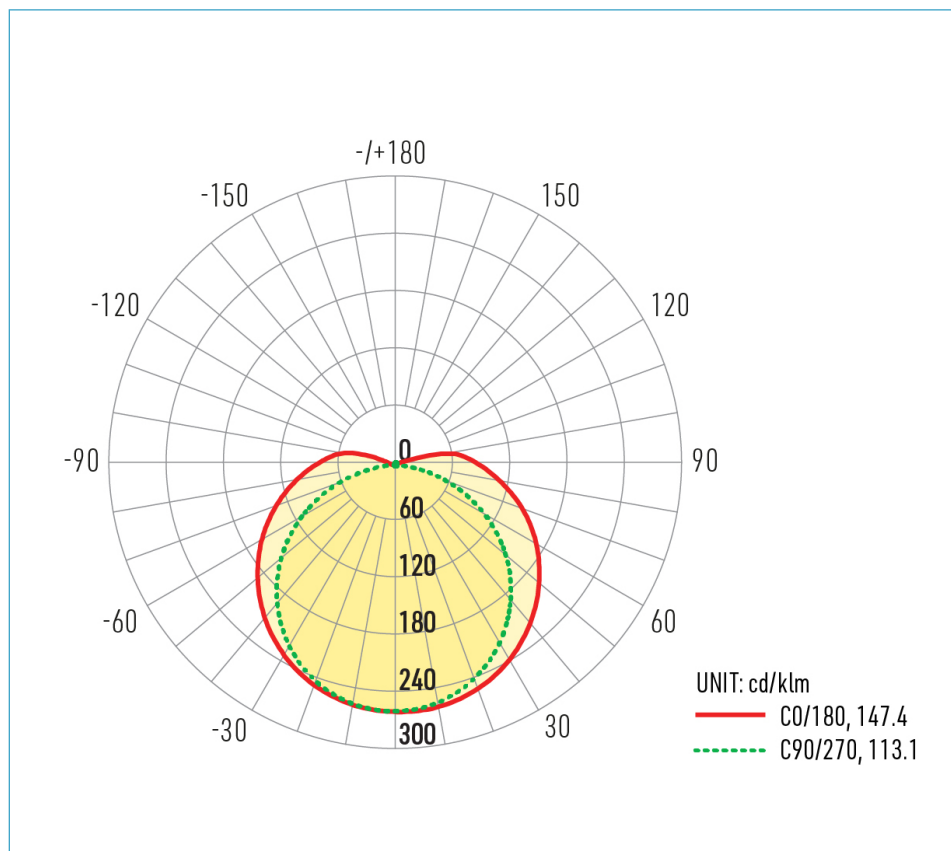
Introducing the Linear Light-emitting Surface (LLES) technology behind NEAT™. Unlike common COB (chip-on-board) strips displaying uneven yellow/blue tinges, LLES features a white/clear silicone optical element that produces continuous, diffuse all-white light. As a result, the NEAT™ lighting platform is a versatile, streamlined, high efficacy soft white luminous building material that fits in well practically anywhere. With its clean appearance, 1/4" cut and uniquely appealing white-light signature, NEAT™ delivers new lighting opportunities for lighting designers and architects, including new levels of customized integration and surface installation into structures.

PRODUCT FEATURES

- Patent-pending technology
- Soft, uniform, continuous all-white light
- LLES (Linear Light-emitting surface) remains white at all times, blends in with surroundings when light is turned off
- Diffuse effect produced by exclusive white/clear silicone optical element and precision-binned LEDs
- Can be dimmed to 0.1% (dimming below 50% may result in slight pixelation)
- Discreet, bendable, compact LLES (Linear Light-emitting surface) – Height under 1/8"
- Appealing wide beam (147° across)
- Reel-to-reel technology for cleaner, more elegant appearance without solder joints
- Can be cut every 1/4" for optimal fitting without dark spots.
- Small light form can be used on its own or with our broad range of channel extrusions and lenses.
- Wide assortment of clear, shallow, fully lighted connectors and corners available for quick and easy installation
- VHB double-sided adhesive back for unsurpassed grip

OPTICAL PARAMETERS

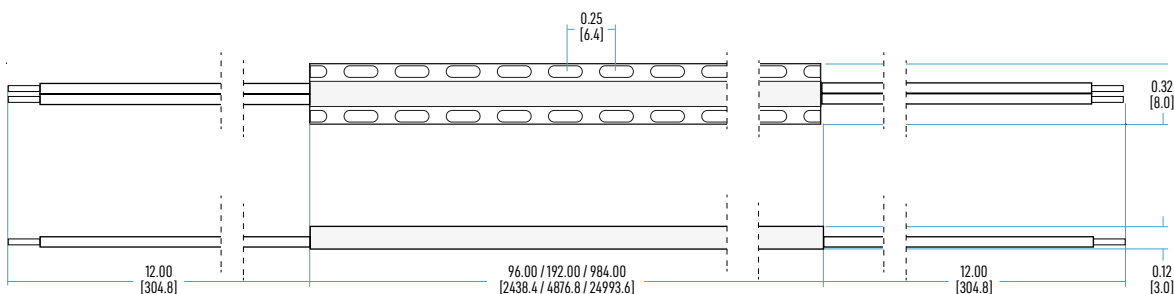
CRI	90+	
R9	60+	
Voltage	24V DC	
Efficacy	100 lm/W	
Power	9.6 W/m	2.9 W/ft
Flux	1000 lm/m	300 lm/ft
LED strip increment	6.4mm	1/4"
LED strip length (roll)	2.44m	8'
	4.88m	16'
	24.99m	82'
Quantity of LED chips	316 LED/m	96 LED/ft
LED strip width	8mm	5/16"
Ambient temperature	-20°C to 45°C	-4°F to 113°F
Lifespan	50000Hrs	



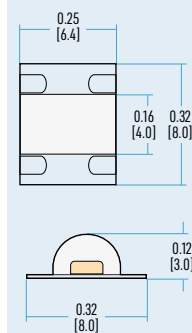
CCT	Flux, Lm/m	Flux, Lm/ft	Efficacy	CRI	R9
2400K	896 lm/m	273 lm/ft	94 lm/W	90+	60+
2700K	932 lm/m	284 lm/ft	98 lm/W	90+	60+
3000K	958 lm/m	292 lm/ft	101 lm/W	90+	60+
3500K	988 lm/m	301 lm/ft	104 lm/W	90+	60+
4000K	1007 lm/m	307 lm/ft	106 lm/W	90+	60+

PHYSICAL PARAMETERS

Scale 1:1



Scale 2:1



LIGHT AS A BUILDING MATERIAL

A PERFECT BLEND OF FORM, FUNCTION, LIGHT AND AESTHETICS

CREATES ARCHITECTURAL ALCHEMY, TO INSPIRE AWE AND
ENHANCING THE HUMAN EXPERIENCE

VISUALLY PLEASING, PRACTICALLY INVISIBLE INTEGRATION
IN MATERIALS, SURFACES AND STRUCTURES

HIGH-PERFORMANCE, SOFT-WHITE LUMINOUS BUILDING MATERIAL
ENABLES NEW ROLE FOR LIGHTING AS A TOOL FOR WAYFINDING

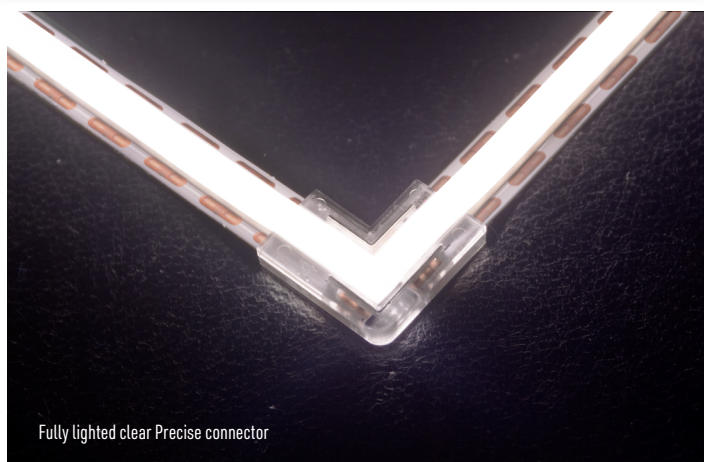
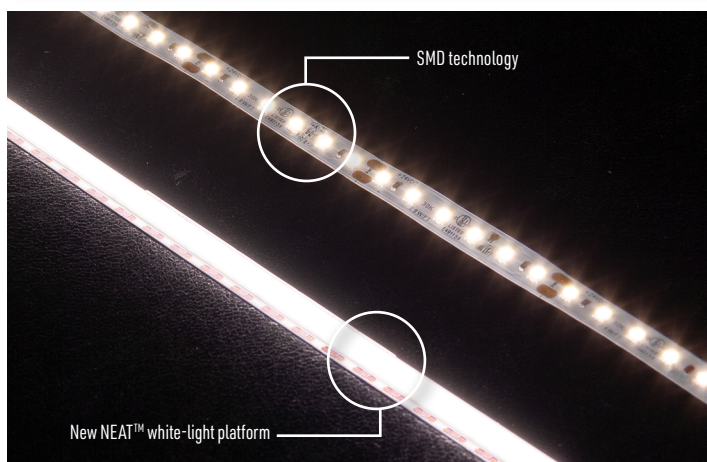


LLES (Linear Light-emitting Surface)

- High-efficacy, dot-free LED lighting
- No color-over-angle issues, always viewed as white
- Wider beam (147° across) ideal for indirect lighting
- Diffuse effect created by exclusive white/clear silicone optical element

DESIGN FLEXIBILITY

- Shallow light form and clear connectors for easy integration; 1/4" cut facilitates installation
- Numerous mounting possibilities, including without a lens on flat or curved surfaces
- Multiple channels, optics and orientation options

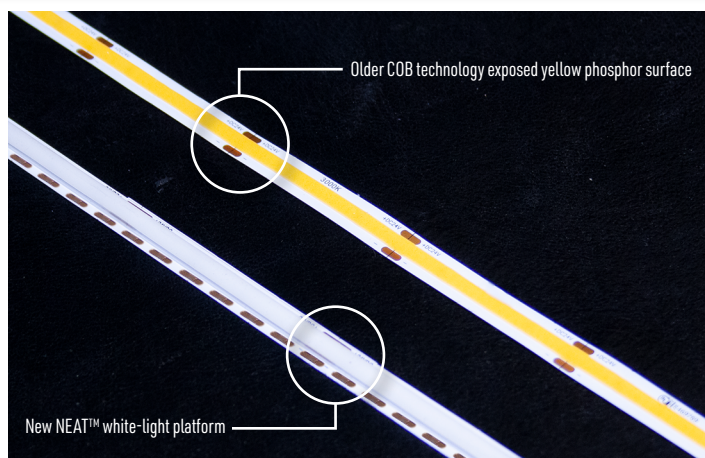
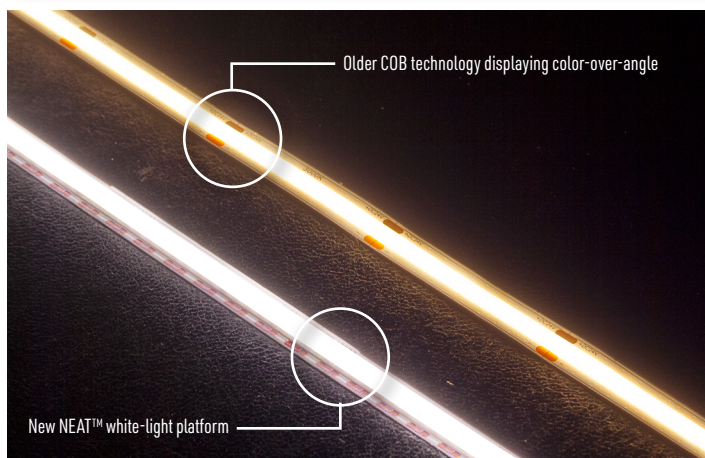


NEAT™ APPLICATIONS



LOOKS AS GOOD OFF AS ON

- Continuous line of soft white light supports good visual comfort
- White LLES (Linear Light-emitting surface) on white LED strip ensures lighting consistency
- Discreet, bendable LLES (Linear Light-emitting surface) remains white at all times, blends in with surroundings when light is turned off
- Aesthetic alternative to COB – no more yellow strips nor yellow/blue spill light visible in the space



ORDERING SHEET - BULK PARTS

NEAT LED STRIP				
Part number	Length	LM-code	CCT	Quantity
NEAT-24K-24V-87-2.9_FT-IP40-8FT	8ft / 2.44m	lm28998-57	2400K	
NEAT-24K-24V-87-2.9_FT-IP40-16FT	16ft / 4.88m	lm28998-07		
NEAT-24K-24V-87-2.9_FT-IP40-82FT	82ft / 24.99m	lm28998-65		
NEAT-27K-24V-87-2.9_FT-IP40-8FT	8ft / 2.44m	lm28998-01	2700K	
NEAT-27K-24V-87-2.9_FT-IP40-16FT	16ft / 4.88m	lm28998-05		
NEAT-27K-24V-87-2.9_FT-IP40-82FT	82ft / 24.99m	lm28998-66		
NEAT-30K-24V-87-2.9_FT-IP40-8FT	8ft / 2.44m	lm28998-02	3000K	
NEAT-30K-24V-87-2.9_FT-IP40-16FT	16ft / 4.88m	lm28998-06		
NEAT-30K-24V-87-2.9_FT-IP40-82FT	82ft / 24.99m	lm28998-67		
NEAT-35K-24V-87-2.9_FT-IP40-8FT	8ft / 2.44m	lm28998-03	3500K	
NEAT-35K-24V-87-2.9_FT-IP40-16FT	16ft / 4.88m	lm28998-08		
NEAT-35K-24V-87-2.9_FT-IP40-82FT	82ft / 24.99m	lm28998-68		
NEAT-40K-24V-87-2.9_FT-IP40-8FT	8ft / 2.44m	lm28998-04	4000K	
NEAT-40K-24V-87-2.9_FT-IP40-16FT	16ft / 4.88m	lm28998-09		
NEAT-40K-24V-87-2.9_FT-IP40-82FT	82ft / 24.99m	lm28998-69		

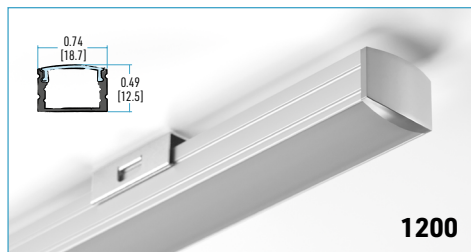
ACCESSORIES			
Part number	Units	LM-code	Quantity
STRIP-TO-STRIP CONNECTOR, STRAIGHT	10 pk.	lm28907-10	
STRIP-TO-STRIP CONNECTOR, 90	10 pk.	lm28907-08	
6" LED JUMPER	10 pk.	lm28907-09	
STRIP-TO-WIRE CONNECTOR	10 pk.	lm28907-07	
2-WAY WIRE CLIP CONNECTOR	1 pc.	lm22000-05	
SELF-SOLDERING WIRE CONNECTOR	100 pk.	lm35007-09	

LED system voltage power per foot length

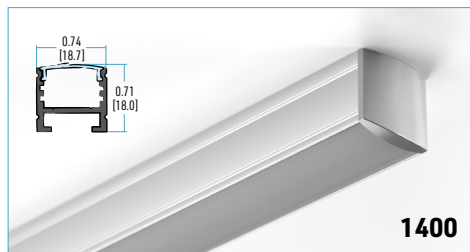
NEAT - 27K - 24V - 87 - 2.9_FT - IP40 - 16FT

CCT 2700 K LED per foot IP rating

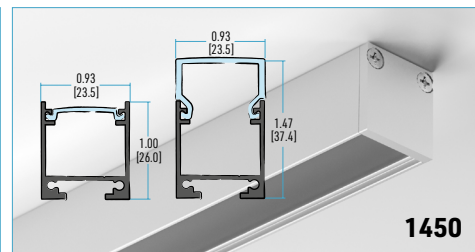
ORDERING SHEET - ASSEMBLED / SEMI-ASSEMBLED FIXTURES, SURFACE



1200



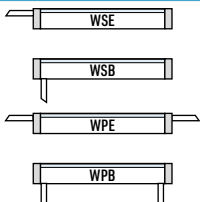
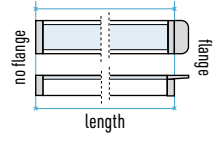
1400



1450

1	2	3	4	5	6	7	8	9	10	11	12
Channel	Finish	Mounting	Optics	Lumen Package	CCT	Application	Power Feed	Input / Output	Exact / Optimal	Length, in	Power Supply
-	-	-	-	LN2	-	AIM	-	-	QE	-	-

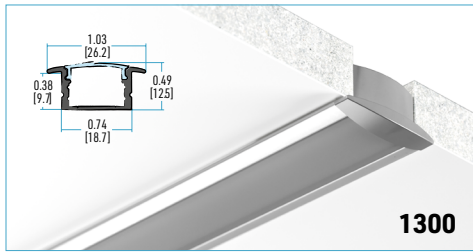
1 CHANNEL	2 FINISH	3 MOUNTING	4 OPTICS	5 LUMEN PACKAGE	6 CCT
CA12 - 1200	0 - Anodized aluminum finish 2 - Painted white finish X - Custom color provide RAL #	MC11 - Flat surface bracket MC12 - 45° Corner bracket MC18 - Swivel 180° MC10* - Phantom bracket MI10* - Magnetic bracket MI120* - Surface 2-side bracket MI110* - Surface 1-side bracket MI130* - Surface 90-degree bracket MI140* - Surface 45-degree bracket MS110* - Suspension kit MNO - No mounting * Mounting hardware compatible only with 1400 and 1450 channels (CA14x / CA145x)	DC10 [†] - Clear lens DO10 - Opal lens DR10 - Prime lens DO14 ^{††} - Opal lens 1450 Series DR14 ^{††} - Prime lens 1450 Series DRD14 ^{††} - Prime 3D lens 1450 Series DS10 ^{†††} - SiLens, silicone DNO - No lens [†] Optics not recommended for direct view applications ^{††} Optics compatible only with the 1450 channel (CA145x) ^{†††} Optics not compatible with the 1450 channel (CA145x)	LN2 - 2.9 W/ft	24 - 2400K 27 - 2700K 30 - 3000K 35 - 3500K 40 - 4000K

7 APPLICATION	8 POWER FEED	9 INPUT / OUTPUT	10-11 LENGTH*	12 POWER SUPPLY TYPE*
AIM - Indoor damp locations	FH3 - Hardwire, 3ft wire FH6 - Hardwire, 6ft wire FH9 - Hardwire, 9ft wire FHX - Hardwire, custom length wire	WSE - Simple lead-in, end feed WSB - Simple lead-in, back feed WPE - Pass-through, end feed WPB - Pass-through, back feed 	Length of the luminaire in inches. *Includes end caps, excludes flanges (when applicable). 	PND - Non-dimmable P010 - 0-10V dimming PELV - ELV/MLV dimming P5i1 - 5 in 1 dimming PDAL - DALI2 PNO - No power supply * See the last page for the list of compatible power supplies

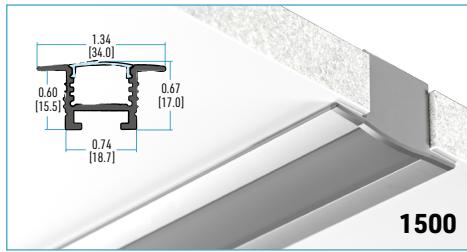
1400 series	alu. finish	prime lens	CCT 3500 K	indoor damp application	exact length	36" fixture (with end caps)										
CA140	-	MI120	-	DR10	-	LN235	-	AIM	-	FH6	-	WSB	-	QE36	-	PND
	surface 2-side bracket		NEAT, 2.9W/ft		hardwire connection, 6'		back feed lead-in only		No-dimming power supply							

ACCESSORIES							
Part number	Units	LM-code	Quantity	Part number	Units	LM-code	Quantity
STRIP-TO-STRIP CONNECTOR, STRAIGHT	10 pk.	lm28907-10		STRIP-TO-WIRE CONNECTOR	10 pk.	lm28907-07	
STRIP-TO-STRIP CONNECTOR, 90	10 pk.	lm28907-08		2-WAY WIRE CLIP CONNECTOR	1 pc.	lm22000-05	
6" LED JUMPER	10 pk.	lm28907-09		SELF-SOLDERING WIRE CONNECTOR	100 pk.	lm35007-09	

ORDERING SHEET - ASSEMBLED / SEMI-ASSEMBLED FIXTURES, RECESSED



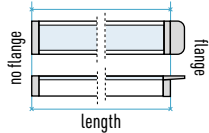
1300



1500

1	2	3	4	5	6	7	8	9	10	11	12
Channel	Finish	Mounting	Optics	Lumen Package	CCT	Application	Power Feed	Input / Output	Exact / Optimal	Length, in	Power Supply
				LN2		AIM			QE		

1 CHANNEL	2 FINISH	3 MOUNTING	4 OPTICS	5 LUMEN PACKAGE	6 CCT
CA13* - 1300	0 - Anodized aluminum finish	MC11* - Flat surface bracket	DC10 [†] - Clear lens	LN2 - 2.9 W/ft	24 - 2400K
CA15** - 1500	2 - Painted white finish	MI1S** - Spring bracket	DO10 - Opal lens		27 - 2700K
	X - Custom color provide RAL #	MNO - No mounting	DR10 - Prime lens		30 - 3000K
		* Mounting hardware compatible only with the 1300 channel (CA13x)	DS10 - SiLens, silicone		35 - 3500K
		** Mounting hardware compatible only with the 1500 channel (CA15x)	DNO - No lens		40 - 4000K

7 APPLICATION	8 POWER FEED	9 INPUT / OUTPUT	10-11 LENGTH*	12 POWER SUPPLY TYPE*
AIM - Indoor damp locations	FH3 - Hardwire, 3ft wire	WSB - Simple lead-in, back feed	Length of the luminaire in inches. *Includes end caps, excludes flanges (when applicable).	PND - Non-dimmable
	FH6 - Hardwire, 6ft wire	WPB - Pass-through, back feed		P010 - 0-10V dimming
	FH9 - Hardwire, 9ft wire			PELV - ELV/MLV dimming
	FHX - Hardwire, custom length wire			P5i1 - 5 in 1 dimming
				PDAL - DALI2
				PNO - No power supply
				* See the last page for the list of compatible power supplies

1300 series	alu. finish	prime lens	CCT 3500 K	indoor damp application	exact length	36" fixture (with end caps)										
CA130	-	MC11	-	DR10	-	LN2 35	-	AIM	-	FH6	-	WSB	-	QE36	-	P010
		flat bracket		NEAT, 2.9W/ft		hardwire connection, 6'		back feed lead-in only		0-10V dimming						

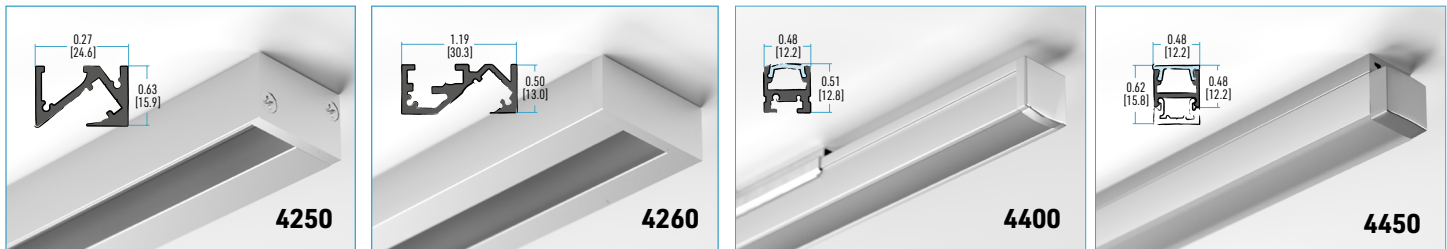
ACCESSORIES							
Part number	Units	LM-code	Quantity	Part number	Units	LM-code	Quantity
STRIP-TO-STRIP CONNECTOR, STRAIGHT	10 pk.	lm28907-10		STRIP-TO-WIRE CONNECTOR	10 pk.	lm28907-07	
STRIP-TO-STRIP CONNECTOR, 90	10 pk.	lm28907-08		2-WAY WIRE CLIP CONNECTOR	1 pc.	lm22000-05	
6" LED JUMPER	10 pk.	lm28907-09		SELF-SOLDERING WIRE CONNECTOR	100 pk.	lm35007-09	

ORDERING SHEET - ASSEMBLED / SEMI-ASSEMBLED FIXTURES, MINIATURE (NOT COMPATIBLE WITH CONNECTORS)

Notes:

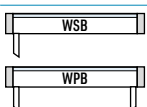
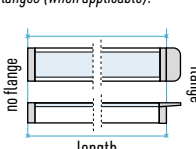
All 4000 series profiles are not compatible with strip-to-strip connectors, strip-to-wire connectors and jumpers.

4250 and 4260 series can be used without optics for higher light output



1	2	3	4	5	6	7	8	9	10	11	12
Channel	Finish	Mounting	Optics	Lumen Package	CCT	Application	Power Feed	Input / Output	Exact / Optimal	Length, in	Power Supply
-	-	-	LN2	-	AIM	-	-	-	QE	-	-

1	2	3	4	5	6
CHANNEL	FINISH	MOUNTING	OPTICS	LUMEN PACKAGE	CCT
CA425* - 4250 CA426* - 4260 CA44** - 4400 CA445***† - 4450	0 - Anodized aluminum finish X - Custom color provide RAL #	MC40* - Phantom bracket MC41** - Flat surface bracket MC4R*** - Mounting rail MNO - No mounting * Mounting hardware compatible with 4250 / 4260 (CA425x / CA426x) ** Mounting hardware compatible only with 4400 channel (CA44x) *** Mounting hardware compatible only with 4450 channel (CA445x)	DO40 - Opal lens DB40 - Black lens lens DS40† - Silicone Lens DOE40†† - Opal edge-to-edge DNO - No lens † Optics compatible only with 4400 channel (CA44x) †† Optics compatible only with 4450 channel (CA445x)	LN2 - 2.9 W/ft	KE24 - 2400K KE27 - 2700K KE30 - 3000K KE35 - 3500K KE40 - 4000K

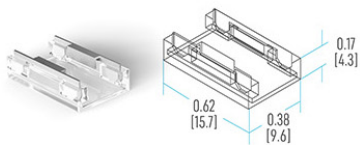
7	8	9	10-11	12
APPLICATION	POWER FEED	INPUT / OUTPUT	LENGTH*	POWER SUPPLY TYPE*
AIM - Indoor damp locations	FH3 - Hardwire, 3ft wire FH6 - Hardwire, 6ft wire FH9 - Hardwire, 9ft wire FHX - Hardwire, custom length wire	WSB - Simple lead-in, back feed WPB - Pass-through, back feed 	Length of the luminaire in inches. *Includes end caps, excludes flanges (when applicable). 	PND - Non-dimmable P010 - 0-10V dimming PELV - ELV/MLV dimming P5i1 - 5 in 1 dimming PDAL - DALI2 PNO - No power supply * See the last page for the list of compatible power supplies

4400 series	alu. finish	black lens	CCT 3500 K	indoor damp application	exact length	36" fixture (with end caps)										
CA440	-	MC41	-	DB40	-	LN235	-	AIM	-	FH6	-	WSB	-	QE36	-	PND
	flat bracket		NEAT, 2.9W/ft		hardwire connection, 6'		back feed lead-in only		No-dimming power supply							

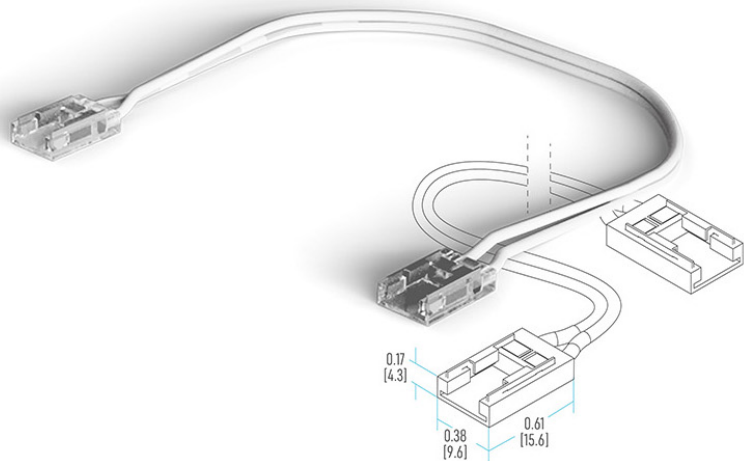
ACCESSORIES			
Part number	Units	LM-code	Quantity
2-WAY WIRE CLIP CONNECTOR	1 pc.	lm22000-05	
SELF-SOLDERING WIRE CONNECTOR	100 pk.	lm35007-09	

DIMENSIONS - ACCESSORIES (NOT COMPATIBLE WITH THE 4000 SERIES CHANNELS)

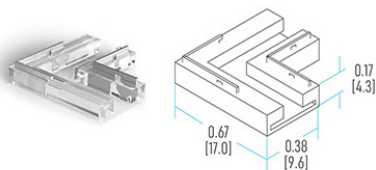
STRIP TO STRIP CONNECTOR, STRAIGHT



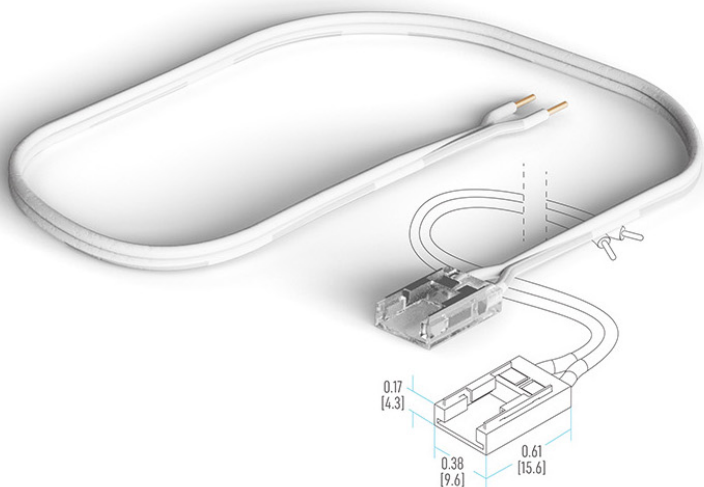
6" LED JUMPER



STRIP TO STRIP CONNECTOR, 90 DEGREE

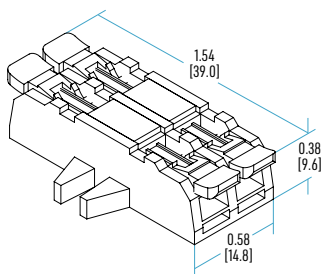


12" STRIP TO WIRE CONNECTOR

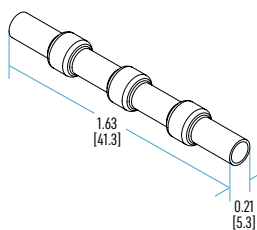


DIMENSIONS - ACCESSORIES

2-WAY WIRE CLIP CONNECTOR












SELF-SOLDERING WIRE CONNECTOR



Important!

NEAT can be dimmed to 0.1% (dimming below 50% may result in slight pixelation).

DRIVER	POWER	DIMM. PROTOCOL	DIMM. RANGE	INPUT	OUTPUT	LOCATION	DIMENSIONS	CERT.	SPECS	QTY
LTPS-NODIM-100 277VAC-CV-24V-96W-HW-DRBX	96W	No dimming	N/A	Hardwire	Hardwire	Dry, Damp, Wet	8.66" x 3.74" x 1.57" 220mm x 95mm x 40mm	cULus		
LTPS-DIM-100-130VAC-CV-24V-25W-ELV-EN-DRBX	25W	TRIAC ELV MLV	0.1% - 100%	Enclosed	Enclosed	Dry, Damp	13.62" x 3.07" x 1.48" 346mm x 78mm x 37.5mm	cETLus		
LTPS-DIM-100-130VAC-CV-24V-50W-ELV-HW	50W			Enclosed	Enclosed	Dry, Damp	13.62" x 3.07" x 1.48" 346mm x 78mm x 37.5mm	cETLus		
LTPS-DIM-100-130VAC-CV-24V-96W-ELV-HW-DRBX	96W			Hardwire	Hardwire	Dry, Damp, Wet	14.96" x 3.03" x 2.24" 380mm x 77mm x 57mm	cETLus		
LTPS-DIM-100 277VAC-CV-24V-96W-UNIV-HW-DRBX	96W			Hardwire	Hardwire	Dry, Damp, Wet	8.66" x 3.66" x 1.61" 220mm x 93mm x 41mm	cULus		
MINI-60W-24V-100 130VAC-TRIAC/ELV/MLV/BK-DRBX	60W		0% - 100%	Hardwire	Hardwire	Dry, Damp, Wet	5.00" x 3.22" x 1.64" 127mm x 82mm x 41.8mm	cULus		
MINI-96W-24V-100 130VAC-TRIAC/ELV/MLV/BK-DRBX	96W			Hardwire	Hardwire	Dry, Damp, Wet	5.00" x 3.22" x 1.64" 127mm x 82mm x 41.8mm	cULus		
LTPS-DIM-100 277VAC-CV-24V-96W-0-10V-HW-DRBX	96W	0 - 10V	0.1% - 100%	Hardwire	Hardwire	Dry, Damp, Wet	8.66" x 3.66" x 1.61" 220mm x 93mm x 41mm	cULus		
LUTRON-HI-LUME-PREMIER-ECO	96W			Hardwire	Hardwire	Dry	10.51" x 5.51" x 2.01" 267mm x 140mm x 51mm	cULus		
LTC-96W-24V-200 347VAC-0-10V-BK	96W		0% - 100%	Hardwire	Hardwire	Dry, Damp, Wet	9.49" x 4.92" x 1.68" 241mm x 125mm x 42.7mm	cULus		
LTE-30W-24V-120 277VAC-TRIAC/0-10V-BK	30W	5 in 1 dimming: TRIAC ELV MLV 0-10V 1-10V	0% - 100%	Hardwire	Hardwire	Dry, Damp, Wet	6.71" x 4.59" x 1.65" 170.5mm x 116.5mm x 42mm	cULus		
LTE-60W-24V-120 277VAC-TRIAC/0-10V-BK	60W			Hardwire	Hardwire	Dry, Damp, Wet	7.74" x 4.07" x 1.57" 196.5mm x 103.4mm x 40mm	cULus		
LTE-96W-24V-120 277VAC-TRIAC/0-10V-BK	96W			Hardwire	Hardwire	Dry, Damp, Wet	7.74" x 4.07" x 1.57" 196.5mm x 103.4mm x 40mm	cULus		
LTPS-100 277VAC-CV-24V-192W-5IN1DIM-HW-DRBX	2 x 96W		0.1% - 100%	Hardwire	Hardwire	Dry, Damp, Wet	10.95" x 4.33" x 1.91" 278mm x 110mm x 49mm	cULus		
LTPS-100 277VAC-CV-24V-288W-5IN1DIM-HW-DRBX	3 x 96W			Hardwire	Hardwire	Dry, Damp, Wet	11.93" x 4.33" x 1.91" 303mm x 110mm x 49mm	cULus		
LTD-96W-24V-120 277VAC-DALI2-BK	96W	DALI-2	0% - 100%	Hardwire	Hardwire	Dry, Damp, Wet	9.49" x 4.92" x 1.68" 241mm x 125mm x 42.7mm	cULus		

A Class 2 LED driver is designed to deliver a limited amount of electrical power to LED lighting fixtures. It refers to a set of safety standards established by the Canadian Electric Code (CEC) and the National Electrical Code (NEC), which governs the use of low-voltage power sources in buildings.

Class 2 LED drivers are important because they provide a safe and reliable power source for LED lighting systems. These drivers are designed to limit the amount of electrical current and voltage that is delivered to the LED fixtures, which helps to prevent electrical shock hazards and minimize the risk of fire or other electrical hazards.

Additionally, Class 2 LED drivers are typically more energy-efficient than other types of power supplies, which can help to reduce energy consumption and lower operating costs for LED lighting systems.