

LineLED High Efficacy Series LLHE208-IP20



* MFG Model Number: LLHE64-XX

Features

The High Efficacy, LLHE208-IP20 series is a small form factor high performance constant voltage LED strip. Designed to deliver best in class efficacy while operating at low temperature, LLHE208-IP20 deliver constant light output, outstanding color consistency and dimming performance.

Mounting

LED strip is equipped with 3M™ adhesive tape.

Applications

Indoor only - millwork, cove, architectural reveals, undercabinet, display case, handrail, accent lighting.

Approvals

CE, UKCA, UL, Class 2

Operating voltage

24 VDC

Average Life (L70)

50,000 hours

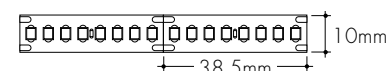
Warranty

7 years



Technical information

TYPE	LLHE208-IP20						
OUTPUT OPTIONS	VLO	LO	SO	MO	HO	VHO	XHO
Lumens Output (3000K)	466 lm/m	1010 lm/m	1447 lm/m	1923 lm/m	2733 lm/m	3747 lm/m	4511 lm/m
Average Power Consumption	3.0 W/m	6.2 W/m	8.6 W/m	12.1 W/m	16.6 W/m	21.9 W/m	27.4 W/m
Efficacy	156 lm/W	161 lm/W	158 lm/W	157 lm/W	155 lm/W	161 lm/W	155 lm/W
Cutting Increment (mm)	38.5 mm						
Pitch Length	4.8 mm						
Max Run Length (in series)	27.4 m	16.7 m	10.6 m	7.9 m	5.2 m	4.0 m	3.0 m
Dimensions	10 mm W x 2.3 mm H						
Ambient Operating Temperature Range*	- 20°C - 50°C			- 20°C - 45°C - 20°C - 35°C - 20°C - 30°C			



*XHO output must be paired with an aluminum channel

*Ambient Operating Temperature Range to maintain L70 of 50K+ hours in normal conditions. Exceeding Ambient Operating Temperature Range may result in decreased life/output. Consult Technical Support for specific inquiries.

CCT	Multiplier (reference - 3000K)	TM-30			
		CRI	R _f	R _g	R ₉
2200K	0.74	94	91	96	65
2400K	0.87	94	92	97	56
2700K	0.97	94	92	100	57
3000K	1.00	93	91	99	54
3500K	1.01	95	91	99	62
4000K	1.04	95	91	99	68

Ordering code

MODEL	OUTPUT	CCT	REEL SIZE
LLHE208-IP20 - LineLED High Efficacy, Dry Location	VLO - Very Low LO - Low SO - Standard MO - Medium HO - High VHO - Very High XHO - Extreme	22K - 2200K 24K - 2400K 27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K	R10m - Reel, 10 meter



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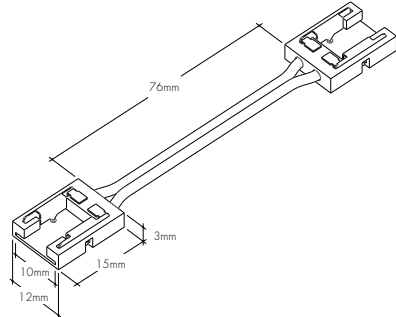
Minii Connectors

Minii connectors are easy, field-installable accessories that make joining LL strip simple! Their minimal width allows them to fit into extrusions, while their transparent frame eliminates dark spots.

Note: verify internal extrusion dimensions to confirm compatibility

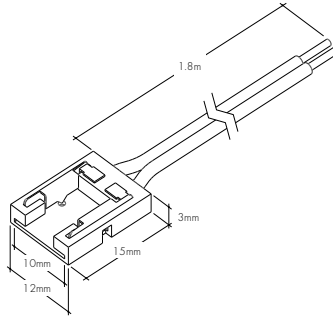
LL-PJC-10

Jumper minii connector with 76mm wire for LLHE208-IP20 LED strip



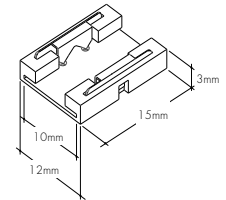
LL-PFC-10-1.8M

Power feed minii connector with 1.8m wire for LLHE208-IP20 LED strip

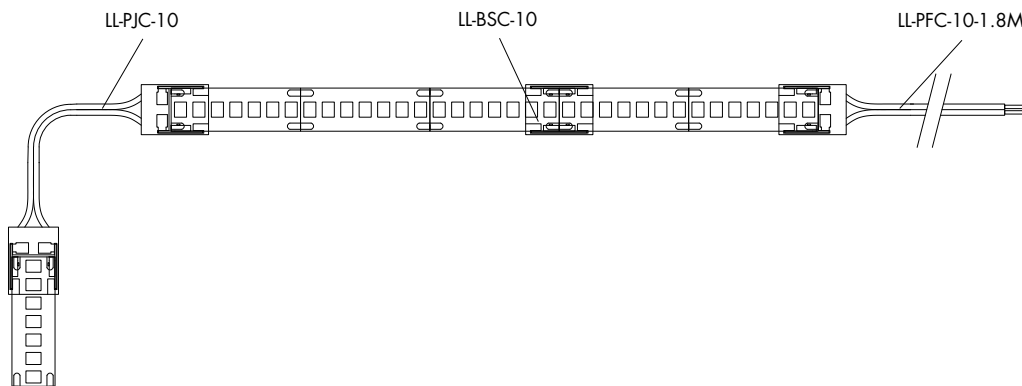


LL-BSC-10

Butt splice minii connector for LLHE208-IP20 LED strip



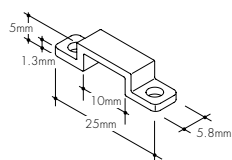
Sample Layout



Accessories

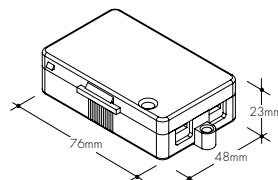
CL1

Mounting clip



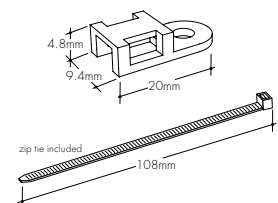
LVSP-IP20-4T-BK

Low Voltage, 4 Terminal Splice Box, Black



LL-ZIP

Cable/Wire Strain Relief Clip



Recommended every 300mm when LineLED strip is facing down



Lens Options / Light Transmission



Clear



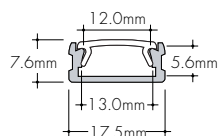
Half (50%)
Frosted



Frosted



KS Channel (KSC-XX)



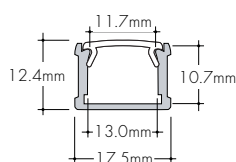
Ordering code

MODEL	LENGTH	LENS	MOUNTING ¹	FINISH
KSC-KS Channel	2M-2 meter	C-Clear HF-Half Frosted F-Frosted	FC-Fixed Clip FC45-Fixed Clip 45°	SA-Silver Anodized

1 - Extrusion comes with 4 selected clips and 2 end caps.



KM Channel (KMC-XX)



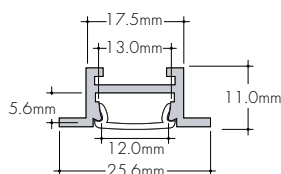
Ordering code

MODEL	LENGTH	LENS	MOUNTING ¹	FINISH
KMC-KM Channel	2M-2 meter	C-Clear HF-Half Frosted F-Frosted	FC-Fixed Clip FC45-Fixed Clip 45°	SA-Silver Anodized

1 - Extrusion comes with 4 selected clips and 2 end caps.



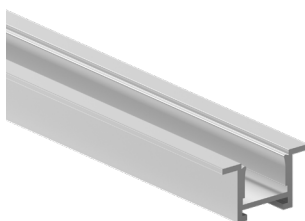
KRS Channel (KRSC-XX)



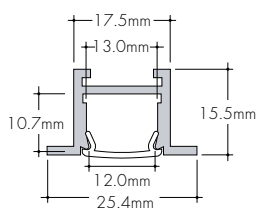
Ordering code

MODEL	LENGTH	LENS	MOUNTING ¹	FINISH
KRSC-KRS Channel	2M-2 meter	C-Clear HF-Half Frosted F-Frosted	HS-Hard Surface Mounting Bracket GS-Gypsum Surface Mounting Bracket	SA-Silver Anodized

1 - Extrusion comes with 4 selected clips and 2 end caps.



KRM Channel (KRMC-XX)



Ordering code

MODEL	LENGTH	LENS	MOUNTING ¹	FINISH
KRMC-KRM Channel	2M-2 meter	C-Clear HF-Half Frosted F-Frosted	HS-Hard Surface Mounting Bracket GS-Gypsum Surface Mounting Bracket	SA-Silver Anodized

1 - Extrusion comes with 4 selected clips and 2 end caps.

Installation

All mounting channels are field cuttable using miter saw with circular blade suitable for cutting aluminum.

Ordering

Extrusion are sold separately.



Lens Options / Light Transmission



Clear



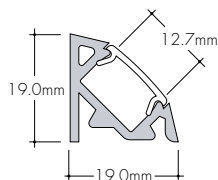
Half (50%)
Frosted



Frosted



K45V Channel (K45V-XX)



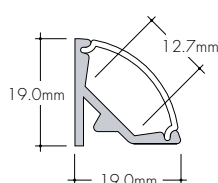
Ordering code

MODEL	LENGTH	LENS	MOUNTING ¹	FINISH
K45VC - K45V Channel	2M - 2 meter	C - Clear HF - Half Frosted F - Frosted	CB - Concealed Bracket	SA - Silver Anodized

¹ - Extrusion comes with 4 selected clips and 2 end caps.



K45R Channel (K45R-XX)



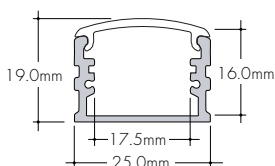
Ordering code

MODEL	LENGTH	LENS	MOUNTING ¹	FINISH
K45RC - K45R Channel	2M - 2 meter	C - Clear HF - Half Frosted F - Frosted	CB - Concealed Bracket	SA - Silver Anodized

¹ - Extrusion comes with 4 selected clips and 2 end caps.



Basics X-Large Channel
(BXC-XX)



Ordering code

MODEL	LENGTH	LENS	MOUNTING ¹	FINISH
BXC - Basics X-Large Channel	2M - 2 meter	F - Frosted	FC - Fixed Clip	SA - Silver Anodized

¹ - Extrusion comes with 4 selected clips and 2 end caps.

Installation

All mounting channels are field cuttable using miter saw with circular blade suitable for cutting aluminum.

Ordering

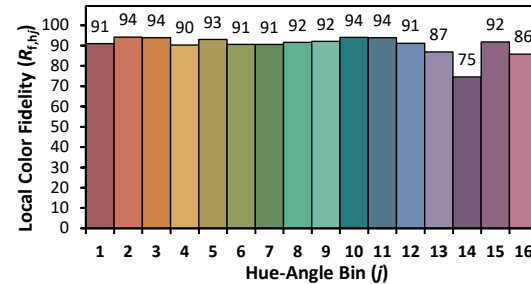
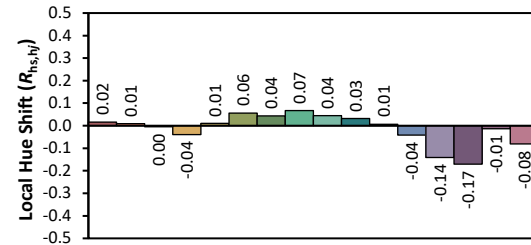
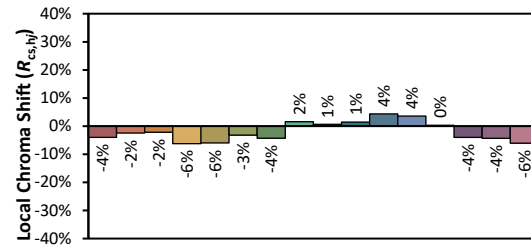
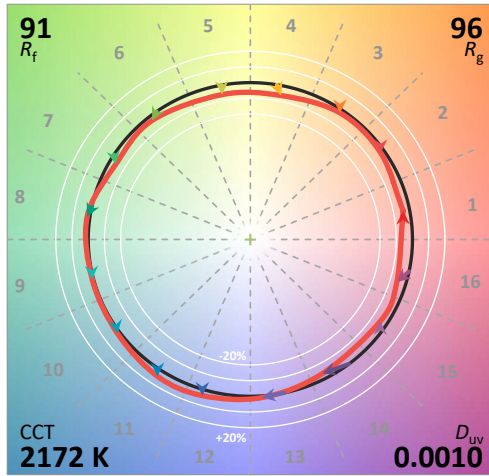
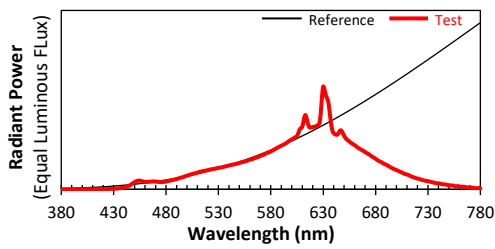
Extrusion are sold separately.



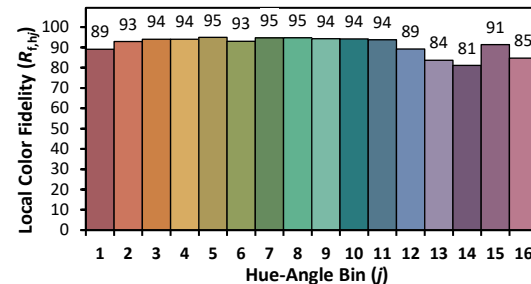
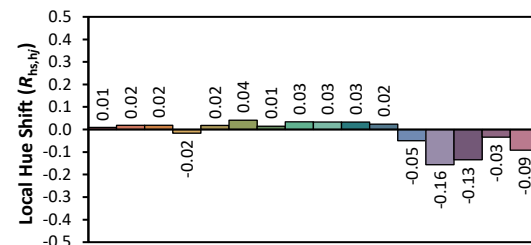
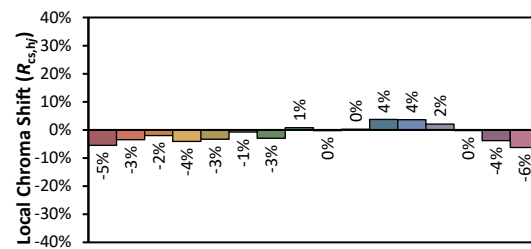
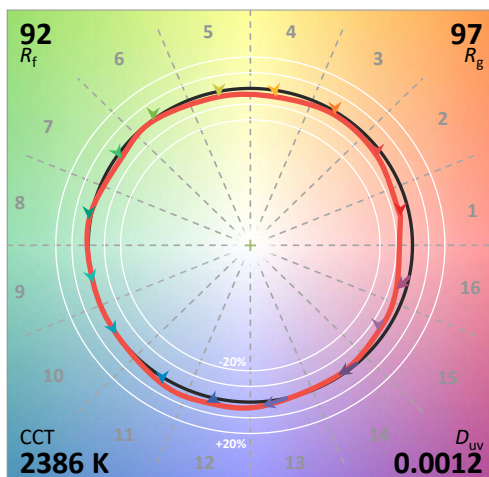
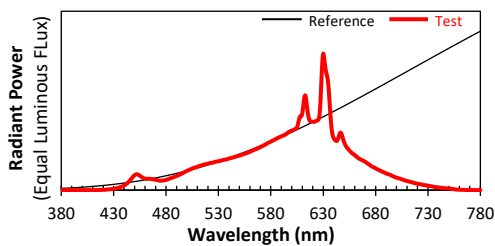
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TM-30-15: Data

2200K



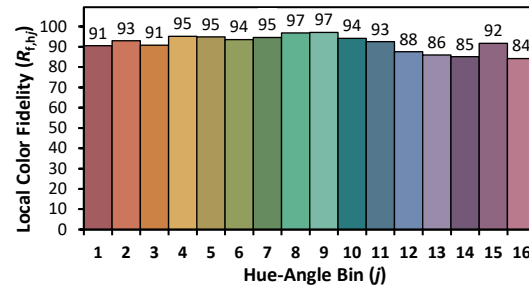
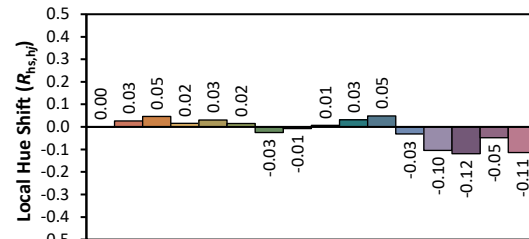
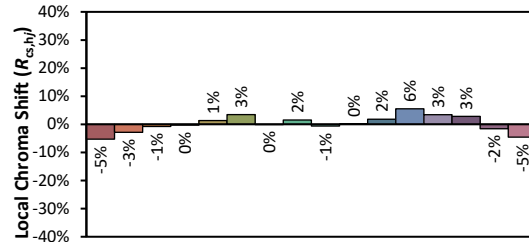
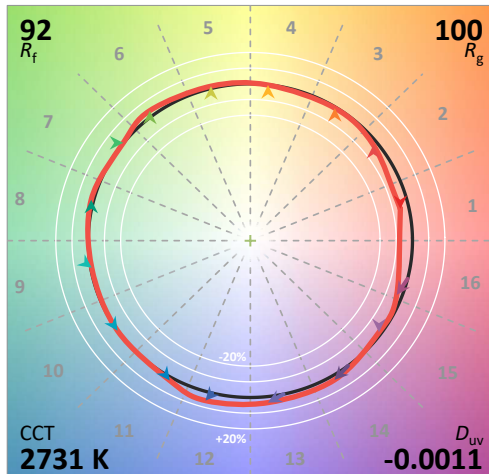
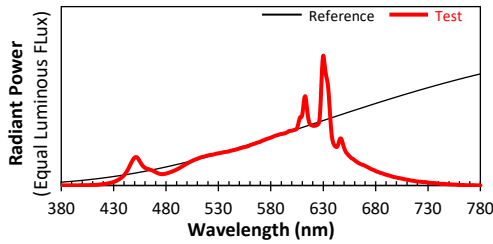
2400K



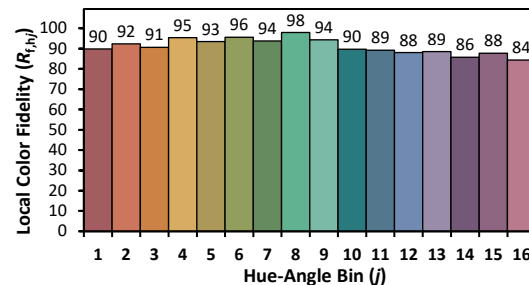
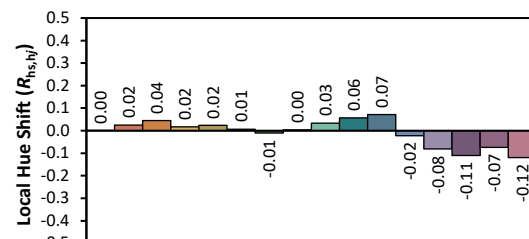
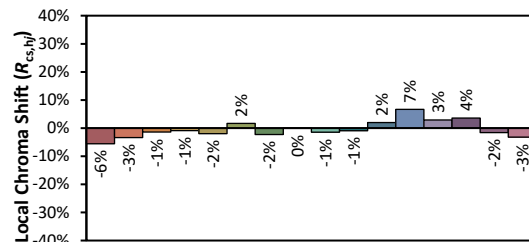
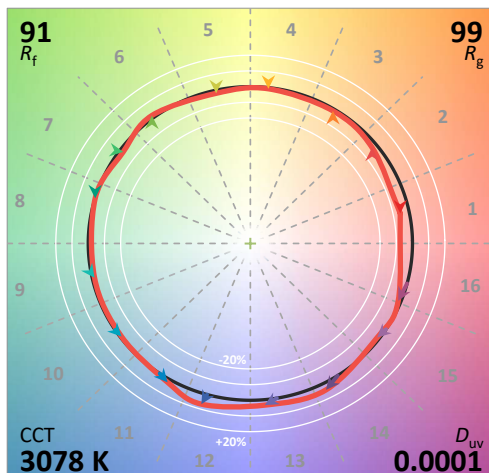
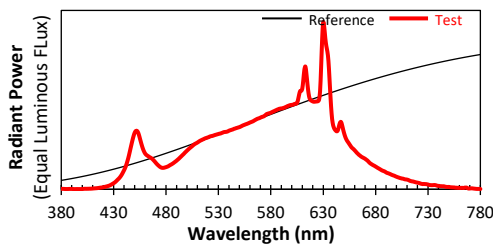
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TM-30-15: Data

2700K



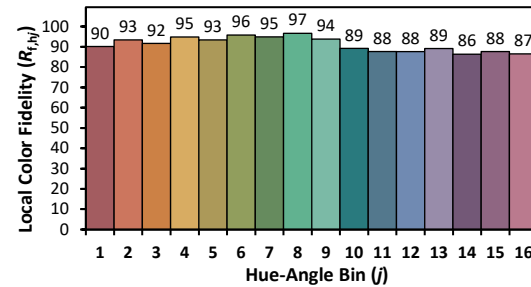
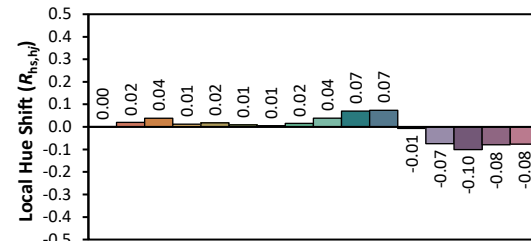
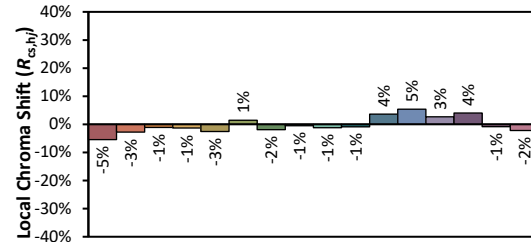
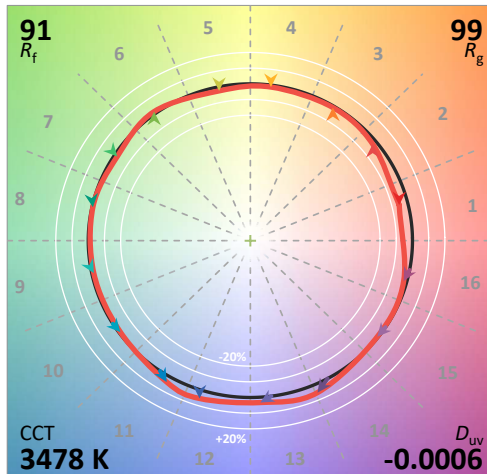
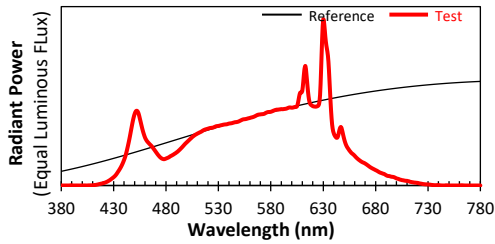
3000K



LineLED High Efficacy Series LLHE208-IP20

TM-30-15: Data

3500K



4000K

