

High Power

SEN CC 100 Fixture Guide



Indoor/Outdoor | Surface | Output up to 1070lm/m (326lm/ft)

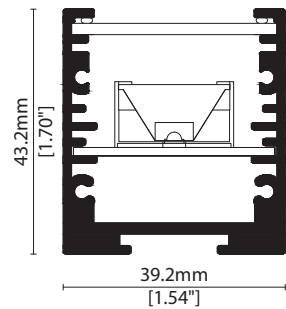


Key applications

- ✓ Backlighting/Signage
- ✓ Building façades
- ✓ Ceiling
- ✓ Cove lighting
- ✓ Downlighting
- ✓ Flood lighting
- ✓ Interior/Exterior
- ✓ Public spaces
- ✓ Wall grazing
- ✓ Window Reveal

Key features

- ✓ Custom lengths
- ✓ Diffusion: Spotting
- ✓ Direct view
- ✓ High lumen efficacy
- ✓ IP44
- ✓ IP67
- ✓ Lensed



MOUNTING METHODS



KKCP-12 Lock clip



KKBK-02 Fixed bracket



KKBK-09 Mounting plate



KKBK-16 Small adjustable bracket



KKBK-17 Large adjustable bracket



KKBK-23 Low adjustable bracket



SEN CC 100

Specification sheet



Dimensions	H43.2/W39.2/L210-1810mm (H1.70/W1.54/L8.27-71.26in) 1810mm (71.26in) max for UL
PCB Cut-point	100mm (3.94in)
LED Pitch	100mm - 10LED/m (3.94in - 3LED/ft)
Chip	hcc-line: CREE/Lumileds
Cover/Optics	Clear + 10°/20°/30°/60°/Spread lens (10°x45°)/No lens/Micro louvre
CCT	hcc-line White: 2700K/3000K/3500K/4000K/5000K hcc-line Single colours: Red/Green/Blue
LED binning	hcc-line: 3-step MacAdam Ellipse
CRI	80 (2700K-4000K)/75 (5000K)
Lifetime	50,000 hours @ 25°C (50,000 hours @ 77°F)
Operating temp	350mA: T _a = -25 to 75°C (T _C max = 82°C) T _a = -13 to 167°F (T _C max = 179.6°F) 700mA: T _a = -25 to 55°C (T _C max = 71°C) T _a = -13 to 131°F (T _C max = 159.8°F)
IP Rating	IP44/67
Finish	Silver anodised
Mounting	Surface mounting via brackets
Power feed	Sheathed hardwire tail
Control	0-10V/1-10V/DMX/DALI via. External power supply options



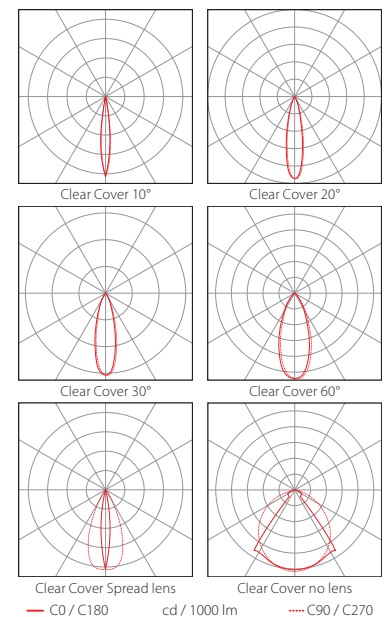
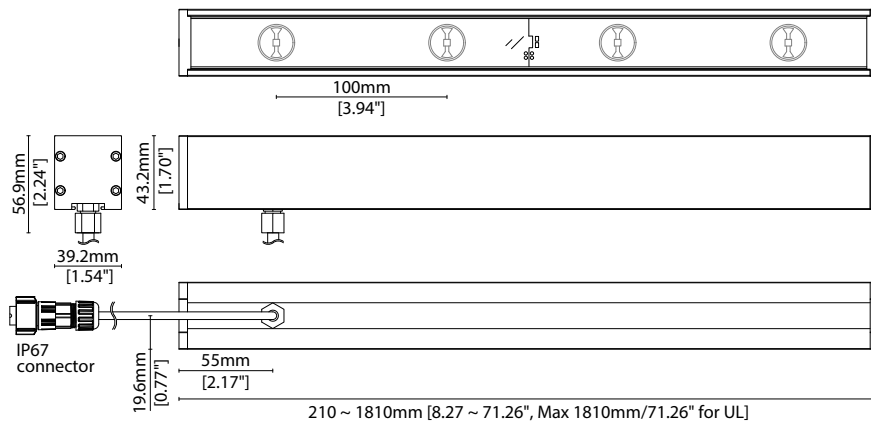
LED Grading Key

Exclusive Grade

h- hcc-line*	*KKDC tuned CCT range
Constant Current Lensed	
High Power LED	
3-step CCT range	

Power consumption	Supply voltage	Supply current
TYP. 10W/m (3.04W/ft) @ 350mA	TYP. 29V/m (8.83V/ft) @ 350mA	0.35/0.7A/m (0.11/0.21A/ft)
TYP. 21W/m (6.40W/ft) @ 700mA	TYP. 29V/m (8.83V/ft) @ 350mA	

	Clear Cover 10°	Clear Cover 20°	Clear Cover 30°	Clear Cover 60°	Clear Cover Spread lens	Clear Cover No Lens	Clear Cover + Micro Louvre	CRI	R9	Rf	Rg
hcc-line	1000lm/m (305lm/ft)	1000lm/m (305lm/ft)	930lm/m (283lm/ft)	1070lm/m (326lm/ft)	970lm/m (296lm/ft)	800lm/m (244lm/ft)	-60% Output when combined with Cover and Lens options	-	-	-	-
	100lm/W @ 3000K, 350mA	100lm/W @ 3000K, 350mA	93lm/W @ 3000K, 350mA	107lm/W @ 3000K, 350mA	97lm/W @ 3000K, 350mA	80lm/W @ 3000K, 350mA					
	1848lm/m (563lm/ft)	1827lm/m (557lm/ft)	1701lm/m (518lm/ft)	1974lm/m (602lm/ft)	1785lm/m (544lm/ft)	1470lm/m (448lm/ft)	-60% Output when combined with Cover and Lens options	-	-	-	-
	88lm/W @ 3000K, 700mA	87lm/W @ 3000K, 700mA	81lm/W @ 3000K, 700mA	94lm/W @ 3000K, 700mA	85lm/W @ 3000K, 700mA	70lm/W @ 3000K, 700mA					



Data derived from independent UKAS/IESNA LM-79-08 accredited testing of production samples.



SEN CC 100

Code Table



FIXTURE

Model	Finish	Cover/Lens ¹	Grade ²	LED	Colour	Length Availability ³	IP	Cable Length	Power Feed ⁴	Cable Exit ⁵	Lens	Input				
SEN	SN Silver Anodised	Clear Clear+ Micro Louvre	B h- h	100	2700K	27	m	210-1810mm 100mm increments	IP44 44 IP67 ⁶ 67	1000mm /39.37"	Single ø6.3mm sheath tail	S00B	Rear Cable Exit RC	No lens 10° 20° 30° 60° Spread Lens	XX 10 20 30 60 SL	Constant current (DC) a
					3000K	30										
					3500K	35	i	8.27-71.26in 3.94in increments	Single ø6.3mm sheath tail	D00B	Side Cable Exit ⁷ SC	20° 30°	20 30			
					4000K	40										
					5000K	50	(Specify length code OR total run length)		Single ø6.3mm sheath IP67 connector	S67B	60°	60				
					RED	RED			Double ø6.3mm sheath IP67 connector	D67B						
					GREEN	GRN										
BLUE	BLU															

¹ Refer to **Cover/Lens Options** on **Options** pages

² Refer to **LED Grading Key** on **Specification sheet** page

³ Refer to **Length Availability List** or enter total run length instead of length code

⁴ Refer to **Power Feed Options** on **Options** pages

⁵ Refer to **Cable Exit Options** on **Options** pages

⁶ Due to the clear, flush potted polyurethane top layer on IP67 SEN a colour shift of +/-20K should be expected

⁷ Low adjustable bracket needs side cable exit option

Code Example:

SN	-	SA	-	B	-	h-	-	100	-	35	-	m	1210	-	67	-	1000	-	S67B	-	RC	-	30	-	a
SEN		Silver anodised		Clear		h-		100		3500K		1210mm		IP67		1000mm/39.37"		Single ø6.3mm sheath IP67 connector		Rear Cable Exit		30°		Constant current (DC)	

ACCESSORIES

Mounting Accessories

KKCP-12	Lock Clip
KKBK-02	Fixed bracket
KKBK-09	Mounting plate
KKBK-16	Small adjustable bracket
KKBK-17	Large adjustable bracket
KKBK-23	Low adjustable bracket

* Refer to **Mounting accessories** on **Accessories** pages

Exterior Junction Boxes

KKJB-07	IP67 Slim J-Box
KKJB-07R	Potting Resin for IP67 Slim J-Box

* Refer to **Exterior Junction Boxes** on **Accessories** pages

PSU/Driver

0-10V/1-10V/DALI/DMX via External power supply options

* Refer to **Driver/PSU Options** page for details or provide requirement and KKDC to offer the suitable option

LED ENGINE VARIANTS (LED STRIP TYPE)

Colour	LED	Lumen/m	Lumen/ft	W/m	W/ft	Spec Doc	Length	Increment
Single CCT	033	3791	1155	69.3	21.12	SEN CC 033	210-1210mm (8.27-47.64in)	100mm (3.94in)
	050	2297	700	46.2	14.08	SEN CC 050	210-1810mm (8.27-71.26in)	100mm (3.94in)
	100	1269	387	23.1	7.04	SEN CC 100	210-1810mm (8.27-71.26in)	100mm (3.94in)

* Performance data: hcc-line, clear cover 60° lens, 700mA, 3000K

High Power

SEN CC 100 (350mA) Length Availability List

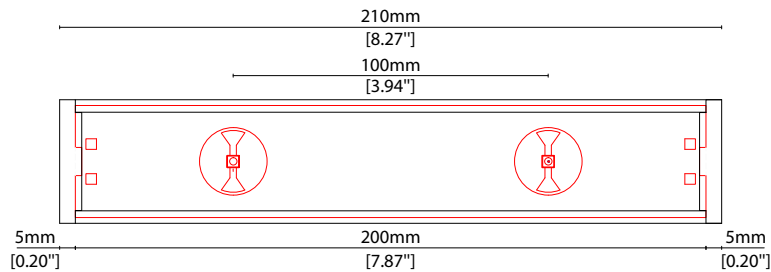


Length Code		Fixture Length ¹		LED Strip ²		End Cap Dimension ³		Wattage (W)	Output (lm)
Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)		3000K (Test Data)
m0210	i0008	210mm	8.27in	200mm	7.87in	10mm	0.39in	1.98	212
m0310	i0012	310mm	12.20in	300mm	11.81in	10mm	0.39in	2.97	317
m0410	i0016	410mm	16.14in	400mm	15.75in	10mm	0.39in	3.96	423
m0510	i0020	510mm	20.08in	500mm	19.69in	10mm	0.39in	4.95	529
m0610	i0024	610mm	24.02in	600mm	23.62in	10mm	0.39in	5.94	635
m0710	i0028	710mm	27.95in	700mm	27.56in	10mm	0.39in	6.93	741
m0810	i0032	810mm	31.89in	800mm	31.50in	10mm	0.39in	7.92	847
m0910	i0036	910mm	35.83in	900mm	35.43in	10mm	0.39in	8.91	952
m1010	i0040	1010mm	39.76in	1000mm	39.37in	10mm	0.39in	9.90	1058
m1110	i0044	1110mm	43.70in	1100mm	43.31in	10mm	0.39in	10.89	1164
m1210	i0048	1210mm	47.64in	1200mm	47.24in	10mm	0.39in	11.88	1270
m1310	i0048	1310mm	51.57in	1300mm	51.18in	10mm	0.39in	12.87	1376
m1410	i0048	1410mm	55.51in	1400mm	55.12in	10mm	0.39in	13.86	1482
m1510	i0048	1510mm	59.45in	1500mm	59.06in	10mm	0.39in	14.85	1587
m1610	i0048	1610mm	63.39in	1600mm	62.99in	10mm	0.39in	15.84	1693
m1710	i0048	1710mm	67.32in	1700mm	66.93in	10mm	0.39in	16.83	1799
m1810	i0048	1810mm	71.26in	1800mm	70.87in	10mm	0.39in	17.82	1905

¹ Actual total overall length of light fixture (LED strip + end caps + void/wire hole)

² Actual length of PCB strip

³ Actual length of 2x end caps



SEN CC 100 (700mA) Length Availability List

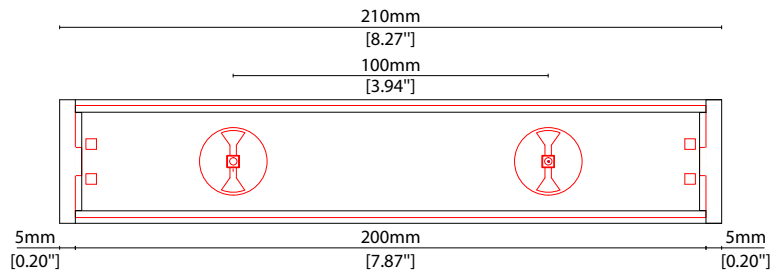


Length Code		Fixture Length ¹		LED Strip ²		End Cap Dimension ³		Wattage (W)	Output (lm)
Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)	Metric	Imperial(US)		3000K (Test Data)
m0210	i0008	210mm	8.27in	200mm	7.87in	10mm	0.39in	4.16	389
m0310	i0012	310mm	12.20in	300mm	11.81in	10mm	0.39in	6.24	583
m0410	i0016	410mm	16.14in	400mm	15.75in	10mm	0.39in	8.32	778
m0510	i0020	510mm	20.08in	500mm	19.69in	10mm	0.39in	10.40	972
m0610	i0024	610mm	24.02in	600mm	23.62in	10mm	0.39in	12.48	1167
m0710	i0028	710mm	27.95in	700mm	27.56in	10mm	0.39in	14.56	1361
m0810	i0032	810mm	31.89in	800mm	31.50in	10mm	0.39in	16.64	1556
m0910	i0036	910mm	35.83in	900mm	35.43in	10mm	0.39in	18.72	1750
m1010	i0040	1010mm	39.76in	1000mm	39.37in	10mm	0.39in	20.80	1945
m1110	i0044	1110mm	43.70in	1100mm	43.31in	10mm	0.39in	22.88	2139
m1210	i0048	1210mm	47.64in	1200mm	47.24in	10mm	0.39in	24.96	2334
m1310	i0048	1310mm	51.57in	1300mm	51.18in	10mm	0.39in	27.04	2528
m1410	i0048	1410mm	55.51in	1400mm	55.12in	10mm	0.39in	29.12	2723
m1510	i0048	1510mm	59.45in	1500mm	59.06in	10mm	0.39in	31.20	2917
m1610	i0048	1610mm	63.39in	1600mm	62.99in	10mm	0.39in	33.28	3112
m1710	i0048	1710mm	67.32in	1700mm	66.93in	10mm	0.39in	35.36	3306
m1810	i0048	1810mm	71.26in	1800mm	70.87in	10mm	0.39in	37.44	3501

¹ Actual total overall length of light fixture (LED strip + end caps + void/wire hole)

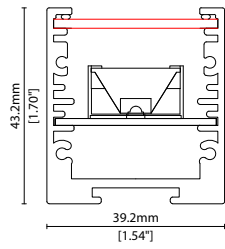
² Actual length of PCB strip

³ Actual length of 2x end caps

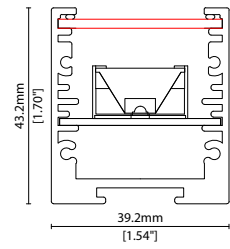


COVER OPTIONS

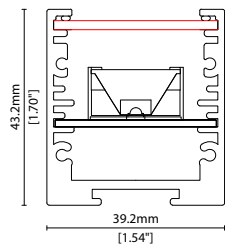
* Options are an integral part of the fixture ordering codes. Please refer to **Code Table** pages.



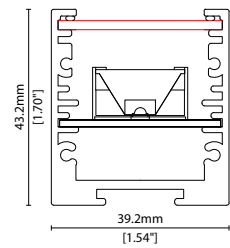
B 10 Clear cover 10° lens
W39.2/H43.2mm (W1.54/H1.70")



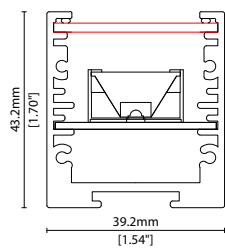
B 20 Clear cover 20° lens
W39.2/H43.2mm (W1.54/H1.70")



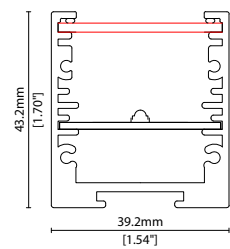
B 30 Clear cover 30° lens
W39.2/H43.2mm (W1.54/H1.70")



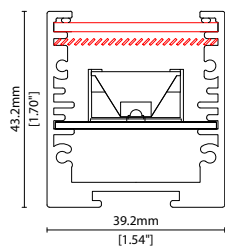
B 60 Clear cover 60° lens
W39.2/H43.2mm (W1.54/H1.70")



B SL Clear cover + Spread lens
W39.2/H43.2mm (W1.54/H1.70")



B XX Clear cover no lens
W39.2/H43.2mm (W1.54/H1.70")



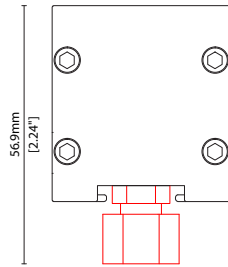
K Clear cover + Micro louvre
W39.2/H43.2mm (W1.54/H1.70")

CABLE EXIT OPTIONS

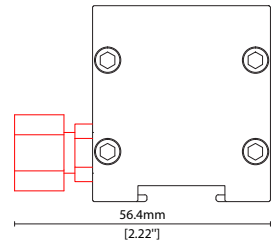
* Options are an integral part of the fixture ordering codes. Please refer to **Code Table** pages.



RC Rear cable exit

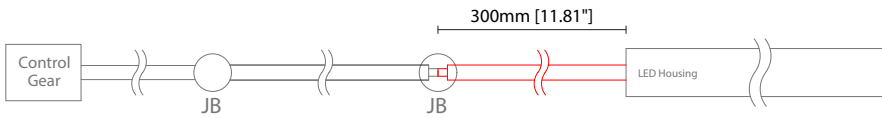


SC Side cable exit

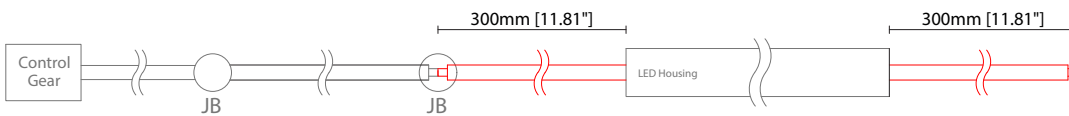


POWER FEED OPTIONS

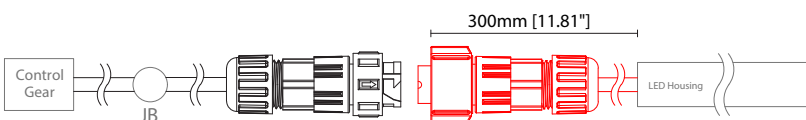
0300 S00B 300mm (11.81") Single Ø6.3mm sheath tail



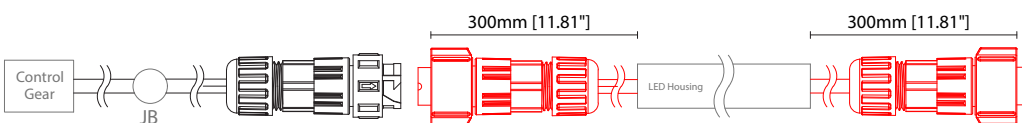
0300 D00B 300mm (11.81") Double Ø6.3mm sheath tail



0300 S67B 300mm (11.81") Single Ø6.3mm sheath IP67 connector

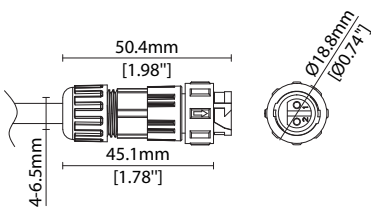


0300 D67B 300mm (11.81") Double Ø6.3mm sheath IP67 connector

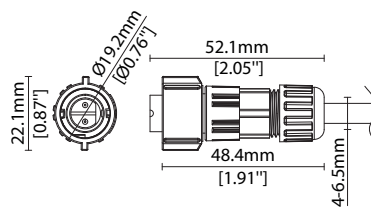


IP67 2 Pin Connector

Female connector
2 PIN (IP67)



Male connector
2 PIN (IP67)



Key

Control Gear Power supply, sub-controllers & control systems

JB Junction box / cable connection

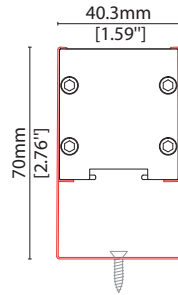
MOUNTING ACCESSORIES

Note: Accessories are to be ordered separately with corresponding code shown below.



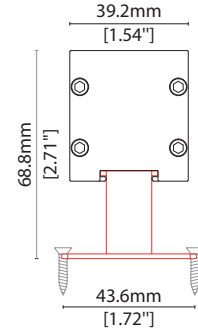
KKCP-12

Lock clip (allow 2 per metre/40in)
S/Steel finish



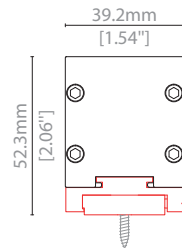
KKBK-02

Fixed bracket (allow 2 per metre/40in)
Steel finish
Pre-assembled for double tail



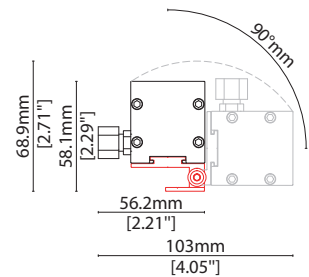
KKBK-09

Mounting plate
(allow 2 per metre/40in – factory fitted)
Silver anodised aluminium finish
Pre-assembled for double tail



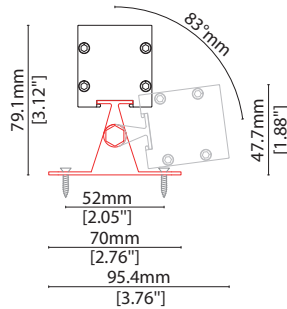
KKBK-23

Low adjustable bracket
(allow 2 per metre/40in)
Silver anodised aluminium finish
Pre-assembled for double tail



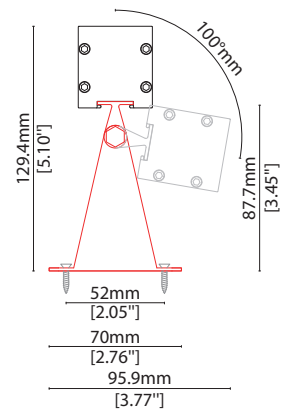
KKBK-16

Small adjustable bracket
(allow 2 per metre/40in)
Silver anodised aluminium finish
Pre-assembled for double tail



KKBK-17

Large adjustable bracket
(allow 2 per metre/40in)
Silver anodised aluminium finish
Pre-assembled for double tail





SEN CC 100 Accessories



EXTERIOR JUNCTION BOXES



KKJB-07

IP67 Slim J-Box
(including type A,B,C,D bushings)



KKJB-07R

Potting resin for IP67 Slim J-Box



SEN Driver/PSU Options



AVAILABLE PSU OPTIONS

Control Mode	PSU (Order Code)	Input Voltage AC	Output Voltage DC	Rated Output Current	Rated Power	Dim %	IP Rating
Switched	HLG-60H-C350A	90-305V	100V-200V	0.35A	70W	-	IP65
	HLG-60H-C700A	90-305V	50V-100V	0.7A	70W	-	IP65
	HLG-80H-C350A	90-305V	128V-257V	0.35A	90W	-	IP65
	HLG-80H-C700A	90-305V	64V-129V	0.7A	90W	-	IP65
	HLG-120H-C350A	90-305V	215-430V	0.35A	150W	-	IP65
	HLG-120H-C700A	90-305V	107V-215V	0.7A	150W	-	IP65
	HLG-185H-C700A	90-305V	143V-286V	0.7A	199W	-	IP65
0-10V (1-10V)	HLG-60H-C350B	90-305V	100V-200V	0.35A	70W	-	IP67
	HLG-60H-C700B	90-305V	50V-100V	0.7A	70W	-	IP67
	HLG-80H-C350B	90-305V	128V-257V	0.35A	90W	-	IP67
	HLG-80H-C700B	90-305V	64V-129V	0.7A	90W	-	IP67
	HLG-120H-C350B	90-305V	215-430V	0.35A	150W	-	IP67
	HLG-120H-C700B	90-305V	107V-215V	0.7A	150W	-	IP67
	HLG-185H-C700B	90-305V	143V-286V	0.7A	199W	-	IP67
DMX	POWERdrive 1060/A	120 - 277V	2V-57V	0.35A, 0.7A	100W	-	-
	POWERdrive 106/M	120 - 277V	2V-57V	0.35A, 0.7A	100W	-	-
	POWERdrive 106/S	120 - 277V	2V-57V	0.35A, 0.7A	100W	-	-
	POWERdrive 1061/M	120 - 277V	2V-57V	0.35A, 0.7A	100W	-	-
	POWERdrive 1061/S	120 - 277V	2V-57V	0.35A, 0.7A	100W	-	-
DALI	ELG-100-C350DA	180-295V	143-286V	0.35A	100W	-	IP67
	ELG-100-C700DA	180-295V	71-143V	0.7A	100W	-	IP67
	ELG-150-C700DA	180-295V	150-300V	0.7A	150W	-	IP67