

LED Light Engines

Note: Please match respective categories for a complete system solution



1. Light Engine Solutions

Manufacturer	Dimensions (mm)	LEDs	CCT (K)	CRI	Lumen Output @ 350mA (lm)	Lumen Output @ 700mA (lm)	Connection	Part Number	Category	
General Luminaire	Circular 50 Diameter	40	3000	>80	-	1265	Wago Poke-In	GLV92C50501/CW-SB40S30A	1	
			3500	>80	-	1265	Wago Poke-In	GLV92C50501/CW-SB40S35A		
			4000	>80	-	1340	Wago Poke-In	GLV92C50501/CW-SB40S40A		
		48	3000	>80	-	1520	Wago Poke-In	GLV92C50501/CW-SB48S30A		2
			3500	>80	-	1520	Wago Poke-In	GLV92C50501/CW-SB48S35A		
			4000	>80	-	1610	Wago Poke-In	GLV92C50501/CW-SB48S40A		
	Circular 63 Diameter	88	3000	>80	-	2790	Wago Poke-In	GLV92C63631/CW-SB88S30A	3	
			3500	>80	-	2790	Wago Poke-In	GLV92C63631/CW-SB88S35A		
			4000	>80	-	2950	Wago Poke-In	GLV92C63631/CW-SB88S40A		
	Linear 284 x 17	24	3000	>80	760	-	Wago Poke-In	GLV91RS4171/CW-SB24S30A		4
			3500	>80	760	-	Wago Poke-In	GLV91RS4171/CW-SB24S35A		
			4000	>80	805	-	Wago Poke-In	GLV91RS4171/CW-SB24S40A		
32		3000	>80	-	1015	Wago Poke-In	GLV91RS4171/CW-SB32S30A	5		
		3500	>80	-	1015	Wago Poke-In	GLV91RS4171/CW-SB32S35A			
		4000	>80	-	1075	Wago Poke-In	GLV91RS4171/CW-SB32S40A			
48	3000	>80	-	1520	Wago Poke-In	GLV91RS4172/CW-SB48S30A	6			
	3500	>80	-	1520	Wago Poke-In	GLV91RS4172/CW-SB48S35A				
	4000	>80	-	1610	Wago Poke-In	GLV91RS4172/CW-SB48S40A				
	3000	>80	-	1520	20cm Leads	GLV91RS4171/20-SB48S30A				
	3500	>80	-	1520	20cm Leads	GLV91RS4171/20-SB48S35A				
	4000	>80	-	1610	20cm Leads	GLV91RS4171/20-SB48S40A				

2. Power Solutions

Driver Module Solutions

Manufacturer	Region	Number of LEDs per light engine	Power (W)	V _{IN} (Vac)	V _{OUT} MAX (Vdc)	I _{OUT} (mA)	Dimming	Part Number	Category	
Inventronics	Worldwide	32 / 40 / 48	25	90-305	25	700	-	EUC-025S070PS	1 / 2 / 5 / 6	
		32 / 40 / 48	25	90-305	25	700	0-10V	EUC-025S070DS		
		48* / 88	38	90-305	50	700	-	EUC-042S070PS		3 / 6
		48* / 88	38	90-305	50	700	0-10V	EUC-042S070DS		
Mean Well	Worldwide	24	17	90-264	48	350	-	LPC-20-350	4	
		32 / 40 / 48	21	90-264	21	700	-	LPC-20-700	1 / 2 / 5 / 6	
Philips Lighting	North America	88	39	120-277	56	700	0-10V	913701213402	3 / 6	

* For use when using two 48 LED linear boards in series.

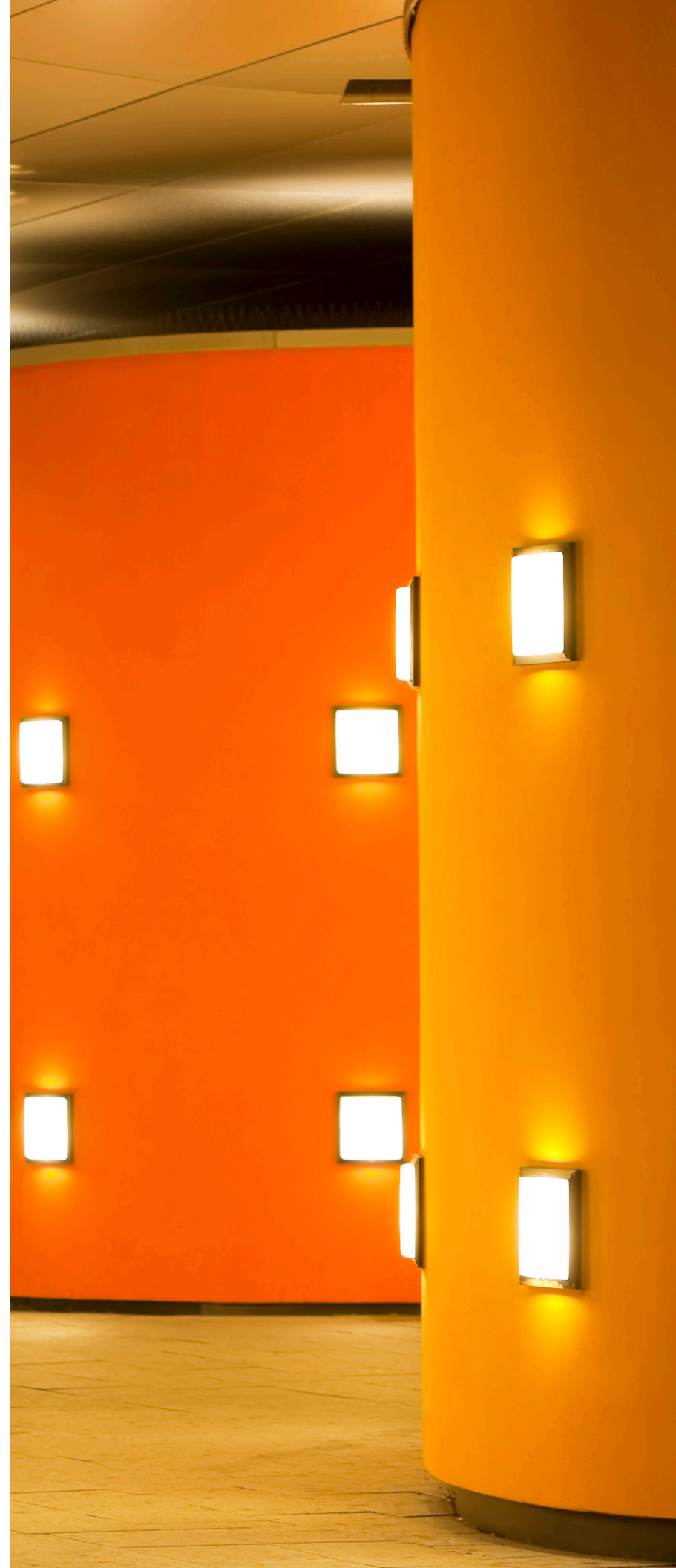
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LED Application Feature: Indoor Wall Pack Lights

Key Market Drivers



Efficiency

- Significant energy savings



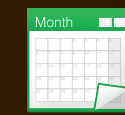
Lower Maintenance Costs

- Eliminates the need for repeated relamping



Quality of Light

- Excellent CRI and better object recognition
- Color consistency of LEDs will remain within ANSI spec
- Color over angle performance is best in class
- Industry leading reliability



Lifetime

- Between 30,000 and 50,000 hours



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LEDs & System Components



1. Mid Power LEDs

Manufacturer	Color	Package	Type*	Nominal CCT (K)	Min Flux (lumens)	Typ Flux (lumens)	Test Forward Current (mA)	Maximum Ratings (mA)	Typical Efficacy (lm/W)	Part Number
LG Innotek	Cool-White	6030	2C2C	ANSI 6500K	68	79	200	240	126	LEMWS68T80FZxxxx
				ANSI 5700K	68	78	200	240	124	LEMWS68T80GZxxxx
				ANSI 5000K	68	77	200	240	124	LEMWS68T80HZxxxx
		5630	1C1C	ANSI 6500K	33	36	100	150	115	LEMWS59Q80FZxxxx
				ANSI 5700K	33	36	100	150	118	LEMWS59Q80GZxxxx
				ANSI 5000K	33	36	100	150	115	LEMWS59Q80HZxxxx
	5152	HE	ANSI 6500K	56	61	150	150	132	LEMWS51R80FZxxxx	
			ANSI 5700K	56	61	151	150	132	LEMWS51R80GZxxxx	
			ANSI 5000K	55	60	152	150	130	LEMWS51R80HZxxxx	
	Neutral-White	6030	2C2C	ANSI 4000K	67	75	200	240	120	LEMWS68T80JZxxxx
				ANSI 4000K	33	36	100	150	115	LEMWS59Q80JZxxxx
				ANSI 4000K	54	59	153	150	128	LEMWS51R80JZxxxx
6030		2C2C	ANSI 3500K	67	75	200	240	120	LEMWS68T80KZxxxx	
			ANSI 3000K	64	70	200	240	112	LEMWS68T80LZxxxx	
			ANSI 2700K	62	68	200	240	107	LEMWS68T80MZxxxx	
Warm-White	5630	1C1C	ANSI 3500K	30	35	100	150	112	LEMWS59Q80KZxxxx	
			ANSI 3000K	29	33	100	150	108	LEMWS59Q80LZxxxx	
			ANSI 2700K	29	33	100	150	108	LEMWS59Q80MZxxxx	
	5152	HE	ANSI 3500K	53	58	154	150	128	LEMWS51R80KZxxxx	
			ANSI 3000K	50	55	155	150	120	LEMWS51R80LZxxxx	
			ANSI 2700K	48	53	156	150	115	LEMWS51R80MZxxxx	
Philips Lumileds	Neutral-White	3535	-	ANSI 4000	30	32	100	150	101	MXM8-PW30
				ANSI 3000	30	32	100	150	101	MXM8-PW40
				ANSI 3500	30	32	100	150	101	MXM8-PW35

* Type: 1C1C: 1 Cup, 1 Chip / 2C2C: 2 Cup, 2 Chip / HE: High Efficiency

2. Power Solutions

Driver Module Solutions

Manufacturer	Region	Power (W)	V _{IN} (Vac)	V _{OUT} (Vdc)	I _{OUT} (mA)	Dimming	Part Number
Harvard Engineering	Europe, Middle-East, Africa, Asia	30	198-265	15-43	700	DALI	CL700D-240-C
		33	198-265	9-48	700	-	CL700S-240-C
Inventronics	Worldwide	26	90-305	38-75	350	0-10V	EUC-026S035DS
		26	90-305	19-37	700	0-10V	EUC-026S070DS
		39	90-305	28-56	700	0-10V	EUC-042S070DS
		52	90-305	38-75	700	0-10V	EUC-052S070DT
Mean Well	Worldwide	16.8	90-264	9-48	350	-	LPC-20-350
		21	90-264	9-30	700	-	LPC-20-700
Philips Lighting	Europe, Middle-East, Africa, Asia	17	230	5.6-24.6	700	-	913700615982
		20	120	2.8-28	700	-	LED120A0700C28FO
	North America	39	120-277	20-56	200-700	0-10V	913701213402
ROAL Electronics	Worldwide	24.5	120-277	25-35	700	0-10V	RSLD035-10
		34	120-277	35-49	700	0-10V	RSLD035-14

IC Solutions

Manufacturer	V _{IN} (Vac)	V _{OUT} typ (Vdc)	I _{OUT} typ (mA)	Part Number
Fairchild	Universal	30	-	FL7730MY_F116
Marvell	85 - 277	100	1200	88EM8082
NXP	70 - 276	30	1000	SSL1750

3. Connector Solutions

TE Connectivity inverted thru board connector system

Description	Part Number
Wire-to-wire tab contact	2106091-1
Plug assembly (for header, recept., tab)	2058943-1
Wire-to-board right angle header	2106056