

LED Light Modules



1. LED Light Modules

Manufacturer	Region	Description	Initial Lumens (lm)	CRI	CCT (K)	System Input Power (W)	B50 L70 Tc Max 65°C	Part Number
Philips Lighting	Worldwide	Fortimo LED HBM 4000lm 641	4000	60	4100	45	50000	929000636503
		Fortimo LED HBM 4000lm 757	4000	70	5700	35	50000	929000636603
		Fortimo LED HBM 6000lm 641	6000	60	4100	68	50000	929000636703
		Fortimo LED HBM 6000lm 757	6000	70	5700	52	50000	929000636803
		Fortimo LED HBM 4000lm 740	4000	70	4000	40	50000	929000665003
		Fortimo LED HBM 6000lm 740	6000	70	4000	68	50000	929000665103

2. Power Solutions

Driver Module Solutions

Manufacturer	Region	Power (W)	V _{IN} (Vac)	V _{OUT} Max (Vdc)	I _{OUT} (mA)	Dimming	Part Number
Philips Lighting	Worldwide	75	120 - 277	80 - 152	350 - 700	✓	929000702302
		150	120 - 277	125 - 280	350 - 700	✓	929000702202

3. Connector Solutions

Manufacturer	Region	Length (mm)	Description	Part Number
Philips Lighting	Worldwide	600	Fortimo LED HBM Cable	929000659803

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LED Application Feature:

Low Bay 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 in application (LUXEON LEDs are tested and measured at 85°)
- Color consistency of LUXEON Rebel ES LEDs will remain within ANSI spec
- Color over angle performance is best in class
- Industry leading reliability



Environmentally Friendly

- Mercury free
- Limited life cycle impact
- Low carbon footprint

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LEDs & System Components



1. High Power LUXEON® LEDs

Manufacturer	Product Family	Nominal CCT (K)	Minimum CRI	Typical CRI	Min Flux (lumens)	Typ Flux (lumens)	Test Forward Current (mA)	Typical Efficacy (lm/W)	Part Number
Philips Lumileds	LUXEON Rebel ES	ANSI 4000	80	85	170	190	700	95	LXW8-PW40
		ANSI 4000	70	75	180	205	700	98	LXH7-PW40
	LUXEON Rebel Illumination Portfolio	ANSI 4000	80	85	75	85	350	100	LXM3-PW51
		ANSI 4000	70	75	90	100	350	95	LXM7-PW40
	LUXEON Rebel General Purpose White	3500 - 4500	-	70	100	105	350	100	LXML-PWN1-0100

2. Optical Solutions

Manufacturer	Description	Beam Angle (°)	Diameter (mm)	Part Number
Carlo-Optics	20mm Bubble Optic	120	19.7	10403

3. Power Solutions

Driver Module Solutions

Manufacturer	Region	Power (W)	V _{IN} (Vac)	V _{OUT} (Vdc)	I _{OUT} (mA)	0 - 10 V Dimming	Part Number
Harvard Engineering	Worldwide	2 x 33	100 - 277	12 - 48	2 x 700		CLQ2700S-UNI-C
Inventronics	Worldwide	50	90 - 305	24 - 72	700	✓	EUC-050S070DT
Mean Well	Worldwide	58.8	90 - 264	9 - 42	1400		LPC-60-1400
Philips Lighting	North America	75	120 - 277	60 - 140	530		LEDINTA700C140F30
ROAL Electronics	Worldwide	29.4	120 - 277	30 - 42	700	✓	RSLD035-12

IC Solutions

Manufacturer	V _{IN} (Vac)	V _{OUT} typ (Vdc)	I _{OUT} typ (mA)	Part Number
Diodes Inc.	8 - 48	48	1000	AP8802
	6.5 - 60	60	External	ZXLD1370
	6.5 - 60	60	1500	ZXLD1374
Marvell	85 - 277	100	1200	88EM8081
NXP	70 - 305	48	3125	SSL4101T

4. Lighting Controls

Wireless Communications

Manufacturer	Description	Part Number
Synapse Wireless	SNAP Lighting Cloud Appliance (includes 1st year of SNAP Lighting Cloud Service)	LP400-001
	SNAP DIM-10 100-240 V for dimming and full on/off	LP001-001
	SNAP DIM-10 100-277 V for dimming and full on/off	LP002-001
	SNAP LightSense to detect motion & ambient light	LP201-002

5. Connector Solutions

TE Connectivity inverted thru board connector system

Description	Part Number
Wire-to-wire tab contact	2106091-1
Plug assembly	2058943-1

TE Connectivity sealed connector system

Description	Part Number
Wire-to-board right angle header	2106056
Wire-to-board vertical header	2106053
Wire-to-wire receptacle contact	2106123
Wire-to-wire tab contact	2106124
Plug assembly	2106135

AVX 9159 connector system

Description	Part Number
Wired plug with latch	11-9159-002-101-116
Standard socket	20-9159-002-101-116
Standard plug	10-9159-002-101-116
Top loading socket	22-9159-002-101-116
Shorting socket	58-9159-002-000-006

LED Light Engines



1. Light Engine Solutions

Manufacturer	Diameter (mm)	LEDs	Lumen Output @ 350mA (lm)	Lumen Output @ 700mA (lm)	CCT (K)	CRI	Connection	Part Number
General Luminaire	95	18	1880	3350	5500	60	Poke-In	GLV92C95951/CN-LG18W00T
	95	18	1800	3210	4100	60	Poke-In	GLV92C95951/CN-LG18D40T
	120	24	2480	4460	5500	60	Poke-In	GLV92CC0C01/CN-LG24W00T
	120	24	2370	4270	4100	60	Poke-In	GLV92CC0C01/CN-LG24D40T

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)	0 - 10 V Dimming	Part Number
Inventronics	Worldwide	18	25	90 - 305	72	350	✓	EUC-025S035DS
		18	50	90 - 305	72	700	✓	EUC-050S070DT
		24	40	90 - 305	114	350	✓	EUC-040S035DS
		24	75	90 - 305	108	700	✓	EUC-075S070DT
Philips Lighting	North America	18	40	120 - 277	77	350	✓	LEDINTA0520C80DB
		18	75	120 - 277	105	700	✓	LEDINTA700C105DHO
		24	50	120 - 277	140	350		LEDINTA700C140F30
		24	100	120 - 277	140	700		LEDINTA700C140F30
	Europe, Middle-East, Africa, Asia	24	75	220 - 240	140	350	✓	913701215002