

LED Light Modules

1. LED Light Modules

Manufacturer	Description	Initial Lumens	CRI	CCT (K)	System Input Power (W)	B50 L70 Tc Max 75°C	Part Number
Philips Lighting	Fortimo HBM 4000lm 740	4000	70	4000	45	50000	929000636503
	Fortimo HBM 4000lm 757	4000	70	5700	35	50000	929000636603
	Fortimo HBM 6000lm 740	6000	70	4000	68	50000	929000636703
	Fortimo HBM 6000lm 757	6000	70	5700	52	50000	929000636803

2. Power Solutions

Driver Module Solutions

Manufacturer	Region	Power (W)	V _{IN} (Vac)	V _{OUT} (Vdc)	I _{OUT} (mA)	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	Length (mm)	Description	Part Number
Philips Lighting	600	Fortimo LED HBM Cable	929000659803

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LED Application Feature: Streetlights

Key Market Drivers



Reduced Energy Consumption

- Lower energy and running costs



Decreased Maintenance Costs

- Longer lifetime eliminates the need for repeated relamping



Payback Period

- < 3 year payback period



Lighting Controls

- Remotely dim lights depending on time of day and traffic volume
- Lower energy costs
- Monitor fixture performance



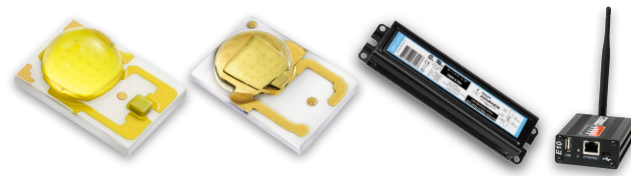
Quality of Light

- Color rendering (>80 CRI)
- Color in application (LUXEON LEDs are tested and measured at 85°C)
- Color consistency of LUXEON Rebel ES LEDs will remain within ANSI spec
- Color over angle performance is best in class
- Industry leading reliability and color consistency over time

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LEDs & System Components



1. High Power LUXEON® LEDs

Manufacturer	Product Family	Nominal CCT	CCT Range	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	-	4500K - 10000K	60	70	200	235	700	112	LXML-PWC2
		-	3500K - 4500K	60	65	200	230	700	110	LXML-PWN2
		ANSI 4000K	-	80	85	180	190	700	95	LXW8-PW40
		ANSI 5000K	-	80	85	180	200	700	95	LXW8-PW50
		ANSI 4000K	-	70	75	180	205	700	100	LXH7-PW40
	LUXEON Rebel General Purpose	-	4500K - 10000K	-	70	100	105	350	95	LXML-PWC1-0100
		-	3500K - 4500K	-	70	100	105	350	95	LXML-PWN1-0100

2. Optical Solutions

Manufacturer	Description	Diameter (mm)	Part Number
Fraen	360° Side Emitting Lens	11	F360L-3-RE-0S*
LEDIL	19.6 x 15.5 mm Transparent Lens with Adhesive Backing	19.6 x 15.5	CA11416_Strada-T-DN-RE-tape*
	19.6 x 15.5 mm Transparent Lens with Adhesive Backing	19.6 x 15.5	CA11426_Strada-T-DW-RE-tape*
RENA	MR5 Side Emitting Lens	14.5	85618001

* Compatible with LUXEON Rebel ES

3. Power Solutions

Driver Module Solutions

Manufacturer	Region	Power (W)	V _{IN} (Vac)	V _{OUT} (Vdc)	I _{OUT} (mA)	0 - 10 V	Part Number
Inventronics	Worldwide	75	90-305	27-54	1400	✓	EUC-075S140DT
		76	90-305	24	3170		EUV-076S024ST
		76	90-305	48	1580		EUV-076S048ST
		96	90-305	48	2000		EUV-096S048ST
Mean Well	Worldwide	151.2	110-305	24	6300		HLG-150H-24A
		153.6	110-305	48	3200		HLG-150H-48A
Philips Lighting	Worldwide	100	120-277	24	4160		LEDINTA0024V41FO
		75	120-277	60-140	530		LEDINTA700C140F3O
		100	120-277	60-140	700		LEDINTA700C140F3O
	North America	150	120-277	120-425	350		LEDINTA0350C425FO
		150	120-277	60-210	700		LEDINTA0700C210FO
		150	120-277	120-425	350	✓	LEDINTA0350C425DO
		150	120-277	120-280	530	✓	LEDINTA0530C280DO
	Europe, Middle-East, Africa, Asia	150	120-277	60-210	700	✓	LEDINTA0700C210DO
		150	120-277	120-425	350		913710850002
		150	120-277	60-210	700		913710859002

IC Solutions

Manufacturer	V _{IN} (Vdc)	V _{OUT} typ (Vdc)	I _{OUT} typ (mA)	Part Number
Diodes Inc.	6-54	60	550	ZXLD1356
	6-60	60	1000	ZXLD1366
	8-48	48	1000	AP8802
	8-60	60	1000	AP8802H
NXP	85-305*	48	3100	SSL4101T

*V_{IN} (Vac)

4. Lighting Control Solutions

Wireless Communications

Manufacturer	Description	Part Number
Synapse Wireless	SNAP Lighting Site Controller (includes 1st year of SNAP Lighting Cloud Service)	LP400-001
	Annual fee for SNAP Lighting Cloud Service to remotely control or monitor up to 25 SNAP Lighting nodes	LP480-025
	Annual fee for SNAP Lighting Cloud Service to remotely control or monitor up to 100 SNAP Lighting nodes	LP480-100
	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

Outdoor Control Solutions

Manufacturer	Description	Part Number
Philips Lighting	Philips Dynadimmer 0 - 10V (North America)	LLC7230
	Philips Dynadimmer 1- 10 V SELV (EMEA & Asia)	LLC7220
	Philips Dynadimmer USB PC Cable (Global)	LCC7210