



CAPELLA

SERIES

Product Overview and Technical information >>



>>

LUMINAIRE > CPLM-TH3F
POLE > ATR85C2



Some luminaires of this series are IDA (International Dark-Sky Association) approved.



CPLM



CPLS

CAPELLA

SERIES

Inspired by movement / Inspired by the splendor of movement, the Capella is one of the most adaptable luminaires on the market. With its graceful curves and sweeping lines it contributes to the beautification of any environment and enhances the visual impact of any project. >>





ADAPTABILITY

The Capella comes in two sizes to maximize its potential and appeal. The smaller version is perfect for lighting alleyways, pathways, sidewalks and small roadways while the larger version is ideal for city streets and boulevards. The two complement each other and can be used in tandem to add a measure of grace and fluidity to any area, big or small.

PERFORMANCE

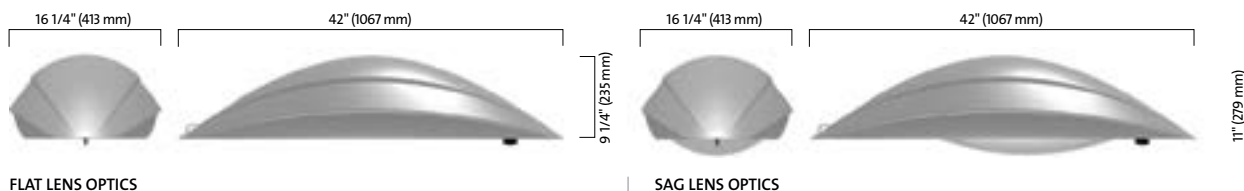
Photometric performance at its finest. With the Capella you get exceptional light distribution and spread as well as efficiency and durability. Full cut-off optics protect the night sky, energy efficiency protects the environment, and high-quality aluminum construction protects Capella's beauty for years to come. Durable, reliable, with easy toolfree maintenance, the Capella is as tough and practical as it is beautiful. >>

BENEFITS

- Pure lines with high visual appeal.
- Exceptional durability and reliability.
- Simple, toolfree maintenance.
- Superior photometric performance.
- Respectful of the environment and the night sky.

LUMINAIRES

Conform to the **UL 1598** and **CSA C22.2 No. 250.0-08** standards



CPLM

EPA: 0,83 sq. ft.
Weight: 55 lbs (25 kg)



LAMPS / LED

LAMP CODE DEFINITION / 40W 49LED 4K

- Lamp wattage
- Number of diodes (LED)
- Color temperature

LED = Philips Lumileds Rebel ES, CRI = 70, CCT = 4000K (+/- 350K)

LED rated life = 100,000 hrs¹ - Driver rated life = 50,000 hrs

LUMINAIRE	LAMP	TYPICAL DELIVERED LUMENS ²		TYPICAL LAMP WATTAGE (W)	TYPICAL SYSTEM WATTAGE ³ (W)	TYPICAL CURRENT @ 120 V (A)	TYPICAL CURRENT @ 240 V (A)	TYPICAL CURRENT @ 277 V (A)	LED CURRENT (mA)	HPS EQUIVALENT ⁴	LUMINAIRE EFFICACY RATING (LM/W)	
		FLAT LENS	SAG LENS								FLAT LENS	SAG LENS
CPLM	40W49LED4K-ES	4025	4070	42	47	0.39	0.20	0.17	285	100 W	86	87
	65W49LED4K-ES	5385	5440	65	72	0.60	0.30	0.26	428	100 W	75	76
	90W49LED4K-ES	6450	6515	90	102	0.85	0.43	0.37	571	150 W	63	64

¹ L70 = 100,000 hrs (at ambient temperature = 25°C and forward current = 700 mA).

² May vary depending on the optical distribution used.

³ System wattage includes the lamp and the LED driver.

⁴ Compared to Capella (equivalence should always be confirmed by a photometric layout).

WATTAGE	LE2F / LE2S LE3F / LE3S LE4F / LE4S LE5F / LE5S
40W49LED4K-ES	✓
65W49LED4K-ES	✓
90W49LED4K-ES	✓

✓ : Available N/A: Not available

VOLTAGE

120 / 208 / 240 / 277 / 347¹ / 480¹

¹ Comes with a step-down transformer with 40W49LED4K-ES and 65W49LED4K-ES.

OPTICAL SYSTEMS / LED



Flat lens

IP66 rated optical system, composed of individual pre-oriented lens to achieve desired distribution, assembled with a tempered-glass flat lens permanently sealed onto the lower part of the heat sink.

LE2F: Asymmetrical
LE3F: Asymmetrical
LE4F: Asymmetrical
LE5F: Symmetrical (square)
> House shield available in option (HS)



Sag lens

IP66 rated optical system, composed of individual pre-oriented lens to achieve desired distribution, assembled with a tempered-glass sag lens permanently sealed onto the lower part of the heat sink.

LE2S: Asymmetrical
LE3S: Asymmetrical
LE4S: Asymmetrical
LE5S: Symmetrical (square)
> House shield available in option (HS)

* Photometry available on Philips Lumec web site www.philips.com/lumec.

LAMPS / HID

OPTICAL SYSTEMS / HID

(Lamps not included)

WATTAGE	TH2 / TH3	TH2F / TH3F
50 MH, medium	✓	✓
70 MH, medium	✓	✓
100 MH, medium	✓	✓
150 MH, medium	✓	✓
200 MH, mogul	✓ ³	✓ ³
320 MH, mogul	✓	✓ ²
175 PSMH, mogul	✓	N/A
250 PSMH, mogul	✓	✓ ²
400 PSMH, mogul	✓	N/A
35 HPS, mogul	✓	✓
50 HPS, mogul	✓	✓ ¹
70 HPS, mogul	✓	✓ ¹
100 HPS, mogul	✓	✓ ¹
150 HPS, mogul	✓	✓ ¹
200 HPS, mogul	✓	✓
250 HPS, mogul	✓	✓
400 HPS, mogul	✓	✓

✓ : Available N/A : Not available

¹ Use only with ED17 medium base lamp.

² Use only with short version LCL 5 3/4" of T15 mogul base lamp.

³ Use only with short version LCL 5" of T15 mogul base lamp.



FLAT LENS optics

Sealed optical chamber consisting of an hydroformed reflector permanently sealed on a flat tempered-glass lens.

TH2F: Full cut-off (II)
TH3F: Full cut-off (III)



SAG LENS optics

Sealed optical chamber consisting of an hydroformed reflector permanently sealed on a sagged tempered-glass lens.

TH2: Cut-off (II)
TH3: Cut-off (III)

* Photometry available on Philips Lumec web site www.philips.com/lumec.

VOLTAGE

HID: 120 / 208 / 240 / 277 / 347 / 480

LUMINAIRE OPTIONS

HS House shield

PH8 Quarter-turn photoelectric cell

SAR Short arm for round pole
(E.P.A.: 0.25 sq. ft. / Weight: 2.6 lbs (1.2 kg))

Philips Lumec reserves the right to substitute materials or change the manufacturing process of its products without prior notification.
For the latest updates go to www.philips.com/lumec.

PHILIPS
LUMEC

FINISHES

(Consult Philips Lumec's Color Chart for complete specifications)

The specially formulated **Lumital** powder coat finish is available in a range of many standard colors.

ORDERING SAMPLE

PRODUCT	LAMP	OPTICAL SYSTEM	VOLTAGE	OPTIONS	FINISH
CPLM	250 HPS	TH2F	120	HS	NP

MAINTENANCE



ACCESS TO INTERNAL COMPONENT

The luminaire opens by simply turning the compression twist lock located underneath the luminaire at the front end. The hood can then be pivoted along a incorporated hinge found at the back of the luminaire. When opened, a safety cord holds in place the bottom part of the luminaire.



ACCESS TO LAMP

A simple quarter-turn of the sealed shutter provides easy access to the lamp. Quick-disconnect terminals between the lamp and the ballast tray ensure safe and easy lamp replacement.

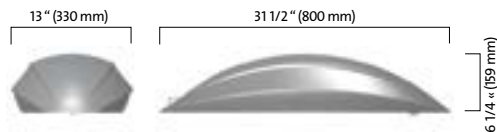


ACCESS TO BALLAST

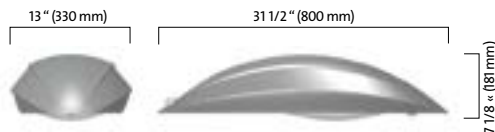
The toolfree drop-in unitized ballast tray is slipped into the ballast box. Here again, the use of quick-disconnect terminals ensures safe and easy ballast maintenance.

LUMINAIRES

Conform to the **UL 1598** and **CSA C22.2 No. 250.0-08** standards



FLAT LENS OPTICS



SAG LENS OPTICS

CPLS

EPA: 0,47 sq. ft.
Weight: 30 lbs (13.6 kg)

LAMPS / LED

LAMP CODE DEFINITION / 40W 49LED 4K

Lamp wattage
Number of diodes (LED)
Color temperature

LED = Philips Lumileds Rebel ES, CRI = 70, CCT = 4000K (+/- 350K)

LED rated life = 100,000 hrs¹ - Driver rated life = 50,000 hrs

LUMINAIRE	LAMP	TYPICAL DELIVERED LUMENS ²		TYPICAL LAMP WATTAGE (W)	TYPICAL SYSTEM WATTAGE ³ (W)	TYPICAL CURRENT @ 120 V (A)	TYPICAL CURRENT @ 240 V (A)	TYPICAL CURRENT @ 277 V (A)	LED CURRENT (mA)	HPS EQUIVALENT ⁴	LUMINAIRE EFFICACY RATING (LM/W)	
		FLAT LENS	SAG LENS								FLAT LENS	SAG LENS
CPLS	40W30LED4K-ES	2965	3000	40	45	0.38	0.19	0.16	400	70 W	66	67
	60W30LED4K-ES	4025	4070	60	68	0.57	0.28	0.25	600	100 W	59	60

¹ L70 = 100,000 hrs (at ambient temperature = 25°C and forward current = 700 mA).

² May vary depending on the optical distribution used.

³ System wattage includes the lamp and the LED driver.

⁴ Compared to Capella (equivalence should always be confirmed by a photometric layout).

WATTAGE	LE2F / LE2S LE3F / LE3S LE4F / LE4S LE5F / LE5S
40W30LED4K-ES	✓
60W30LED4K-ES	✓

VOLTAGE

✓ : Available N/A: Not available

120 / 208 / 240 / 277

OPTICAL SYSTEMS / LED



Flat lens

IP66 rated optical system, composed of individual pre-oriented lens to achieve desired distribution, assembled with a tempered-glass flat lens permanently sealed onto the lower part of the heat sink.

LE2F: Asymmetrical
LE3F: Asymmetrical
LE4F: Asymmetrical
LE5F: Symmetrical (square)
> House shield available in option (HS)



Sag lens

IP66 rated optical system, composed of individual pre-oriented lens to achieve desired distribution, assembled with a tempered-glass sag lens permanently sealed onto the lower part of the heat sink.

LE2S: Asymmetrical
LE3S: Asymmetrical
LE4S: Asymmetrical
LE5S: Symmetrical (square)
> House shield available in option (HS)

* Photometry available on Philips Lumec web site www.philips.com/lumec.

LAMPS / HID

WATTAGE	2H	2HF
50 MH, medium	✓	✓
70 MH, medium	✓	✓
100 MH, medium	✓	✓
150 MH, medium	✓	✓
175 MH, medium	✓	✓
35 HPS, medium	✓	✓
50 HPS, medium	✓	✓
70 HPS, medium	✓	✓
100 HPS, medium	✓	✓
150 HPS, medium	✓	✓

✓ : Available N/A: Not available

OPTICAL SYSTEMS / HID

(Lampes non incluses)



FLAT LENS optics

Sealed optical chamber consisting of an hydroformed reflector permanently sealed on a flat tempered-glass lens.

2HF: Full cut-off (II)



Optique / LENTILLE EN SAILLIE

Bloc optique scellé composé d'un réflecteur hydroformé scellé de façon permanente sur une lentille en saillie en verre trempé.

2H: Défilé (II)

* Photometry available on Philips Lumec web site www.philips.com/lumec.

VOLTAGE

HID : 120 / 208 / 240 / 277 / 347 / 480

LUMINAIRE OPTIONS

- HS** House shield
PH Photoelectric cell
-

FINISHES

(Consult Philips Lumec's Color Chart for complete specifications)

The specially formulated **Lumital** powder coat finish is available in a range of many standard colors.

ORDERING SAMPLE

PRODUCT	LAMP	OPTICAL SYSTEM	VOLTAGE	OPTIONS	FINISH
CPLS	150 HPS	2HF	120	PH7	NP

MAINTENANCE



ACCESS TO INTERNAL COMPONENT

The luminaire opens by simply turning the compression twist lock located underneath the luminaire at the front end. The hood can then be pivoted along a incorporated hinge found at the back of the luminaire. When opened, a safety cord holds in place the bottom part of the luminaire.



ACCESS TO LAMP

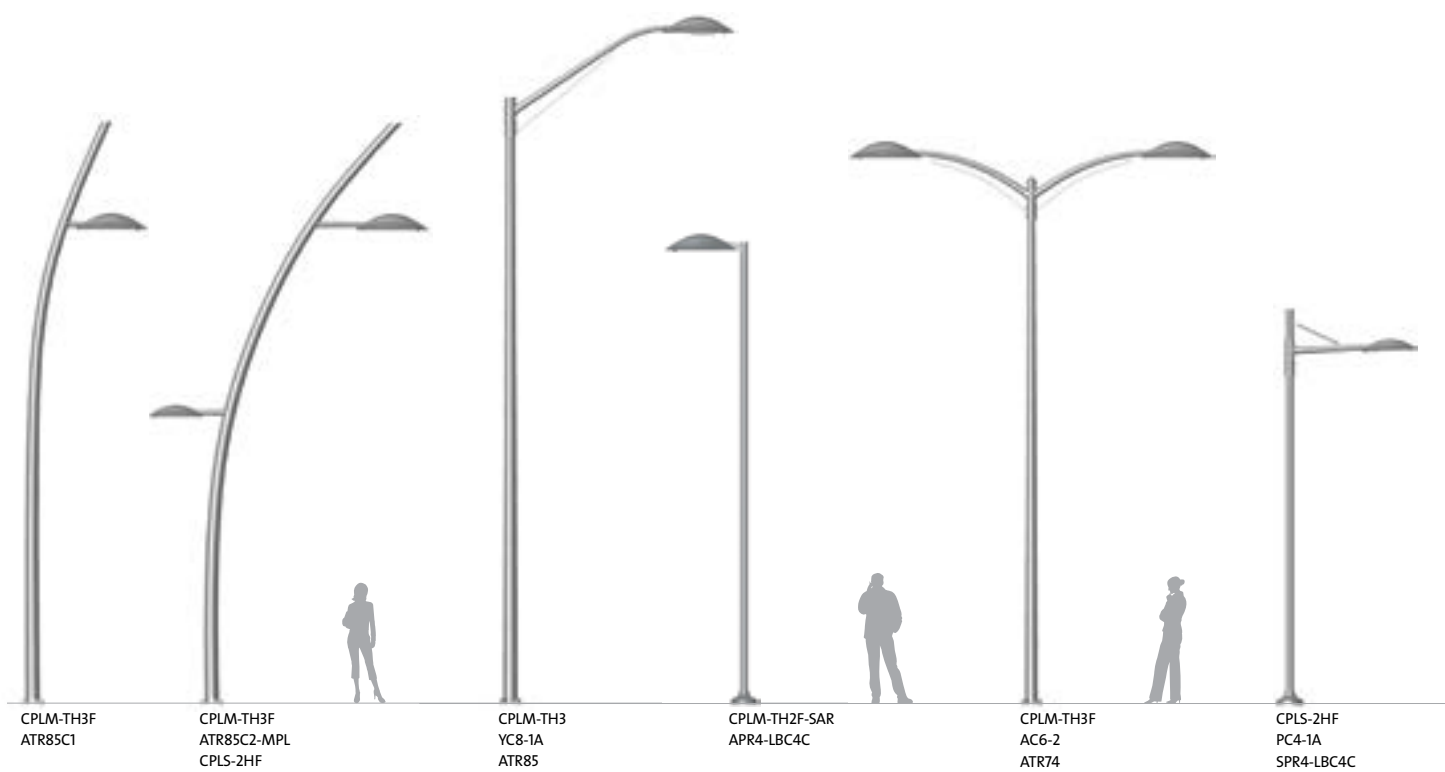
A simple quarter-turn of the sealed shutter provides easy access to the lamp. Quick-disconnect terminals between the lamp and the ballast tray ensure safe and easy lamp replacement.



ACCESS TO BALLAST

The toolfree drop-in unitized ballast tray is slipped into the ballast box. Here again, the use of quick-disconnect terminals ensures safe and easy ballast maintenance.

ASSEMBLY EXAMPLES





>>

LUMINAIRE > CPLM-TH3F
POLE > ATR85C2-MF
MID-POLE LUMINAIRE > CPLS-2HF



www.philips.com/lumec

PHILIPS LUMEC HEAD OFFICE

640, Curé-Boivin Boulevard
Boisbriand, Québec
Canada J7G 2A7

T : 450.430.7040

F : 450.430.1453

ONTARIO OFFICE

189 Bullock Drive
Markham, Ontario
Canada L3P 1W4

T : 416.223.7255

F : 866.971.2825

For the details of our different agents and representatives, please consult the **Contact us** section of our Website.

© 2012 Philips Group.

All rights reserved. We reserve the right to change details of design, materials and finishes.



/ Some luminaires use fluorescent or high intensity discharge (HID) lamps that contain small amounts of mercury. Such lamps are labeled "Contains Mercury" and/or with the symbol "Hg." Lamps that contain mercury must be disposed of in accordance with local requirements. Information regarding lamp recycling and disposal can be found at www.lamprecycle.org



The choice to not print paper brochures anymore but to make them available on-line is an example of the positive environmental actions that Philips Lumec has decided to undertake. This not only considerably reduces our paper consumption but also guarantees the exactitude of the information our clients receive.