

# The Passive Revolution

FrigoDynamics® Passive 2-Phase HX Solutions  
for OSRAM PrevaLED/Soleriq® Light Engines



zero noise level

no lifetime issues

no CO<sub>2</sub> emission

cools all  
lumen values

lighter than other  
passive solutions

compact

performs in any  
orientation



passive convection  
natural airflow

**OSRAM**  
Opto Semiconductors

 **FrigoDynamics®**  
thermal solutions

FrigoDynamics GmbH  
Bahnhofstr. 16  
D-85570 Markt Schwaben  
[www.frigodynamics.com](http://www.frigodynamics.com)

# FrigoDynamics® Passive 2-Phase HX Solutions for OSRAM PrevaLED/Soleriq® Core Light Engines



## Der SC 2-Phasen Wärmetauscher

besteht durch ein besonderes, patentiertes Design, nützt den Kamineffekt aus und maximiert dadurch die Kühlleistung. Die kompakte Auslegung ist ideal für Track/Spot Light Applikationen.

Die Lösung arbeitet in alle Richtungen.

## The SC 2-Phase HX

has a unique, patented design utilizing the chimney effect, thus maximizing cooling performance. The compact shape allows it to fit in typical cylindrical track/spot light type applications. Performs in any orientation.

## Échangeur de chaleur pour le 2-phase SC

une conception spéciale, brevetée, bénéficieront de l'effet de cheminée et cela maximise la performance de refroidissement. Le design compact est idéal pour les applications légères de piste/spot.

La solution fonctionne dans toutes les directions.

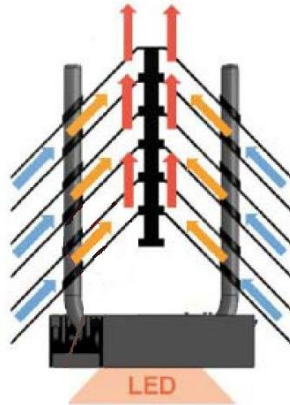
## El SC Intercambiador de calor por cambio de fase

tiene un diseño único y patentado utilizando el efecto chimenea, lo que maximiza la refrigeración de rendimiento. La forma compacta permite encajar en pista/spot cilíndrica en aplicaciones típicas de luminarias. Funciona en cualquier dirección.

## Lo scambiatore di calore SC 2 fasi

un design speciale, brevettato, potranno beneficiare l'effetto camino e questo massimizza le prestazioni di raffreddamento. Il design compatto è ideale per applicazioni leggera traccia/spot.

La soluzione funziona in tutte le direzioni.



The only high power cooling solution that really works much longer than the product it cools.

FrigoDynamics® thermal solutions			2-Phase HX			SC HPK-Fin™ 110			SC HPK-Fin™ 150		
Dimensions			Ø100 H ~110			Ø100 H ~150					
Ts < 70°C	Ts < 85°C	Tambient	25°C	35°C	40°C	25°C	35°C	40°C			
LEP-2100-840-C	31W (Ts < 70°C)										
LEP-2100-830-C	34W (Ts < 70°C)										
LEP-3000-840-HD-C	39W (Ts < 70°C)										
Soleriq E30 2245lm	~ 21W (Ts < 85°C)										
Soleriq E30 2640lm	~ 26W (Ts < 85°C)										
Soleriq E30 3020lm	~ 30W (Ts < 85°C)										
Soleriq E30 4075lm	~ 46W (Ts < 85°C)										
Soleriq E45 2365lm	~ 20W (Ts < 85°C)										
Soleriq E45 3225lm	~ 29W (Ts < 85°C)										
Soleriq E45 3960lm	~ 38W (Ts < 85°C)										
Soleriq E45 4430lm	~ 44W (Ts < 85°C)										

Please [contact](#) us, should you have special requirements you do not see covered here..

"HPK-Fin" is a registered Trademark of HPK innovative solutions  
 Produkt entspricht den Vorschriften gemäß EU-Richtlinie 2002/95/EG  
 Product complies with EU Directive 2002/95/EC  
 Producto cumple con los requisitos establecidos en la Directiva 2002/95/CE



FrigoDynamics GmbH  
 Bahnhofstr. 16  
 D-85570 Markt Schwaben  
[www.frigodynamics.com](http://www.frigodynamics.com)

# FrigoDynamics® Passive 2-Phase HX Solutions for OSRAM PrevaLED/Soleriq® Core Light Engines



## Der OC 2-Phase Wärmetauscher

überzeugt durch sein flaches, patentiertes Design und eignet sich dadurch besonders für den Einsatz in abgehängten Decken, wenn der Einbauraum in der Vertikalen limitiert ist.

## The OC 2-Phase HX

the patented design gives it a low profile ideal for fitting in spaces that have height restrictions. The shape allows it to fit in typical recess downlight type applications.

## L'échangeur de chaleur de la phase 2 OC

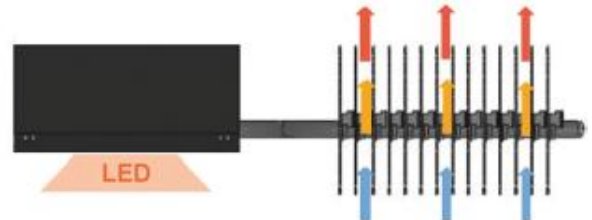
avec ses plats, brevetés design et est donc idéal pour une utilisation dans les plafonds suspendus, si peu d'espace de l'installation à la verticale.

## El OC Intercambiador de calor por cambio de fase

El diseño patentado da un bajo perfil ideal para encajar en espacios que tienen altura limitada, por tanto es ideal para su uso en los falsos techos para los downlight.

## Lo scambiatore di calore OC 2 fasi

con il suo piatto, design brevettato ed è quindi ideale per l'uso in soffitti sospesi, se limitato lo spazio di installazione in verticale



The only high power cooling solution that really works much longer than the product it cools.

FrigoDynamics® thermal solutions		2-Phase HX	OC HPK-Fin™ 210			OC HPK-Fin™ 250		
		Dimensions	H55 x W120 x L210			H55 x W120 x L250		
Ts < 70°C	Ts < 85°C	Tambient	25°C	35°C	40°C	25°C	35°C	40°C
LEP-2100-840-C	31W (Ts < 70°C)							
LEP-2100-830-C	34W (Ts < 70°C)							
LEP-3000-840-HD-C	39W (Ts < 70°C)							
Soleriq E30 2245lm	~ 21W (Ts < 85°C)							
Soleriq E30 2640lm	~ 26W (Ts < 85°C)							
Soleriq E30 3020lm	~ 30W (Ts < 85°C)							
Soleriq E30 4075lm	~ 46W (Ts < 85°C)							
Soleriq E45 2365lm	~ 20W (Ts < 85°C)							
Soleriq E45 3225lm	~ 29W (Ts < 85°C)							
Soleriq E45 3960lm	~ 38W (Ts < 85°C)							
Soleriq E45 4430lm	~ 44W (Ts < 85°C)							

Please [contact](#) us, should you have special requirements you do not see covered here..

"HPK-Fin" is a registered Trademark of HPK innovative solutions  
 Produkt entspricht den Vorschriften gemäß EU-Richtlinie 2002/95/EG  
 Product complies with EU Directive 2002/95/EC  
 Producto cumple con los requisitos establecidos en la Directiva 2002/95/CE



FrigoDynamics GmbH  
 Bahnhofstr. 16  
 D-85570 Markt Schwaben  
[www.frigodynamics.com](http://www.frigodynamics.com)