

# The Passive Revolution

FrigoDynamics® 2-Phase Heat Exchanger solutions  
for GE Lighting Infusion™ LED Light Engines



zero noise level

no lifetime issues

no CO<sub>2</sub> emission

cools all  
lumen values

lighter than other  
passive solutions

compact

works in all  
orientations



passive convection  
natural airflow



GE  
Lighting

 FrigoDynamics®  
thermal solutions

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# FrigoDynamics® 2-Phase Heat Exchanger solutions for GE Lighting Infusion™ LED 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. Works in any direction.

## Échangeur de chaleur pour le 2-phase SC

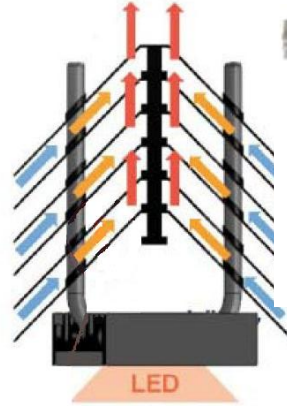
une conception spéciale, brevetée, bénéficieront de l'effet de cheminée et cela maximise la performance de refroidissement. Le design compact est idéal pour les applications légères de piste/spot. La solution fonctionne dans toutes les directions.

## 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.



Infusion™ M2000



Infusion™ M3000



The only cooling solution in it's class, that works much longer than the product it cools.

2-Phase HX	Dimensions	SC HPK-Fin™ 110AN			SC HPK-Fin™ 150AN			SC HPK-Fin™ 180AN			SC HPK-Fin™ 230AN			
		Ø100 H ~110			Ø100 H ~150			Ø100 H ~180			Ø100 H ~230			
		Tc < 65°C	Tambient	25°C	35°C	40°C	25°C	35°C	40°C	25°C	35°C	40°C	25°C	35°C
Infusion™ M1000/xxx/W/N - 15W		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Infusion™ M1500/xxx/W/N - 23W		✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Infusion™ M2000/xxx/W/N - 30W		✓			✓	✓		✓	✓	✓	✓	✓	✓	✓
Infusion™ M3000/xxx/W/N - 46W								✓	✓		✓	✓	✓	✓

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



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## Der OC/LC 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/LC 2-Phase HX

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

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

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/LC 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/LC 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



Infusion™ M1000



Infusion™ M1500



Infusion™ M2000



Infusion™ M3000



300g



370g



450g

The only viable solution that really works much longer than the product it cools.

2-Phase HX	Dimensions	OC HPK-Fin™ 210 W120 x H55 x L~210			OC HPK-Fin™ 250 W120 x H55 x L~250			OC HPK-Fin™ 300 W120 x H55 x L~300			
		Tc < 65°C	Tambient	25°C	35°C	40°C	25°C	35°C	40°C	25°C	35°C
Infusion™ M1000/xxx/W/N - 15W		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Infusion™ M1500/xxx/W/N - 23W		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Infusion™ M2000/xxx/W/N - 30W		✓	✓		✓	✓	✓	✓	✓	✓	✓
Infusion™ M3000/xxx/W/N - 46W					✓			✓	✓		✓

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