Luminaria Industrial LED

RAWELT®

Para áreas peligrosas.
Cerrada y Sellada.

LISTED
LUMINAIRE
E 516896

A poste 25°

25° Stanchion

Colgante

Pendant

A Techo

Ceiling

A Pared

Wall

Hazardous locations Industrial LED
Lighting fixture.
Enclosed and gasketed.

16.5 LUMINARIA INDUSTRIAL LED PARA ÁREAS PELIGROSAS CERRADOS Y SELLADOS. SERIE LH-LED

• Clase I Div. 2/Grupos A, B, C, D clase II Div. 1 Grupos E, F, G.
• Clase I Zona 2/Grupos II C, II B, II A, Clase II Div 1 Grupos E, F, G.
Las lámparas para áreas peligrosas LED: Blanco Neutral y blanco frío con una iluminación uniforme, y están diseñadas para uso interno y externo, pueden ser usadas en ambientes generales u ordinario, y peligrosas por presencia de vapores inflamables, polvos o gases combustibles como se define en el NEC. (National Electrical Code). Utilizando una tablilla con arreglos LED podemos superar 1000 w de iluminación HID.

Aplicaciones:
- Las luminarias. Serie LH-LED, están diseñadas para usarse donde la húmedad, polvo, suciedad, corrosión y vibración esten presentes y donde exista la posibilidad de agua, viento ó nieve.
- Pueden ser usadas en ambientes generales u ordinarios, y peligrosos por presencia de vapores inflamables, polvos o gases combustibles como se definen en el NEC. (National Electrical Code).
- Las luminarias pueden ser usadas en plantas manufactureras, y ciertas plantas de proceso químico y petroquímico, plantas tratadoras de aguas residuales, plataformas marinas, almacenes, etc.

Material:
- Cuerpo: Aluminio inyectado a presión.
- Acabado: Pintura electrostática epóxica/poliester polimerizada.
- Tornillería externa: Acero inoxidable.
- Vaso refractor: Policarbonato resistente a rayos ultravioleta.
- Temperatura de operación: 40ºC (104 ºF).
- Empaques: Silicón para altas temperaturas.

Características:
- Mantenimiento mínimo o nulo.
- Encendido instantáneo.
- Operación a temperaturas bajas.
- Bajas temperaturas superficiales.
- Controador con fusibles internos para la protección de circuitos derivados.
- El sistema de LED puede ahorrar hasta un 80% en costos de energía.
- 50 mil horas vida pueden proporcionar más de 10 años de iluminación sin necesidad de mantenimiento.
- No contiene mercurio ni productos químicos peligrosos.
- Temperaturas de operación: -30 ºC a 55 ºC.
- 5 Tipos de montaje: Colgante, a poste 25º y 90º, a techo y pared.
- A prueba de ambientes húmedos, agua y polvos inflamables.
- Disipación eficiente de calor para una larga vida del LED, obteniendo mayores T-RATINGS para uso en ambientes más peligrosos, gracias a su diseño con aletas exteriores.
- Protección contra variaciones de corriente mediante supresor de sobrevoltajes categoría C3 10 Kv línea-tierra.

16.5 HAZARDOUS LOCATIONS INDUSTRIAL LED LIGHTING FIXTURE. ENCLOSED AND GASKETED. LH-LED SERIES

• Class I Div. 2/Groups A, B, C, D class II Div. 1 Groups E, F, G.
• Class I Zone 2/Groups II C, II B, II A, Class II Div 1 Groups E, F, G.
The LED lighting fixtures are neutral white and cool white, both has uniform illumination, and are designed for interior or exterior use, using a LED arrangements can overcome 1000 w of HID light.

Applications:
- Series LH-LED, Lighting fixtures designed for use where moisture, dust, dirt, corrosion and vibration may be present or where exist the possibility of water, wind or snow.
- They can be use in ordinary location and in hazardous locations by the presence of flammable vapors, gases or combustible dust as defined by NEC. (National Electrical Code).
- Lighting fixtures could be use in manufacturing plants, and certain chemical and petrochemical processing facilities, sewage treatment plants, offshore installations, warehouse, etc.

Material:
- Body and mounting: Die cast aluminum.
- Finish: Electrostatic powder coating epoxic/polyester.
- External hardware: Stainless steel.
- Refractor globe: Polycarbonate resistant to UV.
- Operation temperature: 104 ºF (40ºC).
- Gaskets: Silicone for high temperatures.

Compliances:
UL 844 UL 1598 C
CSA C22.2 No. 137
UL 8750 LED
NEMA 3, 3R, 4, 4X
NMX-J-307-ANCE-2017
NMX-J-627-ANCE-2009
NMX-J-529-ANCE-2012

Characteristics:
- Minimal maintenance.
- Instant ignition.
- Operation at low temperatures.
- Low surface temperatures.
- Controller with internal fuses for branch circuit protection.
- LED system can save up to 80% in energy costs.
- 50,000 hours of life can provide more than 10 years of lighting without maintenance.
- Contains no mercury and hazardous chemical products.
- Operation temperatures: -30 ºC up to 55ºC.
- 5 Mounting types: Pendant, stanchion 25º and 90º, ceiling, wall.
- Wet locations.
- Raintight.
- Dust-ignition proof.
- External Flaps provides great thermal transfer for a long life of LED, obtaining higher T-Ratings.
- Protection against current variation through voltage suppressor category C3 10 Kv line-ground.

Cumple con:
UL 844 UL 1598 C
CSA C22.2 No. 137
UL 8750 LED
NEMA 3, 3R, 4, 4X
NMX-J-307-ANCE-2017
NMX-J-627-ANCE-2009
NMX-J-529-ANCE-2012

LISTED LUMINAIRE E 516896

Especificaciones eléctricas / Electrical ratings:

Lúmenes iniciales ±5% @ 25ºC Initial lumens ±5% @ 25ºC	5800 LM	9000 LM	13500 LM	18500 LM	24500 LM
Voltaje / Voltage 75ºC Vcd	28,0/30,0	28,0/30,0	207/220	207/220	207/220
Potencia / Watts 75ºC (w) Línea	53	85	113	150	196
Corriente / Input current (A)	1.50	1.50	1.50	1.50	1.50
Eficiencia / Efficiency 75ºC (lm / W)	152	150	156	143	131
Temperatura de color / Color temperature (K)	4000 / 5000	4000 / 5000	4000 / 5000	4000 / 5000	4000 / 5000
Indice de reproducción cromática / Color rendering index (CRI)	70	70	70	70	70
Supresor de sobrevoltajes / Surge protector device	10 Kv	10 Kv	10 Kv	10 Kv	10 Kv
Potencia Light Source	38 W	60 W	86 W	129 W	187 W

Fabricación e integración 100% Nacional

HECHO EN MÉXICO

Manufacturing and Integration 100% National.
Made in Mexico

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16.5- LUMINARIA INDUSTRIAL LED PARA AREAS PELIGROSAS. CERRADOS Y SELLADOS. SERIE LH-LED

16.5 - HAZARDOUS LOCATIONS INDUSTRIAL LED LIGHTING FIXTURE. ENCLOSED AND GASKETED. LH-LED

FICHA TECNICA / TECHNICAL DATA

007 - RW -371

- **Clase I Div. 2/Grupos A,B,C,D clase II Div. 1 Grupos E,F,G.**
- **Clase I Zona 2/Grupos II C, II B, II A, Clase II Grupos E,F,G.**

Las lámparas para áreas peligrosas LED: Blanco Neutral y blanco frio con un iluminación uniforme, y están diseñadas para uso interno y externo, pueden a ser usadas en ambientes generales u ordinario, y peligrosas por presencia de vapores flamables, polvos o gases combustibles como se define en el NEC. (National Electrical Code). Utilizando una tablilla con arreglos LED podemos superar 1000 W de iluminación HID.

Aplicaciones

- Las luminarias. Serie LH-LED, están diseñadas para usarse donde la humedad, polvo, suciedad, corrosión y vibración estén presentes y donde exista la posibilidad de agua, viento ó nieve.
- Pueden ser usadas en ambientes generales u ordinarios, y peligrosos por presencia de vapores flamables, polvos o gases combustibles como se definen en el NEC. (National Electrical Code).
- Las luminarias pueden ser usadas en plantas manufactureras, y ciertas plantas de proceso químico y petroquímico, plantas tratadoras de aguas residuales, plataformas marinas, almacenes, etc.
- Para uso en interior y exterior.

LISTED LUMINAIRE E 516896

Material:

- Cuerpo: Aluminio inyectado a presión.
- Acabado: Pintura electrostática epóxica/poliester polimerizada espesor mínimo de 2 mils.
- Pruebas de camara salina a pintura de acuerdo a ASTM B117
- Pruebas de adherencia a pintura de acuerdo ASTM 3359
- Resistencia a impactos mecánicos en carcasa de acuerdo a IK09 gracias a su diseño que no cuenta con elementos susceptibles a rompimiento.
- Tornillería externa: Acero inoxidable
- Vaso refractor: Policarbonato resistente a rayos ultravioleta
- Empaques: Silicón para altas temperaturas.

Cumple con:
UL 844 UL 1598 C
CSA C22.2 No. 137
UL 8750 LED
NEMA 3, 3R, 4, 4X
NMX-J-307-2017
NMX-J-627-2009
NMX-J-529-2012

Características:

- Distribucion Fotométrica: IESNA Tipo I y Tipo V.
- Disipación eficiente de calor para una larga vida del LED, obteniendo mayores T-Ratings, para uso en ambientes más peligrosos, gracias a su diseño con aletas exteriores.
- Mantenimiento mínimo o nulo.
- Encendido instantáneo.
- Operación a temperaturas bajas.
- Bajas temperaturas superficiales.
- Protección contra variaciones de corriente mediante supresor de sobrevoltaje categoria C3 10 KV linea-tierra.
- Controlador con fusibles internos para la protección de circuitos derivados.
- El sistema de LED puede ahorrar hasta un 80% en costos de energía.
- 50 mil horas vida pueden proporcionar más de 10 años de iluminación sin necesidad de mantenimiento.
- No contiene mercurio ni productos quimicos peligrosos.
- Temperaturas de operación: -30 ºC a 50 ºC.
- 5 Tipos de montaje: Colgante, a poste 25º y 90º, a techo y pared.
- A prueba de ambientes húmedos, agua y polvos inflamables.
- Lúmenes iniciales ± 5% @ 25 ºC
- Carcasa conectada a tierra
- El desempeño real puede variar como resultado del medio ambiente y aplicación donde se instale la luminaria.
- Todos los parámetros son diseñados y medidos bajo condiciones de laboratorio a 25 ºC
- Rango de temperatura T5 para uso en la mayoría de ambientes peligrosos.
- Sellada de fábrica: Refierase al instructivo de instalación para requerimientos de sellado externo.

- **Class I Div. 2/Groups A,B,C,D class II Div. 1 Groups E,F,G.**
- **Class I Zone 2/Groups II C, II B, II A, Class II Groups E,F,G.**

The LED lighting fixtures are neutral white and cool white, both has uniform illumination, and are designed for interior or exterior use, using a LED arrangements can overcome 1000 watts of HID light.

Applications

- Series LH-LED, Lighting fixtures designed for use where moisture, dust, dirt, corrosion and vibration may be present or where exist the possibility of water, wind or snow.
- They can be use in ordinary location and in hazardous locations by the presence of flamable vapors, gases or combustible dust as defined by NEC. (National Electrical Code)
- Lighting fixtures could be use in manufacturing plants, and certain chemical and petrochemical precessing facilities, sewage treatment plants, offshore installations, warehouse, etc.
- For use indoor and outdoor.

Material:

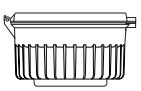
- Body and mounting: Die cast aluminum.
- Finish: Electrostatic powder coating epoxic/polyester. Minimum thickness 2 mils
- Saline chamber test to paint according to ASTM B117
- Paint adhesion test according ASTM 3359
- Resistance to mechanical impacts according IK09 casing, thanks to its design that does not have elements susceptible to breakage.
- External hardware: Stainless steel.
- Refractor globe: Polycarbonate resistant to UV.
- Gaskets: Silicone for high temperatures.

Compliances:
UL 844 UL 1598 C
CSA C22.2 No. 137
UL 8750 LED
NEMA 3, 3R, 4, 4X
NMX-J-307-2017
NMX-J-627-2009
NMX-J-529-2012

Characteristics:

- Photometric Distribution: IESNA Type I and Type V.
- External flaps provides great thermal transfer for a long life of LED, obtaining higher T-Raitings.
- Minimal maintenance.
- Instant ignition.
- Operation at low temperatures.
- Low surface temperatures.
- Controller with internal fuses for branch circuit protection.
- LED system can save up to 80% in energy costs.
- 50,000 hours of life can provide more than 10 years of lighting without maintenance.
- Contains no mercury and hazardous chemical products.
- Operation temperatures: -30 ºC up to 50 ºC
- Protection agains current variations through voltage supressor category C3 10 KV line-ground.
- 5 Mounting types: Pendant, stanchion 25º and 90º, ceiling, wall.
- Wet locations.
- Raintight.
- Initial lumens ± 5% @ 25 ºC
- Dust-ignition proof.
- Grounded housing.
- Real performance could vary as a result of application and enviroment where the lighting fixture are installed.
- All parameters are designed and measured under laboratory conditions at 25 ºC
- T5 temperature range for safe use in most hazardous enviroments.
- Factory sealed: Refer to installations instructions for external seal requeriments.

USAR No. DE CODIGO PARA HACER PEDIDOS. — TO ORDER USE CODE NUMBER.

Figura / Figure	Descripción / Description	Catalogo / Catalog	Código / Code	Linea Watts / Line	Lúmenes Iniciales / Initial Lumens	Grados Kelvin / ºK	Entrada conduit Hub mm	Entrada conduit Hub inch	Peso x 100 pzas. / Weight x 100 pcs. kg	Peso x 100 pzas. / Weight x 100 pcs. lb	Unit Ctn. Pzas. Pcs.
	**Montaje colgante / Pendant mounting**	LHC - 2 - LED - 1	27.46.4436	53	5800	5000	19.0	3/4"	5.520	12.14	1
		LHC - 2 - LED - 2	27.46.4437	85	9000	5000					
		LHC - 2 - LED - 3	27.46.4438	113	13500	5000					
		LHC - 2 - LED - 4	27.46.4439	150	18500	5000					
		LHC - 2 - LED - 5	27.46.4440	196	24500	5000					
		LHC - 2 - LED - 6	27.46.4585	186	13500	4000					
		LHC - 2 - LED - 7	27.46.4586	150	18500	4000					
		LHC - 2 - LED - 8	27.46.4587	196	24500	4000					
		LHC - 2 - LED - 9	27.46.4588	53	5800	4000					
		LHC - 2 - LED -10	27.46.5366	85	9000	4000					

Especificaciones sujetas a cambio sin previo aviso. Specifications are subject to change without notice.

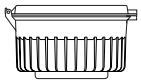
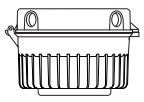
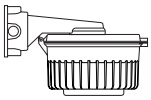
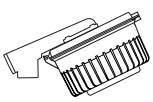
16.5- LUMINARIA INDUSTRIAL LED PARA AREAS PELIGROSAS.
CERRADOS Y SELLADOS. SERIE LH-LED

16.5 - HAZARDOUS LOCATIONS INDUSTRIAL LED LIGHTING FIXTURE.
ENCLOSED AND GASKETED. LH-LED

FICHA TECNICA / TECHNICAL DATA

007 - RW -371

USAR No. DE CODIGO PARA HACER PEDIDOS. — TO ORDER USE CODE NUMBER.

Figura / Figure	Descripción / Description	Catalogo / Catalog	Código / Code	Linea Watts / Line	Lúmenes Iniciales / Initial Lumens	Grados Kelvin ºK	Entrada conduit Hub mm	Entrada conduit Hub inch	Peso x 100 pzas. / Weight x 100 pcs. kg	Peso x 100 pzas. / Weight x 100 pcs. lb	Unit Ctn. Pzas. Pcs.
	**Montaje colgante / Pendant mounting**	LHC - 3 - LED - 1 LHC - 3 - LED - 2 LHC - 3 - LED - 3 LHC - 3 - LED - 4 LHC - 3 - LED - 5 LHC - 3 - LED - 6 LHC - 3 - LED - 7 LHC - 3 - LED - 8 LHC - 3 - LED - 9 LHC - 3 - LED -10	27.46.4441 27.46.4442 27.46.4443 27.46.4444 27.46.4445 27.46.4589 27.46.4590 27.46.4591 27.46.4592 27.46.5367	53 85 113 150 196 186 150 196 53 85	5800 9000 13500 18500 24500 13500 18500 24500 5800 9000	5000 5000 5000 5000 5000 4000 4000 4000 4000 4000	25.4	1”	5.520	12.14	1
	**Montaje a techo / Ceiling mounting**	LHT - 2 - LED - 1 LHT - 2 - LED - 2 LHT - 2 - LED - 3 LHT - 2 - LED - 4 LHT - 2 - LED - 5 LHT - 2 - LED - 6 LHT - 2 - LED - 7 LHT - 2 - LED - 8 LHT - 2 - LED - 9 LHT - 2 - LED -10	27.46.4446 27.46.4447 27.46.4448 27.46.4449 27.46.4450 27.46.4593 27.46.4594 27.46.4595 27.46.4596 27.46.5368	53 85 113 150 196 186 150 196 53 85	5800 9000 13500 18500 24500 13500 18500 24500 5800 9000	5000 5000 5000 5000 5000 4000 4000 4000 4000 4000	19.0	3/4”	5.520	12.32	1
		LHT - 3 - LED - 1 LHT - 3 - LED - 2 LHT - 3 - LED - 3 LHT - 3 - LED - 4 LHT - 3 - LED - 5 LHT - 3 - LED - 6 LHT - 3 - LED - 7 LHT - 3 - LED - 8 LHT - 3 - LED - 9 LHT - 3 - LED -10	27.46.4451 27.46.4452 27.46.4453 27.46.4454 27.46.4455 27.46.4597 27.46.4598 27.46.4599 27.46.4600 27.46.5369	53 85 113 150 196 186 150 196 53 85	5800 9000 13500 18500 24500 13500 18500 24500 5800 9000	5000 5000 5000 5000 5000 4000 4000 4000 4000 4000	25.4	1”	5.600	12.32	1
	**Montaje a pared / Wall mounting**	LHW - 2 - LED - 1 LHW - 2 - LED - 2 LHW - 2 - LED - 3 LHW - 2 - LED - 4 LHW - 2 - LED - 5 LHW - 2 - LED - 6 LHW - 2 - LED - 7 LHW - 2 - LED - 8 LHW - 2 - LED - 9 LHW - 2 - LED -10	27.46.4456 27.46.4457 27.46.4458 27.46.4459 27.46.4460 27.46.4601 27.46.4602 27.46.4603 27.46.4604 27.46.5370	53 85 113 150 196 186 150 196 53 85	5800 9000 13500 18500 24500 13500 18500 24500 5800 9000	5000 5000 5000 5000 5000 4000 4000 4000 4000 4000	19.0	3/4”	6.100	13.42	1
		LHW - 3 - LED - 1 LHW - 3 - LED - 2 LHW - 3 - LED - 3 LHW - 3 - LED - 4 LHW - 3 - LED - 5 LHW - 3 - LED - 6 LHW - 3 - LED - 7 LHW - 3 - LED - 8 LHW - 3 - LED - 9 LHW - 3 - LED -10	27.46.4461 27.46.4462 27.46.4463 27.46.4464 27.46.4465 27.46.4605 27.46.4606 27.46.4607 27.46.4608 27.46.5371	53 85 113 150 196 186 150 196 53 85	5800 9000 13500 18500 24500 13500 18500 24500 5800 9000	5000 5000 5000 5000 5000 4000 4000 4000 4000 4000	25.4	1”	6.100	13.42	1
	**Montaje a poste 25° / 25° Stanchion mounting**	LHS - 4 - LED - 1 LHS - 4 - LED - 2 LHS - 4 - LED - 3 LHS - 4 - LED - 4 LHS - 4 - LED - 5 LHS - 4 - LED - 6 LHS - 4 - LED - 7 LHS - 4 - LED - 8 LHS - 4 - LED - 9 LHS - 4 - LED -10	27.46.4466 27.46.4467 27.46.4468 27.46.4469 27.46.4470 27.46.4609 27.46.4610 27.46.4611 27.46.4612 27.46.5372	53 85 113 150 196 186 150 196 53 85	5800 9000 13500 18500 24500 13500 18500 24500 5800 9000	5000 5000 5000 5000 5000 4000 4000 4000 4000 4000	31.8	1 1/4”	5.900	12.99	1
		LHS - 5 - LED - 1 LHS - 5 - LED - 2 LHS - 5 - LED - 3 LHS - 5 - LED - 4 LHS - 5 - LED - 5 LHS - 5 - LED - 6 LHS - 5 - LED - 7 LHS - 5 - LED - 8 LHS - 5 - LED - 9 LHS - 5 - LED -10	27.46.4471 27.46.4472 27.46.4473 27.46.4474 27.46.4475 27.46.4613 27.46.4614 27.46.4615 27.46.4616 27.46.5373	53 85 113 150 196 186 150 196 53 85	5800 9000 13500 18500 24500 13500 18500 24500 5800 9000	5000 5000 5000 5000 5000 4000 4000 4000 4000 4000	38.1	1 1/2”	5.900	12.99	1

Especificaciones sujetas a cambio sin previo aviso. Specifications are subject to change without notice.

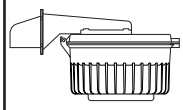
16.5- LUMINARIA INDUSTRIAL LED PARA AREAS PELIGROSAS.
CERRADOS Y SELLADOS. SERIE LH-LED

16.5 - HAZARDOUS LOCATIONS INDUSTRIAL LED LIGHTING FIXTURE.
ENCLOSED AND GASKETED. LH-LED

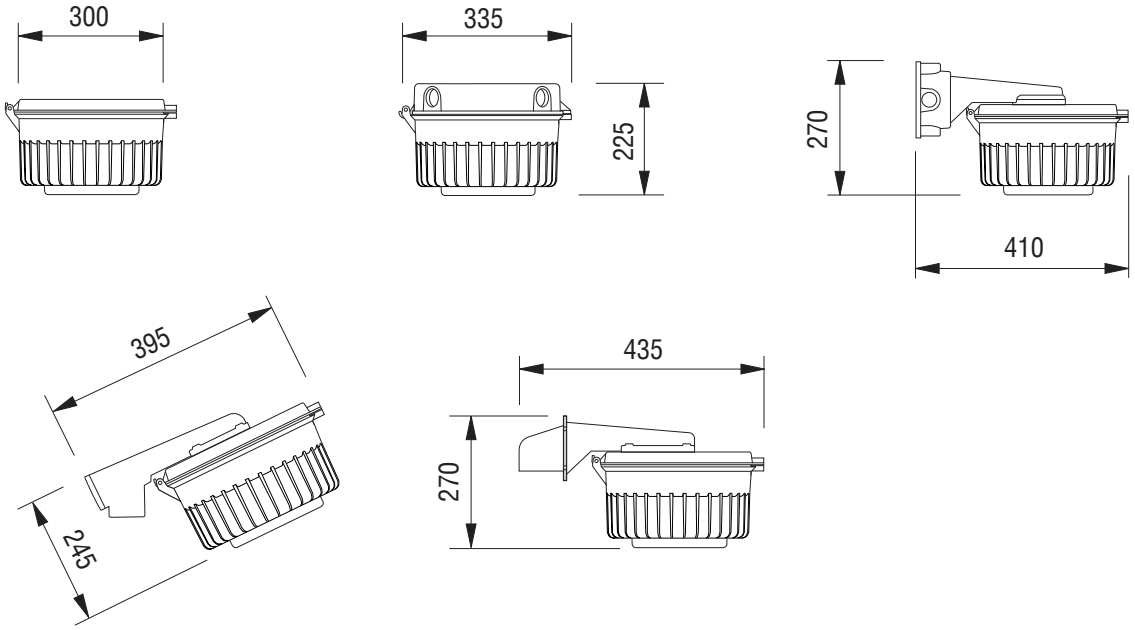
FICHA TECNICA / TECHNICAL DATA

007 - RW - 371

USAR No. DE CODIGO PARA HACER PEDIDOS. — TO ORDER USE CODE NUMBER.

Figura / Figure	Descripción / Description	Catalogo / Catalog	Código / Code	Linea Watts / Line	Lúmenes Iniciales / Initial Lumens	Grados Kelvin °K	Entrada conduit Hub mm	Entrada conduit Hub inch	Peso x 100 pzas. / Weight x 100 pcs. kg	Peso x 100 pzas. / Weight x 100 pcs. lb	Unit Ctn. Pzas. Pcs.
	**Montaje a poste 90°** **90° Stanchion mounting**	LHS1 - 4 - LED - 1	27.46.4476	53	5800	5000	31.8	1 1/4"	5.900	12.99	1
		LHS1 - 4 - LED - 2	27.46.4477	85	9000	5000					
		LHS1 - 4 - LED - 3	27.46.4478	113	13500	5000					
		LHS1 - 4 - LED - 4	27.46.4479	150	18500	5000					
		LHS1 - 4 - LED - 5	27.46.4480	196	24500	5000					
		LHS1 - 4 - LED - 6	27.46.4617	186	13500	4000					
		LHS1 - 4 - LED - 7	27.46.4618	150	18500	4000					
		LHS1 - 4 - LED - 8	27.46.4619	196	24500	4000					
		LHS1 - 4 - LED - 9	27.46.4620	53	5800	4000					
		LHS1 - 4 - LED -10	27.46.5374	85	9000	4000					
		LHS1 - 5 - LED - 1	27.46.4481	53	5800	5000	38.1	1 1/2"	5.900	12.99	1
		LHS1 - 5 - LED - 2	27.46.4482	85	9000	5000					
		LHS1 - 5 - LED - 3	27.46.4483	113	13500	5000					
		LHS1 - 5 - LED - 4	27.46.4484	150	18500	5000					
		LHS1 - 5 - LED - 5	27.46.4485	196	24500	5000					
		LHS1 - 5 - LED - 6	27.46.4621	186	13500	4000					
		LHS1 - 5 - LED - 7	27.46.4622	150	18500	4000					
		LHS1 - 5 - LED - 8	27.46.4623	196	24500	4000					
		LHS1 - 5 - LED - 9	27.46.4624	53	5800	4000					
		LHS1 - 5 - LED -10	27.46.5375	85	9000	4000					

Certificaciones / Compliances: UL Expediente / File No. E516896 UL 1598



Especificaciones sujetas a cambio sin previo aviso. Specifications are subject to change without notice.

Sistema Electrónico / Electronic system:

LED
Tablilla de arreglo LED.
Blanco Neutral (4000 °K) CRI 70.
Blanco frio (5000 °K) CRI 70.

DRIVER
Balastro electrónico de corriente continua
120 / 277 V~, 50/60 Hz: 38 W, 60 W, 86 W, 129 W, 187 W.
347 / 480 V~, 50/60 Hz: 86 W, 129 W, 187 W. ✳
Fusible interno.
Factor de potencia: FP > 0.90
Distorsión armónica total: THD < 20%
Supresor de Sobrevoltaje
✳ Solicitar cotización

LED
High brightness LED assembly.
White Neutral (4000 °K) CRI 70.
Cool White (5000 °K) CRI 70.

DRIVER
Constant current regulated power suply
120 / 277 V~, 50/60 Hz: 38 W, 60 W, 86 W, 129 W, 187 W.
347 / 480 V~, 50/60 Hz: 86 W, 129 W, 187 W. ✳
Internal fusing.
Power factor: > 0.90
Low harmonic distortion: THD < 20%
Surge Protector Device
✳ Quotation request

Especificaciones eléctricas / Electrical ratings:

Lúmenes iniciales ± 5% @ 25 ºC Initial lumens ± 5% @ 25 ºC	5800 LM	9000 LM	13500 LM	18500 LM	24500 LM
Voltaje / Voltage @ 75ºC	30,0 V	30,0 V	207/220 V	207/220 V	207/220 V
Potencia / Watts @ 75°C Linea	53 W	85 W	113 W	150 W	196 W
Corriente / Input current	1,50 A	1,50 A	1,50 A	1,50 A	1,50 A
Factor de potencia / Power factor	>0.9	>0.9	>0.9	>0.9	>0.9
THD	<20%	<20%	<20%	<20%	<20%
Eficiencia / Efficiency @ 75°C	152LM	150 LM	156 LM	143 LM	131 LM
Temperaturas de color / Color Temperatures	4000 °K 5000 °K	4000 °K 5000 °K	4000 °K 5000 °K	4000 °K 5000 °K	4000 °K 5000 °K
Supresor de Sobrevoltaje / Surge Protector Device	10 KV	10 KV	10 KV	10 KV	10 KV
Consumo de energía / Energy consumption KWH	0,46	0,76	0,90	1,20	1,56
Voltaje Linea	120 / 277	120 / 277	120 / 277	120 / 277	120 / 277
Potencia / Light source	38 W	60 W	86 W	129 W	187 W

Para seleccionar la distribución fotométrica, añada al final del catálogo el sufijo I para tipo I y el sufijo V para tipo V.

To select the photometric distribution, add at the final of catalogue the suffix I for type I and suffix V for type V.

Especificaciones sujetas a cambio sin previo aviso. Specifications are subject to change without notice.

LUMINARIA AREAS PELIGROSAS LED
Marca: RAWELT
Modelo: LH-LED
Para Uso Interior y exterior
Fuente de Luz: Lámpara de LED

CARACTERISTICAS ELECTRICAS:
CONSULTAR EN LA ETIQUETA DEL PRODUCTO
120/277 V~ 50/60 Hz

Contenido: 1 pieza

NOM

País de Origen: México

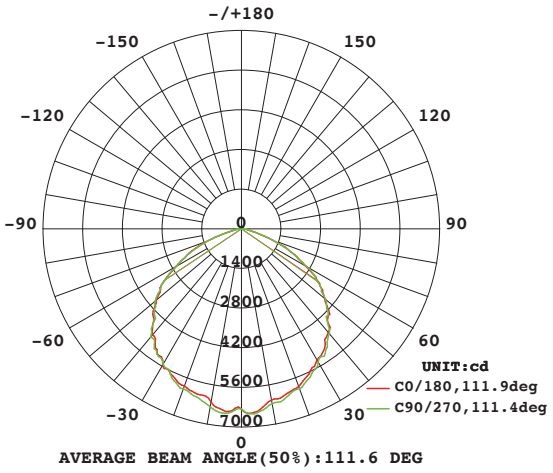
Fabricado por: RAWELT, S.A. DE C.V.
VALLE DEL GUADIANA 656 PARQUE INDUSTRIAL
LAGUNERO 35070 GOMEZ PALACIO, DGO., MEXICO

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:125.6V I:1.513A P:189.8W PF:0.9984 Lamp Flux:17602.3x1 lm		
NAME: LHT-2-LED-8	TYPE:AREAS PELIGROSAS	WEIGHT:5600 gr
SPEC.:127Vac, 60Hz, 190W	DIM.: 335x335x225 (mm)	SERIAL No.:
MFR.: RAWELT	SUR.:	PROTECTION ANGLE:

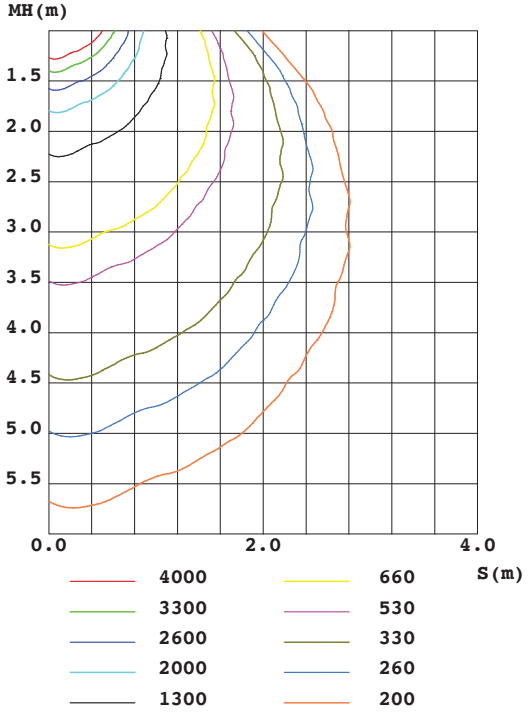
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 92.75 lm/W	
MODEL	LED 4000K	Imax(cd)	6571	S/MH(C0/180)	1.27
NOMINAL POWER(W)	190	LOR(%)	100.0	S/MH(C90/270)	1.29
RATED VOLTAGE(V)	127	TOTAL FLUX(lm)	17602	η UP,DN(C0-180)	0.7,48.9
NOMINAL FLUX(lm)	17602.3	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.7,49.7
LAMPS INSIDE	1	η up(%)	1.4	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	127	η down(%)	98.6	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):111.6 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



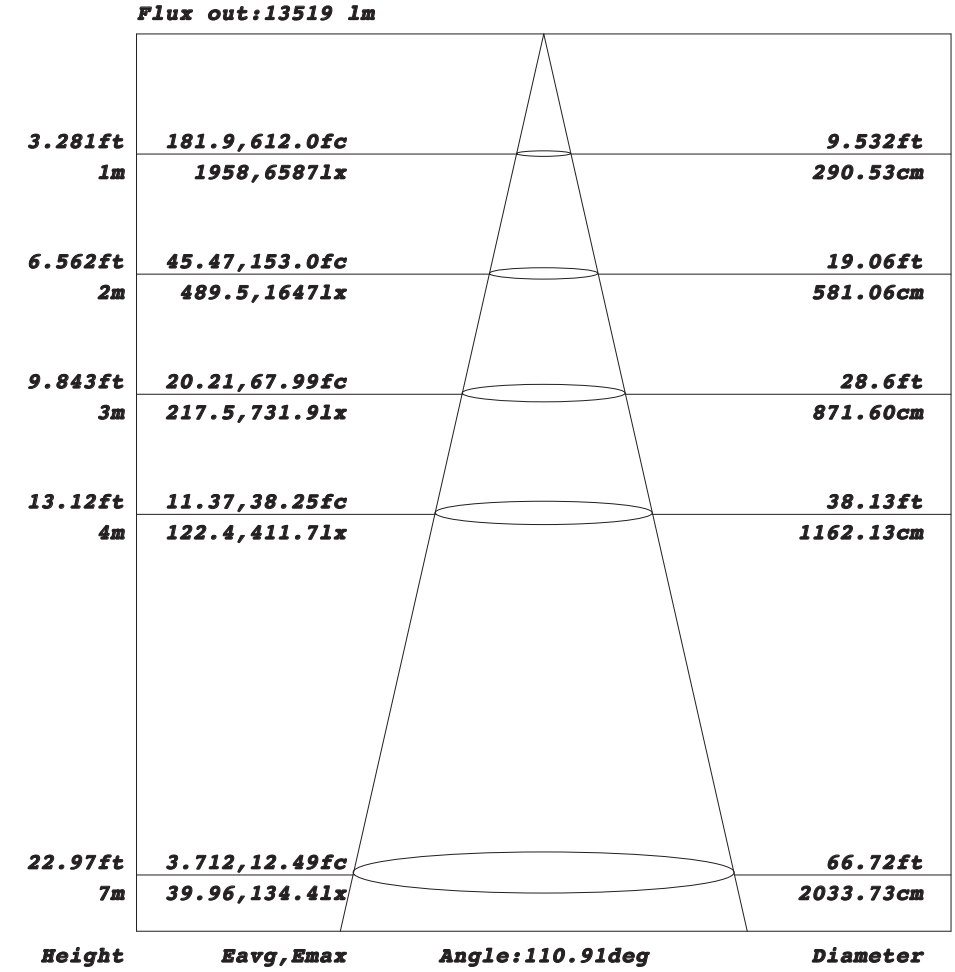
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.0DEG
Operators:Everardo Torres
Test Date:2018-06-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.279
Humidity:65.0%
Test Distance:6.960m [K=1.0000]
Remarks:

Especificaciones sujetas a cambio sin previo aviso. Specifications are subject to change without notice.

AAI Figure

Test:U:125.6V I:1.513A P:189.8W PF:0.9984 Lamp Flux:17602.3x1 lm		
NAME: LHT-2-LED-8	TYPE:AREAS PELIGROSAS	WEIGHT:5600 gr
SPEC.:127Vac, 60Hz, 190W	DIM.: 335x335x225 (mm)	SERIAL No.:
MFR.: RAWELT	SUR.:	PROTECTION ANGLE:



Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

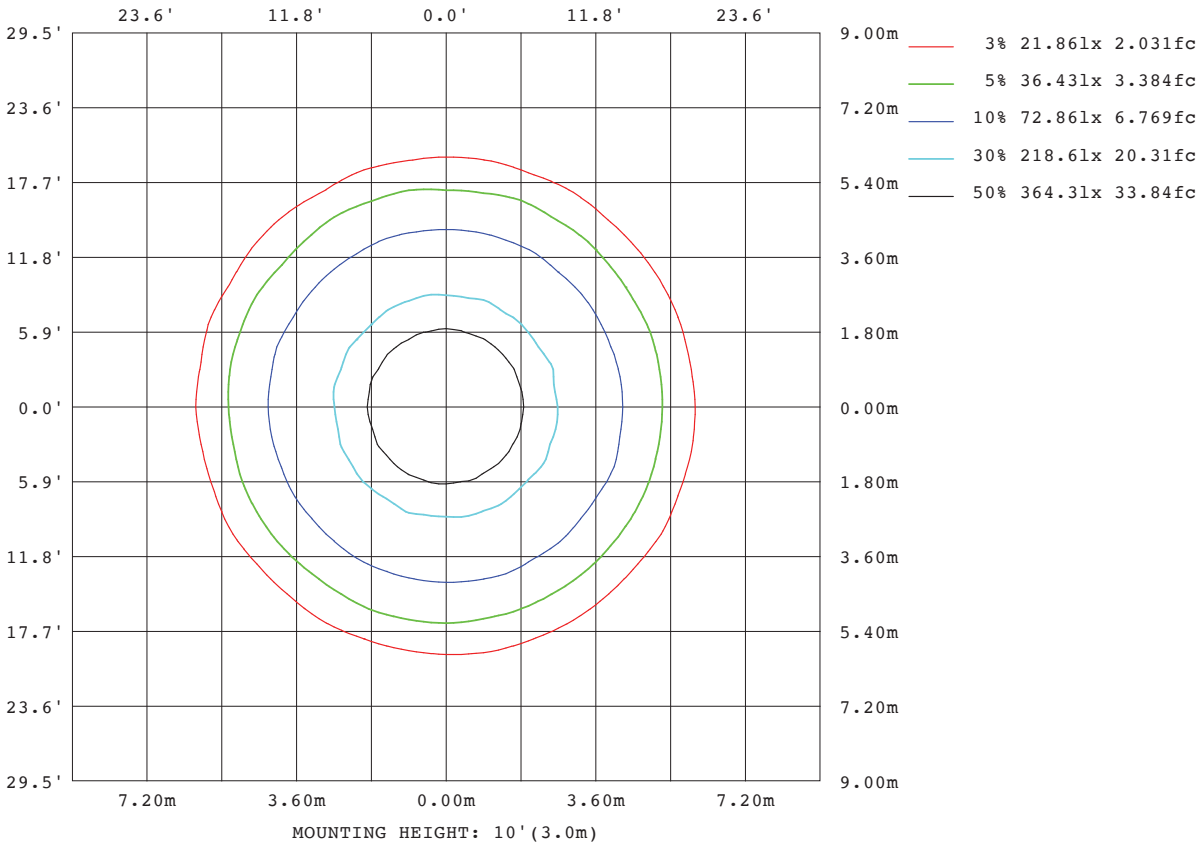
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.0DEG
Operators:Everardo Torres
Test Date:2018-06-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.279
Humidity:65.0%
Test Distance:6.960m [K=1.0000]
Remarks:

Especificaciones sujetas a cambio sin previo aviso. Specifications are subject to change without notice.

ISOLUX DIAGRAM

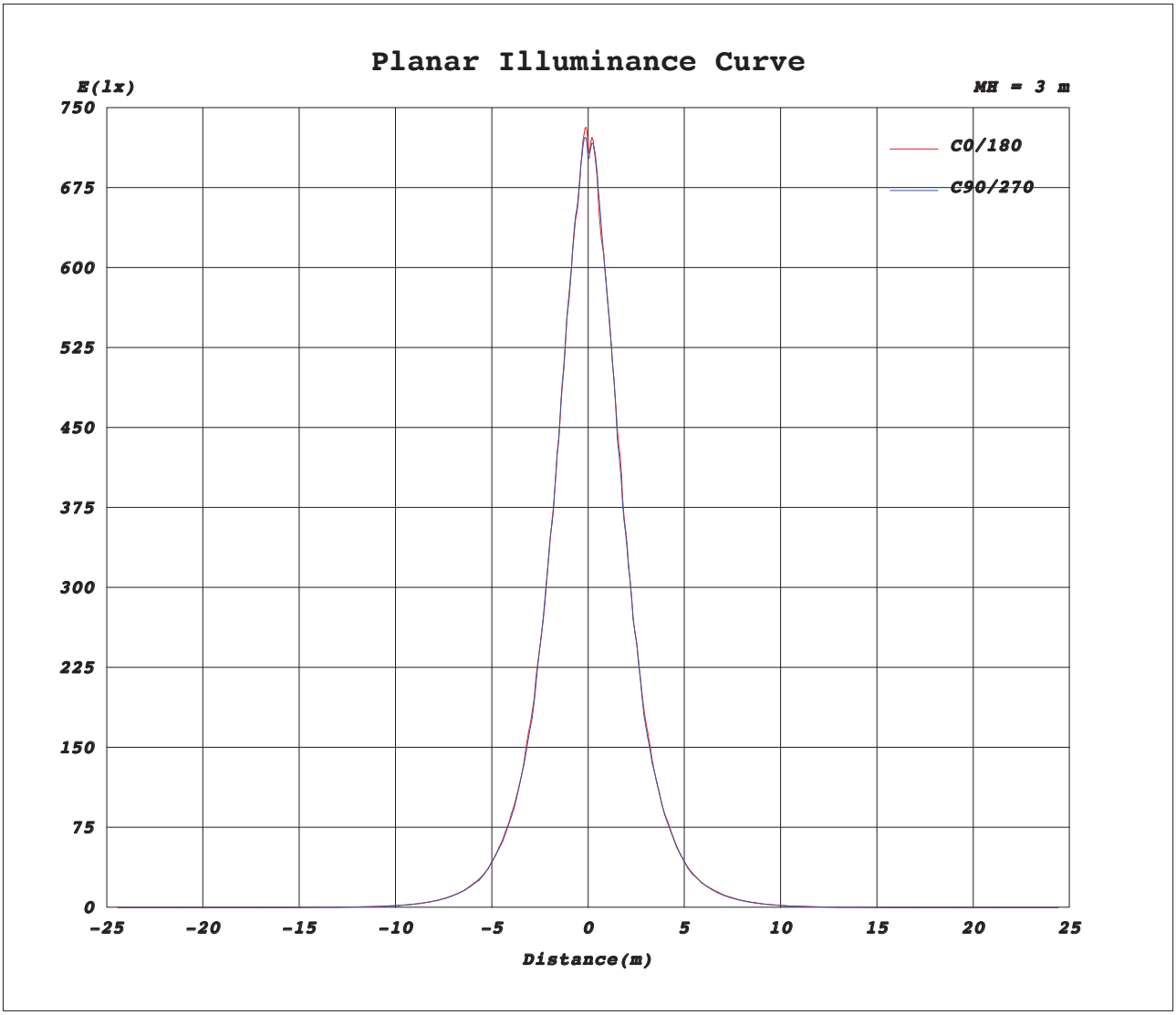
Test:U:125.6V I:1.513A P:189.8W PF:0.9984 Lamp Flux:17602.3x1 lm		
NAME: LHT-2-LED-8	TYPE:AREAS PELIGROSAS	WEIGHT:5600 gr
SPEC.:127Vac, 60Hz, 190W	DIM.: 335x335x225 (mm)	SERIAL No.:
MFR.: RAWELT	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.0DEG
Operators:Everardo Torres
Test Date:2018-06-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.279
Humidity:65.0%
Test Distance:6.960m [K=1.0000]
Remarks:

Especificaciones sujetas a cambio sin previo aviso. Specifications are subject to change without notice.



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.0DEG
Operators:Everardo Torres
Test Date:2018-06-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.279
Humidity:65.0%
Test Distance:6.960m [K=1.0000]
Remarks:

Especificaciones sujetas a cambio sin previo aviso. Specifications are subject to change without notice.

Cotización/Quotation ☐ **Plazo de embarque• / Shipment exw•** ☐ :

Hoja 1 / 2

Pedido No./Purchase order ☐ : _____ Our ref.: _____

Fecha/Date: _____ Vendedor/Salesman: _____ No. _____

Facturar a/Invoice to: _____ RFC. _____

Ordenado por/Ordered by: _____ Tel. ( ) _____ Fax ( ) _____

Dirección/Address: _____

_____ C.P./Zip. _____ Lugar/City/Country: _____

Consignar a/Ship to: _____

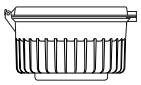
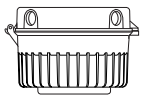
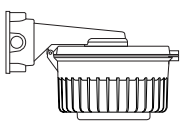
_____ Embarcar: Camión ☐ x Cobrar ☐ Pagado ☐ Paquete ☐

Cond. de Pago/Terms: _____

Cond. de Venta/Sale conditions: _____ L.P.: _____

16.5 - LUMINARIA INDUSTRIAL LED PARA AREAS PELIGROSAS. CERRADOS Y SELLADOS. SERIE LH-LED

16.5 - HAZARDOUS LOCATIONS INDUSTRIAL LED LIGHTING FIXTURE. ENCLOSED AND GASKETED. LH-LED SERIES.

Item	Figura / Figure	Descripción / Description	Catalogo / Catalog	Código / Code	Entrada conduit Hub mm	Entrada conduit Hub inch	Unit. Ctn. Pzas. Pcs.	Cantidad Qty.
1		**Montaje colgante** **Pendant mounting**	LHC - 2 - LED - 1 LHC - 2 - LED - 2 LHC - 2 - LED - 3 LHC - 2 - LED - 4 LHC - 2 - LED - 5 LHC - 2 - LED - 6 LHC - 2 - LED - 7 LHC - 2 - LED - 8 LHC - 2 - LED - 9 LHC - 2 - LED -10	27.46.4436 27.46.4437 27.46.4438 27.46.4439 27.46.4440 27.46.4585 27.46.4586 27.46.4587 27.46.4588 27.46.5366	19.0	3/4”	1	
			LHC - 3 - LED - 1 LHC - 3 - LED - 2 LHC - 3 - LED - 3 LHC - 3 - LED - 4 LHC - 3 - LED - 5 LHC - 3 - LED - 6 LHC - 3 - LED - 7 LHC - 3 - LED - 8 LHC - 3 - LED - 9 LHC - 3 - LED -10	27.46.4441 27.46.4442 27.46.4443 27.46.4444 27.46.4445 27.46.4589 27.46.4590 27.46.4591 27.46.4592 27.46.5367	25.4	1”	1	
2		**Montaje a techo** **Ceiling mounting**	LHT - 2 - LED - 1 LHT - 2 - LED - 2 LHT - 2 - LED - 3 LHT - 2 - LED - 4 LHT - 2 - LED - 5 LHT - 2 - LED - 6 LHT - 2 - LED - 7 LHT - 2 - LED - 8 LHT - 2 - LED - 9 LHT - 2 - LED -10	27.46.4446 27.46.4447 27.46.4448 27.46.4449 27.46.4450 27.46.4593 27.46.4594 27.46.4595 27.46.4596 27.46.5368	19.0	3/4”	1	
			LHT - 3 - LED - 1 LHT - 3 - LED - 2 LHT - 3 - LED - 3 LHT - 3 - LED - 4 LHT - 3 - LED - 5 LHT - 3 - LED - 6 LHT - 3 - LED - 7 LHT - 3 - LED - 8 LHT - 3 - LED - 9 LHT - 3 - LED -10	27.46.4451 27.46.4452 27.46.4453 27.46.4454 27.46.4455 27.46.4597 27.46.4598 27.46.4599 27.46.4600 27.46.5369	25.4	1”	1	
3		**Montaje a pared** **Wall mounting**	LHW - 2 - LED - 1 LHW - 2 - LED - 2 LHW - 2 - LED - 3 LHW - 2 - LED - 4 LHW - 2 - LED - 5 LHW - 2 - LED - 6 LHW - 2 - LED - 7 LHW - 2 - LED - 8 LHW - 2 - LED - 9 LHW - 2 - LED -10	27.46.4456 27.46.4457 27.46.4458 27.46.4459 27.46.4460 27.46.4601 27.46.4602 27.46.4603 27.46.4604 27.46.5370	19.0	3/4”	1	

☐ Expediente ☐ Control ☐ Embarques ☐ Almacén ☐ Producción

Ing. de Ventas **Cliente**

Cotización/Quotation ☐ **Plazo de embarque• / Shipment exw•** ☐ :

Pedido No./Purchase order ☐ : _____ Our ref.: _____

Fecha/Date: _____ Vendedor/Salesman: _____ No. _____

Facturar a/Invoice to: _____ RFC. _____

Ordenado por/Ordered by: _____ Tel. ( ) _____ Fax ( ) _____

Dirección/Address: _____

_____ C.P./Zip. _____ Lugar/City/Country: _____

Consignar a/Ship to: _____

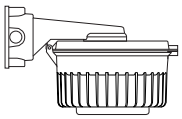
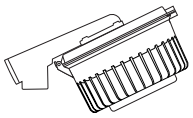
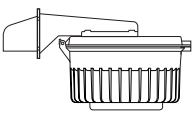
_____ Embarcar: Camión ☐ x Cobrar ☐ Pagado ☐ Paquete ☐

Cond. de Pago/Terms: _____

Cond. de Venta/Sale conditions: _____ L.P.: _____

16.5 - LUMINARIA INDUSTRIAL LED PARA AREAS PELIGROSAS. CERRADOS Y SELLADOS. SERIE LH-LED

16.5 - HAZARDOUS LOCATIONS INDUSTRIAL LED LIGHTING FIXTURE. ENCLOSED AND GASKETED. LH-LED SERIES.

Item	Figura / Figure	Descripción / Description	Catalogo / Catalog	Código / Code	Entrada conduit Hub mm	Entrada conduit Hub inch	Unit. Ctn. Pzas. Pcs.	Cantidad Qty.
3		Montaje a pared Wall mounting	LHW - 3 - LED - 1 LHW - 3 - LED - 2 LHW - 3 - LED - 3 LHW - 3 - LED - 4 LHW - 3 - LED - 5 LHW - 3 - LED - 6 LHW - 3 - LED - 7 LHW - 3 - LED - 8 LHW - 3 - LED - 9 LHW - 3 - LED -10	27.46.4461 27.46.4462 27.46.4463 27.46.4464 27.46.4465 27.46.4605 27.46.4606 27.46.4607 27.46.4608 27.46.5371	25.4	1”	1	
4		25° Stanchion mounting	LHS - 4 - LED - 1 LHS - 4 - LED - 2 LHS - 4 - LED - 3 LHS - 4 - LED - 4 LHS - 4 - LED - 5 LHS - 4 - LED - 6 LHS - 4 - LED - 7 LHS - 4 - LED - 8 LHS - 4 - LED - 9 LHS - 4 - LED -10	27.46.4466 27.46.4467 27.46.4468 27.46.4469 27.46.4470 27.46.4609 27.46.4610 27.46.4611 27.46.4612 27.46.5372	31.8	1 1/4”	1	
			LHS - 5 - LED - 1 LHS - 5 - LED - 2 LHS - 5 - LED - 3 LHS - 5 - LED - 4 LHS - 5 - LED - 5 LHS - 5 - LED - 6 LHS - 5 - LED - 7 LHS - 5 - LED - 8 LHS - 5 - LED - 9 LHS - 5 - LED -10	27.46.4471 27.46.4472 27.46.4473 27.46.4474 27.46.4475 27.46.4613 27.46.4614 27.46.4615 27.46.4616 27.46.5373	38.1	1 1/2”	1	
5		Montaje a poste 90° 90° Stanchion mounting	LHS1 - 4 - LED - 1 LHS1 - 4 - LED - 2 LHS1 - 4 - LED - 3 LHS1 - 4 - LED - 4 LHS1 - 4 - LED - 5 LHS1 - 4 - LED - 6 LHS1 - 4 - LED - 7 LHS1 - 4 - LED - 8 LHS1 - 4 - LED - 9 LHS1 - 4 - LED -10	27.46.4476 27.46.4477 27.46.4478 27.46.4479 27.46.4480 27.46.4617 27.46.4618 27.46.4619 27.46.4620 27.46.5374	31.8	1 1/4”	1	
			LHS1 - 5 - LED - 1 LHS1 - 5 - LED - 2 LHS1 - 5 - LED - 3 LHS1 - 5 - LED - 4 LHS1 - 5 - LED - 5 LHS1 - 5 - LED - 6 LHS1 - 5 - LED - 7 LHS1 - 5 - LED - 8 LHS1 - 5 - LED - 9 LHS1 - 5 - LED -10	27.46.4481 27.46.4482 27.46.4483 27.46.4484 27.46.4485 27.46.4621 27.46.4622 27.46.4623 27.46.4624 27.46.5375	38.1	1 1/2”	1	

Expediente ☐ Control ☐ Embarques ☐ Almacén ☐ Producción ☐

Ing. de Ventas **Cliente**