DM / DMW Industrial Fixtures, Fiberglass Housing

USA/Canada/Mexico - Industrieleuchten mit Glasfibergehäuse

6571 01

Enclosed Industrials, Fiberglass Housing

Industrials

DM DMW

Catalog Number

Series DM Damp location DMW Wet location For tandem double-length unit, add prefix T. Example: TDM

Lamp type

32 32W T8 (48") 40 40W T12 (48") 48 38W Slimline (48")

48HO 60W 800mA (48") **96** 75W Slimline (96")

96HO 110W 800mA (96") **96T8** 59W T8 Slimline (96") **96T8HO** 86W T8 380mA (96")

Diffuser type

(blank) Acrylic, 15% DR

AR High-impact acrylic,
50% DR

DP Deep acrylic, 15% DR ²ARDP Deep high-impact acrylic, 50% DR ²

Voltage Options³

Example: **DM 2 96 120 ES**

120, 277, 347
Others available.

For options and accessories, see below and page 78.

Number of lamps

1, 2, 3 ¹ Not included.

Accessories (Order as separate catalog numbers.)

Catalog	
Nlumbar	

WIF

Number Description

BCD Mounting bracket to chain-hang DM/DMW. (2 per package. Excludes chain.)

HC Wire hook and 36" chain set (2 per package)

Field-installable wet location fittings to stem-hang DMW on ½" rigid conduit (2 per package). For factory-installed fittings on top, order WLF as option.

	PRODUCT AVAILABILITY										
Series	Lamps per Cross Section	Lamps per Fixture	Lamp Type	Width in.(cm)	Depth in.(cm)	Length in.(cm)					
DM, DMW	$1, 2, 3^3$	1, 2, 3	32,40	7%(18.4)	43/4 (9.5)	50 (127.0)					
DM,DMW	1,2	1,2	48, 48HO	7%(18.4)	5%(13.3)	50 (127.0)					
DM,DMW (DP or ARDP)	1, 2, 33	1,2,3	32,40	7%(18.4)	5%(13.3)	50(127.0)					
TDM,TDMW	1,2	2,4	32, 40, 48, 48HO	7%(18.4)	5%(13.3)	98 (248.9)					
DM,DMW	1,2	1,2	96,96HO, 96T8,96T8HO	7%(18.4)	5%(13.3)	98 (248.9)					

Features

Impact-resistant, UV-resistant, fiberglass reinforced polyester housing.

DM is UL listed for damp locations, DMW is UL listed for wet locations (as shown in photo above).

Wet location fittings on ends standard on DMW.

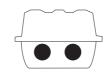
Acrylic diffuser standard. For optional highimpact clear diffuser, specify AR diffuser.

For surface, stem or chain mounting.

Diffuser secured to fully gasketed housing by six captive latches on 4' fixture, 10 latches on 8' fixture.

NOTES:

- 1 32W T8 lamps available on 3-lamp models only
- Deep lens is standard on 4' slimline, HO (800mA) and 8' fixtures. To match deep appearance on 4' rapid start, order DP or ARDP option.
- 3 Cold weather ballasts (CW or CW20) for use at 40°F ambient temperature or below.





USA/Canada/Mexico - Industrieleuchten mit Glasfibergehäuse

FEATURES

- Damp location (DM) or wet location (DMW) enclosed and gasketed fixtures.
- 4' versions also available in tandem-wired 8' lengths.
- Impact-resistant, UV-resistant, reinforced polyester fiberglass housing.
- Shatter-resistant 15% DR acrylic diffuser standard, high-impact 50% DR acrylic diffuser optional.
- Poured-in gasketing provides a continuous seal between housing and diffuser.
- Diffuser secured to fully-gasketed housing by captive, corrosion-resistant, cam-action latches; six provided on 4' units, 10 on 8' units.
- For unit or row installation, surface or suspended mounting.
- Guaranteed for one year against mechanical defects in manufacture.

SPECIFICATIONS

BALLAST — Thermally-protected, resetting, Class P, HPF, non-PCB, UL-listed, CSA-certified ballast is standard. Rapid start lamps are sound rated A. Standard combinations are CBM approved and conform to UL 935.

WIRING & ELECTRICAL — Fixture conforms to UL 1570 and is suitable for damp locations (DM). DMW listed for mounting in wet locations. AWM, TFN or THHN wire used throughout, rated for required temperatures.

MATERIALS — Housing formed from reinforced polyester fiberglass with cold-rolled steel enclosed wireway. No asbestos is used in this product.

FINISH — Five-stage iron-phosphate pretreatment ensures superior paint adhesion and rust resistance. Painted parts finished with high-gloss, baked white enamel.

LISTING — UL listed and labeled. Listed and labeled to comply with Canadian and Mexican Standards (see options).

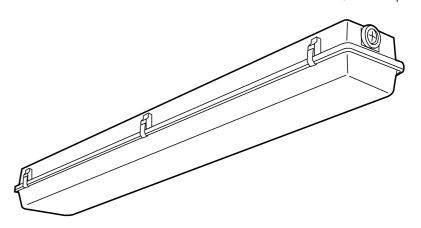
Specifications subject to change without notice.

Enclosed and Gasketed Industrial

DM/DMW

Rapid Start

4' length 1, 2 or 3 lamps



DMW 2 40 shown

PHOTOMETRICS

Calculated using the zonal cavity method in accordance with IESNA LM41 procedure. Floor reflectances are 20%. Lamp configurations shown are typical. Full photometric data on these and other configurations available upon request.

DM/DMW 1 40 Report LTL 4148 S/MH (along) 1.2 (across) 1.6 Coefficient of Utilization Ceiling Wall 70% 50% 50% 30% 50% 30% 10% 81 76 72 74 70 66 55 46 65 57 70 63 63 55 57 48 59 52 50 42 2 72 59 49 66 42 58 41 46 40 35 60 50 48 43 42 34 29 18

59.8

93.6

6.4

100.0

	10	36	25	19	35	25	18		
Zonal Lumens Summary									
	Zone	Lu	ımens	%Lam	р 9	%Fixtur	e		
	0-30		447	14.2		18.3			
	0.40		750	2/1		21 1			

46.3

72.4

5.0

1459

2282

157

DM/DMW 2 40 Report LTL 4147 S/MH (along) 1.3 (across) 1.5 Coefficient of Utilization

Ceiling		80%			70%			50%	
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
1	72	68	65	70	66	63	63	60	58
2	65	59	54	63	57	53	54	50	47
3	59	52	46	57	50	45	47	43	39
4	54	45	39	52	44	38	42	37	33
5	49	40	33	47	39	33	37	32	28
10	33	23	17	31	23	17	22	17	13

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	869	13.8	20.3
0-40	1476	23.4	34.4
0-60	2789	44.3	65.0
0-90	4020	63.8	93.7
90-180	272	4.3	6.3
0-180	4293	68.1	100.0

DM/DMW 2 32 Report LTL 5583 S/MH (along) 1.3 (across) 1.6 Coefficient of Utilization

Ceiling		80%			70%			50%		
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%	
1	82	78	74	80	76	72	71	69	66	
2	74	67	61	72	65	60	61	57	53	
3	67	58	52	65	57	51	54	48	44	
4	61	51	44	59	50	43	47	42	37	
5	56	45	38	54	44	37	42	36	31	
10	37	26	19	36	25	19	24	19	15	

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	884	15.2	19.5
0-40	1511	26.0	33.4
0-60	2883	49.7	63.7
0-90	4260	73.4	94.1
90-180	268	4.6	5.9
0-180	4528	78.1	100.0

0-60

0-90

90-180

0 - 180

DM/DMW Rapid Start

MOUNTING DATA

For unit or row installation, surface (ceiling or wall) or suspended

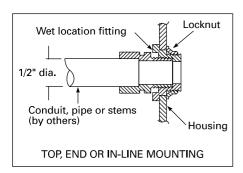
DM/DMW — Drill holes through housing and channel at appropriate locations.

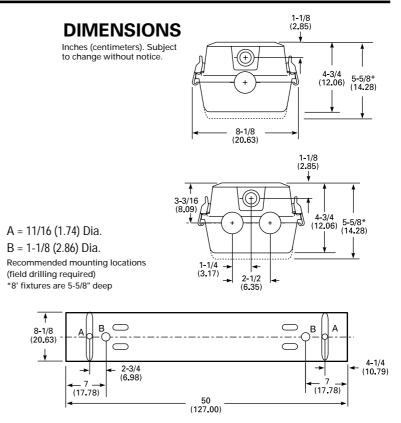
DMW — Includes gasketed wet location fittings on ends for power feeding/mounting. Fitting is threaded for 1/2" rigid conduit (optional WLF for top mounting). Attach to surface using fasteners and sealing washers (by others) appropriate to ceiling materials.

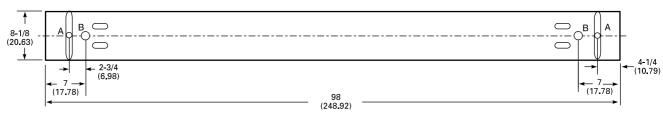
Unit installation — Minimum of two hangers required.

Row installation — Minimum of two hangers required. Recommend 1/2" nipple with union (by others) for DMW.

See ACCESSORIES below for hanging devices.







ORDERING INFORMATION

Lamp type Series Number of Voltage lamps 32W T8 (48") **DM** Damp location 120, 277, 347 ES 1, 2, 31 40W T12 (48") **DMW** Wet location Others available CW

Not included For tandem doublelength unit, add prefix T. Example: **TDM**

Accessories

Order as separate catalog numbers. Swivel-stem hanger (specify length in 2"

Ceiling spacer (adjusts from 1-1/2" to 2-1/2" from ceiling).

BCD Bracket for HC mounting. 2 per package.

Chain hangers (1 pair, 36" long). Requires HC36

WLF Wet location fittings (1 pair, not installed)

(blank) Acrylic(15% DR)

Diffuser

AR High-impact acrylic (50% DR)

Deep acrylic²

ARDP Deep high-impact acrylic2

Notes

1 32W T8 lamps only.

2 Deep lens is standard on 8' fixtures.

3 Not recommended for use in ambient temperatures exceeding 40°F

4 Available only with 32 lamp type

5 Available with only 32 and 40 lamp types

Example: DMW 2 40 120 ES GLR

Energy-saving ballasts (40W lamps only). Cold-weather ballasts, 0°F starting.3 GEB Electronic ballasts, ≤20% THD. GEB10IS Electronic ballasts, ≤10% THD, Instant Start.4 GEB10RS Electronic ballasts, ≤10% THD, Rapid Start.⁵ GI R Internal fast-blow fuse **GMF** Internal slow-blow fuse. RIF1 Radio interference filter, 1 per fixture. STSL Stainless steel latches. Listed and labeled to comply with Canadian CSA Standards.

Options

NOM Listed and labeled to comply with Mexican Standards

WLF Wet location fittings (1 pair, installed in fixture (aot

SW Palletized and stretch-wrapped

FEATURES

- Damp location (DM) or wet location (DMW) enclosed and gasketed fixtures.
- 4' versions also available in tandem-wired 8' lengths.
- Impact-resistant, UV-resistant, reinforced polyester fiberglass housing.
- Shatter-resistant 15% DR acrylic diffuser standard, high-impact 50% DR acrylic diffuser optional..
- Poured-in gasketing provides a continuous seal between housing and diffuser.
- Diffuser secured to fully-gasketed housing by captive, corrosion-resistant cam-action latches, six provided on 4' units, 10 on 8' units.
- For unit or row installation, surface or suspended mounting.
- Guaranteed for one year against mechanical defects in manufacture.

SPECIFICATIONS

BALLAST — Thermally protected, resetting, Class P, HPF, non-PCB, UL listed, CSA-certified ballast is standard. Magnetic ballasts are sound rated C. Standard combinations are CBM approved and conform to UL 935.

WIRING & ELECTRICAL — Fixture conforms to UL 1570 and is suitable for damp locations (DM). DMW listed for mounting in wet locations. AWM, TFN or THHN wire used throughout, rated for required temperatures.

MATERIALS — Housing formed from reinforced polyester fiberglass with cold-rolled steel wireway. No asbestos is used in this product.

FINISH — Five-stage iron-phosphate pretreatment ensures superior paint adhesion and rust resistance. Painted parts finished with high-gloss, baked white enamel.

LISTING — UL listed and labeled. Listed and labeled to comply with Canadian and Mexican Standards (see options).

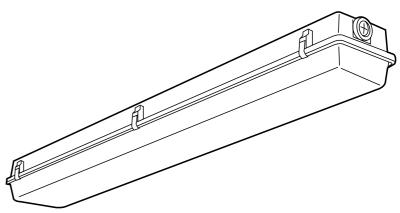
Specifications subject to change without notice.

Enclosed and Gasketed Industrial

DM/DMW

Slimline

4' or 8' length 1 or 2 lamps



DMW 2 48 shown

PHOTOMETRICS

Calculated using the zonal cavity method in accordance with IESNA LM41 procedure. Floor reflectances are 20%. Lamp configurations shown are typical. Full photometric data on these and other configurations available upon request.

DM/DMW 1 48

Report LTL 4192 S/MH (along) 1.2 (across) 1.5 Coefficient of Utilization

Ceiling		80%			70%			50%	
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
1	82	77	73	79	74	70	69	65	62
2	74	66	60	70	63	58	58	54	49
3	67	58	50	64	55	49	51	45	41
4	61	51	43	58	49	42	45	39	34
5	55	44	37	53	43	35	39	33	29
10	37	26	19	35	25	19	23	18	14

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	396	13.2	16.4
0-40	667	22.2	27.6
0-60	1274	42.5	52.6
0-90	2047	68.2	84.6
90-180	372	12.4	15.4
0-180	2420	80.7	100.0

DM/DMW 2 96 Report LTL 4771 S/MH (along) 1.2 (across) 1.5 Coefficient of Utilization

Celling		00 /0			1070			JU /0	
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
1	78	74	70	75	71	68	66	63	61
2	70	64	58	67	61	56	57	53	49
3	64	56	49	61	54	48	50	45	41
4	58	49	42	56	47	41	44	38	34
5	53	43	36	51	41	35	39	33	29
10	35	25	19	34	24	18	23	17	14

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1691	13.4	17.8
0-40	2872	22.8	30.3
0-60	5521	43.8	58.2
0-90	8213	65.2	86.6
90-180	1272	10.1	13.4
0-180	9486	75.3	100.0

DM/DMW 2 48 Report LTL 4188 S/MH (along) 1.2 (across) 1.5 Coefficient of Utilization

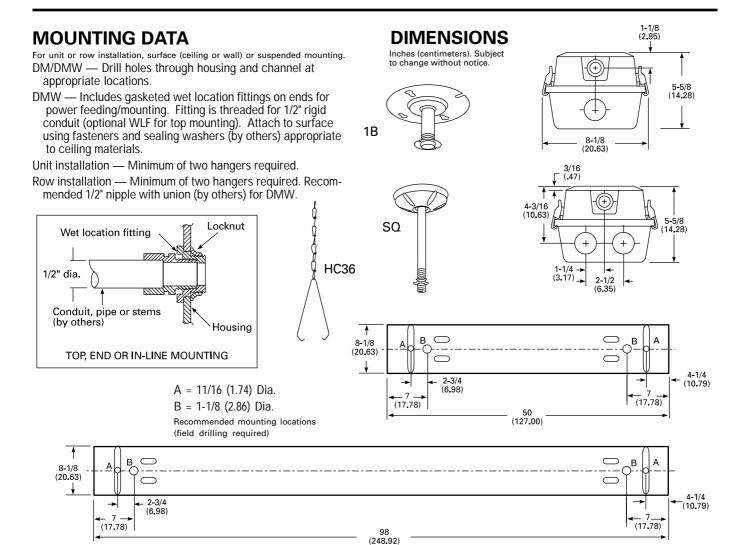
Ceiling		80%			70%			50%	
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
1	78	74	70	75	71	68	66	63	61
2	70	64	58	67	61	56	57	53	49
3	64	56	49	61	54	48	50	45	41
4	58	49	42	56	47	41	44	38	34
5	53	43	36	51	41	35	39	33	29
10	35	25	19	34	24	18	23	17	14

Zonal Lumens Summary

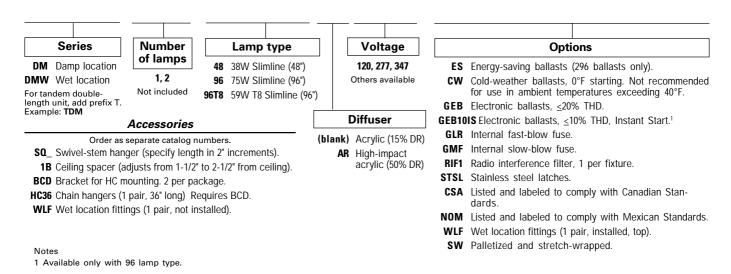
Zone	Lumens	%Lamp	%Fixture
0-30	805	13.4	17.8
0-40	1368	22.8	30.3
0-60	2629	43.8	58.2
0-90	3911	65.2	86.6
90-180	606	10.1	13.4
0-180	4517	75.3	100.0



DM/DMW Slimline



ORDERING INFORMATION



Example: **DMW 2 48 120 GLR**



FEATURES

- · Damp location (DM) or wet location (DMW) enclosed and gasketed fixtures.
- 4' versions also available in tandem-wired 8' lengths.
- · Impact-resistant, UV-resistant, reinforced polyester fiberglass housing
- Shatter-resistant 15% DR acrylic diffuser standard, high-impact 50% DR acrylic diffuser optional.
- · Poured-in gasketing provides a continuous seal between housing and diffuser.
- · Diffuser secured to housing by captive, corrosionresistant cam-action latches, six provided on 4' units, 10 on 8' units.
- For unit or row installation, suspended mounting
- · Guaranteed for one year against mechanical defects in manufacture.

SPECIFICATIONS

BALLAST — Thermally protected, resetting, Class P, HPF, non-PCB, UL listed, CSA-certified ballast is standard. Magnetic ballasts are sound rated C. Standard combinations are CBM approved and conform to UL 935.

WIRING & ELECTRICAL — Fixture conforms to UL 1570 and is suitable for damp locations (DM). DMW listed for mounting in wet locations. AWM, TFN or THHN wire used throughout, rated for required temperatures.

MATERIALS — Housing formed from reinforced polyester fiberglass with cold-rolled steel enclosed wireway. No asbestos is used in this prod-

FINISH — Five-stage iron-phosphate pretreatment ensures superior paint adhesion and rust resistance. Painted parts finished with high-gloss, baked white enamel.

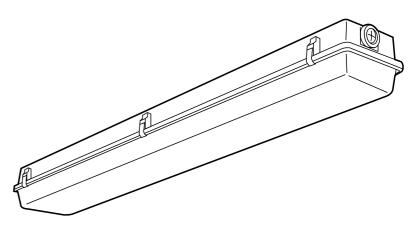
LISTING — UL listed and labeled. Listed and labeled to comply with Canadian and Mexican Standards (see options).

Specifications subject to change without notice.

Enclosed and Gasketed Industrial DM/DMV

High Output

4' or 8' length 1 or 2 lamps



DMW 2 48HO shown

50%

PHOTOMETRICS

Calculated using the zonal cavity method in accordance with IESNA LM41 procedure. Floor reflectances are 20%. Lamp configurations shown are typical. Full photometric data on these and other configurations available upon request.

DM/DMW 1 48HO Report LTL 4190 S/MH (along) 1.3 (across) 1.5 Coefficient of Utilization

			• • • • • • • • • • • • • • • • • • • •						
Ceiling		80%			70%			50%	
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
1	82	77	73	78	74	70	67	64	61
2	73	66	60	70	63	57	58	53	49
3	67	57	50	63	55	49	50	45	41
4	61	51	43	58	48	42	44	39	34
5	55	44	37	52	43	35	39	33	29
10	27	26	10	35	25	10	23	17	1/

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	553	12.9	16.0
0-40	932	21.7	27.0
0-60	1783	41.5	51.7
0-90	2784	64.7	80.8
90-180	663	15.4	19.2
0-180	3447	80.2	100.0
0-90 90-180	2784 663	64.7 15.4	80.8 19.2

DM/DMW 2 96HO Report L 4215 S/MH (along) 1.2 (across) 1.6 Coefficient of Utilization

Ceiling		80%			70%			50%	
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
1	68	64	61	65	62	59	57	55	53
2	61	55	50	58	53	49	49	45	42
3	56	48	43	53	46	41	43	39	35
4	51	42	36	48	41	35	38	33	30
5	46	37	31	44	36	30	33	28	25
10	31	21	16	29	21	16	19	15	12

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture		
0-30	2112	11.5	17.5		
0-40	3587	19.5	29.7		
0-60	6904	37.5	57.2		
0-90	10301	56.0	85.3		
90-180	1772	9.6	14.7		
0-180	12073	65.6	100.0		

DM/DMW 2 48HO Report L 4189 S/MH (along) 1.2 (across) 1.5 **Coefficient of Utilization**

Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
1	69	65	62	66	62	59	58	55	53
2	62	56	51	59	54	49	50	46	43
3	56	49	43	54	47	42	44	39	36
4	51	43	37	49	41	36	38	34	30
5	47	38	32	44	36	31	34	29	25
10	31	22	16	30	21	16	20	15	12

Zonal Lumens Summary

80%

Ceiling

Zone	Lumens	%Lamp	%Fixture		
0-30	1002	11.7	17.6		
0-40	1697	19.7	29.8		
0-60	3249	37.8	57.0		
0-90	4790	55.7	84.0		
90-180	912	10.6	16.0		
0-180	5702	66.3	100.0		

DM/DMW High Output

MOUNTING DATA

For unit or row installation or suspended mounting

DM/DMW — Drill holes through housing and channel at appropriate locations.

DMW — Includes gasketed wet location fittings on ends for power feeding/mounting. Fitting is threaded for 1/2" rigid conduit (optional WLF for top mounting). Attach to surface using fasteners and sealing washers (by others) appropriate to ceiling materials.

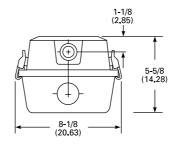
Unit installation — Minimum of two hangers required.

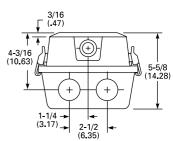
Row installation — Minimum of two hangers required. Recommended 1/2" nipple with union (by others) for DMW.

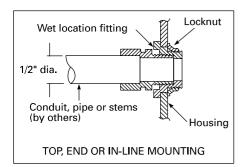
See ACCESSORIES below for hanging devices

DIMENSIONS

Inches (centimeters). Subject to change without notice.

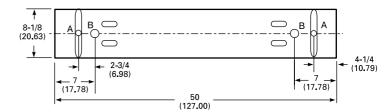


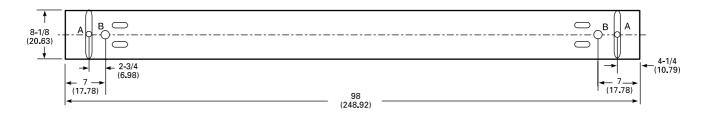




A = 11/16 (1.74) Dia. B = 1-1/8 (2.86) Dia.

Recommended mounting locations (field drilling required)





ORDERING INFORMATION

Example: DMW 2 96HO 120 ES CW20 GLR

Options



length unit, add prefix T Example: **TDM**

Number of lamps

1.2 Not included

48HO 60W 800mA (48") 96HO 110W 800mA (96") 96HOT8 86W T8 380mA (96")

HO ballasts not recommended for use in ambient temperatures exceeding 40° F.

Lamp type

Diffuser

(blank) Acrvlic (15% DR)

High-impact acrylic (50% DR)



120, 277, 347 Others available

FS Energy-saving ballasts (296HO ballasts only)

CW20 Cold-weather ballasts, -20°F starting. (Required). **GFR**

Electronic ballasts, ≤20% THD. Electronic ballasts, ≤10% THD, Rapid **GEB10RS**

GI R Internal fast-blow fuse. **GMF** Internal slow-blow fuse.

RIF1 Radio interference filter, 1 per fixture.

STSL Stainless steel latches

CSA Listed and labeled to comply with Canadian Standards Listed and labeled to comply with NOM

Mexican Standards

WLF Wet location fittings (1 pair, installed

SW Palletized and stretch-wrapped

Accessories

Order as separate catalog numbers.

SQ_ Swivel-stem hanger (specify length in 2" increments).

1B Ceiling spacer (adjusts from 1-1/2" to 2-1/2" from ceiling).

BCD Bracket for HC mounting. 2 per package.

HC36 Chain hangers (1 pair, 36" long). Requires BCD.

WLF Wet location fittings (1 pair, not installed).

Notes

1 Available only with 96HO lamp type