

Hazlux 3 LED - GEN. 2

LED Hazardous Area Lighting



Class I Division 2, Groups A, B, C and D
Class II Zone 2, Groups IIC, IIB, IIA
Class III Division I and 2, Groups E, F and G*
 - NEMA-4X
 - UL844
 - CSA C22.2 No 137

*Contact your Thomas&Betts sales representatives to verify classification



* Not all models are DLC qualified.

For all exact qualified models, please visit: www.designlights.org/qpl

Simultaneous Class I Division 2 and Class II

Features

- Faster and easier installation with simple hinge arrangement that permits "hands-free" wiring
- Instant-on / instant restrike
- 5000K CCT and 70 CRI standard**
- Standard dimming 0-10Vdc
- Exceptional energy efficient LED technology reduces maintenance and prevents downtimes
- Rated for extreme temperature ranges (-40°C to 55°C) or (-40°C to 40°C) depending on model
- Retrofits into existing Hazlux® 3 applications
- ** For other CCT, please contact factory.

Construction

- Cast, copper-free aluminum construction for high strength, light weight and corrosion resistance
- The paint used in our standard finish is baked, electro-deposited, pure epoxy powder
- All exposed hardware is corrosion-resistant stainless steel

Electrical

- AC input: 120 to 277Vac 50/60Hz; 347 / 480Vac 50/60Hz
- Soft-start; high power factor: 0.91
- Total harmonic distortions (THD) max. 14%
- Protection: AC over-voltage; over-temperature; load short-circuit

Options

- Selection of optical assemblies: Thermal Resistant Glass Globe, Glass Refractor Globe (type I, III and V) and CUT reflector
- Internal mini-reflectors available to offer 35°, 45° or 65° beam angle
- Guard options include polymeric or cast guards
- Selection of Mounting Styles: Includes pendant, wall or ceiling mounts and stanchions
- HazCote® custom anti-corrosion coating options. Please consult factory

Performance

Model	AC Power (W)	Lumen	Lm/W
DL005	37	5,600	151
DL007	48	7,500	156
DL010	74	10,500	142
DL015	103	15,800	153
DL017	115	17,300	150
DL020	138	20,100	145

Temperature Codes

Models with Glass Globe	Ambient temperature	Class I Zone 2 Groups IIC, IIB, IIA	Class I Division 2 Groups A,B,C,D	Class II Groups E, F, G	Simultaneous Class I Div.2 & Class II
DL005, DL007, DL010	40°C	T5	T5	T6	T5
	55°C	T4	T4A	T6	T4A
DL005, DL007, DL010 with internal reflector I3, I4, I6	40°C	T4	T4A	T6	T4A
DL015, DL017, DL020	40°C	T4	T4A	T4A	T4A

Models with optics type CUT	Ambient temperature	Class I Zone 2 Groups IIC, IIB, IIA	Class I Division 2 Groups A,B,C,D	Class II Div.2	Simultaneous Class I Div.2 & Class II
DL005, DL007, DL010	40°C	T5	T5	T5	T5
	55°C	T4	T4A	T4A	T4A
DL015, DL017, DL020	40°C	T4	T4A	T4A	T4A

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Type: _____
Catalog #: _____
Notes: _____

Safety Technology

Catalog Ordering Number System

UNIPAK™

LED Driver Tank + Optics and Mountings
+ Options
(If necessary)

LED Driver Tank					
DL	0	10	E	UN	0
1	2	3	4	5	6

Optics & Mounting			
TG	C	C2	E
7	8	9	10

Options		
T	I6	Blank
11	12	13

1 Fixture Series DL= Hazlux® Lighting Fixture	8 Guard Option Blank= No Guard C= Cast Aluminum Guard L= Polymeric Guard
2 Fixture 0= Standard Fixture	9 Mounting Style A2= 3/4" Cone-Top Pendant A3= 1" Cone-Top Pendant B2= 3/4" Wall Mount B3= 1" Wall Mount C2= 3/4" Ceiling or Pendant C3= 1" Ceiling or Pendant L4= 1-1/4" Straight Stanchion L5= 1-1/2" Straight Stanchion P2= 3/4" Rigid Pendant Mount P3= 1" Rigid Pendant Mount S4= 1-1/4" 25° Angle Stanchion S5= 1-1/2" 25° Angle Stanchion
3 Fixture Lumen Output 05= 5,600 lumens, 37W 07= 7,500 lumens, 48W 10= 10,500 lumens, 74W 15= 15,800 lumens, 103W 17= 17,300 lumens, 115W 20= 20,100 lumens, 138W	
4 Driver Circuit E= Electronic LED driver, dimming 0-10VDC	
5 Voltage / Frequency UN = Universal 120 to 277Vac, 50/60 Hz UN2 = Universal 347/480 Vac, 50/60 Hz	
6 LED Driver Housing Style 0= Standard Housing S= Standard Housing with stainless-steel insert	10 UNIPAK™ Options E= UNIPAK™ with LED lamp
7 Optical Assembly TG= Thermal Shock-Resistant Glass Globe R1 = Type I Glass Refractor Globe R3 = Type III Glass Refractor Globe R5 = Type V Glass Refractor Globe CUT= Cutoff, polycarbonate lens (Class II Div.2 F,G)	11 Special Options T= HazCote® Custom Anti-corrosion Coating (Consult Factory) G= Grey colour option 12 Light Distribution Options (Internal Reflectors with "TG" Glass Globe) Blank= Standard product I3= Internal Reflector 35° Beam Angle (DL005, DL007, DL010 only)* I4= Internal Reflector 45° Beam Angle (DL005, DL007, DL010 only)* I6= Interior Reflector 65° Beam Angle (DL005, DL007, DL010 only)* K= Special Kelvin Color Temperature (Consult Factory)
<i>* For silicone coating, add suffix "s" before the first digit. Example: STG</i>	<i>*To order with TG Globe</i> 13 Certification Blank= Canadian market - cUL U= U.S. Market - UL

Dimensions – Standard Housing with Globe and Guard

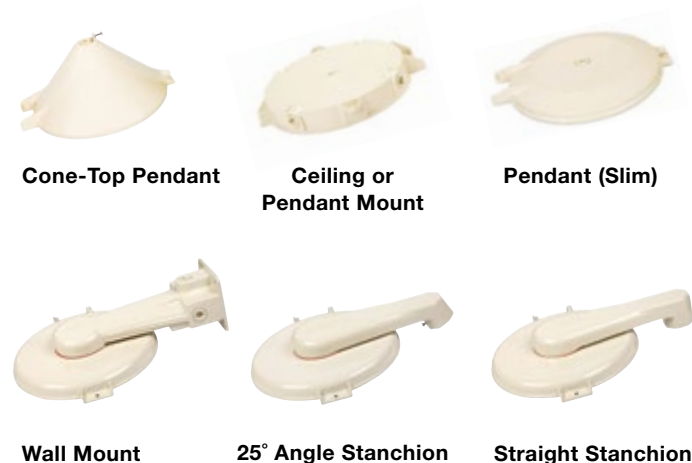
Cone-Top Pendant - A2, A3	Wall Mount - B2, B3	Ceiling/ Pendant Mount - C2, C3
Straight Stanchion - L4, L5	Pendant Mount - P2, P3	25° Angle Stanchion Mount - S4, S5

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Type: _____
 Catalog #: _____
 Notes: _____

Safety Technology

Mounting Options



CAT. NO.	DESCRIPTION	CONDUIT HUB SIZE
VA2	Cone-Top Pendant	3/4"
VA3	Cone-Top Pendant	1"
VC2	Ceiling Mount & Pendant Mount	3/4"
VC3	Ceiling Mount & Pendant Mount	1"
VB2-VIB	Wall Mount	3/4"
VB3-VIB	Wall Mount	1"
P2	Rigid Pendant	3/4"
P3	Rigid Pendant	1"
VS4-VIB	25° Angle Stanchion	1-1/4"
VS5-VIB	25° Angle Stanchion	1-1/2"
VL4-VIB	Straight Stanchion	1-1/4"
VL5-VIB	Straight Stanchion	1-1/2"

Note: For stainless steel inserts, please add SI to part no. (ex:VA2SI)

Globes or Refractors



CAT. NO.	DESCRIPTION
VGT15	Thermal Shock Prismatic Glass Globe
VGL15R1	IES Type I Refractor Globe
VGL15R3	IES Type III Refractor Globe
VGL15R5	IES Type V Refractor Globe
VR22CUT	Cut-off Polycarbonate Refractor*

* CID2, Class II Div.2, Groups F,G.

Note: For silicone coating, please add "TS" to part no. (ex: VGT15TS)



CUT

Guards



CAT. NO.	DESCRIPTION
VGU22	Die Cast Aluminum Guard
VGU22P	Polymeric Guard

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Type: _____
Catalog #: _____
Notes: _____

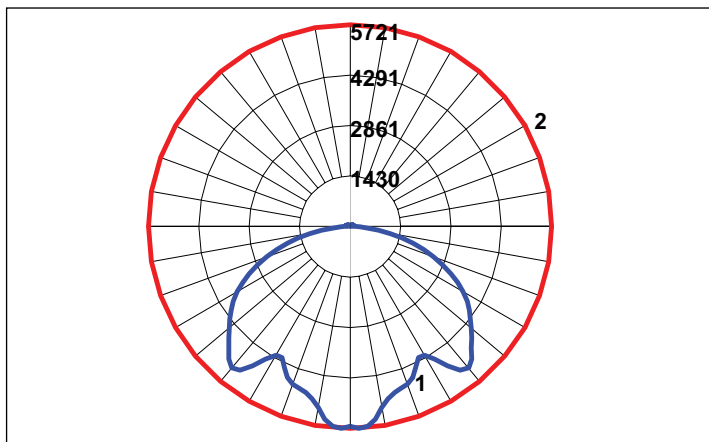
Safety Technology

Photometry - Standard Housing with TG Globe

(Description) Ceiling Mount	
Reference Date	
Catalogue No.	DL020EUN0TGC2
Luminaire Lumens	20,530
Luminaire Efficacy Rating (LER)	148
Input Watt	139.02
Spacing Criterion (0-180)	1.10
Spacing Criterion (90-270)	1.10
Spacing Criterion (Diagonale)	1.56



Polar Graph



Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixt
0-20	1914.55	N.A.	9.30
0-30	3956.56	N.A.	19.30
0-40	6975.21	N.A.	34.00
0-60	14426.74	N.A.	70.30
0-80	19481.99	N.A.	94.90
0-90	20092.14	N.A.	97.90
10-90	19565.29	N.A.	95.30
20-40	5060.66	N.A.	24.70
20-50	8827.32	N.A.	43.00
40-70	10559.55	N.A.	51.40
60-80	5055.25	N.A.	24.60
70-80	1947.23	N.A.	9.50
80-90	610.16	N.A.	3.00
90-110	205.47	N.A.	1.00
90-120	290.68	N.A.	1.40
90-130	363.68	N.A.	1.80
90-150	437.86	N.A.	2.10
90-180	437.86	N.A.	2.10
110-180	232.39	N.A.	1.10
0-180	20530.00	N.A.	100.00

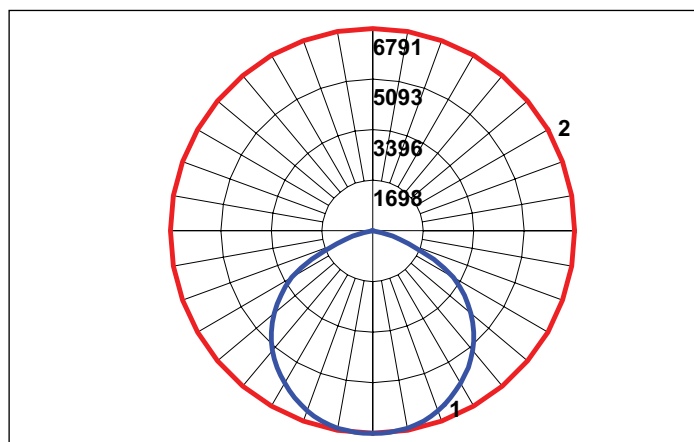
Note: Total Luminaire Efficiency= N.A. %

Photometry - Standard Housing with Cut-Off Refractor

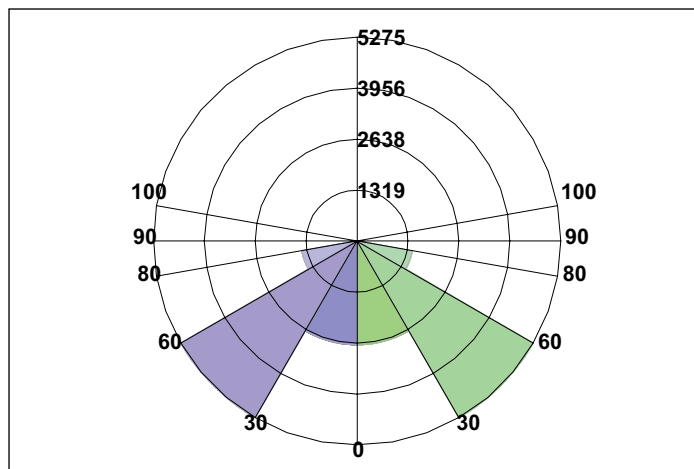
(Description) Ceiling Mount	
Reference Date	
Catalogue No.	DL020EUN0-CUTC2
Luminaire Lumens	18,841
Luminaire Efficacy Rating (LER)	136
Input Watt	138.8
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonale)	1.42



Polar Graph



Dark Sky



Zonal Lumen Summary

	Low	Medium	High	Very High
Front	2680.6	5275.2	1447.4	17.4
Back	2680.6	5275.2	1447.4	17.4
Uplight	0.0	—	0.0	—

BUG Rating: B4-U0-G1