



PRISMALUX - TP-EXP-LED57

HAZARDOUS
LOCATION*

LED

The Prismalus is ideal for rough service applications such as stairwells, tunnels and maintenance areas with low ceilings, particularly in the mining industry. The Prismalux EXP is rated Class 1, Div. 2, Groups B, C and D.

HOUSING Die-cast aluminum alloy (LM6M). The housing has a 1/2" threaded entry on both ends of the luminaire. One entry is plugged.

FRAME ASSEMBLY The lens frame is a die-cast aluminum alloy with a continuous neoprene gasket. This enables the fixture to be rated IP65. The lens is secured by four corner brackets and is sealed to the lens frame with a gasket. A stainless steel pin hinges the lens frame assembly to the housing, while a captive stainless steel screw secures the other end.

OPTICAL ASSEMBLY The aluminum reflector design, combined with the prismatic borosilicate lens, provides a precise and efficient optical performance.

DRIVER Integrated driver 120-277 volts. Total power consumed 20 watts.

LEDs Six LED arrays, each with 6 Cree LEDs, 4467 lumens out of the fixture, 3700k, CRI > 70. LEDs operating temperature is -40°C to 40°C.



FINISH Standard finish is black.

ACCESSORIES wire guard

OPERATING TEMPERATURE -40°C to 40°C

RATING Class 1, Div. 2, Groups B, C and D.

RATED IP65

WARRANTY 5 Years

MEETS LM-79, LM-80

APPROVALS Complies to CSA standards

Catalog Code

TS-EXP

TYPE

LED57W,

VOLTAGE

120-277, 347,

FINISH

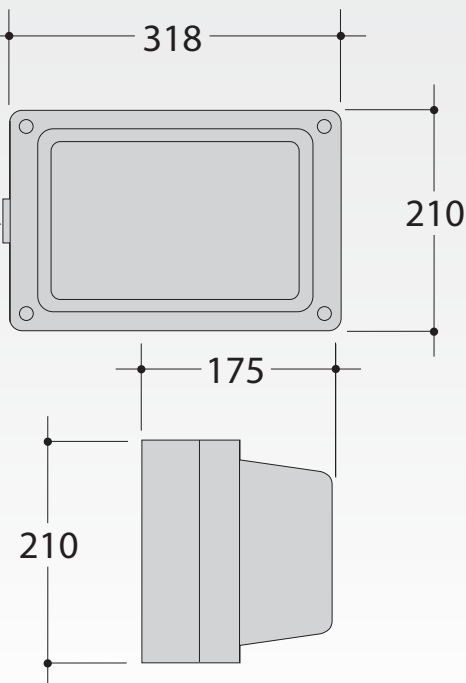
**BLK - BLACK
CC - CUSTOM COLOUR**

OPTION

WG - WIRE GUARD

Dimensions

1/2" TAPPED HOLE
AT EACH END.
EACH UNIT COMES
WITH ONE PLUG



CATALOG NUMBER: TS-exp-LED57W-120V

FILENAME: G606.IES

IESNA: LM-63-2002

[TEST] LSCG606

[TESTLAB] Lighting Sciences Canada Ltd.

[MANUFAC] RAB DESIGN LIGHTING INC.

[MORE] TORONTO, ONTARIO

[LUMCAT] TS-LED58W-120V

[LUMINAIRE] RAB DESIGN LED CEILING MOUNT LUMINAIRE

[MORE] WITH SEMI-SPECULAR REFLECTOR AND PRISMATIC LENS

[LAMP] SIX WHITE LED ARRAYS (SIX LEDS/ARRAY). LUMEN OUTPUT = 4467 LMS.

[OTHER] ABSOLUTE PHOTOMETRY

SUMMARY DATA

EFFICIENCY (Total): - 447124.1 %

EFFICIENCY (Downlight): - 426404.5 %

EFFICIENCY (Uplight): - 20719.5 %

CIE CLASSIFICATION: DIRECT

LUMENS/LAMP: -1

NO. OF LAMPS: 1

LUMINOUS OPENING: RECTANGULAR

Width: 0.58 (Feet)

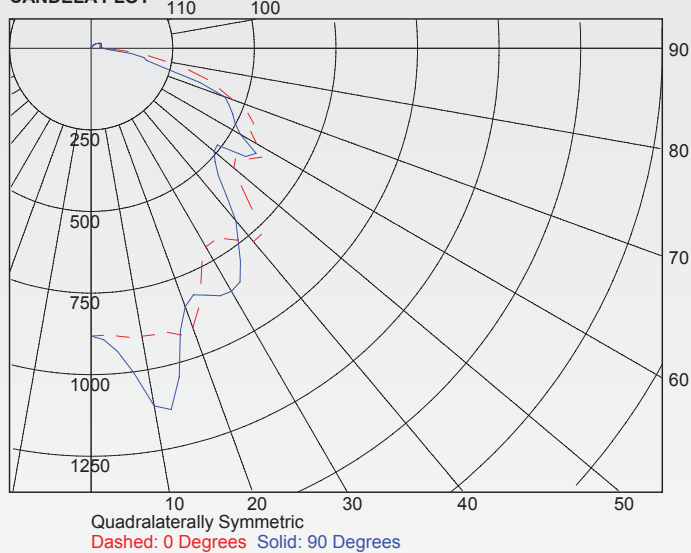
Length: 0.87

Height: 0.31

INPUT WATTS: 59.89

RP-1-93 VDT CONFORMANCE: NON-CONFORMING

CANDELA PLOT



ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Luminaire
0 - 30	813.4	-81339.2	18.2
0 - 40	1425.6	-142563.4	31.9
0 - 60	2880.0	-287998.0	64.4
60 - 90	1384.3	-138425.8	31.0
0 - 90	4264.2	-426423.8	95.4
90 - 180	207.2	-20719.9	4.6
0 - 180	4471.4	-447143.7	100.0

AVERAGE LUMINANCE (Candelas / Square Meter)

Angle	0	22.5	45	67.5	90
0	18814	18814	18814	18814	18814
45	15525	20377	21766	16803	10832
55	14567	17136	18815	17656	12212
65	15736	19817	18272	15885	11265
75	13089	15812	13184	9442	6330
85	5500	6273	5164	3700	2066