RAB® DESIGN

NITE HAWK - NTH-EXP

HAZARDOUS LOCATION* LED

The Nite Hawk is ideal for rough service applications such as stairwells, tunnels and maintenance areas with low ceilings, particularly in the mining industry. The Nite Hawk 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 is 20 watts.

LEDs Two LED arrays,each with 6 Cree LEDs, 1601 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 Approved to CSA standards.

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Catalog Code

NTH-EXP20W

120-277V

VOLTAGE

BLK- BLACK

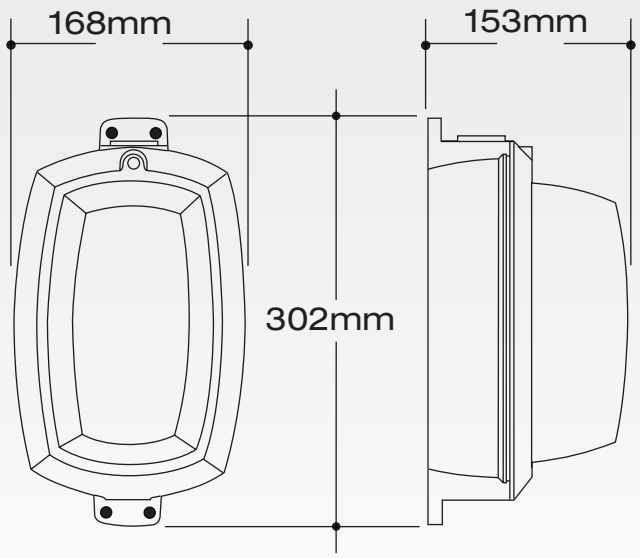
COLOUR

WG - WIRE GUARD*

OPTIONS

* Shipped separately

Dimensions



FIXING POINTS : 4 X 8mm dia. holes on 280 x 32mm centres

CATALOG NUMBER: NTH-LED-20W-120V
FILENAME: G728.IES
IESNA:LM-63-2002
[TEST] LSCG728
[TESTLAB] Lighting Sciences Canada Ltd.
[ISSUEDATE] 06-28-2013
[MANUFAC] RAB DESIGN LIGHTING INC.
[MORE] TORONTO, ONTARIO
[LUMCAT] NTH-LED-17W-120V
[LUMINAIRE] RAB DESIGN CEILING/WALL MOUNTED LED FIXTURE
[MORE] WITH PRISMATIC REFRACTOR
[LAMP] TWO LED ARRAYS WITH 6 WHITE LEDS EACH. LUMEN OUTPUT = 1601 LMS.

SUMMARY DATA

EFFICIENCY (Total):	- 160244.0 %
EFFICIENCY (Downlight):	- 156186.2 %
EFFICIENCY (Uplight):	- 4057.8 %
CIE CLASSIFICATION:	DIRECT
LUMENS/LAMP:	-1
NO. OF LAMPS:	1
LUMINOUS OPENING: RECTANGULAR	
Width:	0.33 (Feet)
Length:	0.60
Height:	0.22
INPUT WATTS:	19.77

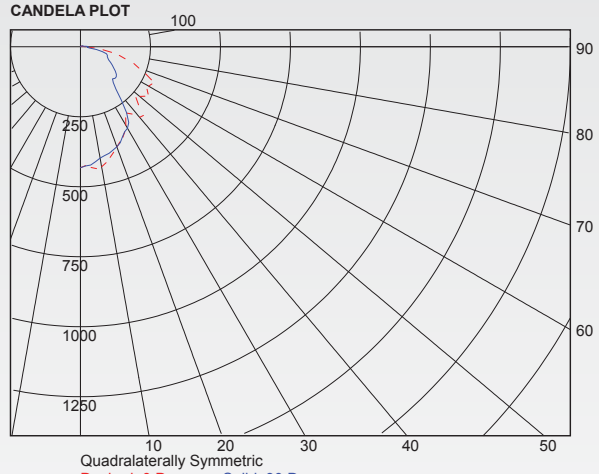
ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Luminaire
0 - 30	320.9	-32090.5	20.0
0 - 40	544.3	-54432.7	34.0
0 - 60	1094.4	-109435.4	68.3
60 - 90	467.6	-46757.6	29.2
0 - 90	1561.9	-156193.0	97.5
90 - 180	40.6	-4058.0	2.5
0 - 180	1602.5	-160251.0	100.0

AVERAGE LUMINANCE
(Candelas / Square Meter)

Angle	0	22.5	45	67.5	90
0	23485	23485	23485	23485	23485
45	16483	29568	17991	10900	7473
55	18351	21078	13636	10617	7380
65	20163	19576	10874	8635	5877
75	14633	14563	10201	7858	5781
85	5888	4085	2735	3557	1737

CANDELA PLOT



Quadralaterally Symmetric
Dashed: 0 Degrees Solid: 90 Degrees

COEFFICIENTS OF UTILIZATION
ZONAL CAVITY METHOD
EFFECTIVE FLOOR CAVITY REFLECTANCE = .20

CC WALL	80				70				50			30			10		0
	70	50	30	10	70	50	30	10	50	30	1050	30	10	50	30	10	0
RCR																	
0	1.18	1.18	1.18	1.18	1.15	1.15	1.15	1.15	1.10	1.10	1.1004	1.04	1.04	1.00	1.00	1.00	.97
1	1.07	1.02	.97	.93	1.04	.99	.95	.91	.94	.91	.8890	.87	.85	.86	.84	.82	.79
2	.97	.88	.81	.75	.94	.86	.79	.73	.82	.76	.7178	.74	.69	.75	.71	.67	.65
3	.87	.76	.68	.61	.85	.75	.67	.60	.71	.64	.5968	.62	.57	.65	.60	.56	.54
4	.80	.68	.58	.51	.78	.66	.58	.51	.63	.56	.5061	.54	.49	.58	.53	.48	.46
5	.73	.60	.50	.43	.71	.58	.49	.43	.56	.48	.4254	.47	.42	.51	.46	.41	.39
6	.67	.53	.44	.37	.65	.52	.43	.36	.50	.42	.3648	.41	.35	.46	.40	.35	.33
7	.61	.47	.38	.32	.59	.46	.37	.31	.44	.36	.3142	.35	.30	.41	.35	.30	.28
8	.57	.42	.34	.27	.55	.41	.33	.27	.40	.32	.2738	.31	.26	.37	.31	.26	.24
9	.52	.38	.30	.24	.51	.38	.29	.24	.36	.29	.2335	.28	.23	.34	.27	.22	.21
10	.48	.35	.26	.21	.47	.34	.26	.21	.33	.25	.2032	.25	.20	.31	.24	.20	.18

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