



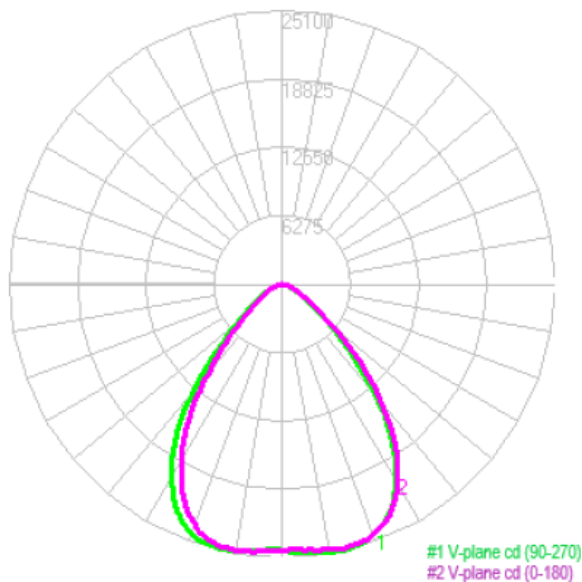








Luminance Distribution Chart



Horizontal FC
Mtg. Ht. = Grid = 30ft
.1 2 .5 1 2 5 10

Zone	Lumens	Zone	Lumens	Zone	Lumens	Zone	Lumens	Zone	Lumens	Zone	Lumens
0-10	2354.16	30-40	10405.4	60-70	1422.52	90-100	1.38	120-130	5.12	150-160	6.7
10-20	6989.14	40-50	6672.54	70-80	541.92	100-110	1.68	130-140	7.46	160-170	4.85
20-30	10365.8	50-60	3109.68	80-90	95.23	110-120	2.79	140-150	7.76	170-180	1.76



Project:	
Location:	
Model#: HBM30050K-UNV-BK	Type:
Client:	Qty:
Prepared by:	Date:

Co-efficient of Utilization

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RF	20				20				20			20			20			20
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	108	105	103	109	106	103	101	102	100	98	98	97	95	95	93	92	90
2	105	98	93	89	102	97	92	88	93	89	86	90	87	84	87	85	82	81
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48
8	70	59	51	46	69	58	51	46	57	51	46	56	50	46	55	49	46	44
9	66	54	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37

Initial Lumen Output: 41996

Beam Angle: 120 deg

Spacing Criteria: 1.32(0-180) 1.32(90-270)

Ambient Operating Temp: -40C to +40C

CCN Number: IFAM7.E359675

Efficacy: 140

Field Angle: 170 deg

Environmental Rating(s): IP65

Certification Standards: UL Safety US-CA
, DLC

Limited Product Warranty: 5 Year(s)

CBCP: 25,100 CD

Luminaire Type: Direct

UL Classification: Wet Location Listed

DLC Number: PM60BEHE

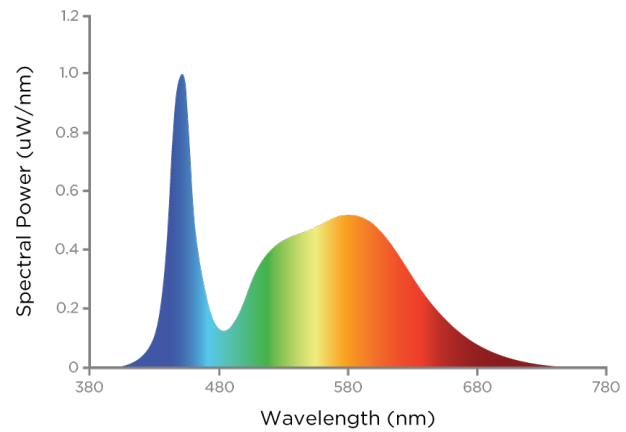
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LED SPECIFICATIONS

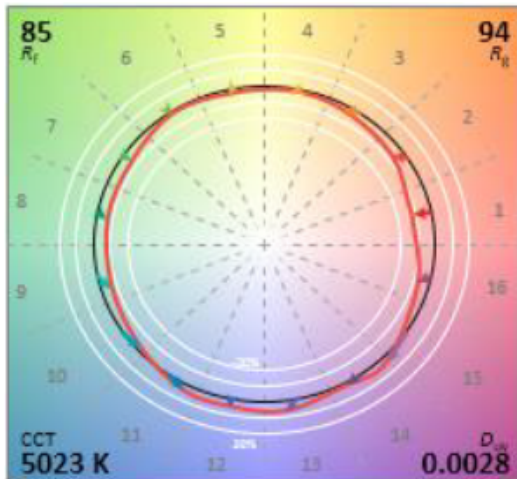
R Tables

R1	84	R9	15
R2	92	R10	80
R3	95	R11	82
R4	83	R12	64
R5	84	R13	86
R6	88	R14	98
R7	87	R15	78
R8	68	Ra	85

SPD



TM-30



Source Type: LED
CRI: >80
L70: >54,000 Hrs
Chromaticity: x=0.3439 y=0.3543

Manufacturer: Lumileds®
Rf: 84
L90: 50000

Part Number: L128
Rg: 96
Colour Temperature: 5000K



Project:	
Location:	
Model#: HBM30050K-UNV-BK	Type:
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Prepared by:	Date:

ELECTRICAL SPECIFICATIONS

Driver Manufacturer: Dongguan Towin Optoelectronic Co., Ltd.
Input Frequency: 50/60 Hz
Current Draw at 277Vac: 1.0830A
Power Factor at 120Vac: > 0.95
THD at 277Vac(%): < 20%
Surge Suppression: 6KV
Over Temperature Protection: Auto Reduction, when the case temperature is over 90C.

Driver Part Number: NI300W-125C2400
Fixture Draw: 300.54 W
Inrush Current: 50 A2S
Power Factor at 277Vac: > 0.95
Driver MTBF: 200,000 hrs.
Dimming: 0-10Vdc, (0% Min Light Level)
Short Circuit Protection: Auto Recovery.
The output shall return to normal when the fault condition is removed.

Input Voltage: 120-277Vac
Current Draw at 120Vac: 02.5000A
Max On-Delay: <1s
THD at 120Vac(%): < 20%
Max Operating Case Temperature: 90C
Dimming Current mA: 0.2
Driver Certifications: c-RU-us Class 2, FCC Part 15 Class B, RoHS

PHYSICAL SPECIFICATIONS

Finish Colour: Black
Mounting: 1/2" NPS Threaded fitting, Loop standard
Lens Type: Refractor

Finish Type: Textured powder coat over chromate conversion coat
Housing Material: Die-cast Aluminium
Weight: 3.2 kg

Wiring: 3M length, UL SJTW 18#/3C, -40 +105°C, 300V, Black
Lens Material: Polycarbonate

SHIPPING INFORMATION

OrderingCode(s): HBM30050K-UNV-BK
Box Weight: 5.73 kg

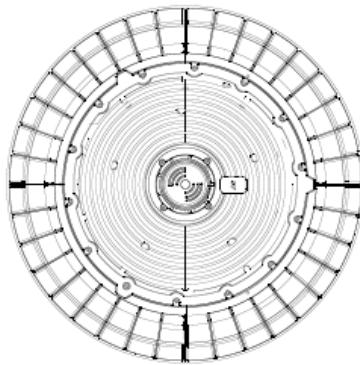
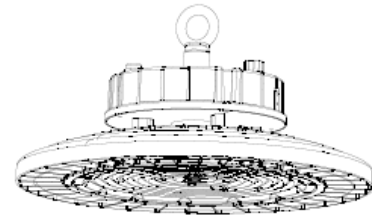
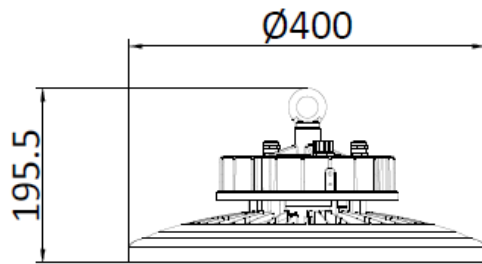
Box Quantity: 1

Box Dimensions (L-W-H): 395 x 395 x 200mm

Project:	
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LINE DRAWING

Line Drawings





Project:	
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Model#: HBM30050K-UNV-BK	Type:
Client:	Qty:
Prepared by:	Date:

SERIES ARCHITECTURE

Series Architecture

HBM	-	-	-	-	-	-	-	-	-
Part	Wattage		CCT		Voltage		Finish		
HBM	100	100W	40K	4000K	UNV	120-277VAC	BK	Black	
	150	150W	50K	5000K	UN4	277-480VAC			
	230	230W							
	300	300W							

Options	
HBM-REF	Refractor
HBM-ACR	Lense
HBM-YK-__BK	Yoke Mount (B, C, D) Sizing
HBM-HOOK	Mounting Hook with Safety Screw
HBM-PM	3/4" NPS Threaded Mount

Optional Extras: HBM-REF(Acrylic refractor), HBM-OC(Occupancy Sensor), HBM-OCREM(Occupancy sensor remote programmer), HBM-YK(Surface Mount Yoke), HBM-PM(3/4" NPT Adapter)