

Project:	Type:
Product Code:	Date:

V 093025



4" Downlighting

Optimized for Versatile Applications Brilliant illumination and reliable performance for your entire space

Brightness Switch Easily select level of illumination with the flip of a switch

True to Life Colors Accurate color rendering means every detail, finish, and person in your space appears exactly as it should

INSTALLATION

Ceiling Thickness

New Construction: 5/8"
Fire/Plenum Rated: 1/2" to 1 3/4"
Surface Frame: 0" up to 1 1/2"
Remodel: 5/8" up to 1 1/4"

Ceiling Material

Drywall

TRIMS

Aperture

4"

Style

Round, Square, Flush, Adjustable, Flangeless

Finish

White, Black

LIGHT OUTPUT & DISTRIBUTION

Module

Downlight

Lumens (Power)

Integrated Brightness Switch
350 lm (5W), 750 lm (9W), 950lm (12W)

Color Quality

90+ CRI, 3-step SDCM

Color Temperature

- 2700K
- 3000K
- Warm Dim (3000K – 2200K)

Beam Spread



Warranty

5 year limited warranty; 50,000 hours

POWER & CONTROLS

Input Voltage

120 V

Dimming

TRIAC/ELV (5%)

RATINGS & CERTIFICATIONS

Housing

- IC (Insulation Contact) Rated
- ASTM E283 Certified Air Tight
- RoHS Compliant
- Code Compliant for use in Fire Rated Assemblies up to a maximum of 2-hours (Option)

Module and Trim

- UL Listed for Wet Location (Adjustable Trim & Flangeless Damp Only)
- NSF Listed





DMF LightSpeed
Our Quickest Shipping Selections are Highlighted for shipping in **2 days or less**
All other items qty 100 or less ship in 3 days or less

H Series

4" Downlighting

PRODUCT BUILDER - EMBEDDED TRIAC/ELV

STANDARD HOUSINGS (POLYCARBONATE)

EXAMPLE: **H4BH**

PRODUCT CODE		APPLICATION	
H4			
H4	4" Housing	BH	Standard New Construction ¹
		RM	Remodel

¹ Barhangers allow horizontal adjustment for 8" - 24" joist spacing but no vertical adjustment

PLENUM RATED HOUSING OPTIONS (METAL)

PRODUCT CODE	
M4NCRS	New Construction Round Standard Housing ²
M4NCRF	New Construction Round Fire Rated Housing ²
F4NC	New Construction Fire Rated Shallow Junction Box ^{2,3}

ACCESSORIES (REQUIRED FOR PLENUM RATED HOUSINGS)

PRODUCT CODE	
DRD2X-QCM-HW	
DRD2X-QCM-HW	Hardwire Adaptor Cable ⁴

² Requires Accessory Adaptor: DRD2X-QCM-HW

³ Only compatible with Flush (H4TRFxx) trim

⁴ Required for installation in metal housings

H MODULE

EXAMPLE: **HM30**

PRODUCT CODE		CCT	
HM			
HM	90+ CRI General Ambient with Brightness Switch <i>Brightness Switch: 950 lm, 750 lm, or 350 lm</i>	27	2700K
		30	3000K
		3C	Warm Dim (3000K-2200K)

FLANGED TRIM

EXAMPLE: **H4TRSWH**

PRODUCT CODE		SHAPE		STYLE		FINISH	
H4T							
H4T	4" Trim	R	Round	S	Recessed	WH	White
		S	Square ⁵	F	Flush	BK	Black
				A	Adjustable ⁶		

⁵ Only available in Recessed style

⁶ Max tilt 40, damp listed only

FLANGELESS TRIM (INCLUDES MUDPLATE)

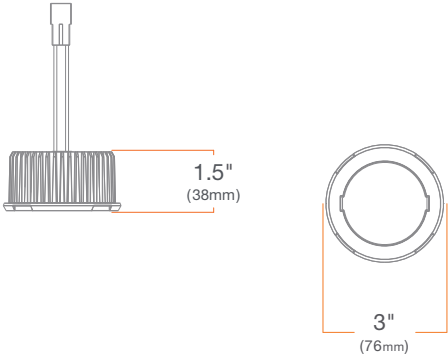
PRODUCT CODE		SHAPE		SIZE		FINISH		OPTION	
HCLT				4				FL	
HCLT	Trim	R	Round	4	4"	WH	White	FL	Flangeless
		S	Square			BK	Black		

HOUSING COMPATIBILITY

The H Series luminaire recessed housings (H4BH, H4RM) are UL Certified and intended for use with the H Series module (HM27, HM30, HM3C) or other certified 4" retrofit conversion kits (light source) that meet the following criteria: maximum height 3-3/8", maximum wattage 13W.



MODULE



SUMMARY

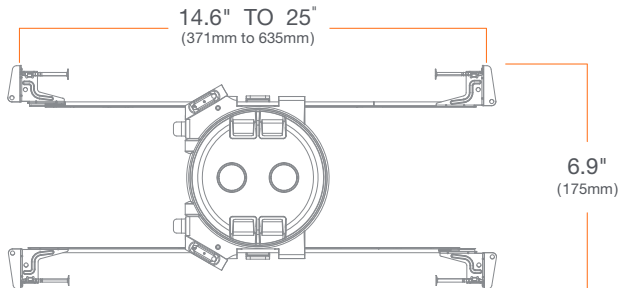
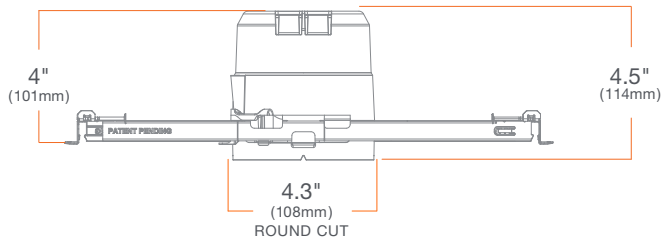
	STATIC CCT	WARM DIM
CCT	3000K, 2700K	3000K - 2200K
LUMENS (POWER)	Brightness Switch 350 lm (5W), 750 lm (9W), 950lm (12W)	Brightness Switch 350 lm (5W), 750 lm (9W), 950lm (12W)
EFFICACY	70 lm/W, 83 lm/W, 79 lm/W	70 lm/W, 83 lm/W, 79 lm/W
COLOR QUALITY	90+ CRI ¹ , 3-step SDCM	90+ CRI ¹ , 3-step SDCM
BEAM SPREAD	General Ambient (90°)	General Ambient (90°)
DIMMING	TRIAC/ELV (5%)	TRIAC/ELV (5%)
LED CHIP	Cree	Bridgelux
LISTINGS	ENERGY STAR® Qualified ² , California Title 24 2016-2022 JA8-E compliant, UL Listed for Wet Location, UL Certified US-CA, Declare, RoHS compliant, NSF/ANSI 2 listed, Suitable for splash-zone ³ , shatter-resistant construction	

¹ Tested in accordance to IESNA LM-79-2008
² Refer to ENERGY STAR Certified light fixtures database
³ This product is evaluated in accordance to NSF/ANSI 2 for Splash Zones having designated trim finishes.

ADDITIONAL

INPUT VOLTAGE: 120V, 50/60Hz	TOTAL HARMONIC DISTORTION: Less than 20%
MAX INPUT CURRENT (120V): 0.13 amps	AMBIENT OPERATING TEMPERATURE: -20°C to 40°C
CONNECTOR: PowerPlug® Luminaire Disconnect Model 182	WARRANTY: 5 year limited warranty; 50,000 hours at 70% lumen maintenance
POWER FACTOR: Greater than 0.9	

HOUSING



H Series

4" New Construction (Polycarbonate)

H4BH

SUMMARY

JUNCTION BOX:

Equipped with 6 knockouts: two 1/2" trade size knockouts and four romex knockouts on top: Approved for 8 (four in, four out) #12 AWG 70°C. DRD2X-QCM-HW Hardwire Adaptor Cable included in housing

BAR HANGER MOUNTING: Pre-installed mounting brackets allow for adjustment between 14 5/8" and 24" joist spacing and come equipped with nails compatible with wood joist installation. Barhangers may also be removed to allow for the housing to be attached directly to a joist with (2) screws (not provided)

CEILING THICKNESS RANGE: Pre-installed mounting brackets do not allow for vertical adjustment and only accommodate ceiling thicknesses 1/3" up to 5/8"

CUTOUT: 4 1/4" (108mm) round opening

LISTINGS: ASTM E283 certified Air Tight, IC (Insulation Contact) rated

HOUSING



H Series

4" Remodel (Polycarbonate)

H4RM

SUMMARY

JUNCTION BOX:

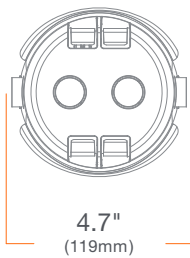
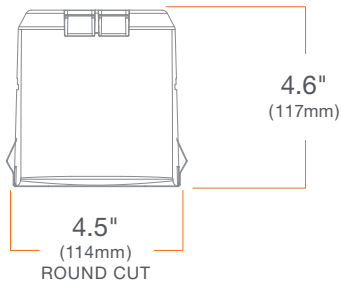
Equipped with 6 knockouts: two 1/2" trade size knockouts and four romex knockouts on top: Approved for 8 (four in, four out) #12 AWG 70°C. DRD2X-QCM-HW Hardwire Adaptor Cable included in housing

MOUNTING: Pre-installed mounting spring clips

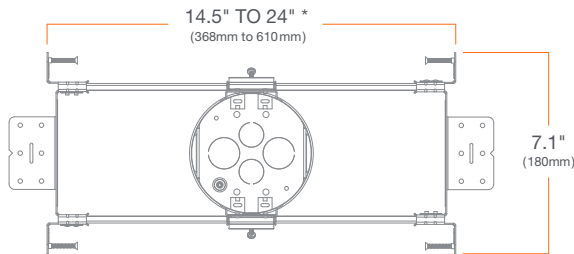
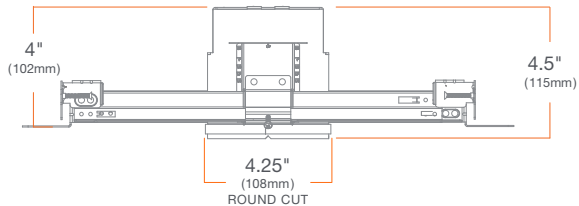
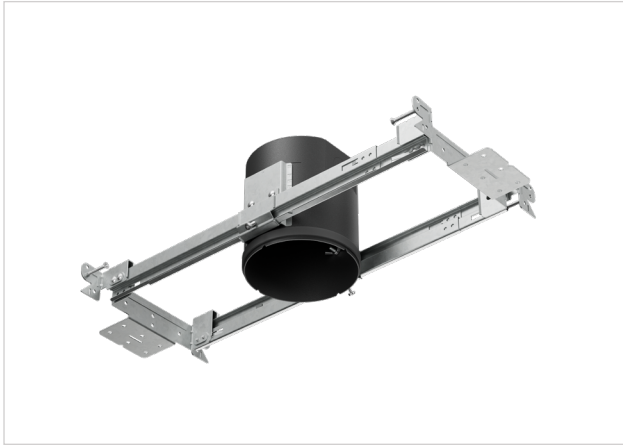
CEILING THICKNESS RANGE: 5/8" up to 1 1/4"

CUTOUT: 4 1/2" (114mm) and 3 5/8" round opening

LISTINGS: ASTM E283 certified Air Tight, IC (Insulation Contact) rated



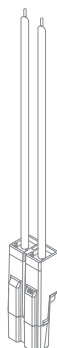
HOUSING



* Can be field cut to minimum 7 1/2" (191mm) for a range of 7 1/2" (191mm) - 24" (610mm)

Hardwire Adaptor Cable**

DRD2X-QCM-HW



** Required for module compatibility

Plenum Rated

4" New Construction (Metal)

M4NCRS (Standard)

M4NCRF (Fire Rated)

SUMMARY

JUNCTION BOX: Equipped with 10 knockouts: two 1/2" and two 3/4" trade size knockouts on top, two 1/2" trade size knockouts on side, four romex knockouts on top. Approved for 8 (four in, four out) #12 AWG 70°C.

MOUNTING: Adjustable Bar Hangers compatible with traditional joists, Armstrong™, Hat Channel, and T-Bar can accommodate the following spacing:

Standard Version (Deep): 7 1/2" to 24" Joist spacing

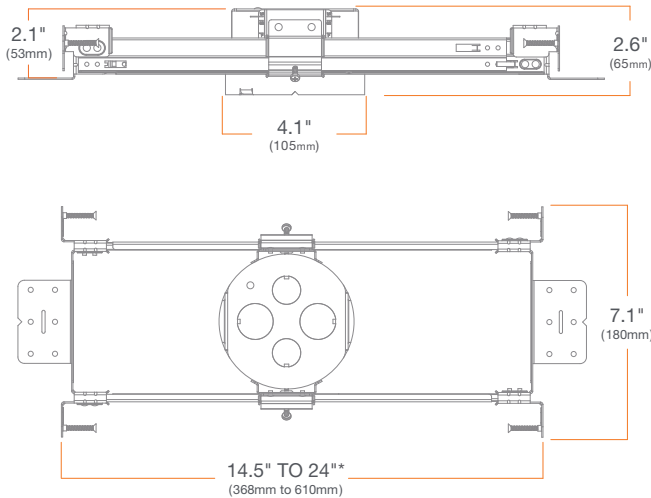
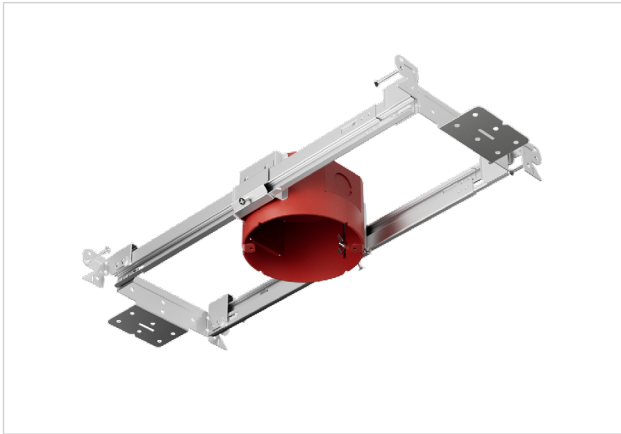
CEILING: Pre-installed mounting brackets allow vertical adjustment of bar hangers up to 1 1/4"

Standard Version (Deep): 1/2" to 1 3/4"

CUTOUT: 4 1/4" (108mm) round opening

LISTINGS: Metallic outlet box certified UL514A, code compliant for use in appropriate fire-rated assemblies for up to 2-hours (Fire Rated only), STC/IIC Sound Rated, ASTM E283 certified Air Tight, IC (Insulation Contact) Rated, Compliant to FCC Title 46 Part 15; Class B, Suitable for Use in Air-Handling Space – Complies with UL2043

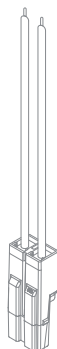
HOUSING



* Can be field cut to minimum 7 1/2" (191mm)

Hardwire Adaptor Cable**

DRD2X-QCM-HW



** Required for module compatibility

SurfaceFrame

4" New Construction Fire Rated Junction Box

F4NC

SUMMARY

JUNCTION BOX: Equipped with (4) 1/2" trade size knockouts (two side, two top) to allow straight conduit runs. Approved for 6 (three in, three out) #12 AWG 70°C through wiring conductors.

MOUNTING: Pre-installed mounting brackets allow for adjustment between 14 and 24" joist spacing.

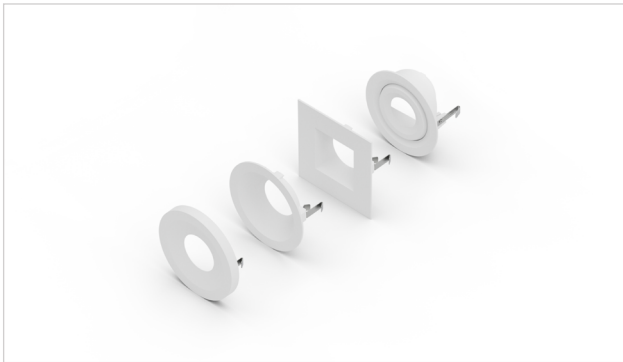
CEILING: Bar Hangers allow for vertical adjustment 0 up to 1 1/2"

CUTOUT: 4 3/16" (106mm) round opening

LISTINGS: Metallic outlet box certified UL514A, code compliant for use in appropriate fire-rated assemblies for up to 2-hours, STC/IIC Sound Rated, ASTM E283 certified Air Tight, IC (Insulation Contact) rated,

TRIM COMPATIBILITY: Flush Mount Only - H4TRFxx

TRIMS



H Series

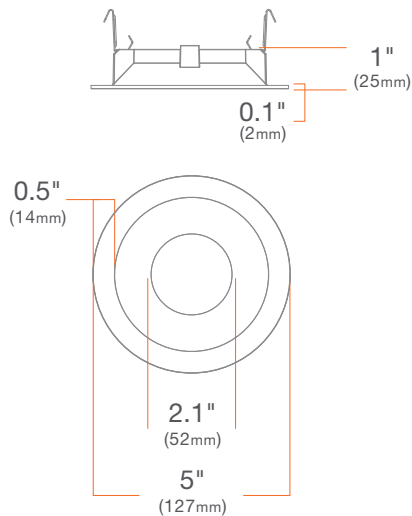
Flanged Trims

SUMMARY

CONSTRUCTION: Die-cast aluminum

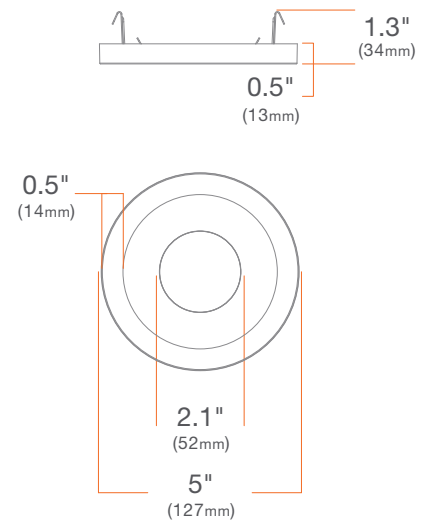
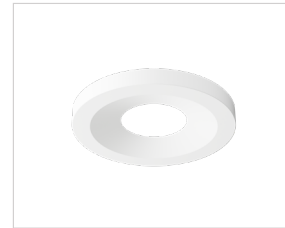
4" Round

H4TRSWH



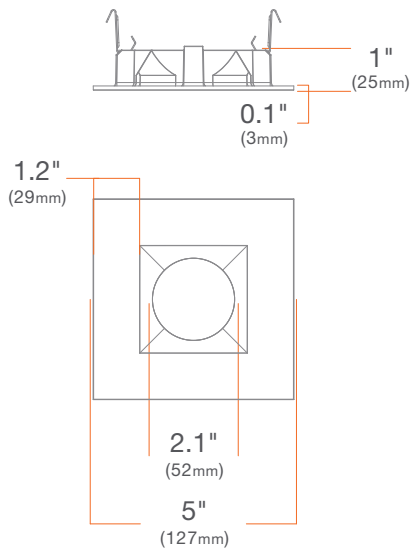
4" Flush

H4TRFWH



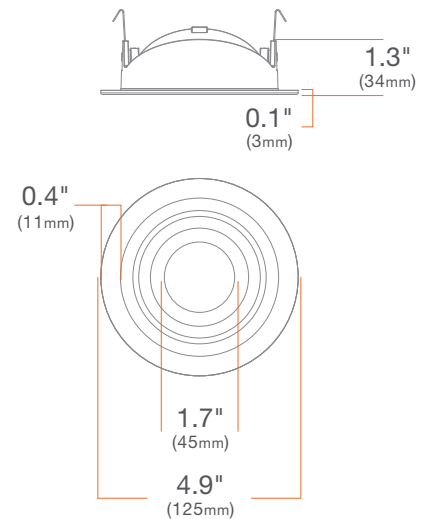
4" Square

H4TSSWH

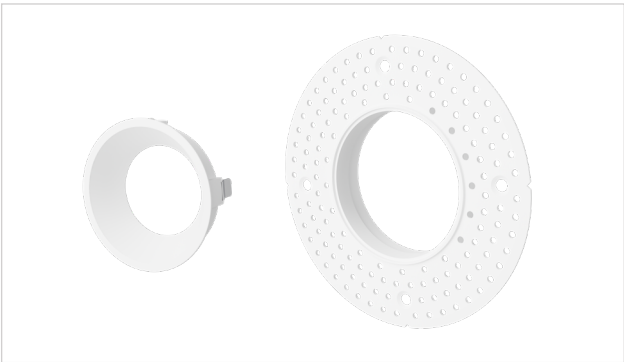


4" Adjustable

H4TRAWH



TRIMS



H Series
Flangeless Trims

SUMMARY

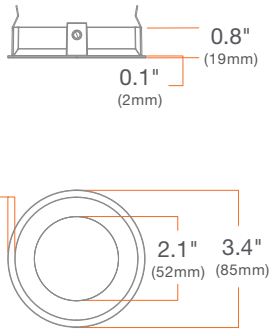
CONSTRUCTION: Die-cast aluminum

Round Flangeless

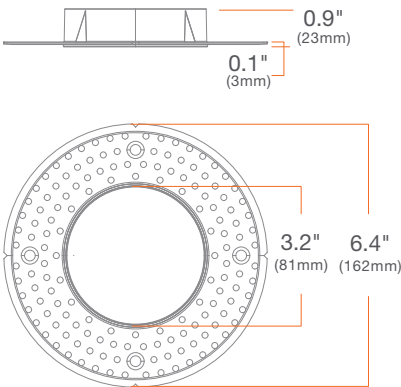
HCLTR4WHFL



TRIM



MUDPLATE

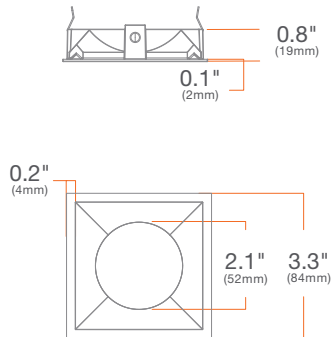


Square Flangeless

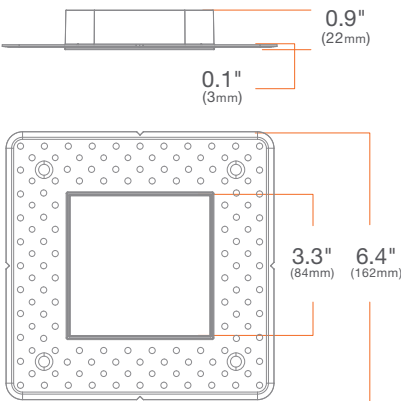
HCLTS4WHFL



TRIM



MUDPLATE

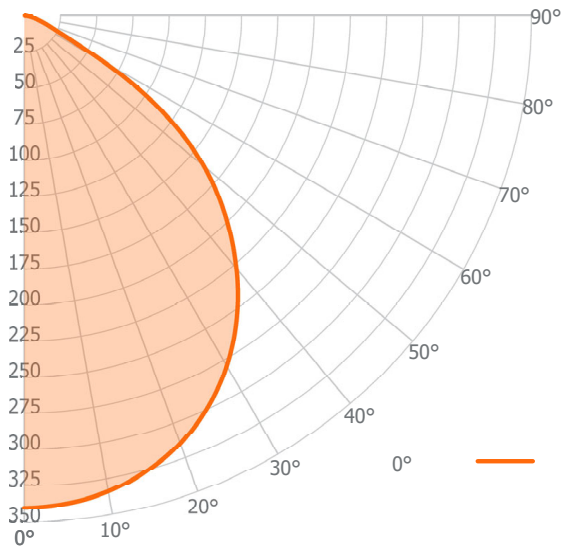




PHOTOMETRY

HM30 750 lm
H4TRSWH

Candela Distribution



Luminous Intensity

	0°
0°	340
5°	338
10°	334
15°	326
20°	315
25°	299
30°	280
35°	256
40°	228
45°	197
50°	162
55°	118
60°	63
65°	26
70°	15
75°	9
80°	5
85°	2
90°	0

Zonal Lumen Summary

Zone	Lumens	Luminaire %
0° - 30°	262	36%
0° - 40°	421	59%
0° - 60°	676	94%
0° - 90°	718	100%
0° - 180°	720	100%

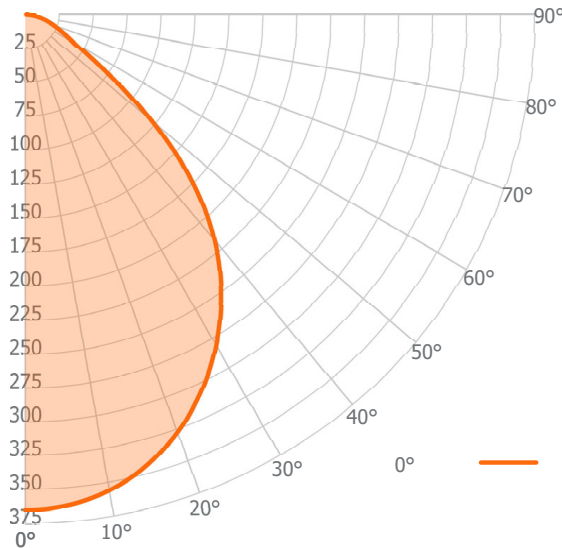
Illuminance Chart

Distance from LED	Foot Candles	Diameter
3 ft	37.8 fc	6.9 ft
6 ft	9.5 fc	13.7 ft
9 ft	4.2 fc	20.6 ft
12 ft	2.4 fc	27.5 ft

Input Watts: 9.0 W
Lumens: 720 lm
Efficacy: 80 lm/W
Beam Angle: 98°

HM30 750 lm
H4TSSWH

Candela Distribution



Luminous Intensity

	0°
0°	365
5°	363
10°	356
15°	344
20°	328
25°	306
30°	281
35°	251
40°	217
45°	174
50°	121
55°	71
60°	42
65°	30
70°	22
75°	15
80°	9
85°	5
90°	1

Zonal Lumen Summary

Zone	Lumens	Luminaire %
0° - 30°	272	40%
0° - 40°	429	63%
0° - 60°	627	92%
0° - 90°	679	100%
0° - 180°	680	100%

Illuminance Chart

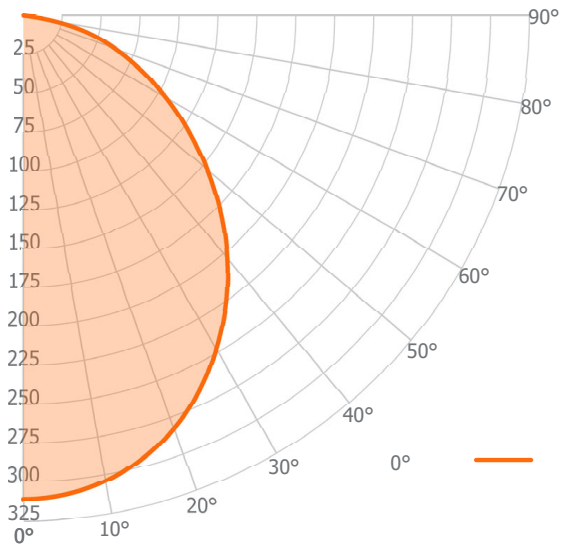
Distance from LED	Foot Candles	Diameter
3 ft	40.6 fc	5.8 ft
6 ft	10.1 fc	11.6 ft
9 ft	4.5 fc	17.4 ft
12 ft	2.5 fc	23.2 ft

Input Watts: 9.0 W
Lumens: 680 lm
Efficacy: 76 lm/W
Beam Angle: 88°

PHOTOMETRY

HM30 750 lm
H4TRFWH

Candela Distribution



Luminous Intensity

	0°
0°	311
5°	309
10°	304
15°	295
20°	283
25°	267
30°	248
35°	227
40°	204
45°	179
50°	154
55°	129
60°	106
65°	83
70°	63
75°	42
80°	17
85°	2
90°	0

Zonal Lumen Summary

Zone	Lumens	Luminaire %
0° - 30°	235	31%
0° - 40°	377	49%
0° - 60°	631	83%
0° - 90°	762	100%
0° - 180°	764	100%

Illuminance Chart

Distance from LED	Foot Candles	Diameter
3 ft	34.6 fc	7.1 ft
6 ft	8.6 fc	14.2 ft
9 ft	3.8 fc	21.2 ft
12 ft	2.2 fc	28.3 ft

Input Watts: 9.0 W
Lumens: 764 lm
Efficacy: 85 lm/W
Beam Angle: 99°