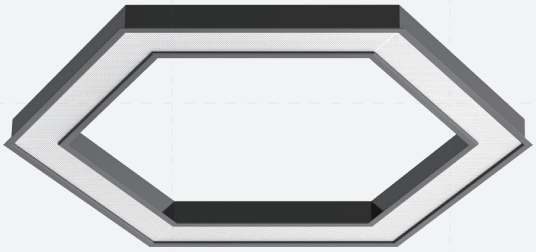
Infinite System Specification

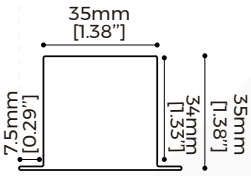
— Hexagon series

H-RE3535D
H-RE5035D
H-RE7035D
H-RE3535P
H-RE5035P
H-RE7035P

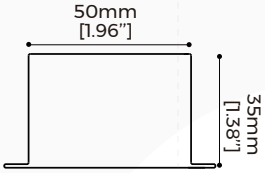
Optical: Diffuser



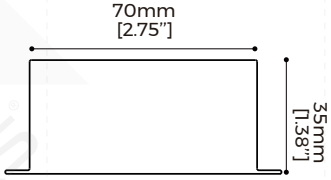
Optical: Prismatic



Model:
H-RE3535D
H-RE3535P



Model:
H-RE5035D
H-RE5035P



Model:
H-RE7035D
H-RE7035P

◎ Basic Information

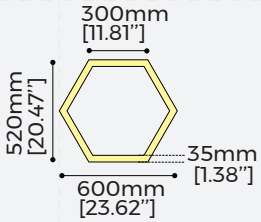
Light efficiency

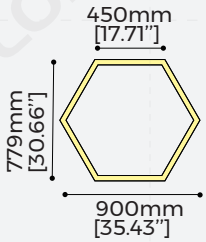
H-RE3535D 100LM/W(Regular), 120LM/W(High-Efficiency)	**H-RE3535P** 85LM/W(Regular), 105LM/W(High-Efficiency)
H-RE5035D 100LM/W(Regular), 120LM/W(High-Efficiency)	**H-RE5035P** 90LM/W(Regular), 105LM/W(High-Efficiency)
H-RE7035D 110LM/W(Regular), 135LM/W(High-Efficiency)	**H-RE7035P** 100LM/W(Regular), 120LM/W(High-Efficiency)

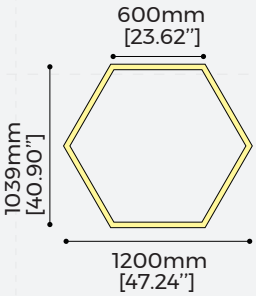
Common information

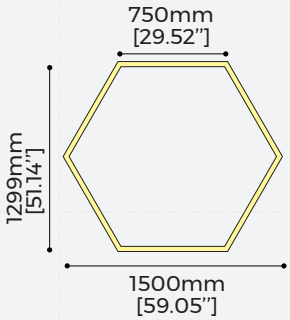
· Material:	AL6063-T5, spraying surface
· Color:	Black/White/Silver/0range/Blue/Green /Rose gold/Champagne gold
· Side length:	300/450/600/750/900/1200mm optional
· IP grade:	IP20
· CCT:	2700/3000/3500/4000/5000/6500K
· CRI:	>80/>90
· SDCM:	≤3 Step
· Dimming method:	Non-dimming, 1-10V, DALI2+PUSH
· Application:	Indoor
· Installation:	Recessed
· Certification:	CE, UKCA, ROHS, REACH, CB, ENEC, ETL, LM-80
· Warranty:	5 years

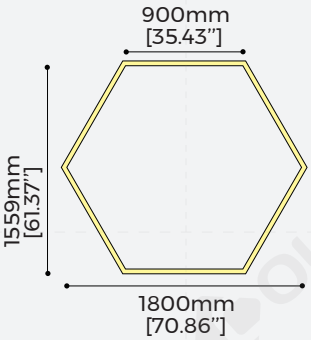
◎ Product Dimension Information

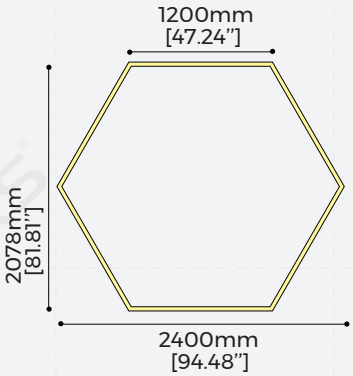


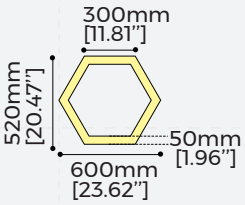


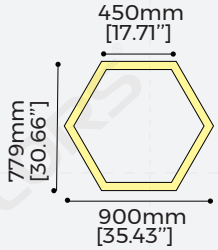


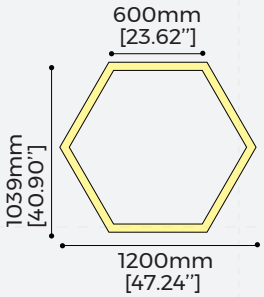


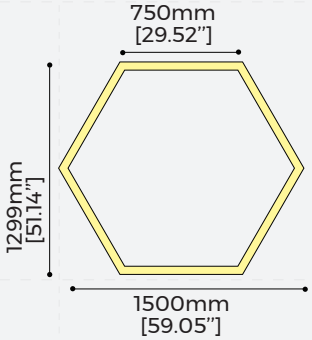


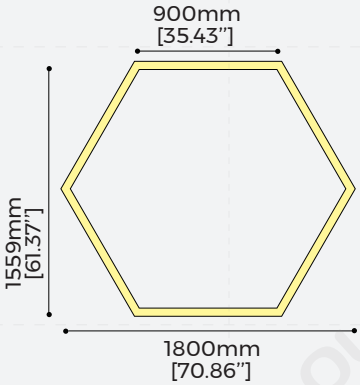


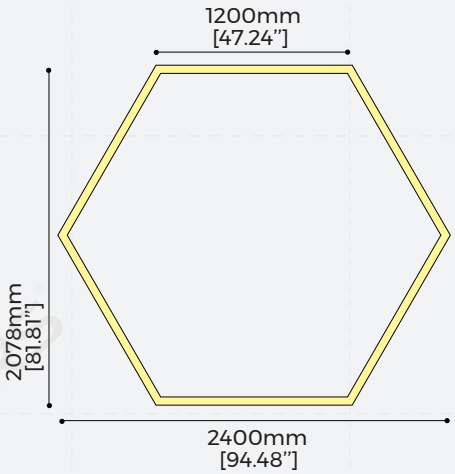


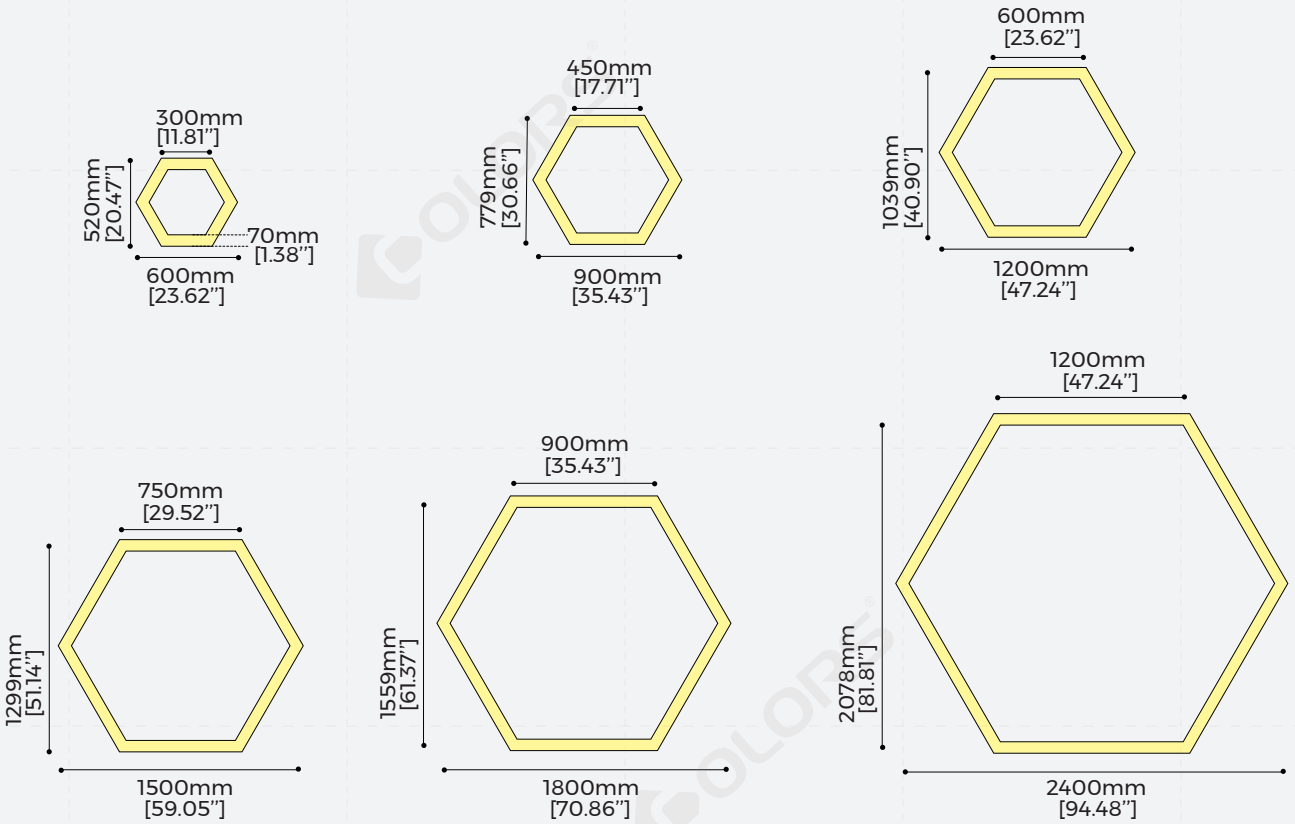




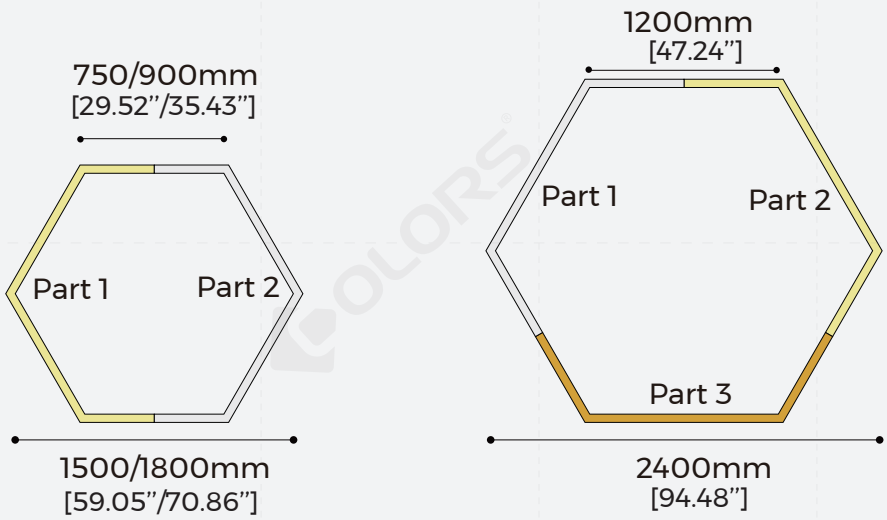








Case 1: For side length≤600mm, the lamp is to be produced as complete unit.



Case 2: For side length>600mm, the lamp is to be divided into parts

◎ Luminaire Parameters

Model	Version	Length (mm)	Type Power (W/PCS)	Input Voltage (V)	Input Current (mA)	CRI	Lumens (LM/PCS)	CCT
H-RE3535D	Regular	300 [0.98ft]	35	AC200-240V	180	>80	3500	2700K 3000K 3500K 4000K 5000K 6500K
						>90	3010	
		450 [1.47ft]	54	AC200-240V	270	>80	5400	
						>90	4644	
		600 [1.97ft]	72	AC200-240V	360	>80	7200	
						>90	6192	
		750 [2.46ft]	90	AC200-240V	450	>80	9000	
						>90	7740	
		900 [2.95ft]	108	AC200-240V	550	>80	10800	
						>90	9288	
		1200 [3.94ft]	144	AC200-240V	730	>80	14400	
						>90	12384	
	High-Efficiency	300 [0.98ft]	35	AC200-240V	180	>80	4200	
						>90	3612	
		450 [1.47ft]	54	AC200-240V	270	>80	6480	
						>90	5573	
		600 [1.97ft]	72	AC200-240V	360	>80	8640	
						>90	7430	
		750 [2.46ft]	90	AC200-240V	450	>80	10800	
						>90	9288	
		900 [2.95ft]	108	AC200-240V	550	>80	12960	
						>90	11146	
		1200 [3.94ft]	144	AC200-240V	730	>80	17280	
						>90	14861	

Model	Version	Length (mm)	Type Power (W/PCS)	Input Voltage (V)	Input Current (mA)	CRI	Lumens (LM/PCS)	CCT
H-RE3535P	Regular	300 [0.98ft]	35	AC200-240V	180	>80	2975	2700K 3000K 3500K 4000K 5000K 6500K
						>90	2559	
		450 [1.47ft]	54	AC200-240V	270	>80	4590	
						>90	3947	
		600 [1.97ft]	72	AC200-240V	360	>80	6120	
						>90	5263	
		750 [2.46ft]	90	AC200-240V	450	>80	7650	
						>90	6579	
		900 [2.95ft]	108	AC200-240V	550	>80	9180	
						>90	7895	
		1200 [3.94ft]	144	AC200-240V	730	>80	12240	
						>90	10526	
	High-Efficiency	300 [0.98ft]	35	AC200-240V	180	>80	3675	
						>90	3161	
		450 [1.47ft]	54	AC200-240V	270	>80	5670	
						>90	4876	
		600 [1.97ft]	72	AC200-240V	360	>80	7560	
						>90	6502	
		750 [2.46ft]	90	AC200-240V	450	>80	9450	
						>90	8127	
		900 [2.95ft]	108	AC200-240V	550	>80	11340	
						>90	9752	
		1200 [3.94ft]	144	AC200-240V	730	>80	15120	
						>90	13003	

Model	Version	Length (mm)	Type Power (W/PCS)	Input Voltage (V)	Input Current (mA)	CRI	Lumens (LM/PCS)	CCT
H-RE5035D	Regular	300 [0.98ft]	45	AC200-240V	230	>80	4500	2700K 3000K 3500K 4000K 5000K 6500K
						>90	3870	
		450 [1.47ft]	66	AC200-240V	330	>80	6600	
						>90	5676	
		600 [1.97ft]	90	AC200-240V	450	>80	9000	
						>90	7740	
		750 [2.46ft]	110	AC200-240V	560	>80	11000	
						>90	9460	
		900 [2.95ft]	132	AC200-240V	670	>80	13200	
						>90	11352	
		1200 [3.94ft]	176	AC200-240V	890	>80	17600	
						>90	15136	
	High-Efficiency	300 [0.98ft]	45	AC200-240V	230	>80	5400	
						>90	4644	
		450 [1.47ft]	66	AC200-240V	330	>80	7920	
						>90	6811	
		600 [1.97ft]	90	AC200-240V	450	>80	10800	
						>90	9288	
		750 [2.46ft]	110	AC200-240V	560	>80	13200	
						>90	11352	
		900 [2.95ft]	132	AC200-240V	670	>80	15840	
						>90	13622	
		1200 [3.94ft]	176	AC200-240V	890	>80	21120	
						>90	18163	

Model	Version	Length (mm)	Type Power (W/PCS)	Input Voltage (V)	Input Current (mA)	CRI	Lumens (LM/PCS)	CCT
H-RE5035P	Regular	300 [0.98ft]	45	AC200-240V	230	>80	4050	2700K 3000K 3500K 4000K 5000K 6500K
						>90	3483	
		450 [1.47ft]	66	AC200-240V	330	>80	5940	
						>90	5108	
		600 [1.97ft]	90	AC200-240V	450	>80	8100	
						>90	6966	
		750 [2.46ft]	110	AC200-240V	560	>80	9900	
						>90	8514	
		900 [2.95ft]	132	AC200-240V	670	>80	11880	
						>90	10217	
		1200 [3.94ft]	176	AC200-240V	890	>80	15840	
						>90	13622	
	High-Efficiency	300 [0.98ft]	45	AC200-240V	230	>80	4725	
						>90	4064	
		450 [1.47ft]	66	AC200-240V	330	>80	6930	
						>90	5960	
		600 [1.97ft]	90	AC200-240V	450	>80	9450	
						>90	8127	
		750 [2.46ft]	110	AC200-240V	560	>80	11550	
						>90	9933	
		900 [2.95ft]	132	AC200-240V	670	>80	13860	
						>90	11920	
		1200 [3.94ft]	176	AC200-240V	890	>80	18480	
						>90	15893	

Model	Version	Length (mm)	Type Power (W/PCS)	Input Voltage (V)	Input Current (mA)	CRI	Lumens (LM/PCS)	CCT
H-RE7035D	Regular	300 [0.98ft]	58	AC200-240V	290	>80	6380	2700K 3000K 3500K 4000K 5000K 6500K
						>90	5487	
		450 [1.47ft]	90	AC200-240V	450	>80	9900	
						>90	8514	
		600 [1.97ft]	116	AC200-240V	590	>80	12760	
						>90	10974	
		750 [2.46ft]	148	AC200-240V	750	>80	16280	
						>90	14001	
		900 [2.95ft]	176	AC200-240V	890	>80	19360	
						>90	16650	
		1200 [3.94ft]	235	AC200-240V	1190	>80	25850	
						>90	22231	
	High-Efficiency	300 [0.98ft]	58	AC200-240V	290	>80	7830	
						>90	6734	
		450 [1.47ft]	90	AC200-240V	450	>80	12150	
						>90	10449	
		600 [1.97ft]	116	AC200-240V	590	>80	15660	
						>90	13468	
		750 [2.46ft]	148	AC200-240V	750	>80	19980	
						>90	17183	
		900 [2.95ft]	176	AC200-240V	890	>80	23760	
						>90	20434	
		1200 [3.94ft]	235	AC200-240V	1190	>80	31725	
						>90	27284	

Model	Version	Length (mm)	Type Power (W/PCS)	Input Voltage (V)	Input Current (mA)	CRI	Lumens (LM/PCS)	CCT
H-RE7035P	Regular	300 [0.98ft]	58	AC200-240V	290	>80	5800	2700K 3000K 3500K 4000K 5000K 6500K
						>90	4988	
		450 [1.47ft]	90	AC200-240V	450	>80	9000	
						>90	7740	
		600 [1.97ft]	116	AC200-240V	590	>80	11600	
						>90	9976	
		750 [2.46ft]	148	AC200-240V	750	>80	14800	
						>90	12728	
		900 [2.95ft]	176	AC200-240V	890	>80	17600	
						>90	15136	
		1200 [3.94ft]	235	AC200-240V	1190	>80	23500	
						>90	20210	
	High-Efficiency	300 [0.98ft]	58	AC200-240V	290	>80	6960	
						>90	5986	
		450 [1.47ft]	90	AC200-240V	450	>80	10800	
						>90	9288	
		600 [1.97ft]	116	AC200-240V	590	>80	13920	
						>90	11971	
		750 [2.46ft]	148	AC200-240V	750	>80	17760	
						>90	15274	
		900 [2.95ft]	176	AC200-240V	890	>80	21120	
						>90	18163	
		1200 [3.94ft]	235	AC200-240V	1190	>80	28200	
						>90	24252	

Note:

1. The output data is based on white coated luminaire with Ra80,4000K.
2. The above Lumens data are at 4000K color temperature.
3. High-efficiency version does not do 3500K and 5000K
4. The tolerance of output data can be vary up to 15%.
5. The output data is typical value.
6. The following is an example of lumen conversion instructions:

CCT	RA	Ratio of lumens (white coated luminaire)	Ratio of lumens (Other coated colors of luminaire)
2700K	80	90%	Calculate white coated luminaire lumens first, then multiply by 90 %
	90	77%	
3000K	80	93%	
	90	80%	
3500K	80	97%	
	90	83%	
4000K	80	100%	
	90	86%	
5000K	80	100%	
	90	86%	
6500K	80	100%	
	90	86%	

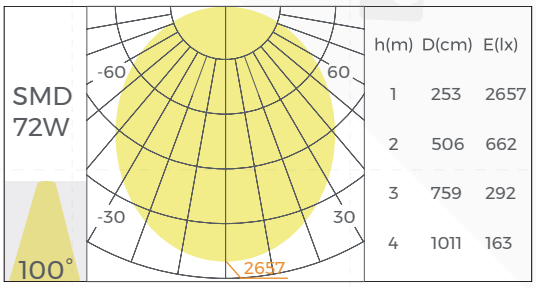
Note: All other lumens are to be based on white coated luminaire with 4000K,RA80(100%);and multiplied by the percentage in the table above.

Assuming a 4000K, RA80 white coated luminaire with 1000lm lumens:

Example 1: If you need 4000K,RA90 lumens (white coated luminaire)	1000*86%=860lm
Example 2: If you need 4000K,RA90 lumens (other coated colors of luminaire)	1000*86%*90%=774lm
Example 3: If you need 3000K,RA80 lumens (white coated luminaire)	1000*93%=930lm
Example 4: If you need 3000K,RA90 lumens (white coated luminaire)	1000*80%=800lm
Example 5: If you need 5000K,RA80 lumens (white coated luminaire)	1000*100%=1000lm

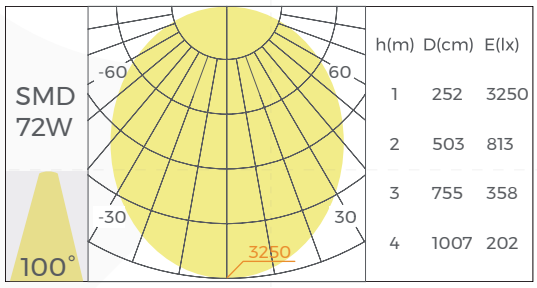
◎ Optical Parameter

【H-RE3535D】



h(m)	D(cm)	E(lx)
1	253	2657
2	506	662
3	759	292
4	1011	163

Regular version

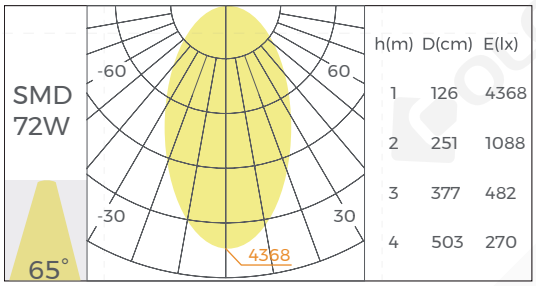


h(m)	D(cm)	E(lx)
1	252	3250
2	503	813
3	755	358
4	1007	202

High-efficiency version

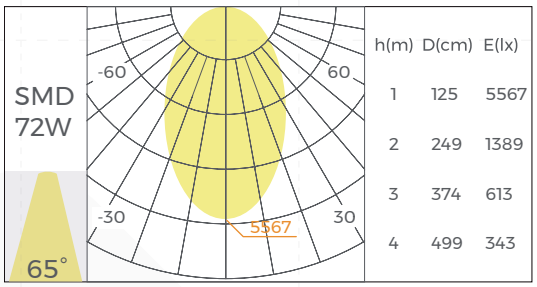
*The above data is based on a 600mm side length luminaire with Ra80,4000K.

【H-RE3535P】



h(m)	D(cm)	E(lx)
1	126	4368
2	251	1088
3	377	482
4	503	270

Regular version

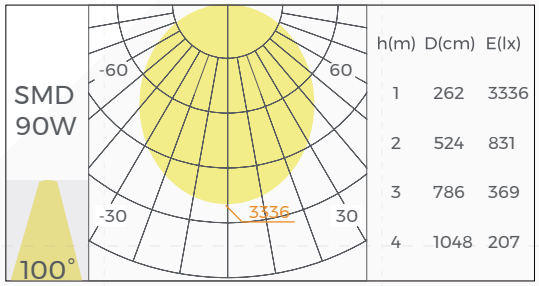


h(m)	D(cm)	E(lx)
1	125	5567
2	249	1389
3	374	613
4	499	343

High-efficiency version

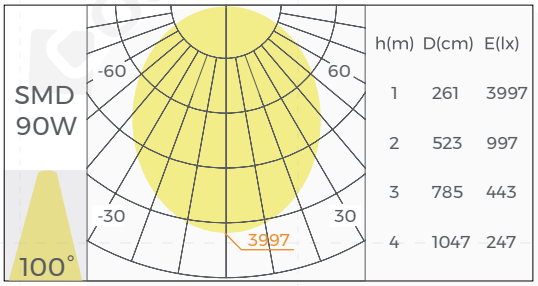
*The above data is based on a 600mm side length luminaire with Ra80,4000K.

【H-RE5035D】



h(m)	D(cm)	E(lx)
1	262	3336
2	524	831
3	786	369
4	1048	207

Regular version

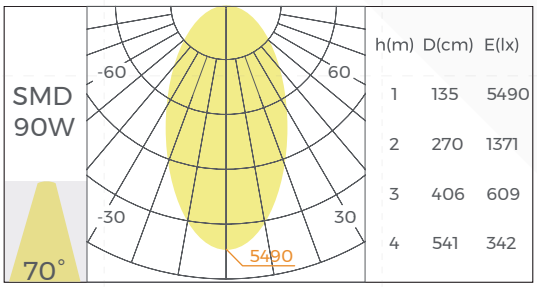


h(m)	D(cm)	E(lx)
1	261	3997
2	523	997
3	785	443
4	1047	247

High-efficiency version

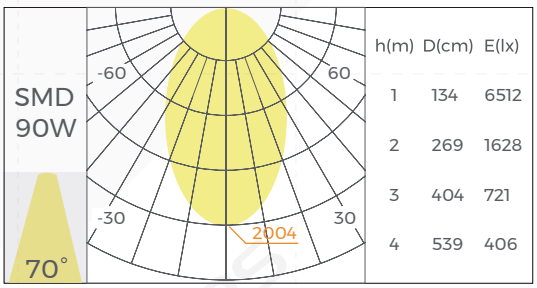
*The above data is based on a 600mm side length luminaire with Ra80,4000K.

【H-RE5035P】



h(m)	D(cm)	E(lx)
1	135	5490
2	270	1371
3	406	609
4	541	342

Regular version

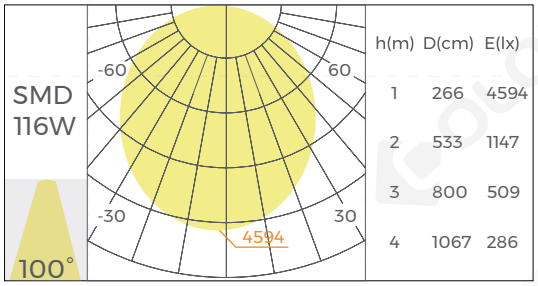


h(m)	D(cm)	E(lx)
1	134	6512
2	269	1628
3	404	721
4	539	406

High-efficiency version

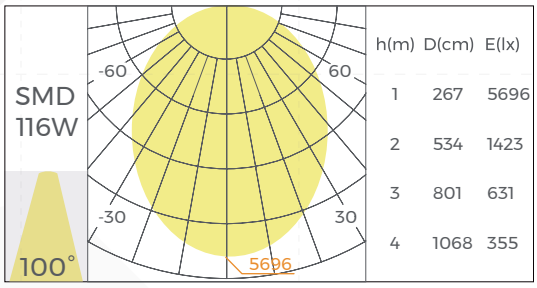
*The above data is based on a 600mm side length luminaire with Ra80,4000K.

【H-RE7035D】



h(m)	D(cm)	E(lx)
1	266	4594
2	533	1147
3	800	509
4	1067	286

Regular version

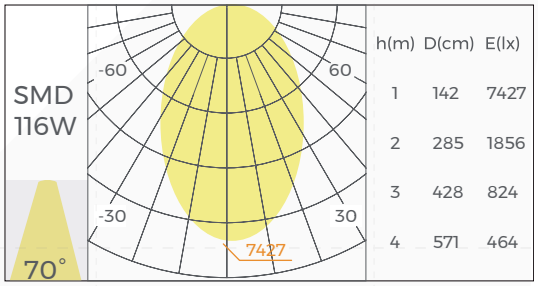


h(m)	D(cm)	E(lx)
1	267	5696
2	534	1423
3	801	631
4	1068	355

High-efficiency version

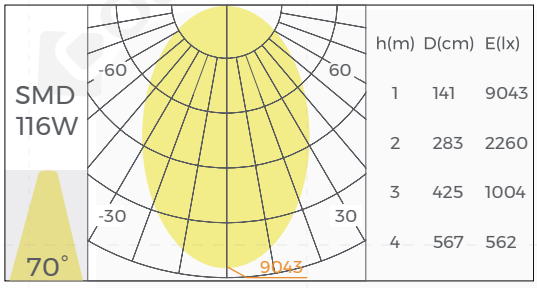
*The above data is based on a 600mm side length luminaire with Ra80,4000K.

【H-RE7035P】



h(m)	D(cm)	E(lx)
1	142	7427
2	285	1856
3	428	824
4	571	464

Regular version



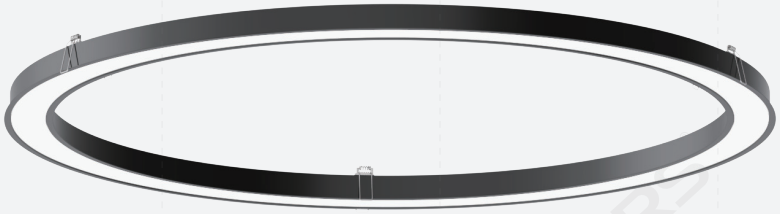
h(m)	D(cm)	E(lx)
1	141	9043
2	283	2260
3	425	1004
4	567	562

High-efficiency version

*The above data is based on a 600mm side length luminaire with Ra80,4000K.

◎ Installation

External power supply



Recessed

Note:
1. The above illustration shows the installation method.
2. The above luminaire shape is for installation illustration only.

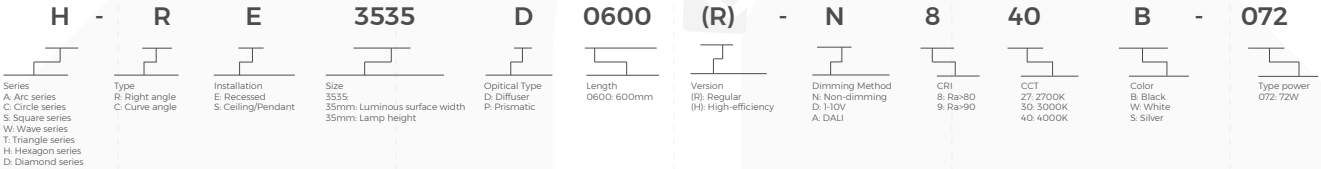
◎Packing

Model	Quantity (PCS/carton)	NW (kg/carton)	GW (kg/carton)	Size (mm/carton)
H-RE3535D0300(R)-N840W035	4	5.95	8.35	680*580*380 [26.77"*22.83"*14.96"]
H-RE3535D0450(R)-N840W054	4	8.76	11.96	960*850*380 [37.79"*33.46"*14.96"]
H-RE3535D0600(R)-N840W072	4	11.52	15.52	1260*1090*380 [49.60"*42.91"*14.96"]
H-RE3535D0750(R)-N840W090	4	14.40	19.20	1350*800*520 [53.14"*31.49"*20.47"]
H-RE3535D0900(R)-N840W108	2	8.64	11.44	1350*800*260 [53.14"*31.49"*10.23"]
H-RE3535D1200(R)-N840W144	2	11.52	14.72	1860*570*460 [73.22"*22.44"*18.11"]
H-RE5035D0300(R)-N840W045	4	7.44	9.84	680*580*380 [26.77"*22.83"*14.96"]
H-RE5035D0450(R)-N840W066	4	10.94	14.14	960*850*380 [37.79"*33.46"*14.96"]
H-RE5035D0600(R)-N840W090	4	14.40	18.40	1260*1090*380 [49.60"*42.91"*14.96"]
H-RE5035D0750(R)-N840W110	4	18.00	22.80	1350*800*520 [53.14"*31.49"*20.47"]
H-RE5035D0900(R)-N840W132	2	10.80	13.60	1350*800*260 [53.14"*31.49"*10.23"]
H-RE5035D1200(R)-N840W176	2	14.40	17.60	1860*570*460 [73.22"*22.44"*18.11"]
H-RE7035D0300(R)-N840W058	4	8.93	11.33	680*580*380 [26.77"*22.83"*14.96"]
H-RE7035D0450(R)-N840W090	4	13.13	16.33	960*850*380 [37.79"*33.46"*14.96"]
H-RE7035D0600(R)-N840W116	4	17.28	21.28	1260*1090*380 [49.60"*42.91"*14.96"]

Model	Quantity (PCS/carton)	NW (kg/carton)	GW (kg/carton)	Size (mm/carton)
H-RE7035D0750(R)-N840W148	4	21.60	26.40	1350*800*520 [53.14"*31.49"*20.47"]
H-RE7035D0900(R)-N840W176	2	12.96	15.76	1350*800*260 [53.14"*31.49"*10.23"]
H-RE7035D1200(R)-N840W235	2	17.28	20.48	1860*570*460 [73.22"*22.44"*18.11"]

Note:
1. Lamps packaged without inner box, directly use the outer box.
2. Use one outer box for each lamp, and then use the wrap and corner protectors to tie them together according to the quantity of carton above.
3. The above weight data is for reference, the exact data should be based on the weight of the physical weighing shall prevail.

◎Model Code



◎Attentions

1、Non-professionals are prohibited from installing, disassembling and repairing the product.

2、Avoid scratching, distortion and irregular bending of the product during installation; otherwise it may cause irreparable damage to the product.

3、Please use professional cutting tools when cutting

4、Do not use any acid or alkaline adhesive to fix products

5、The product is only suitable for indoor dry places, can not be used in outdoor, seaside or wet environment.

6、PC features: Each 10°C rise or drop will make diffuser extend or shrink 0.8mm/m, please confirm before processing and use