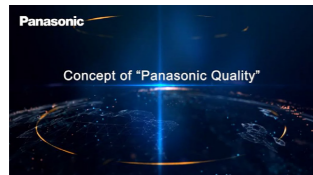


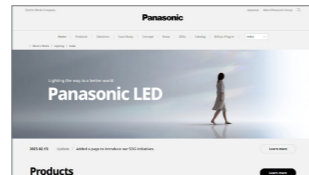
# Panasonic

# Ex-H Downlight

Panasonic Lighting - Product  
Quality Testing



Learn more about  
Panasonic lighting



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## Panasonic®

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LT63 2024.03

Specifications are subject to change without notice.

ISO 9001/14000

2024.03



# Ex-H Downlight



**Long Lifetime**  
50,000H



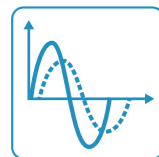
**IP Rating**  
IP54  
\*Water Proof Type Only



**High Efficacy**  
Up to 99lm/W



**Beam Angle**  
15°/24°/36°/60°



**Power Factor**  
0.9-0.95



**Low Glare**  
Glareless/  
Adjustable Glareless



**CRI**  
90

Certification

RoHS / CISPR15 / CR

\*Certification applicable for selected models.  
\*Spec and certification may change without notice.

## Ex-H Glareless Adjustable Downlight

### I Series Lineup

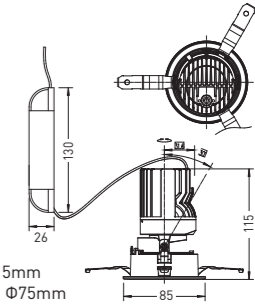
#### Specification

Rated Voltage	220V
Frequency	50/60Hz
Lifetime	50,000 hours
CRI	90
Ambient Temperature Range	5°C~35°C
Power Factor	6.5W/8W: 0.9 12W: 0.95
Materials	Body & Frame: ADC (White) Diffuser: PMMA (Transparent) Reflector: Aluminum
IP Rating	IP20
Classification of Luminaries	Class II
SDCM	5

6.5W, 8W, 12W



#### Dimension



Size : Ø85×115mm  
Cut-out size : Ø75mm  
Weight : 2.5kg

### I Data

Wattage	6.5W				8W				12W				6.5W				8W				12W				
Beam Angle	15°												24°												
Non Dimming	2700K	NNV72601WE1A	365lm,56lm/W			NNV72604WE1A	505lm,63lm/W			NNV72607WE1A	755lm,63lm/W			NNV72602WE1A	375lm,58lm/W			NNV72605WE1A	515lm,64lm/W			NNV72608WE1A	770lm,64lm/W		
	3000K	NNV72626WE1A	385m,58lm/W			NNV72629WE1A	535lm,67lm/W			NNV72632WE1A	800lm,67lm/W			NNV72627WE1A	400lm,62lm/W			NNV72630WE1A	545lm,68lm/W			NNV72633WE1A	815lm,68lm/W		
	4000K	NNV72676WE1A	405lm,62lm/W			NNV72679WE1A	560lm,70lm/W			NNV72682WE1A	840lm,70lm/W			NNV72677WE1A	420lm,65lm/W			NNV72680WE1A	570lm,71lm/W			NNV72683WE1A	855lm,71lm/W		
1/2 Beam Angle Table	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	
	1	2,183	210	1,074	1	4,688	210	2,305	1	3,432	210	1,688	1	1,757	425	822	1	3,019	425	1,413	1	2,979	425	1,394	
	2	546	420	269	2	1,172	420	576	2	858	420	422	2	439	850	206	2	755	850	353	2	745	850	349	
3	243	630	119	3	521	630	256	3	381	630	188	3	195	1,275	91	3	335	1,275	157	3	331	1,275	155		

Wattage	6.5W				8W				12W				
Beam Angle	36°												
Non Dimming	2700K	NNV72603WE1A	400lm,62lm/W			NNV72606WE1A	535lm,67lm/W			NNV72609WE1A	790lm,66lm/W		
	3000K	NNV72628WE1A	420lm,65lm/W			NNV72631WE1A	560lm,70lm/W			NNV72634WE1A	825lm,69lm/W		
	4000K	NNV72678WE1A	445lm,68lm/W			NNV72681WE1A	590lm,74lm/W			NNV72684WE1A	870lm,73lm/W		
1/2 Beam Angle Table	A	B	C	D	A	B	C	D	A	B	C	D	
	1	1,259	650	542	1	1,619	650	696	1	2,151	650	925	
	2	315	1,300	136	2	405	1,300	174	2	538	1,300	231	
3	140	1,950	60	3	180	1,950	77	3	239	1,950	103		

A : Height to Lighted Plane [m]  
B : Initial beam center illuminance [lux]  
C : Beam Diameter [mm]  
D : Initial beam edge illuminance [lux]

## Ex-H Glareless Downlight

# I Series Lineup

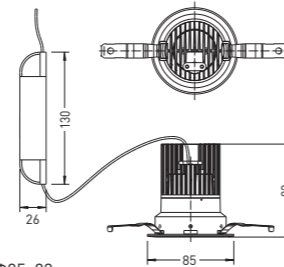
### Specification

Rated Voltage	220V
Frequency	50/60Hz
Lifetime	50,000 hours
CRI	90
Ambient Temperature Range	5°C~35°C
Power Factor	6.5W/8W: 0.9 12W: 0.95
Materials	Body & Frame: ADC (White) Diffuser: PMMA (Transparent) Reflector: Aluminum
IP Rating	IP20
Classification of Luminaires	Class II
SDCM	5

6.5W, 8W, 12W



### Dimension



Size :  $\Phi 85 \times 92$ mm  
Cut-out size :  $\Phi 75$ mm  
Weight : 2.5kg

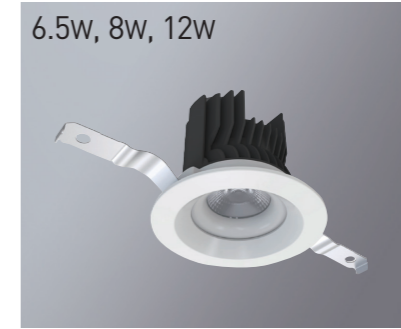
## Ex-H Low Wattage Standard Downlight

# I Series Lineup

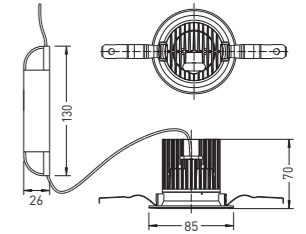
### Specification

Rated Voltage	220V
Frequency	50/60Hz
Lifetime	50,000 hours
CRI	90
Ambient Temperature Range	5°C~35°C
Power Factor	0.9
Materials	Body & Frame: ADC (White) Diffuser: PMMA (Transparent) Reflector: Aluminum
IP Rating	IP20
Classification of Luminaires	Class II
SDCM	5

6.5W, 8W, 12W



### Dimension



Size :  $\Phi 85 \times 70$ mm  
Cut-out size :  $\Phi 75$ mm  
Weight : 2.5kg

## I Data

Wattage	6.5W	8W	12W	6.5W	8W	12W
Beam Angle	24°			36°		
Non Dimming	2700K	NNV71601WE1A 440lm, 68lm/W	NNV72604WE1A 570lm, 71lm/W	NNV72607WE1A 805lm, 67lm/W	NNV72602WE1A 525lm, 81lm/W	NNV72608WE1A 945lm, 81lm/W
	3000K	NNV71626WE1A 465lm, 72lm/W	NNV71629WE1A 605lm, 76lm/W	NNV72632WE1A 855lm, 71lm/W	NNV72627WE1A 550lm, 85lm/W	NNV72633WE1A 1050lm, 85lm/W
	4000K	NNV71676WE1A 485lm, 75lm/W	NNV71679WE1A 635lm, 78lm/W	NNV72682WE1A 895lm, 75lm/W	NNV72677WE1A 580lm, 89lm/W	NNV72683WE1A 1080lm, 90lm/W
Photometric Distribution						
cd/klm ( =100%) — C0, C180						

Wattage	6.5W	8W	12W	
Beam Angle	60°			
Non Dimming	2700K	NNV71603WE1A 535lm, 82lm/W	NNV71606WE1A 690lm, 86lm/W	NNV71609WE1A 985lm, 82lm/W
	3000K	NNV71628WE1A 560lm, 86lm/W	NNV71631WE1A 725lm, 91lm/W	NNV71634WE1A 1030lm, 86lm/W
	4000K	NNV71678WE1A 590lm, 91lm/W	NNV71681WE1A 765lm, 96lm/W	NNV71684WE1A 1090lm, 91lm/W
Photometric Distribution				
cd/klm ( =100%) — C0, C180				

## I Data

Wattage	6.5W	8W	12W	6.5W	8W	12W	
Beam Angle	36°			60°			
Non Dimming	2700K	NNV71701WE1A 585lm, 90lm/W	NNV71704WE1A 780lm, 98lm/W	NNV71707WE1A 1080lm, 90lm/W	NNV71702WE1A 545lm, 84lm/W	NNV72705WE1A 715lm, 89lm/W	NNV71708WE1A 1045lm, 87lm/W
	3000K	NNV71726WE1A 615lm, 95lm/W	NNV71729WE1A 815lm, 102lm/W	NNV71732WE1A 1125lm, 94lm/W	NNV71727WE1A 570lm, 88lm/W	NNV72730WE1A 750lm, 94lm/W	NNV71733WE1A 1090lm, 91lm/W
	4000K	NNV71776WE1A 650lm, 100lm/W	NNV71779WE1A 960lm, 108m/W	NNV71782WE1A 1190lm, 99lm/W	NNV71777WE1A 605lm, 93lm/W	NNV72780WE1A 790lm, 99lm/W	NNV71783WE1A 1155lm, 96lm/W
Photometric Distribution							
cd/klm ( =100%) — C0, C180							

