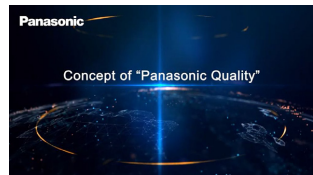


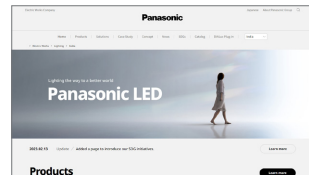
Panasonic

Ex-F Downlight

Panasonic Lighting - Product
Quality Testing



Learn more about
Panasonic lighting



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LT63 2024.03

Specifications are subject to change without notice.

ISO 9001/14000

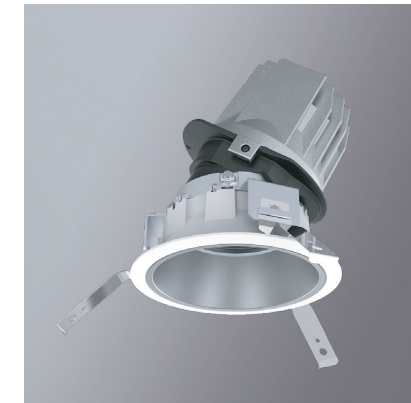
2024.03

Ex-F Glareless Adjustable Downlight

I Series Lineup

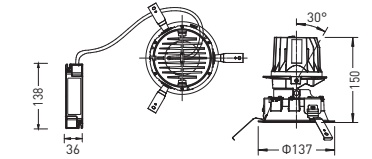
Specification

Rated Voltage	220V
Frequency	50/60Hz
Lifetime	50,000 hours
CRI	85/95
Ambient Temperature Range	5°C~35°C
Power Factor	0.95
Materials	Body & Frame: ADC (White) Diffuser: PMMA (Transparent) Reflector: Aluminum
IP Rating	IP20
Classification of Luminaries	Class II
SDCM	5



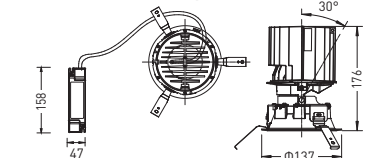
Dimension

1500/2200 Type



Size : $\Phi 137 \times 150$ mm
Cut-out size : $\Phi 125$ mm
Weight : 2.2kg

3200/4000 Type



Size : $\Phi 137 \times 176$ mm
Cut-out size : $\Phi 125$ mm
Weight : 2.5kg



Ex-F Downlight



Long Lifetime
50,000H



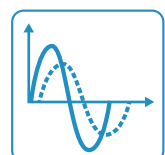
CRI
85/95



High Efficacy
Up to 120lm/W



Beam Angle
13°/25°/36°/60°/100°



Power Factor
0.9-0.95



Low Glare
Glareless/
Adjustable Glareless

I Data

Type	1500 Type				2200 Type																											
	17W				24W																											
Beam Angle	25°		36°		25°		36°																									
CRI	85		95		85		95																									
Non Dimming	3000K	NNV72411WE1A 1395lm, 82lm/W	NNV72511WE1A 1155lm, 68lm/W	NNV72412WE1A 1505lm, 89lm/W	NNV72512WE1A 1250lm, 74lm/W	NNV72413WE1A 1885lm, 79lm/W	NNV72513WE1A 1565lm, 65lm/W	NNV72414WE1A 2040lm, 85lm/W	NNV72514WE1A 1069lm, 70lm/W																							
	4000K	NNV72461WE1A 1455lm, 86lm/W	NNV72561WE1A 1210lm, 71lm/W	NNV72462WE1A 1508lm, 93lm/W	NNV72562WE1A 1310lm, 77lm/W	NNV72463WE1A 1970lm, 82lm/W	NNV72563WE1A 1630lm, 68lm/W	NNV72464WE1A 2130lm, 89lm/W	NNV72564WE1A 1770lm, 74lm/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												
	1	2,801	443	1,303	1	2,320	443	1,079	1	3,618	650	1,556	1	3,001	650	1,291	1	9,808	443	4,564	1	8,143	443	3,789	1	4,420	650	1,901	1	3,661	650	1,575
	2	700	886	326	2	580	886	270	2	905	1,300	389	2	750	1,300	323	2	2,452	886	1,141	2	2,036	886	947	2	1,105	1,300	475	2	915	1,300	394
3	311	1,329	145	3	258	1,329	120	3	402	1,950	173	3	333	1,950	143	3	1,090	1,329	507	3	905	1,329	421	3	491	1,950	211	3	407	1,950	175	

Type	3200 Type				4000 Type																											
	34W				42W																											
Beam Angle	25°		36°		25°		36°																									
CRI	85		95		85		95																									
Non Dimming	3000K	NNV72415WE1A 2465lm, 73lm/W	NNV72515WE1A 2045lm, 60lm/W	NNV72416WE1A 2655lm, 78lm/W	NNV72516WE1A 2205lm, 65lm/W	NNV72417WE1A 2860lm, 84lm/W	NNV72517WE1A 2375lm, 57lm/W	NNV72418WE1A 3040lm, 72lm/W	NNV72518WE1A 2525lm, 60lm/W																							
	4000K	NNV72465WE1A 2580lm, 76lm/W	NNV72565WE1A 2140lm, 63lm/W	NNV72466WE1A 2780lm, 82lm/W	NNV72566WE1A 2305lm, 68lm/W	NNV72467WE1A 2990lm, 71lm/W	NNV72567WE1A 2480lm, 59lm/W	NNV72468WE1A 3180lm, 76lm/W	NNV72568WE1A 2635lm, 63lm/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												
	1	7,532	443	3,505	1	6,249	443	2,907	1	5,719	650	2,460	1	4,750	650	2,043	1	14,832	443	6,901	1	12,317	443	5,731	1	6,562	650	2,822	1	5,450	650	2,344
	2	1,883	886	876	2	1,562	886	727	2	1,430	1,300	615	2	1,187	1,300	511	2	3,708	886	1,725	2	3,079	886	1,433	2	1,640	1,300	706	2	1,363	1,300	586
3	837	1,329	389	3	694	1,329	323	3	635	1,950	273	3	528	1,950	227	3	1,648	1,329	767	3	1,369	1,329	637	3	729	1,950	314	3	606	1,950	260	

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

Certification

RoHS / CISPR15 / TISI / CR

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

Ex-F Glareless Downlight

I Series Lineup

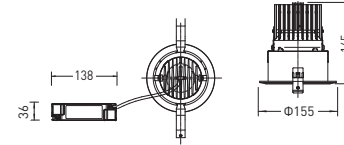
Specification

Rated Voltage	220V
Frequency	50/60Hz
Lifetime	50,000 hours
CRI	85/95
Ambient Temperature Range	5°C~35°C
Power Factor	0.95
Materials	Body & Frame: ADC (White) Diffuser: PMMA (Transparent) Reflector: Aluminum
IP Rating	IP20
Classification of Luminaries	Class II
SDCM	5



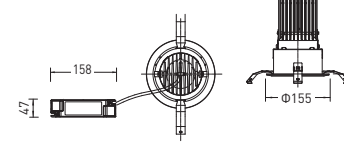
Dimension

1500/2200 Type



Size : $\Phi 155 \times 165$ mm
Cut-out size : $\Phi 125$ mm
Weight : 2.2kg

3200/4000 Type



Size : $\Phi 155 \times 200$ mm
Cut-out size : $\Phi 125$ mm
Weight : 2.5kg

Ex-F Adjustable Downlight

I Series Lineup

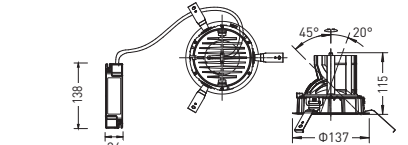
Specification

Rated Voltage	220V
Frequency	50/60Hz
Lifetime	50,000 hours
CRI	85/95
Ambient Temperature Range	5°C~35°C
Power Factor	0.95
Materials	Body & Frame: ADC (White) Diffuser: PMMA (Transparent) Reflector: Aluminum
IP Rating	IP20
Classification of Luminaries	Class II
SDCM	5



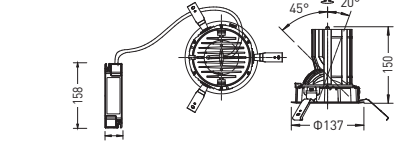
Dimension

1500/2200 Type



Size : $\Phi 137 \times 115$ mm
Cut-out size : $\Phi 125$ mm
Weight : 1.8kg

3200/4000 Type



Size : $\Phi 137 \times 150$ mm
Cut-out size : $\Phi 125$ mm
Weight : 2.1kg

I Data

Type	1500 Type				2200 Type				
Wattage	17W				24W				
Beam Angle	36°		60°		36°		60°		
CRI	85	95	85	95	85	95	85	95	
Non Dimming	3000K	NNV71411WE1A 1900lm, 112lm/W	NNV71511WE1A 1580lm, 93lm/W	NNV71412WE1A 1900lm, 112lm/W	NNV71512WE1A 1580lm, 93lm/W	NNV71413WE1A 2545lm, 106lm/W	NNV71513WE1A 2110lm, 88lm/W	NNV71414WE1A 2545lm, 106lm/W	NNV71514WE1A 2110lm, 88lm/W
	4000K	NNV71461WE1A 1985lm, 117lm/W	NNV71561WE1A 1645lm, 97lm/W	NNV71462WE1A 1985lm, 117lm/W	NNV71562WE1A 1645lm, 97lm/W	NNV71463WE1A 2665lm, 111lm/W	NNV71563WE1A 2210lm, 92lm/W	NNV71464WE1A 2665lm, 111lm/W	NNV71564WE1A 2210lm, 92lm/W
Photometric Distribution									
cd/km (=100%)	C0, C180		C0, C180		C0, C180		C0, C180		
	C90, C270		C90, C270		C90, C270		C90, C270		

Type	3200 Type				4000 Type				
Wattage	34W				42W				
Beam Angle	36°		60°		36°		60°		
CRI	85	95	85	95	85	95	85	95	
Non Dimming	3000K	NNV71415WE1A 3285lm, 97lm/W	NNV71515WE1A 2730lm, 80lm/W	NNV71416WE1A 3285lm, 97lm/W	NNV71516WE1A 2730lm, 80lm/W	NNV71417WE1A 3920lm, 93lm/W	NNV71517WE1A 3250lm, 77lm/W	NNV71418WE1A 3920lm, 93lm/W	NNV71518WE1A 3250lm, 77lm/W
	4000K	NNV71465WE1A 3430lm, 101lm/W	NNV71565WE1A 2850lm, 84lm/W	NNV71466WE1A 3430lm, 101lm/W	NNV71566WE1A 2850lm, 84lm/W	NNV71467WE1A 4090lm, 97lm/W	NNV71567WE1A 3395lm, 81lm/W	NNV71468WE1A 4090lm, 97lm/W	NNV71568WE1A 3395lm, 81lm/W
Photometric Distribution									
cd/km (=100%)	C0, C180		C0, C180		C0, C180		C0, C180		
	C90, C270		C90, C270		C90, C270		C90, C270		

I Data

Type	1500 Type								
Wattage	17W								
Beam Angle	13°		25°		36°		60°		
CRI	85	95	85	95	85	95	85	95	
Non Dimming	3000K	NNV74801WE1A 1700lm, 104lm/W	—	NNV74802WE1A 1830lm, 108lm/W	NNV74902WE1A 1520lm, 89lm/W	NNV74803WE1A 1955lm, 115lm/W	NNV74903WE1A 1625lm, 96lm/W	NNV74804WE1A 1950lm, 115lm/W	—
	4000K	NNV74851WE1A 1845lm, 109lm/W	—	NNV74852WE1A 1915lm, 113lm/W	NNV74952WE1A 1590lm, 94lm/W	NNV74853WE1A 2045lm, 120lm/W	NNV74953WE1A 1695lm, 100lm/W	NNV74854WE1A 2040lm, 120lm/W	—
Photometric Distribution									
cd/km (=100%)	C0, C180		C0, C180		C0, C180		C0, C180		

Type	2200 Type								
Wattage	24W								
Beam Angle	13°		25°		36°		60°		
CRI	85	95	85	95	85	95	85	95	
Non Dimming	3000K	NNV74805WE1A 2380lm, 99lm/W	—	NNV74806WE1A 2470lm, 103lm/W	NNV74906WE1A 2050lm, 85lm/W	NNV74807WE1A 2640lm, 110lm/W	NNV74907WE1A 2190lm, 91lm/W	NNV74808WE1A 2635lm, 110lm/W	—
	4000K	NNV74852WE1A 2490lm, 104lm/W	—	NNV74856WE1A 2580lm, 108lm/W	NNV74956WE1A 2140lm, 89lm/W	NNV74857WE1A 2760lm, 115lm/W	NNV74957WE1A 2290lm, 95lm/W	NNV74858WE1A 2755lm, 115lm/W	—
Photometric Distribution									
cd/km (=100%)	C0, C180		C0, C180		C0, C180		C0, C180		

Ex-F Adjustable Downlight

Data

Type	3200 Type								
Wattage	34W								
Beam Angle	13°		25°		36°		60°		
CRI	85		95		85		95		
Non Dimming	3000K	NNV74809WE1A 3085lm,91lm/W	—	NNV74810WE1A 3250lm,96lm/W	NNV74910WE1A 2700lm,79lm/W	NNV74811WE1A 3455lm,102lm/W	NNV74911WE1A 2865lm,84lm/W	NNV74812WE1A 3410lm,100lm/W	—
	4000K	NNV74859WE1A 3225lm,95lm/W	—	NNV74860WE1A 3400lm,100lm/W	NNV74960WE1A 2820lm,83lm/W	NNV74861WE1A 3610lm,106lm/W	NNV74961WE1A 2990lm,88lm/W	NNV74862WE1A 3560lm,105lm/W	—
Photometric Distribution									
cd/klm (±100%)	—		—		—		—		
— C0, C180	—		—		—		—		
— C90, C270	—		—		—		—		

Type	4000 Type								
Wattage	42W								
Beam Angle	13°		25°		36°		60°		
CRI	85		95		85		95		
Non Dimming	3000K	NNV74813WE1A 3685lm,88lm/W	—	NNV74814WE1A 3880lm,92lm/W	NNV74914WE1A 3220lm,77lm/W	NNV74815WE1A 4120lm,98lm/W	NNV74915WE1A 3420lm,81lm/W	NNV74816WE1A 4070lm,97lm/W	—
	4000K	NNV74863WE1A 3845lm,92lm/W	—	NNV74864WE1A 4055lm,97lm/W	NNV74964WE1A 3365lm,80lm/W	NNV74865WE1A 4310lm,103lm/W	NNV74965WE1A 3575lm,85lm/W	NNV74866WE1A 4255lm,101lm/W	—
Photometric Distribution									
cd/klm (±100%)	—		—		—		—		
— C0, C180	—		—		—		—		
— C90, C270	—		—		—		—		

Ex-F Low Wattage Standard Downlight

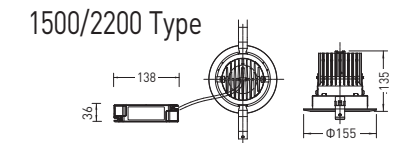
Series Lineup

Specification

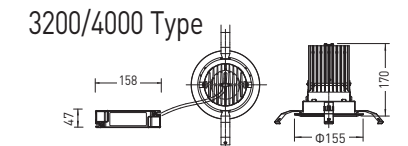
Rated Voltage	220V
Frequency	50/60Hz
Lifetime	50,000 hours
CRI	85/95
Ambient Temperature Range	5°C~35°C
Power Factor	0.95
Materials	Body & Frame: ADC (White) Diffuser: PMMA (Transparent) Reflector: Aluminum
IP Rating	IP20
Classification of Luminaires	Class II
SDCM	5



Dimension



Size : $\Phi 155 \times 135$ mm
Cut-out size : $\Phi 125$ mm
Weight : 2.2kg



Size : $\Phi 155 \times 135$ mm
Cut-out size : $\Phi 125$ mm
Weight : 2.2kg

Data

Type	1500 Type				2200 Type				
Wattage	17W				24W				
Beam Angle	60°		100°		60°		100°		
CRI	85		95		85		95		
Non Dimming	3000K	NNV71401WE1A 1940lm,114lm/W	NNV71501WE1A 1615lm,95lm/W	NNV71402WE1A 1780lm,105lm/W	—	NNV71403WE1A 2575lm,107lm/W	NNV71503WE1A 2135lm,89lm/W	NNV71404WE1A 2365lm,99lm/W	—
	4000K	NNV71451WE1A 2030lm,119lm/W	NNV71551WE1A 1685lm,99lm/W	NNV71452WE1A 1855lm,109lm/W	—	NNV71453WE1A 2695lm,112lm/W	NNV71553WE1A 2230lm,93lm/W	NNV71454WE1A 2470lm,103lm/W	—
	5000K	NNV71476WE1A 2290lm,135lm/W	—	NNV71477WE1A 1890lm,111lm/W	—	NNV71478WE1A 2740lm,114lm/W	—	NNV71479WE1A 2520lm,105lm/W	—
Photometric Distribution									
cd/klm (±100%)	—		—		—		—		
— C0, C180	—		—		—		—		
— C90, C270	—		—		—		—		

Type	3200 Type				4400 Type				
Wattage	34W				42W				
Beam Angle	60°		100°		60°		100°		
CRI	85		95		85		95		
Non Dimming	3000K	NNV71405WE1A 3375lm,99lm/W	NNV71505WE1A 2805lm,83lm/W	NNV71406WE1A 3045lm,90lm/W	—	NNV71407WE1A 4075lm,97lm/W	NNV71507WE1A 3385lm,81lm/W	NNV71408WE1A 3925lm,93lm/W	—
	4000K	NNV71455WE1A 3530lm,104lm/W	NNV71555WE1A 2930lm,86lm/W	NNV71456WE1A 3185lm,94lm/W	—	NNV71457WE1A 4260lm,101lm/W	NNV71557WE1A 3353lm,84lm/W	NNV71458WE1A 4100lm,98lm/W	—
	5000K	NNV71480WE1A 3595lm,106lm/W	—	NNV71481WE1A 3245lm,95lm/W	—	NNV71482WE1A 4340lm,103lm/W	—	NNV71483WE1A 4175lm,99lm/W	—
Photometric Distribution									
cd/klm (±100%)	—		—		—		—		
— C0, C180	—		—		—		—		