

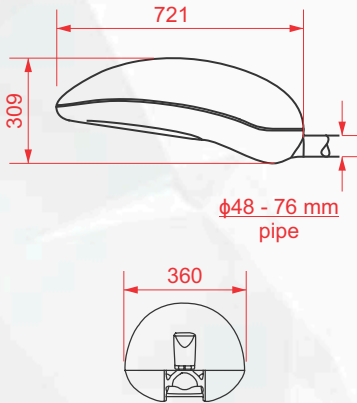


Street & highway Lighting

Parto (G04)



All dimension in mm

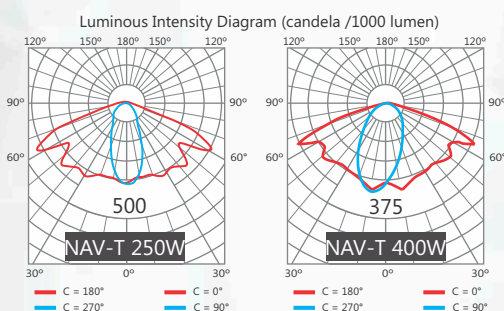


Parameter	Performance
Light source	HID Lamps
Power range	150 - 400
Body material	Die-cast aluminum
Frequency (Hz)	50
Input voltage	230
Power factor	0.95
Lamp holder	E40
Bracket holder diameter (mm)	48 - 76
Ambient temperature (°C)	35
Maximum weight (kg)	13.5 (400 W NAV)
Installation height (m)	8 -15
Optical IP	65
Electrical IP	43
Dimension (cm)	72 x 36 x 31
Area of the surface to be loaded (m²)	0.065
Protection class against electrical shock	Class I
Glass	Curved & flat toughened glass
Reflector	Anodized aluminum
Coating	Electrostatic powder painting
Package size (cm)	72.5 x 38 x 28 (± 0.5)
Empty body weight (kg)	8.95

Power(W)	Lamp	Capacitor (µF)	Current (A) without capacitor	Current (A) with capacitor	Lamp holder	Weight (kg)
150	NAV	18	1.8	0.6	E40	11.8
250	NAV	35	3	1.3	E40	13.3
400	NAV	50	4.4	2.1	E40	13.7
250	HQL	18	2.2	1.2	E40	11.8

Standards

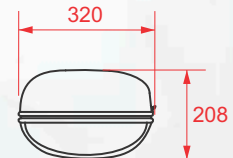
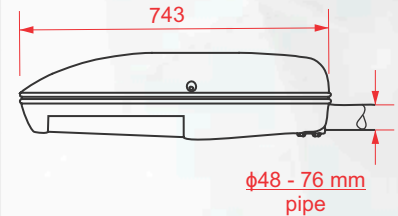
International	National	Description
IEC 60598-1	ISIRI 5920-1	Luminaires - General requirements
IEC 60598-2-3	ISIRI 5920-2-3	Particular Requirements - luminaires for road & street lighting



Available Lamp Type									
High Pressure Sodium (HPS)					Mercury Vapour (HQL)				
35 W	50 W	70 W	100 W	150 W	250 W	400 W	600 W	125 W	250 W
375 W	500 W	700 W	1000 W	1500 W	2500 W	4000 W	6000 W	12500 W	25000 W
Can be used but not economical	Can be used	Can be used	Can be used	Can be used	Can be used	Can be used	Can be used	Can be used	Can be used
Can not be used	Can not be used	Can not be used	Can not be used	Can not be used	Can not be used	Can not be used	Can not be used	Can not be used	Can not be used
Tubular lamps	Tubular lamps	Tubular lamps	Tubular lamps	Tubular lamps	Tubular lamps	Tubular lamps	Tubular lamps	Tubular lamps	Tubular lamps
Elliptical lamp	Elliptical lamp	Elliptical lamp	Elliptical lamp	Elliptical lamp	Elliptical lamp	Elliptical lamp	Elliptical lamp	Elliptical lamp	Elliptical lamp
IP65 Optical	IP65 Optical	IP65 Optical	IP65 Optical	IP65 Optical	IP43 Electrical	IP43 Electrical	IP43 Electrical	IP43 Electrical	IP43 Electrical



All dimension in mm

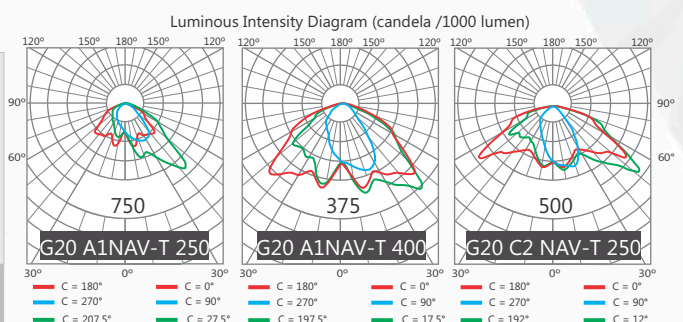


Parameter	Performance
Light source	HID Lamps
Power range	150 - 400
Body material	Die-cast aluminum
Frequency (Hz)	50
Input voltage	230
Power factor	0.95
Lamp holder	E40
Bracket holder diameter (mm)	48 - 76
Ambient temperature (°C)	35
Maximum weight (kg)	11.8 (400 W NAV)
Installation height (m)	8 -15
Optical IP	65
Electrical IP	43
Dimension (cm)	74.5 x 32 x 21
Area of the surface to be loaded (m²)	0.13
Protection class against electrical shock	Class I
Glass	Curved & flat toughened glass
Reflector	Anodized aluminum
Coating	Electrostatic powder painting
Package size (cm)	64.5 x 34 x 22 (± 0.5)
Empty body weight (kg)	7.7

Power(W)	Lamp	Capacitor (µF)	Current (A) without capacitor	Current (A) with capacitor	Lamp holder	Weight (kg)
150	NAV	18	1.8	0.6	E40	10.1
250	NAV	35	3	1.3	E40	11.6
400	NAV	50	4.4	2.1	E40	12
250	HQL	18	2.2	1.2	E40	10.1

Standards		
International	National	Description
IEC 60598-1	ISIRI 5920-1	Luminaries - General requirements
IEC 60598-2-3	ISIRI 5920-2-3	Particular Requirements - luminaries for road & street lighting

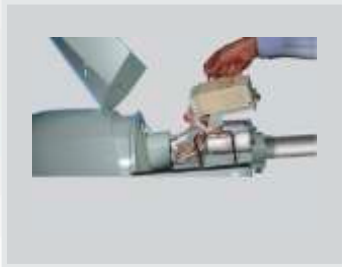
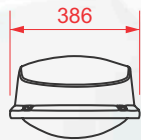
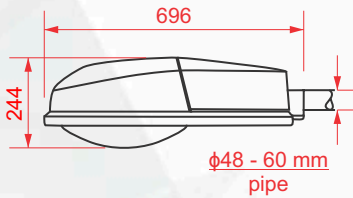
Available Lamp Type									
High Pressure Sodium (HPS)					Mercury Vapour (HQL)				
35 W	50 W	70 W	100 W	150 W	250 W	400 W	600 W	125 W	250 W
300 W	400 W	500 W	600 W	700 W	800 W	900 W	1000 W	1100 W	1200 W
Can be used but not economical	Can be used	Can be used	Can be used	Can be used	Can be used	Can be used	Can be used	Can be used	Can be used
Tubular lamps	Tubular lamps	Tubular lamps	Tubular lamps	Tubular lamps	Tubular lamps	Tubular lamps	Tubular lamps	Tubular lamps	Tubular lamps
Elliptical lamp	Elliptical lamp	Elliptical lamp	Elliptical lamp	Elliptical lamp	Elliptical lamp	Elliptical lamp	Elliptical lamp	Elliptical lamp	Elliptical lamp
IP65 Optical	IP65 Optical	IP65 Optical	IP65 Optical	IP65 Optical	IP43 Electrical	IP43 Electrical	IP43 Electrical	IP43 Electrical	IP43 Electrical



Homa (G22)



All dimension in mm

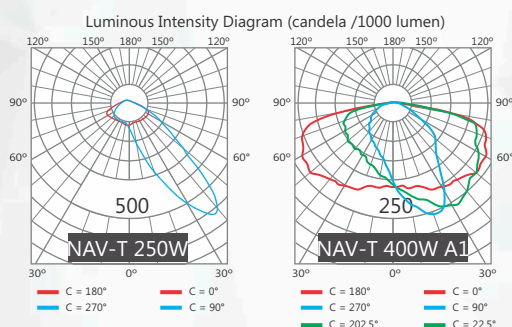


Parameter	Performance
Light source	HID Lamps
Power range	150 - 600
Body material	Die-cast aluminum
Frequency (Hz)	50
Input voltage	230
Power factor	0.95
Lamp holder	E40
Bracket holder diameter (mm)	48 - 60
Ambient temperature (°C)	35
Maximum weight (kg)	13.5 (70 W NAV)
Installation height (m)	8 - 15
Optical IP	65
Electrical IP	54
Dimension (cm)	70 x 38.5 x 24.5
Area of the surface to be loaded (m ²)	0.12
Protection class against electrical shock	Class I
Glass	Curved & flat toughened glass
Reflector	Anodized aluminum
Coating	Electrostatic powder painting
Package size (cm)	71 x 40 x 27 (± 0.5)
Empty body weight (kg)	11.4

Power(W)	Lamp	Capacitor (μF)	Current (A) without capacitor	Current (A) with capacitor	Lamp holder	Weight (kg)
150	NAV	18	1.8	0.6	E40	11.8
250	NAV	35	3	1.3	E40	13.3
400	NAV	50	4.4	2.1	E40	13.7
250	HQL	18	2.2	1.2	E40	11.8
600	HQL	75	6.2	3	E40	18

Standards

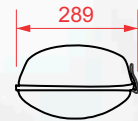
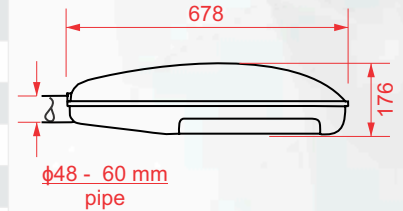
International	National	Description
IEC 60598-1	ISIRI 5920-1	Luminaries - General requirements
IEC 60598-2-3	ISIRI 5920-2-3	Particular Requirements - luminaries for road & street lighting



Available Lamp Type											
High Pressure Sodium (HPS)						Mercury Vapour (HQL)					
35 W	50 W	70 W	100 W	150 W	250 W	400 W	600 W	125 W	250 W	400 W	
Can be used but not economical	Can be used	Can be used	Can be used	Can be used	Can be used	Can be used	Can be used	Can be used	Can be used	Can be used	Can be used
Can not be used	Can not be used	Can not be used	Can not be used	Can not be used	Can not be used	Can not be used	Can not be used	Can not be used	Can not be used	Can not be used	Can not be used
Tubular lamps	Tubular lamps	Tubular lamps	Tubular lamps	Tubular lamps	Tubular lamps	Tubular lamps	Tubular lamps	Tubular lamps	Tubular lamps	Tubular lamps	Tubular lamps
Elliptical lamp	Elliptical lamp	Elliptical lamp	Elliptical lamp	Elliptical lamp	Elliptical lamp	Elliptical lamp	Elliptical lamp	Elliptical lamp	Elliptical lamp	Elliptical lamp	Elliptical lamp
IP65 Optical	IP65 Optical	IP65 Optical	IP65 Optical	IP65 Optical	IP65 Optical	IP54 Electrical	IP54 Electrical	IP54 Electrical	IP54 Electrical	IP54 Electrical	IP54 Electrical



All dimension in mm



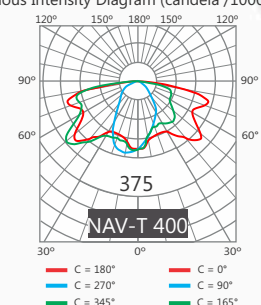
Parameter	Performance
Light source	HID Lamps
Power range	150-400
Body material	Die-cast aluminum
Frequency (Hz)	50
Input voltage	230
Power factor	0.95
Lamp holder	E40
Bracket holder diameter (mm)	48 - 60
Ambient temperature (°C)	35
Maximum weight (kg)	9.8 (400 W NAV)
Installation height (m)	8 -15
Optical IP	65
Electrical IP	43
Dimension (cm)	68 x 29 x 17.5
Area of the surface to be loaded (m²)	0.098
Protection class against electrical shock	Class I
Glass	Curved & flat toughened glass
Reflector	Anodized aluminum
Coating	Electrostatic powder painting
Package size (cm)	69 x 30.5 x 19 (± 0.5)
Empty body weight (kg)	5.2

Power(W)	Lamp	Capacitor (µF)	Current (A) without capacitor	Current (A) with capacitor	Lamp holder	Weight (kg)
400	NAV	50	4.4	2.1	E40	10

Standards		
International	National	Description
IEC 60598-1	ISIRI 5920-1	Luminaires - General requirements
IEC 60598-2-3	ISIRI 5920-2-3	Particular Requirements - luminaires for road & street lighting

Available Lamp Type															
High Pressure Sodium (HPS) - Metal halide								Mercury Vapour (HQL)							
35 W	50 W	70 W	100 W	150 W	250 W	400 W	600 W	125 W	250 W	400 W					
IP65 Optical IP43 Electrical 8-15 F UVI															

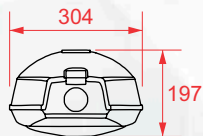
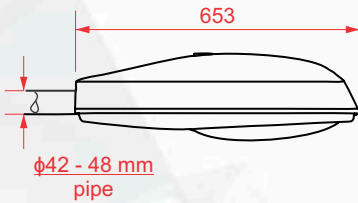
Luminous Intensity Diagram (candela /1000 lumen)



Foroogh (G13)



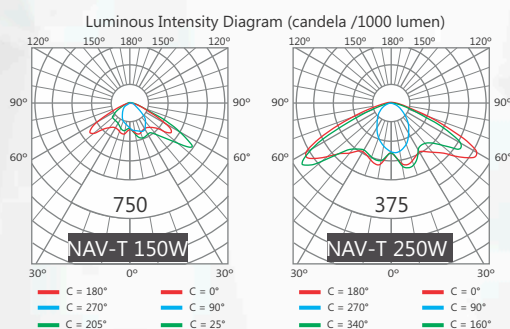
All dimension in mm



Parameter	Performance
Light source	HID Lamps
Power range	100 - 250
Body material	Die-cast aluminum
Frequency (Hz)	50
Input voltage	230
Power factor	0.95
Lamp holder	E40
Bracket holder diameter (mm)	42 - 48
Ambient temperature (°C)	35
Maximum weight (kg)	8.4 (250W NAV)
Installation height (m)	8 - 12
Optical IP	65
Electrical IP	43
Dimension (cm)	66.5 x 30 x 20
Area of the surface to be loaded (m²)	0.099
Protection class against electrical shock	Class I
Glass	Curved & flat toughened glass
Reflector	Anodized aluminum
Coating	Electrostatic powder painting
Package size (cm)	67.5 x 31.5 x 21 (± 0.5)
Empty body weight (kg)	5

Power(W)	Lamp	Capacitor (µF)	Current (A) without capacitor	Current (A) with capacitor	Lamp holder	Weight (kg)
150	NAV	18	1.8	0.6	E40	7.1
250	NAV	35	3	1.3	E40	8.3

Standards		
International	National	Description
IEC 60598-1	ISIRI 5920-1	Luminaires - General requirements
IEC 60598-2-3	ISIRI 5920-2-3	Particular Requirements - luminaires for road & street lighting



Available Lamp Type											
High Pressure Sodium (HPS)								Mercury Vapour (HQL)			
35 W	50 W	70 W	100 W	150 W	250 W	400 W	600 W	125 W	250 W	400 W	
											Can be used but not economical Can be used Can not be used Tubular lamps Elliptical lamp

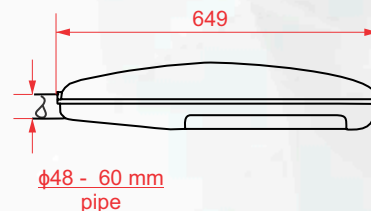


Parameter	Performance
Light source	HID Lamps
Power range	100 - 250
Body material	Die-cast aluminum
Frequency (Hz)	50
Input voltage	230
Power factor	0.95
Lamp holder	E40
Bracket holder diameter (mm)	48 - 60
Ambient temperature (OC)	35
Maximum weight (kg)	7.6 (250W NAV)
Installation height (m)	8 -12
Optical IP	65
Electrical IP	43 (keihan1), 65 (keihan2)
Dimension (cm)	65 x 27 x 17 (keihan1)
Dimension (cm)	66 x 29 x 18 (keihan2)
Area of the surface to be loaded (m²)	0.09
Protection class against electrical shock	Class I
Glass	Curved & flat toughened glass
Reflector	Anodized aluminum
Coating	Electrostatic powder painting
Package size (cm)	67 x 30 x 19 (± 0.5)
Empty body weight (kg)	4.95

Power(W)	Lamp	Capacitor (μF)	Current (A) without capacitor	Current (A) with capacitor	Lamp holder	Weight (kg)	
						keihan1	keihan2
150	NAV	18	1.8	0.6	E40	6.3	6.7
250	NAV	35	3	1.3	E40	7.8	8.2
250	HQL	18	2.2	1.2	E40	6.3	6.7

Standards		
International	National	Description
IEC 60598-1	ISIRI 5920-1	Luminaries - General requirements
IEC 60598-2-3	ISIRI 5920-2-3	Particular Requirements - luminaries for road & street lighting

All dimension in mm



Standards

International	National	Description
IEC 60598-1	ISIRI 5920-1	Luminaries - General requirements
IEC 60598-2-3	ISIRI 5920-2-3	Particular Requirements - luminaries for road & street lighting

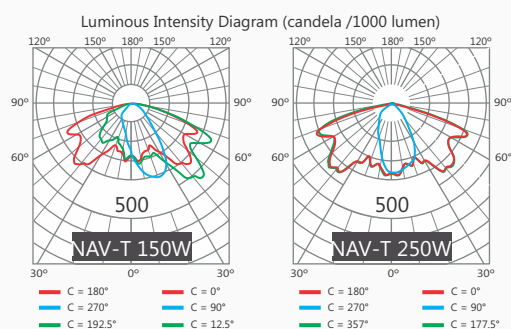
Available Lamp Type

High Pressure Sodium (HPS)								Mercury Vapour (HQL)			
35 W	50 W	70 W	100 W	150 W	250 W	400 W	600 W	125 W	250 W	400 W	
Can be used but not economical	Can be used but not economical	Can be used but not economical	Can be used	Can be used	Can be used	Can not be used	Can not be used	Can be used but not economical	Can be used	Can not be used	
											

IP65
Optical



IP43
Electrical

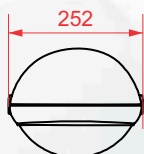




500

200

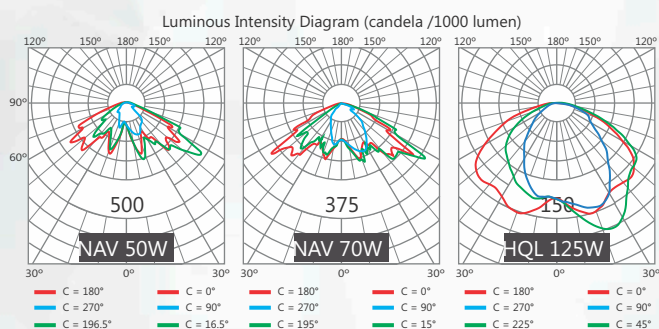
φ33 - 42 mm
pipe



Parameter	Performance
Light source	HID Lamps
Power range	35 - 125
Body material	Die-cast aluminum
Frequency (Hz)	50
Input voltage	230
Power factor	0.95
Lamp holder	E27
Bracket holder diameter (mm)	33 - 42
Ambient temperature (°C)	35
Maximum weight (kg)	5.2 (70W NAV)
Installation height (m)	6 - 8
Optical IP	65
Electrical IP	43
Dimension (cm)	50 x 25 x 20
Area of the surface to be loaded (m²)	0.08
Protection class against electrical shock	Class I
Glass	Curved & flat toughened glass
Reflector	Anodized aluminum
Coating	Electrostatic powder painting
Package size (cm)	51 x 25.5 x 21 (± 0.5)
Empty body weight (kg)	3.4

Power(W)	Lamp	Capacitor (μF)	Current (A) without capacitor	Current (A) with capacitor	Lamp holder	Weight (kg)
35	NAV	9	0.5	0.2	E27	5
50	NAV	10	0.8	0.3	E27	5.1
70	NAV	12	1	0.4	E27	5.3
125	HQL	9	1.2	0.7	E27	5.3

Standards		
International	National	Description
IEC 60598-1	ISIRI 5920-1	Luminaries - General requirements
IEC 60598-2-3	ISIRI 5920-2-3	Particular Requirements - luminaries for road & street lighting



Available Lamp Type

High Pressure Sodium (HPS)							Mercury Vapour (HQL)			
35 W	50 W	70 W	100 W	150 W	250 W	400 W	600 W	125 W	250 W	400 W
										

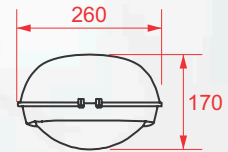
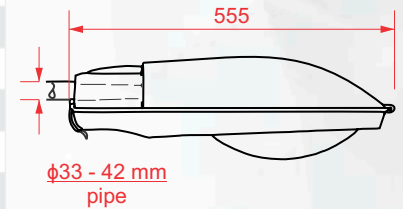
 Can be used but not economical
 Can be used
 Can not be used

 Tubular lamps
 Elliptical lamp

IP65 Optical    **IP43** Electrical            



All dimension in mm



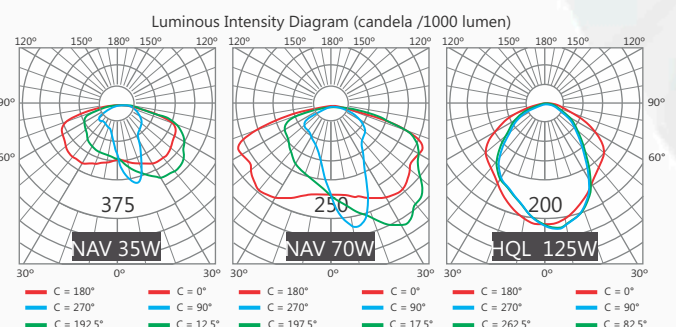
Parameter	Performance
Light source	HID Lamps
Power range	35 - 125
Body material	Die-cast aluminum
Frequency (Hz)	50
Input voltage	230
Power factor	0.95
Lamp holder	E27
Bracket holder diameter (mm)	33 - 42
Ambient temperature (°C)	35
Maximum weight (kg)	4.3 (70W NAV)
Installation height (m)	6 - 8
Optical IP	65
Electrical IP	43 / 65
Dimension (cm)	50 x 26 x 17
Area of the surface to be loaded (m²)	0.066
Protection class against electrical shock	Class I
Glass	Curved & flat toughened glass
Reflector	Anodized aluminum
Coating	Electrostatic powder painting
Package size (cm)	51 x 25 x 20.5 (± 0.5)
Empty body weight (kg)	2.9

Power(W)	Lamp	Capacitor (μF)	Current (A) without capacitor	Current (A) with capacitor	Lamp holder	Weight (kg)
35	NAV	9	0.5	0.2	E27	4.1
50	NAV	10	0.8	0.3	E27	4.2
70	NAV	12	1	0.4	E27	4.4
125	HQL	9	1.2	0.7	E27	4.4

Standards

International	National	Description
IEC 60598-1	ISIRI 5920-1	Luminaries - General requirements
IEC 60598-2-3	ISIRI 5920-2-3	Particular Requirements - luminaries for road & street lighting

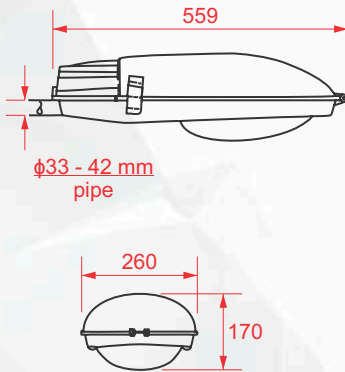
Available Lamp Type									
High Pressure Sodium (HPS)					Mercury Vapour (HQL)				
35 W	50 W	70 W	100 W	150 W	250 W	400 W	600 W	125 W	250 W
400 W									
Can be used but not economical					Can be used				
Can be used					Can not be used				



Mahtab 2 (G26)



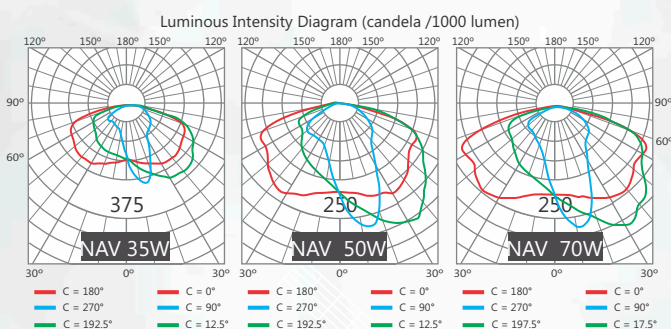
All dimension in mm



Parameter	Performance
Light source	HID Lamps
Power range	35 - 70
Body material	Die-cast aluminum
Frequency (Hz)	50
Input voltage	230
Power factor	0.95
Lamp holder	E27
Bracket holder diameter (mm)	33 - 42
Ambient temperature (°C)	35
Maximum weight (kg)	4.5 (70W NAV)
Installation height (m)	6 - 8
Optical IP	65
Electrical IP	65
Dimension (cm)	50 x 26 x 17
Area of the surface to be loaded (m²)	0.068
Protection class against electrical shock	Class I
Glass	Curved & flat toughened glass
Reflector	Anodized aluminum
Coating	Electrostatic powder painting
Package size (cm)	51 x 25 x 20.5 (± 0.5)
Empty body weight (kg)	3

Power(W)	Lamp	Capacitor (μF)	Current (A) without capacitor	Current (A) with capacitor	Lamp holder	Weight (kg)
35	NAV	9	0.5	0.2	E27	4.3
50	NAV	10	0.8	0.3	E27	4.4
70	NAV	12	1	0.4	E27	4.6

Standards		
International	National	Description
IEC 60598-1	ISIRI 5920-1	Luminaires - General requirements
IEC 60598 - 2 - 3	ISIRI 5920 2 -3	Particular Requirements - luminaries for road & street lighting



Available Lamp Type

High Pressure Sodium (HPS)							Mercury Vapour (HQL)			
35 W	50 W	70 W	100 W	150 W	250 W	400 W	800 W	125 W	250 W	400 W
										

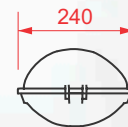
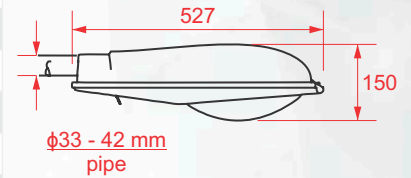
 Can be used but not economical
 Can be used
 Can not be used

 Tubular lamps
 Elliptical lamp

IP65 Optical    **IP65** Electrical      



All dimension in mm



Parameter	Performance
Light source	HID Lamps
Power range	35 - 125
Body material	Die-cast aluminum
Frequency (Hz)	50
Input voltage	230
Power factor	0.95
Lamp holder	E27
Bracket holder diameter (mm)	33 - 42
Ambient temperature (°C)	35
Maximum weight (kg)	4.2 (70W NAV)
Installation height (m)	6 - 8
Optical IP	65
Electrical IP	44
Dimension (cm)	53 x 24 x 15
Area of the surface to be loaded (m²)	0.065
Protection class against electrical shock	Class I
Glass	Curved & flat toughened glass
Reflector	Anodized aluminum
Coating	Electrostatic powder painting
Package size (cm)	56 x 25 x 20.5 (± 0.5)
Empty body weight (kg)	2.35

Power(W)	Lamp	Capacitor (μF)	Current (A) without capacitor	Current (A) with capacitor	Lamp holder	Weight (kg)
35	NAV	9	0.5	0.2	E27	4.5
50	NAV	10	0.8	0.3	E27	4.6
70	NAV	12	1	0.4	E27	4.8
125	HQL	9	1.2	0.7	E27	4.8

Standards

International	National	Description
IEC 60598-1	ISIRI 5920-1	Luminaries - General requirements
IEC 60598-2-3	ISIRI 5920-2-3	Particular Requirements - luminaries for road & street lighting

Available Lamp Type

High Pressure Sodium (HPS)

35 W

50 W

70 W

100 W

150 W

250 W

400 W

600 W

Mercury Vapour (HQL)

125 W

250 W

400 W

Can be used but not economical

Can be used

Can not be used

Tubular lamps

Elliptical lamp

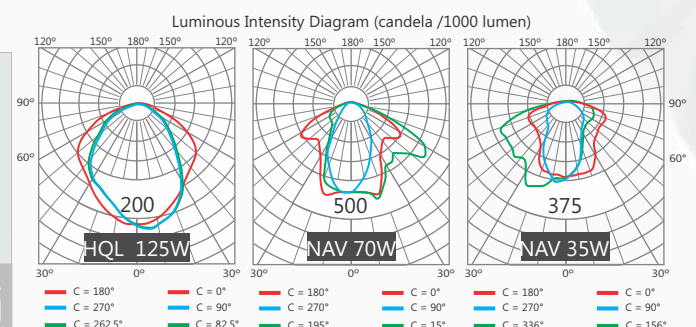
IP65 Optical

IP44 Electrical

6-8

F

UVI





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