

# Street Light



## INX-SPLY 20W/24W/30W/36W/50W/60W/ 72W/82W/90W/100W/110W/120W/150W/200W/250W

Design, developed and manufactured with the aim to become your long term partner for lighting solution for the outdoor needs. The architecture of INX -SPLY enables you to enjoy the benefits of high energy efficiency. It is designed to achieve better light uniformity and a maximum spacing between poles for both pedestrian and vehicle road applications. With its pressure die-casted aluminum housing and OSRAM LED platform, it is easy to maintain, has a long lifetime, and a consistency you can count on. INX-SPLY offers(upto) 50% energy savings compared to conventional lamp systems, making it the perfect sustainable lighting solution for any emerging metropolis and industrial application.

#### **APPLICATIONS**



**CAMPUS LIGHTING** 





PARKS CAR PARKING TOWNSHIPS





**ROADS** 



PERIMETER INDUSTRIAL **LIGHTING** 



**LIGHTING** 



#### HIGHER **EFFICIENCY**

Best in class and long life LEDs with good LED driver results in energy savings upto 50%

#### STATE OF THE ART **DESIGN**

Compact and aesthetic design of InnovateNX Lights with the urban architecture and landscapes making the road and area even more bright

#### LONGER LIFE

Better thermal management results in the longer durable and maintenance free performance

#### RUGGED **BODY**

Aluminum pressure die casted housing with better protection against solid and liquid particle ingress i.e. IP65/66 build

#### **FEATURES**

- Aluminium pressure die-casted housing for longer life
- Pure polyester powder coated dark gray housing
- High efficiency, long life LEDs upto 50000 hours
- High purity Poly Carbonate lens diffuser with silicon gaskets

#### **INSTALLATION**

• Suitable for external pole dia. up to 35-38mm (20W, 24W & 30W), 38-42mm (30W, 36W, 50W, 60W, 72W, 82W,90W &110W)

Datasheet, 2024, Oct 4 data subject to change

# INX-SPLY

#### **PRODUCT TECHNICAL SPECIFICATION**

Light source color  White  No Corrivor included  Yes Optical cover/fens type Polycarbonate micro lens Cornection Mains outlet socket Cable Protection class IEC Safety class I (1) Fire minuted by the polycarbonate micro lens Cornection Mains outlet socket Cable Protection class IEC Safety class I (1) Fire mounting on normally flammable surfaces)  Input Votage  Inpu				
Light source rolor White    Polycarbonate micro lans	General information			Class B, luminaire is equipped with some
Control interface Control interface Control interface Cable	Light source color	White	class	serviceable parts (when applicable): drive
Control Interface   Polycarbonate micro lens	Light source replaceable	No		control units, surge protection device, fro
Light technical   Connection   Mains outlet socket	Driver included	Yes		cover and mechanical parts
Standard tilt angle posttop   -	Optical cover/lens type	Polycarbonate micro lens		
Cable   Protection class IEC   Safety class I (!)	Control interface	-	Light technical	
Protection class IEC Safety class I (i) Flammability mark F (For mounting on normally flammable surfaces)  EE mark No  BIS mark Yes Constant light output Yes Light source engine type LED  Controls and dimming  Dimmable No  Mechanical and housing Housing Material Aluminum die-cast Initial LED luminaire efficacy Initial correction code (For Agmin)  Diptical cover/lens shape  Ball, globular  Diptical cover/lens finish Clear  Diverall height Yem yield the length of 74 tiny yield may a yasom mr / 81 x 180 x 473 mm  Dimmessions (Height x Width x length) 74x 139 x 350 mm / 81x 180 x 473 mm  Dimpersor protection code (P65 /P66 [ Dust proof & jet-proof] Mech. impact protection code (IK08 [ 5 J vandal-protected] Common/Differential)  Common/Differential)  Discourage Variage (Post Agmin)  Differential mode and 15 kV common mode (P65 /P66 [ Dust proof & jet-proof] Mech. impact protection code (IK08 [ 5 J vandal-protected] Common/Differential)  Differential mode and 15 kV common mode (IR08 [ 5 J vandal-protected] (IR08 [ 5	Connection	Mains outlet socket	Standard tilt angle posttop	-
Injust Voltage   220 to 240 V	Cable	-		
Surfaces   Input Frequency   50 /60 Hz	Protection class IEC	Safety class I (I)	Operating and electrical	
Power Factor (Min)   0.95	Flammability mark	F [ For mounting on normally flammable	Input Voltage	220 to 240 V
BBS mark  Yes  Constant light output  Yes  Light source engine type  LED  Controls and dimming  Dimmable  No  Initial LED luminaire efficacy  Initial Corr. Color Temperature  Initial L		surfaces]	Input Frequency	50 /60 Hz
Constant light output  Ves  Light source engine type  LED  Controls and dimming  Initial LED luminaire efficacy  Initial LED luminaire efficacy  Initial LED luminaire efficacy  Initial Corr. Color Temperature  4000-6000 K  Initial LED luminaire efficacy  Initial Corr. Color Temperature  4000-6000 K  Initial Input power  Various  Diptic acover/lens material  Polycarbonate  Power consumption tolerance  Power consumption toleran	CE mark	No	Power Factor (Min)	0.95
Light source engine type  LED  Controls and dimming  Dimmable  No  Initial LED luminaire efficacy  Initial Corr. Color Temperature  4000-6000 K  Initial Corr. Color Remering Index  70  Initial Corr. Color Remering Index  70  Polycarbonate  Power consumption tolerance  4/-10%  Application conditions  Application conditions  Application conditions  Application conditions  Application conditions  Ambient temperature range  -40 to +50 °C  Product data	BIS mark	Yes		
Luminous flux tolerance	Constant light output	Yes		
Initial LED luminaire efficacy   130 lm/W   Init. Corr. Color Temperature   4000-6000 K   Init. Color Rendering Index   >70   Initial chromaticity   (0.38, 0.38) SDCM < 5   Initial chromaticity   (0.38, 0.38) SDCM < 5   Initial chromaticity   (0.38, 0.38) SDCM < 5   Initial chromaticity   Initial input power   Various   Vari	Light source engine type	LED		
Mechanical and housing Housing Material Aluminum die-cast Diptic material Polycarbonate Diptical cover/lens material Polycarbonate Diptical cover/lens shape Ball, globular Diptical cover/lens finish Clear Diptical cover/lens finish Clear Diptical cover/lens finish Clear Diverall height Thum / 81 mm Diverall height Thum / 81 mm Full product code Dimensions (Height x Width x length) 74x 139 x 360 mm / 81x 180 x 473 mm Dimensions (Height x Width x length) 74x 139 x 360 mm / 81x 180 x 473 mm Dimensions (Height x Width x length) Discord Common/Differential)  Luminaire surge protection level until 15 kV common mode  Jinit. Color Color Temperature Aluminative Alumi	Controls and dimming		Luminous flux tolerance	+/-10%
Init. Color Rendering Index   >70	Dimmable	No	Initial LED luminaire efficacy	130 lm/W
Initial chromaticity (0.38, 0.38) SDCM < 5  Initial chromaticity (0.38, 0.38) SDCM < 5  Initial input power Various  Power consumption tolerance +/-10%  Power consumption tolerance +/-10%  Application conditions  Application conditions  Ambient temperature range -40 to +50 °C  Application conditions  Ambient temperature range -40 to +50 °C  Product data  Full product code  Order product name INX-SPLY-XXX W  Order code -  Numerator - Quantity Per Pack 1  Numerator - Packs per outer box 20  Net Weight (Piece)  Net Weight (Piece)  Initial input power Various  Various  Power consumption tolerance +/-10%  Application conditions  Ambient temperature range -40 to +50 °C  Order code -  Order product data  Full product code  Order code -  Order code -  Numerator - Quantity Per Pack 1  Numerator - Packs per outer box 20  Net Weight (Piece)  Net Weight (Piece)  Net Weight (Piece)			Init. Corr. Color Temperature	4000-6000 K
Description   Polycarbonate   Polycarbonate   Polycarbonate   Power consumption tolerance   Po	Mechanical and housing		Init. Color Rendering Index	>70
Power consumption tolerance +/-10%  Power consumption tolerance +/-10%  Power consumption tolerance +/-10%  Power consumption tolerance +/-10%  Application conditions  Application conditions  Application conditions  Application conditions  Application conditions  Ambient temperature range -40 to +50 °C  Powerall length 360 mm / 473 mm  Product data  Full product code  Order product name INX-SPLY-XXX W  Order code -  Numerator - Quantity Per Pack 1  Numerator - Packs per outer box 20  Mech. impact protection code IRO8 [5 J vandal-protected]  Europe Protection Code IKO8 [5 J vandal-protected]  Europe Protection Code ILO Internation Indigence and 15 kV common mode IS kV common mode  Order code IRO8 [5 J vandal-protected]  Europe Protection Code ILO Internation Indigence and 15 kV common mode IRO INTERNATION INTERNATIO	Housing Material	Aluminum die-cast	Initial chromaticity	(0.38, 0.38) SDCM < 5
Mounting device Side-entry for circle diameter 36-42 mm]  Optical cover/lens shape Ball, globular  Optical cover/lens finish Clear  Ambient temperature range -40 to +50 °C  Order code  Order product data  Full product code  Order code -  Order code -  Order code -  Numerator - Quantity Per Pack 1  Numerator - Packs per outer box 20  Net Weight (Piece)  Fig.   Feel   KCB     Fig.   Feel   KCB	Optic material	Polycarbonate	Initial input power	Various
Application conditions  Application conditions  Application conditions  Application conditions  Application conditions  Application conditions  Ambient temperature range -40 to +50 °C  Application conditions  Ambient temperature range -40 to +50 °C  Application conditions  Ambient temperature range -40 to +50 °C  Application conditions  Ambient temperature range -40 to +50 °C  Application conditions  Ambient temperature range -40 to +50 °C  Am	Optical cover/lens material	Polycarbonate	Power consumption tolerance	+/-10%
Description of the product code of the product data    Product data   Product code	Mounting device	Side-entry for circle diameter 36-42 mm]		
Overall length 360 mm / 473 mm Overall width 139 mm / 180 mm  Full product data  Full product code Order product name Order code Order product name Order code Order code Order code Order code Order code  Numerator - Quantity Per Pack Invariant - Packs per outer box Order code Order code IP65 /IP66 [Dust proof & jet-proof] Order code IK08 [5 J vandal-protected]  Surge Protection code IK08 [5 J vandal-protected] Unimaire surge protection level until 15 kV differential mode and 15 kV common mode  Full product code Order product name INX-SPLY- XXX W Order code INX-SPLY- XXX W INX-SPLY- XXX W Order code INX-SPLY- XXX W Order code INX-SPLY- XXX W Order code INX-SPLY- XXX W INX-SPLY- XXX W Order code INX-SPLY- XXX W INX-SPLY- XXX W INX-SPLY- XXX W Order code INX-SPLY- XXX W	Optical cover/lens shape	Ball, globular	Application conditions	
Diverall width  139 mm / 180 mm  74mm / 81 mm  Full product code  Order product name  INX-SPLY- XXX W  Order code  Order code  -  Numerator - Quantity Per Pack  Ingress protection code  IP65 /IP66 [ Dust proof & jet-proof]  Mech. impact protection code  IK08 [ 5 J vandal-protected]  Luminaire surge protection level until 15 kV differential mode and 15 kV common mode  Full product code  INX-SPLY- XXX W  Order code  -  Numerator - Quantity Per Pack  Numerator - Packs per outer box  20  Net Weight  (Piece)  Full product code  INX-SPLY- XXX W  Order code  -  Numerator - Packs per outer box  20  Net Weight  (Piece)  Full product code  INX-SPLY- XXX W  Order code  -  Numerator - Packs per outer box  20  Net Weight  (Piece)  Full product code  INX-SPLY- XXX W  Order code  -  Numerator - Packs per outer box  20  Net Weight  (Piece)  Full product code  INX-SPLY- XXX W  Order code  -  Numerator - Packs per outer box  20  Net Weight  (Piece)  Full product code  INX-SPLY- XXX W  Order code  -  Numerator - Packs per outer box  20  Net Weight  (Piece)	Optical cover/lens finish	Clear	Ambient temperature range	-40 to +50 ℃
Full product code  Order product name  INX-SPLY-XXX W  Order code  Order code  Numerator - Quantity Per Pack  Ingress protection code  IF65 /IP66 [Dust proof & jet-proof]  Mech. impact protection Common/Differential)  Luminaire surge protection level until 15 kV differential mode and 15 kV common mode  Full product code  INX-SPLY-XXX W  Order code  - Numerator - Quantity Per Pack  Numerator - Packs per outer box  20  Net Weight (Piece)  Fried KSB  Fill product code  INX-SPLY-XXX W  Order code  - Numerator - Quantity Per Pack  1  Numerator - Packs per outer box  20  Fried  KSB  Fried  KSB  Fried  Fried  Fried  KSB  Fried  Fried  Fried  KSB  Fried  Fried	Overall length	360 mm / 473mm		
Order product name  INX-SPLY- XXX W  Order code  -  Numerator - Quantity Per Pack  Numerator - Packs per outer box  Approval and application  Ingress protection code  IP65 /IP66 [ Dust proof & jet-proof]  Mech. impact protection  Luminaire surge protection level until 15 kV differential mode and 15 kV common mode  Order product name  INX-SPLY- XXX W  Numerator - Quantity Per Pack  Numerator - Packs per outer box  20  Net Weight  (Piece)  Fr   IP66   K(3)	Overall width	139 mm / 180 mm	Product data	
Color Gray Order code Dimensions (Height x Width x length) 74x 139 x 360 mm / 81x 180 x 473 mm  Numerator - Quantity Per Pack Numerator - Packs per outer box  Approval and application Ingress protection code IP65 /IP66 [Dust proof & jet-proof] Mech. impact protection code IK08 [5 J vandal-protected] Surge Protection Common/Differential)  Luminaire surge protection level until 15 kV differential mode and 15 kV common mode	Overall height	74mm / 81 mm	Full product code	
Numerator - Quantity Per Pack   1   Numerator - Packs per outer box   20	Effective projected area	-	Order product name	INX-SPLY-XXX W
Numerator - Packs per outer box  Approval and application  Ingress protection code  IP65 /IP66 [Dust proof & jet-proof]  Mech. impact protection code  IK08 [5 J vandal-protected]  Luminaire surge protection level until 15 kV differential mode and 15 kV common mode  F IP66 KCB	Color	Gray	Order code	-
Approval and application  Ingress protection code  IP65 /IP66 [ Dust proof & jet-proof]  Mech. impact protection code  IK08 [ 5 J vandal-protected]  Luminaire surge protection level until 15 kV differential mode and 15 kV common mode  F Ple6 KB	Dimensions (Height x Width x len	gth) 74x 139 x 360 mm / 81x 180 x 473 mm	Numerator - Quantity Per Pack	1
Ingress protection code  IP65 /IP66 [ Dust proof & jet-proof]  Mech. impact protection code  IK08 [ 5 J vandal-protected]  Surge Protection  Luminaire surge protection level until 15 kV differential mode and 15 kV common mode			Numerator - Packs per outer box	x 20
Ingress protection code  IP65 /IP66 [ Dust proof & jet-proof]  Mech. impact protection code  IK08 [ 5 J vandal-protected]  Luminaire surge protection level until 15 kV differential mode and 15 kV common mode	Approval and application		Net Weight	1.250 kg / 1.700 kg
Common/Differential)  Luminaire surge protection level until 15 kV differential mode and 15 kV common mode	Ingress protection code	IP65 /IP66 [ Dust proof & jet-proof]		
Common/Differential)  Luminaire surge protection level until 15 kV  Common/Differential mode and 15 kV common mode	Mech. impact protection code	IK08 [ 5 J vandal-protected]		
nitial performance (IEC compliant)	Surge Protection (Common/Differential)		F IP66 IK08	
	Initial performance (IEC com	pliant)		



Initial luminous flux (system flux)

2500-30000 lm

### **ELECTRICAL DATA**

CAT NO.	POWER (W)	RATED VOLTAGE (V)	MAINS CURRENT (A)	CASE LOT (IN NOS.)
INX -SPLY-020 W	20	240	0.085	20
INX -SPLY-024 W	24	240	0.100	20
INX -SPLY-030 W	30	240	0.125	20
INX -SPLY-036 W	36	240	0.150	20
INX -SPLY-050 W	50	240	0.208	20
INX -SPLY-060 W	60	240	0.250	20
INX -SPLY-072 W	72	240	0.300	20
INX -SPLY-082 W	82	240	0.342	10
INX -SPLY-090 W	90	240	0.375	10
INX -SPLY-100 W	100	240	0.416	10
INX -SPLY-110 W	110	240	0.458	10
INX -SPLY-120 W	120	240	0.500	10
INX -SPLY-150 W	150	240	0.625	08
INX -SPLY-200 W	200	240	0.833	05
INX -SPLY-250 W	250	240	1.041	04

LED is an ever improving and evolving technology. InnovateNX is committed to bring you the best in LED technology. Data given is representative and can change.

### **DIMENSIONAL DRAWING**



