

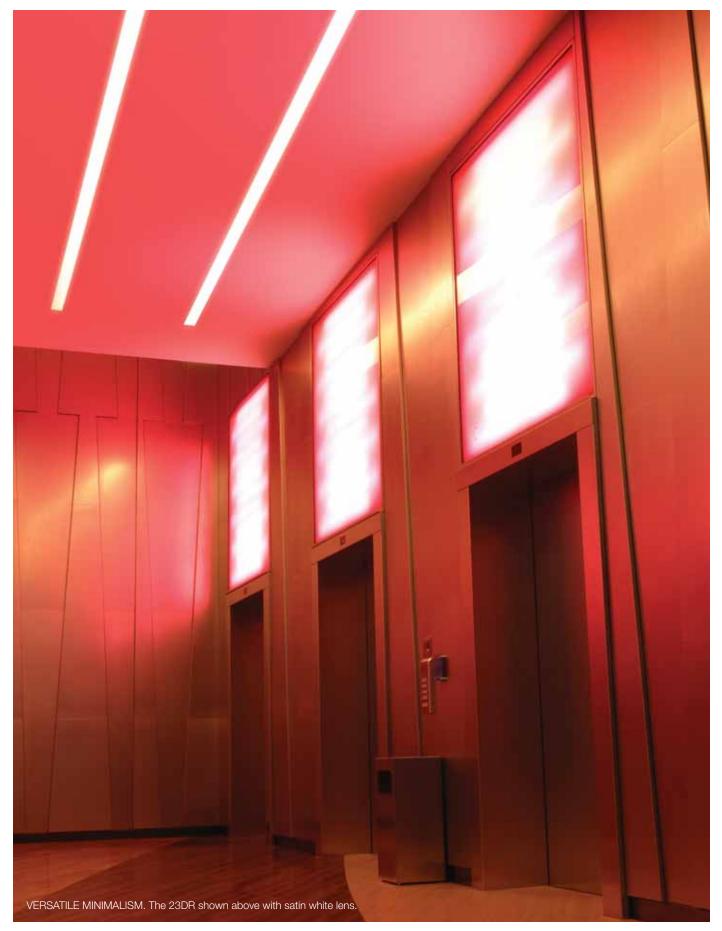


STRAIGHT & NARROW



product overview
22 series5-6
23 series7-8
23X wall wash9-10
features11-12
mounting
applications 15
gallery16
photometrics17-18





neorey

STRAIGHT & NARROW

A return to simplicity, elegance and minimalism. Slender lines of light set in an architectural environment are the essence of STRAIGHT & NARROW.

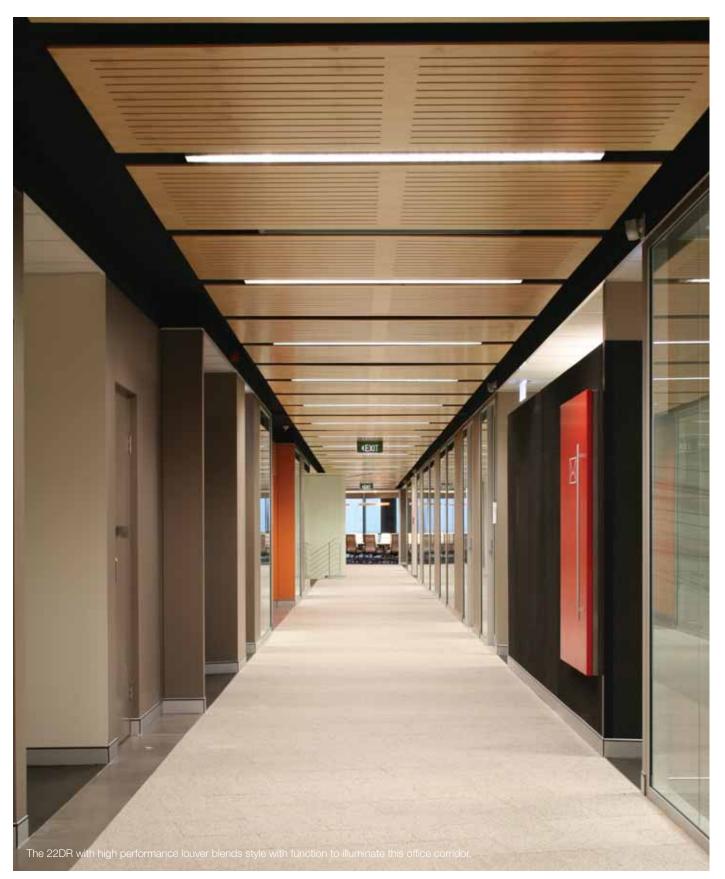
Starting at just over 2" wide the STRAIGHT & NARROW series provides unlimited flexibility by adapting to the architecture of the space. Offered in recessed, suspended, surface, wall mount and in-wall configurations with a selection of up to (7) shielding and reflector systems for symmetrical and asymmetrical, direct or indirect applications.

Available in T5, T5HO and T8 lamping configurations with optional MR16 point source modules. STRAIGHT & NARROW's extruded form allows for precise custom lengths to create beautiful bands of illumination.



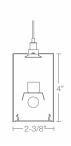


03 neonau

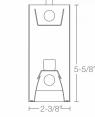


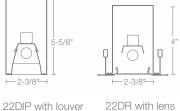
(1) LAMP T5 and T5HO

- Standard or custom fixture lengths (standard 3', 4', 6' and 8' individual lengths)
- Fits Sheet Rock, ETG and STG applications without interference
- "In Wall" for highlighting and wayfinding applications
- Continuous runs in 1' increments available (other custom lengths can be configured per application)
- Flanged or Flangeless trims optional
- 90 degree and T Corner capability
- Standard finish is White (optional Silver, Black or RAL color matches available)
- Shielding options:
 - Flush Satin Lens
 - High Performance Louver
 - White Louver
 - Louvers available with Acrylic overlay



2-3/8"





22DP with lens

22DP with louver

22DR with lens

CONFIGURATIONS / OPTIONS

















Recessed

Satin White Lens

High Performance Louver

White Louver

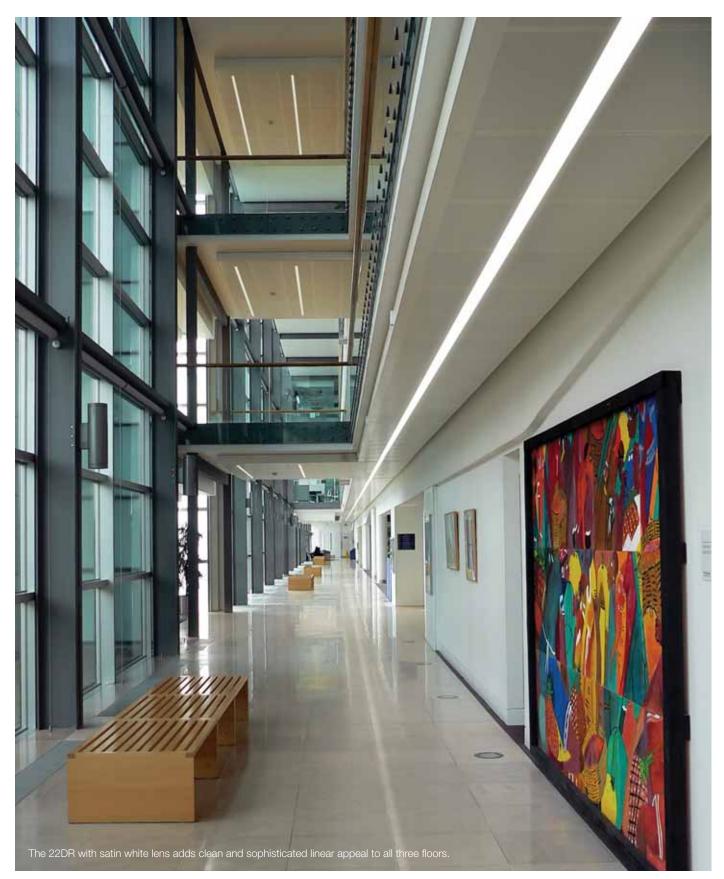
Continuous Line

Corner Unit



Direct / Indirect (top view)

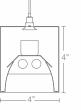




neorey™ 06

(1) or (2) LAMP T5 and T5HO or T8

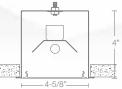
- Standard or custom fixture lengths (standard 3', 4', 6' and 8' individual lengths)
- Fits Sheet Rock, ETG and STG applications without interference
- "In Wall" for highlighting and wayfinding applications
- Continuous runs in 1' increments available (other custom lengths can be configured per application)
- Flanged or Flangeless Trim optional
- Shielding options:
 - Flush Satin Lens
 - High Performance Louver
 - White Louver
 - Louvers available with Acrylic overlay
- Regressed trim with Satin Lens provided in 3' and 4' lengths
- Continuous runs provided in 3', 4', 6' and 8' sections
- Optional 90 degree and T Corner capability
- Optional adjustable or fixed MR16 modules for highlighting applications
- Available lamp staggering: - 6" T5 and T5HO
- 3" T8
- Standard finish is White (optional Silver, Black or RAL color matches available)











23DP with louver

23DP with lens

23DIP with lens

23DR with lens

CONFIGURATIONS / OPTIONS















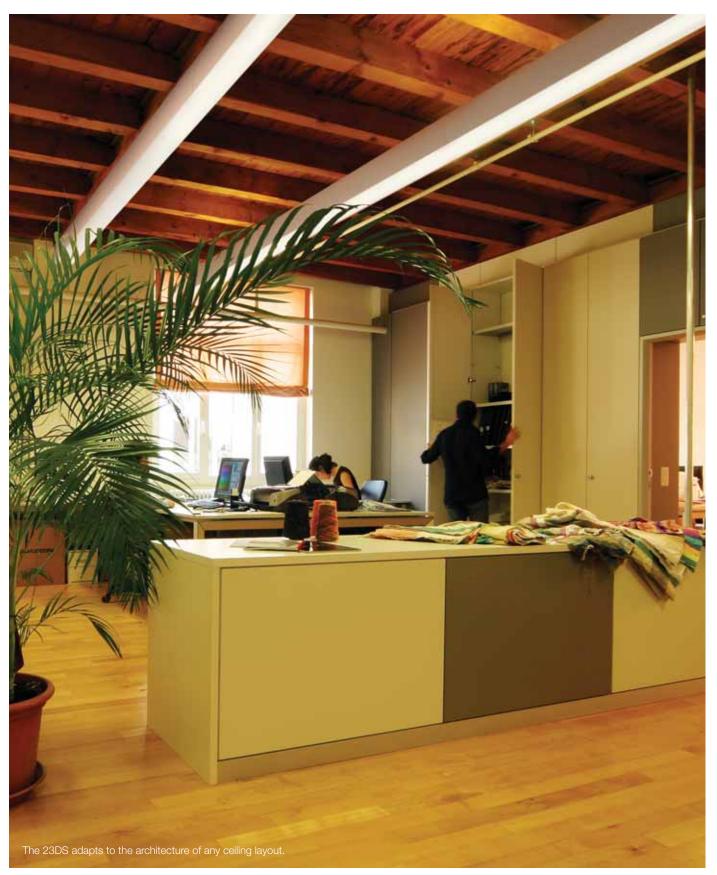


Recessed

Satin White Lens High Performance White Louver Louver

with MR16





STRAIGHT & NARROW 23X WALL WASH

(1) LAMP T5 and T5HO

- Provides soft and uniform ceiling to floor illumination ideal for wash applications
- 95% reflective Miro Grade material used to maximize uniform light output and eliminate unwanted spill light (see figure 1)
- Heavy Wall Matte Black Perforated Kick Shield eliminates glare for comfortable illumination (see figure 2)
- Optional adjustable or fixed MR16 modules in 3', 4' and 5' lengths for highlighting applications (see figure 3)
- Optional Baffle
- Standard or custom fixture lengths (standard 3', 4' and 5' individual lengths)
- Fits Sheet Rock, Exposed T Grid and Slot T Grid applications
- Flanged or Flangeless Trim optional







Patent pending adjustable ceiling mounting system. Adjusts to various ceiling grid types and enables end installation precise fit for integrated ceiling appearance. Access plate and pre-wired assembly allows for easy wiring.

23X 1T5HO lamp Efficiency 61.7 Test#168P236

	Zonal L	Zonal Lumen Summary							
	Zone	Lumens	%Lamp	%Fixture					
7%	0-30	650	13.0	21.1					
6 0-40		1146	22.9	37.1					
	0-60	2174	43.5	70.4					
	0-90	3068	61.4	99.4					
	0-180	3086	61.7	100.0					
	Total Luminaire Efficiency = 61.7%								

_	1		İ
		Ĭ	F
	-	5/	N tł 3 g b
			g
		0 /-	D

One piece unit is easy to install

3/4"

Recommended distance from fixture ongitudinal axis and wall is 1' to 3'. Optimum performance distance is 2'. Not recommended for use outside his range. Fixture housing lengths are 3', 4' and 5' mounted individually in grid ceilings and in sheet rock. Can be mounted in continuous rows.

-3-1/4"

4-3/4"-

4-5/8

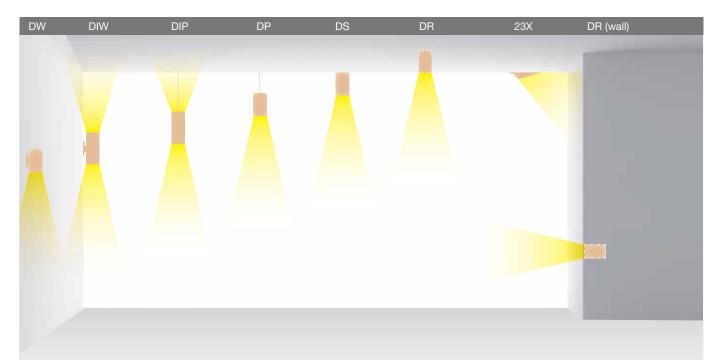
Candela Distribution

	0	45	90		0	45	90
0	417	417	417	55	1344	1189	204
5	883	734	417	65	1143	968	132
15	1999	1698	403	75	746	661	63
25	1912	1873	374	85	419	310	9
35	1768	1692	330	90	222	144	2
45	1530	1475	272	95	46	6	2



STRAIGHT & NARROW FEATURES

CONFIGURATIONS AT A GLANCE



GENERAL FEATURES

- Extruded aluminum housing allows for precise lengths for custom applications
- Corner assembly provides the ability to make custom configurations of your choice
- No visible hardware in suspended applications
- On Grid mounting system in 4' and 8' suspended applications with +- 3" flexibility in mounting of canopy cables
- Rectilinear canopy cover provides matching form to luminaire
- Flanged or Flangeless trims for Drywall Ceiling systems
- Fits Grid Ceilings for Lay-in and continuous applications for ETG and STG ceiling types
- Hairline Joiner system for continuous runs provides seamless transition between luminaires

LAMP OPTIONS

- Available in T5, T5HO and T8
- Staggered one and two lamp continuous lighting system for sheetrock or lay-in ceilings with telescopic optics for virtual elimination of socket shadows
- Low glare, asymmetrical wall wash optical system for providing uniform ceiling to floor illumination
- Forward throw upper channel wall wash optics for suspended and wall mount applications (23 Series only)
- MR16 adjustable or fixed location down light for highlighting applications. (5) filter options available. Available on the 23 Series and 23X Wall Wash

SHIELDING OPTIONS

- Extruded Flush Satin Lens: smooth diffusion of lamp image with tool-less removal
- Pearlescent Knife Edge Louver: providing 50° cutoff, the louver utilizes 95% matte Miro 5 material for high efficiency, while utilizing a vertical grain orientation to disperse lamp image
- Matte White Knife Edge Louver: provides blended transition to white finished ceilings
- Regressed Lens Trim can be finished to match ceiling details.
 Provided in 3' and 4' units for ease of maintenance (23 Series only)



STAGGERED LAMP DESIGN



STRAIGHT & NARROW 6" staggered lamp design virtually eliminates socket shadows for T5 and T5HO lamps. Adjustable 20" strip enables continuous light to the very end of fixture.

REGRESSED LENS



The regressed insert measures 0.75" in depth. The insert has a compact volume and a surface that is uniformly lit.

MR16 CONFIGURATIONS



It all starts with the bracket.



Insert lighting strip housing into bracket.



Bend bracket tabs down to secure lighting strip housing.



The two tabs secure lighting strip housing.



Attach top to lighting strip housing using screwdriver.



Lighting strip is ready to be lamped.



Adjust lighting strip to desired length.



Lighting strip adjusts up to 20".



Adjustable with Regressed Lens



Adjustable with Satin White Lens



Adjustable with High Performance Fixed with High Performance Louver



Fixed with Regressed Lens



Fixed with Satin White Lens



Louver





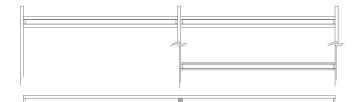
STRAIGHT & NARROW MOUNTING

RECESSED

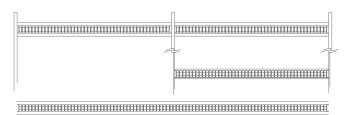


Patent pending adjustable ceiling mounting system. Adjusts to various ceiling grid types and enables end installation precise fit for integrated ceiling appearance. Access plate and pre-wired assembly allows for easy wiring. Recessed fixtures mount to ETG, STG and SR.





22DR Grid Mounting Options (shown with Lens)

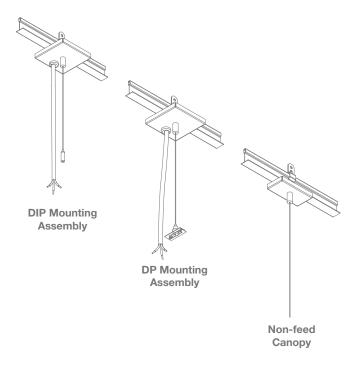


23DR Grid Mounting Options (shown with Louver)

SUSPENDED



Suspended fixtures mount to desired height on a variety of ceiling types including: (ETG) 15/16" exposed T grid ceiling, (STG) 9/16" screw slot T grid ceiling, or (SR) sheet rock ceiling.



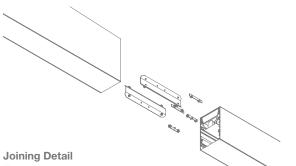
SURFACE

Surface fixtures mount to a variety of ceiling surfaces including: (ETG) 15/16" exposed T grid ceiling, (STG) 9/16" screw slot T grid ceiling, or (SR) sheet rock ceiling.

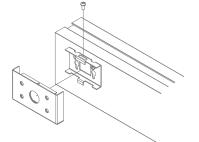
WALL



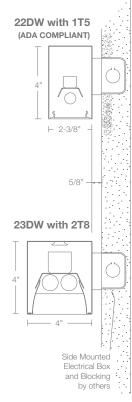
Wall fixture mounts directly to existing structure over 2" x 4" standard electrical box mounted in the wall. Blocking provided by customer/contractor.



For all options, fixture lengths are connected using simple internal hardware for seamless appearance.



Wall Mounting Detail Fixture connects to bracket quickly with only one screw. Electrical passes through bracket to remain hidden.

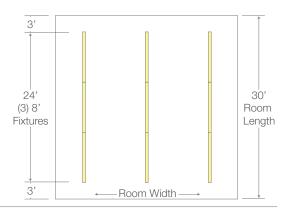




STRAIGHT & NARROW APPLICATIONS

			8' Ceiling Ht.	10' Ceiling Ht.	12' Ceiling Ht.
Row Spacing	Room Size	Power Density Watts / Sq. Ft.	Average Footcandles	Average Footcandles	Average Footcandles
6' oc	18' x 30'	1.14	55.4	50.7	46.4
8' oc	24' x 30'	.83	43.3	40.1	37.0
10' oc	30' x 30'	.66	NR	33.1	30.9

22 Recessed with 1T5 lamp and High Performance Louver [22DR-1T5-S90]



			8'	10'	12'
			Ceiling Ht.	Ceiling Ht.	Ceiling Ht.
Row Spacing	Room Size	Power Density Watts / Sq. Ft.	Average Footcandles	Average Footcandles	Average Footcandles
8' oc	24' x 30'	1.43	65.9	61.1	56.7
10' oc	30' x 30'	1.14	53.9	50.4	47.2
12' oc	36' x 30'	.95	45.7	42.9	40.4

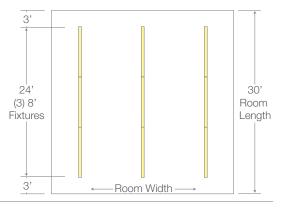


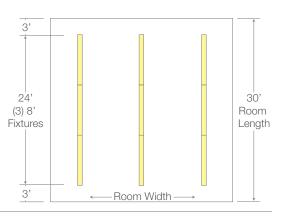
			8'	10'	12'
			Ceiling Ht.	Ceiling Ht.	Ceiling Ht.
Row Spacing	Room Size	Power Density Watts / Sq. Ft.	Average Footcandles	Average Footcandles	Average Footcandles
6' oc	18' x 30'	1.14	60	55.9	50.9
8' oc	24' x 30'	.83	47.6	43.5	40.6
10' oc	30' x 30'	.66	38.1	35.8	33.7

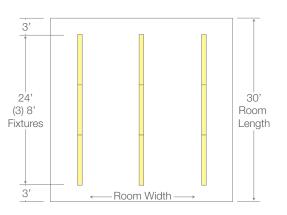
23 Recessed with 1T5 lamp and High Performance Louver [23DR-1T5-S90]

			8' Ceiling Ht.	10' Ceiling Ht.	12' Ceiling Ht.
Row Spacing	Room Size	Power Density Watts / Sq. Ft.	Average Footcandles	Average Footcandles	Average Footcandles
8' oc	24' x 30'	1.43	86.0	80.2	74.1
10' oc	30' x 30'	1.14	70.3	66.1	62.2
12' oc	36' x 30'	.95	NR	56.2	53.1

23 Recessed with 1T5HO lamp and High Performance Louver [23 DR-1T5HO-S90]







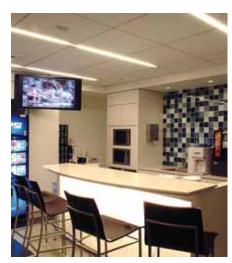
15 **neorey**



23DIP : overhead view 2x1 lamp configuration



22DR : elevator lobby



22DR : office kitchen and vending area







23DR : office loft environment









Neoray's 7A is an excellent companion product.

STRAIGHT & NARROW PHOTOMETRY

	22DR (Recessed) Satin White Lens (S92)	1T5 Lamp tested 37.0% efficiency Test# 13403
	22DR (Recessed) High Performance Louver (S91)	1T5 Lamp tested 77.0% efficiency Test# 13399
22 SERIES (Recessed) 1 T5 and T5HO	22DR (Recessed) White Louver (S91W)	1T5 Lamp tested 60.0% efficiency Test# 13401
	22DP (Direct Pendant) 22DW (Wall Mount) 22DS (Surface) Satin White Lens (S92)	1T5 Lamp tested 37.0% efficiency Test# 13403
	22DP (Direct Pendant) 22DW (Wall Mount) 22DS (Surface) High Performance Louver with Acrylic Overlay (S91P)	1T5 Lamp tested 58.7% efficiency Test# 13400
22 SERIES 1 T5 and T5HO	22DP (Direct Pendant) 22DW (Wall Mount) 22DS (Surface) White Louver with Acrylic Overlay (S91WP)	1T5 Lamp tested 46.2% efficiency Test# 13402
	22DP (Direct Pendant) 22DW (Wall Mount) Satin White Lens (S92)	1T5HO Lamp tested 34.3% efficiency Test# 13408

17 **Neonay**

22DP (Direct Pendant)

22DP (Direct Pendant)

22DW (Wall Mount)

White Louver (S91W)

22DIW (Wall Mount)

High Performance

Louver (S91)

111

1T5HO Lamp tested

1T5HO Lamp tested

53.5% efficiency

Test# 13406

67.8% efficiency

Test# 13404

		23DR (Recessed) Satin White Lens (S93) 23DR (Recessed) High Performance Louver (S90)	1T5 Lamp tested 47.0% efficiency Test# 13415 1T5 Lamp tested 81.8% efficiency Test# 13411
23 SERIES (Recessed) 1 or 2 T5, T5HO and T8	1999 111 111 111	23DR (Recessed) White Louver (S90W)	1T5 Lamp tested 63.3% efficiency Test# 13412
		23DP (Direct Pendant) 23DW (Wall Mount) 23DS (Surface) Satin White Lens (S93)	1T8 Lamp tested 45.8% efficiency Test# 13427
		23DP (Direct Pendant) 23DW (Wall Mount) 23DS (Surface) High Performance Louver (S90)	1T8 Lamp tested 76.7% efficiency Test# 13423
23 SERIES 1 or 2 T5, T5HO and T8		23DP (Direct Pendant) 23DW (Wall Mount) 23DS (Surface) White Louver (S90W)	1T8 Lamp tested 68.7% efficiency Test# 13425
		23DP (Direct Pendant) 23DW (Wall Mount) Satin White Lens (S93)	2T5 Lamp tested 43.1% efficiency Test# 13433
		23DP (Direct Pendant) 23DW (Wall Mount) High Performance Louver (S90)	2T5 Lamp tested 74.3% efficiency Test# 13429
	Tata a	23DP (Direct Pendant) 23DW (Wall Mount) White Louver (S90W)	2T5 Lamp tested 60.1% efficiency Test# 13431



Neo-Ray

100 Andrews Road Hicksville, NY 11801 TEL 516 470 1000 FAX 516 470 1077

CUSTOMER FIRST CENTER

1121 Highway 74 South Peachtree City, Georgia 30269 TEL 770 486 4800 FAX 770 486 4801

Domestic Facilities, USA

Cranbury, New Jersey Elk Grove Village, Illinois Irving, Texas Ontario, California Peachtree City, Georgia

International Sales, USA Peachtree City, Georgia

CANADA

Cooper Lighting 5925 McLaughlin Road Mississauga, Ontario L5R 1B8 TEL 905 507 4000 FAX 905 568 7049

Domestic Facilities, Canada

Calgary, Alberta Chomedey, Laval P.Q.

Cooper Lighting, Inc. All rights reserved Printed in USA



The Cooper Lighting Family Halo **Cooper Lighting - Metalux Cooper Lighting - Lumark Cooper Lighting - Sure-Lites Neo-Ray** Corelite **Portfolio** Iris Shaper Lumiere Invue **McGraw-Edison Fail-Safe MWS** DLS **RSA**

Ametrix

Download from Www.Somanuals.com. All Manuals Search And Download.

Free Manuals Download Website <u>http://myh66.com</u> <u>http://usermanuals.us</u> <u>http://www.somanuals.com</u> <u>http://www.4manuals.cc</u> <u>http://www.4manuals.cc</u> <u>http://www.4manuals.cc</u> <u>http://www.4manuals.com</u> <u>http://www.404manual.com</u> <u>http://www.luxmanual.com</u> <u>http://aubethermostatmanual.com</u> Golf course search by state

http://golfingnear.com Email search by domain

http://emailbydomain.com Auto manuals search

http://auto.somanuals.com TV manuals search

http://tv.somanuals.com