6CRDI LED
6.5" Direct/Indirect Cylinder – Round

Williams

ø2-1/2"

22-7/8"

ø4-1/2"
ø6-1/2"

CM Shown

CATALOG #: _____

TYPE: _____

PROJECT: _____

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FEATURES

TrimLock®

- Wide range of lumen options for general illumination
- Smoothly accent walls and eliminate dark ceilings with direct and indirect lighting
- Parallel the performance and style of the Williams downlight collection
- Precision illumination with 10° narrow to 65° wide optics
- Complement the architectural elements of any space with a multitude of housing, trim and cord finishes

SPECIFICATIONS

- **HOUSING** – Extruded aluminum with die-cast aluminum accent ring.
- **FINISH** – Polyester powder coat bonded to phosphate-free, multi-stage pretreated metal. All parts painted after fabrication to facilitate installation, increase efficiency, and inhibit corrosion.
- **TRIMLOCK** – Innovative TrimLock® reflector retention system ensures trim remains secure.
- **OPEN REFLECTOR** – Low-iridescent anodized aluminum. Clear semi-specular finish standard.
- **LENSED TRIM** – Die-cast aluminum frame with micro-prismatic, tempered glass lens.
- **ELECTRICAL** – High-performance Class 2 C.O.B. LED array. Modular quick-connect plug for easy field-connection of LED light assembly to driver. Reported L70>55,000 hours. Reported L90>55,000 hours. Estimated L70 = 200,000 hours.
- **MOUNTING** – Cable or wall mount. Indoor applications only. Max weight 14-1/2 lbs.
- **LISTINGS** –
  - cCSAus conforms to UL STD 1598 and UL STD 8750. Certified to CAN/CSA STD C22.2 No. 250.0. Suitable for damp locations.
- **WARRANTY** – 5-year limited warranty, see hew.com/warranty.

ORDERING EXAMPLE: 6CRDI - TL - L20/835U/L20/835D - WHT - DIM - UNV - LW/LM - CS - TRIM OPTIONS - CM

— HOUSING — — TRIM — MOUNT.

HOUSING

SERIES	LUMEN PACKAGE (Example: L30/835U/L15/835D)				HOUSING FINISH [1]		CONTROL[2]	VOLTAGE

6CRDI - TL
TrimLock

Specify lumen packages: **U** for Uplight and **D** for Downlight

LUMENS [4]
- **L10** 1,000lm
- **L12** 1,200lm [5]
- **L15** 1,500lm
- **L20** 2,000lm
- **L30** 3,000lm
- **L40** 4,000lm
- **L50** 5,000lm
- **L60** 6,000lm

CRI
- **8** 80
- **9** 90 [6]

CCT
- **27** 2700K
- **30** 3000K
- **35** 3500K
- **40** 4000K
- **50** 5000K

U OR D
- **U** Uplight
- **D** Downlight

HOUSING FINISH [1]
- **ALUM** Silver sparkle aluminum
- **BLK** Textured black
- **BRZ** Textured bronze
- **NKL** Textured nickel
- **SLV** Textured silver
- **WHT** Textured white

CONTROL[2]
- **DIM** Entire fixture switches and dims together [3]

VOLTAGE
- **UNV** 120-277V
- **347** 347V

TRIM

TRIM TYPE AND DISTRIBUTION [7]
(Example Uplight/Downlight: **LW/LM**)

TRIM TYPE

Uplight
- **O** Open reflector with clear glass shield [12]
- **L** Flush lens [13]

Downlight
- **O** Open reflector
- **L** Flush lens
- **R** Regressed lens

DISTRIBUTION

Uplight
- **W** 65° Wide
- **M** 45° Medium [14]
- **N** 10° Narrow [15]

Downlight
- **W** 65° Wide
- **M** 45° Medium [16]
- **N** 10° Narrow [17]

REFLECTOR FINISH [8]

Downlight Open Trim Types
- **CS** Clear semi-specular anodize
- **SG** Satin-glow anodize
- **GD** Gold anodize
- **CG** Champagne gold anodize
- **PW** Pewter anodize
- **SPC** Clear specular anodize
- **RG** Rose gold anodize
- **WH** White texture powder coat
- **BL** Black texture powder coat

Downlight Lens Trim Types
- **CS** Clear semi-specular powder coat
- **WH** White texture powder coat
- **BL** Black texture powder coat
- **BZ** Bronze texture powder coat
- **NK** Nickel texture powder coat
- **SV** Silver texture powder coat
- **AL** Silver sparkle aluminum

TRIM OPTIONS
- **AD** Diffuse acrylic lens [9]
- **PD** Diffuse 1/8" polycarbonate lens [10]
- **TD** Diffuse polycarbonate lens media at top of open reflector [11]

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MOUNTING

MOUNTING TYPE [18]

CM__ Adjustable aircraft cable mount, 24" length standard Example: 24" cable = **CM24** [19]
WM Wall mount

NOTES

[1] See page 5 for HOUSING FINISH DETAILS.
[2] See page 4 for ADDITIONAL CONTROL OPTIONS.
[3] Requires 5 conductor cord.
[4] Lumen output based on O trim type, W distribution and CS finish, 3500K/80CRI. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA
[5] Uplight CM Mounting Type only.
[6] Extended lead times may apply. Consult factory for availability.
[7] Beam angle based on O Trim Type, WM Mounting Type and CS Reflector Finish. Trim Type affects beam angle. See page 2 for FIXTURE PERFORMANCE DATA.
[8] Specified for downlight Trim Type only. See page 5 for REFLECTOR FINISH DETAILS.
[9] Not available with O Trim Type. Downlight only. W distribution only.
[10] Not available with O Trim Type. Downlight only. W distribution only.
[11] O Trim Type. Downlight only. Not available with L60 lumen package.
[12] CS Reflector Finish standard. Other colors available, consult factory.
[13] Trim finish matches Housing Finish. Other colors available, consult factory.
[14] O Trim Type only when specified with WM Mounting Type.
[15] O Trim Type only.
[16] O Trim Type only when specified with L50 or L60 lumen packages.
[17] O Trim Type only when specified with L50 or L60 lumen packages.
[18] See page 5 for MOUNTING DETAILS.
[19] L20 lumen package max for uplight. 48" and 96" lengths available. Canopy painted white unless specified otherwise. Must specify cord. See page 5 for CORD OPTIONS.

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Cylinders
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6CRDI LED
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FIXTURE PERFORMANCE DATA

DIST.		WATTAGE	DOWNLIGHT OPEN REFLECTOR DELIVERED LUMENS	EFFICACY (lm/W)	FLUSH LENS DELIVERED LUMENS	EFFICACY (lm/W)	REGRESSED LENS DELIVERED LUMENS	EFFICACY (lm/W)	WATTAGE	UPLIGHT WALL MOUNT OPEN REFLECTOR DELIVERED LUMENS	EFFICACY (lm/W)	FLUSH LENS DELIVERED LUMENS	EFFICACY (lm/W)	WATTAGE	UPLIGHT CABLE MOUNT OPEN REFLECTOR DELIVERED LUMENS	EFFICACY (lm/W)	FLUSH LENS DELIVERED LUMENS	EFFICACY (lm/W)
L10	W	9.0	1027	114	674	75	660	73	9.0	871	97	681	76	10.6	760	72	1019	96
L10	M	9.0	999	111	895	99	895	99	9.0	847	94	–	–	10.6	734	69	1004	95
L10	N	9.0	1000	111	914	102	882	98	9.0	848	94	–	–	10.6	653	62	–	–
L12	W	–	–	–	–	–	–	–	–	–	–	–	–	14.2	1036	73	1390	98
L12	M	–	–	–	–	–	–	–	–	–	–	–	–	14.2	1001	70	1369	96
L12	N	–	–	–	–	–	–	–	–	–	–	–	–	14.2	818	58	–	–
L15	W	13.9	1466	105	994	72	972	70	13.9	1243	89	1004	72	17.5	1285	73	1723	98
L15	M	13.9	1471	106	1319	95	1319	95	13.9	1247	90	–	–	17.5	1241	71	1697	97
L15	N	13.9	1473	106	1347	97	1300	94	13.9	1249	90	–	–	17.5	1014	58	-	-
L20	W	19.8	2005	101	1352	68	1323	67	19.8	1700	86	1366	69	23.2	1687	73	2263	98
L20	M	19.8	2002	101	1794	91	1795	91	19.8	1697	86	–	–	23.2	1630	70	2228	96
L20	N	19.8	2004	101	1833	93	1769	89	19.8	1699	86	–	–	23.3	1332	57	–	–
L30	W	27.8	2985	107	2022	73	1979	71	27.8	2531	91	2043	73					
L30	M	27.8	2900	104	2683	97	2685	97	27.8	2459	88	–	–					
L30	N	27.8	2734	98	2741	99	2646	95	27.8	2318	83	–	–					
L40	W	38.0	3979	105	2695	71	2638	69	38.0	3373	89	2722	72					
L40	M	38.0	3865	102	3577	94	3579	94	38.0	3277	86	–	–					
L40	N	38.0	3644	96	3654	96	3527	93	38.0	3089	81	–	–					
L50	W	45.2	5124	113	3364	74	3292	73	45.2	4344	96	3398	75					
L50	M	45.2	4956	110	–	–	–	–	45.2	4202	93	–	–					
L50	N	45.2	4818	107	–	–	–	–	45.2	4085	90	–	–					
L60	W	46.2	5830	126	3827	83	3745	81	46.3	5220	113	4083	88					
L60	M	46.2	5639	122	–	–	–	–	46.3	5049	109	–	–					
L60	N	46.2	5482	119	–	–	–	–	46.3	4908	106	–	–					

- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
- Wattage shown is based on 120V input.
- Results based on 3500K/80CRI and CS (O Trim Type) or WH (L and R Trim Types) Reflector Finish. Actual lumens may vary +/-5%.
- Wattage is for downlight or uplight components. Add wattages together for selected lumen packages to find total fixture wattage.
- Use multiplier tables to calculate additional options.

MULTIPLIER TABLES

COLOR TEMPERATURE

	CCT	CONVERSION FACTOR
80 CRI	2700K	0.92
	3000K	0.98
	3500K	1.00
	4000K	1.01
	5000K	1.02
90 CRI	2700K	0.76
	3000K	0.79
	3500K	0.82
	4000K	0.84
	5000K	0.88

REFLECTOR FINISH

	CATALOG NUMBER	CONVERSION FACTOR
O TRIM	CS	1.00
	SG [1]	0.92
	GD	0.93
	CG	0.96
	PW	0.86
	SPC	1.02
	RG	0.88
	WH [1]	0.89
	BL [1]	0.47
R TRIM	WH	1.00
	CS [1]	0.98
	BL [1]	0.79
	BZ [1]	0.76
	NK [1]	0.81
	SV [1]	0.81
	AL [1]	0.86

TRIM OPTIONS

CATALOG NUMBER	CONVERSION FACTOR
AD	0.85
PD	0.85
TD	0.67

[1] Distribution will also be affected, consult factory.

BEAM ANGLE

TRIM TYPE							
	DOWNLIGHT			WM UPLIGHT		CM UPLIGHT	
	OPEN	FLUSH	REGRESSED	OPEN	FLUSH	OPEN	FLUSH
W	65°	50°	50°	65°	50°	70°	50°
M	45°	35°	30°	45°	35°	40°	30°
N	10°	25°	25°	10°	25°	15°	20°

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Cylinders
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PHOTOMETRY

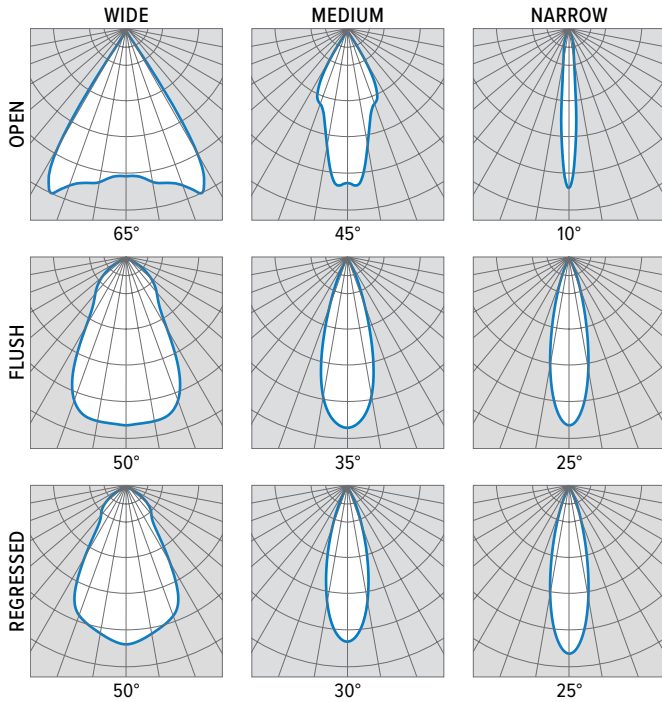**6CRDI-TL-L20/835U/L20/835D-DIM-UNV-OW/OW-CS-WM** Total Luminaire Output: 3820 lumens; 38.8 Watts | Efficacy: 98 lm/W | 80 CRI; 3500K CCT
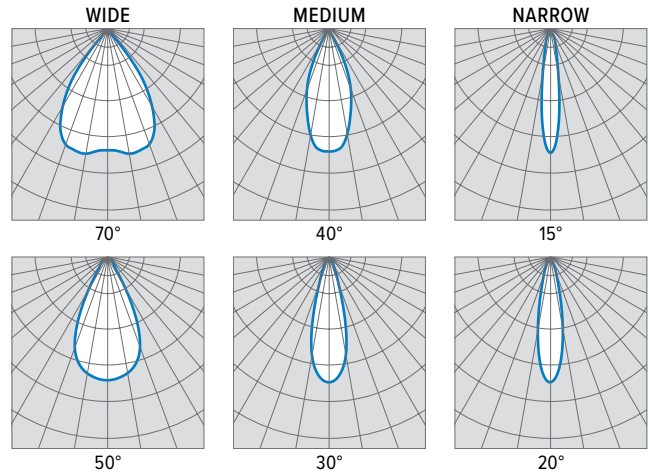
CANDLEPOWER DISTRIBUTION
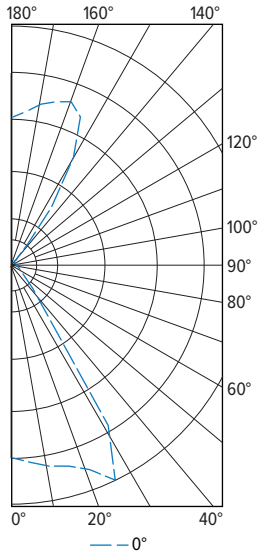
VERTICAL ANGLE	HORIZONTAL ANGLE 0°	ZONAL LUMENS
0	1810	
5	1864	179
15	1960	560
25	2231	952
35	307	367
45	44	37
55	11	11
65	1	2
75	0	0
85	0	1
90	3	
95	4	4
105	5	6
115	9	9
125	18	18
135	58	68
145	608	391
155	1474	647
165	1528	433
175	1389	135
180	1333	

LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0 - 30	1692	44
0 - 40	2059	54
0 - 60	2107	55
0 - 90	2110	55
90 - 120	19	1
90 - 150	496	13
90 - 180	1710	45
0 - 180	3820	100

UPLIGHT | DOWNLIGHT WALL MOUNT

OPEN

WIDE	MEDIUM	NARROW
65°	45°	10°

FLUSH

WIDE	MEDIUM	NARROW
50°	35°	25°

REGRESSED

WIDE	MEDIUM	NARROW
50°	30°	25°

UPLIGHT CABLE MOUNT

OPEN

WIDE	MEDIUM	NARROW
70°	40°	15°

FLUSH

WIDE	MEDIUM	NARROW
50°	30°	20°

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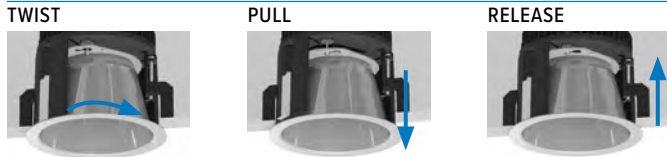Cylinders
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6.5" Direct/Indirect Cylinder – Round
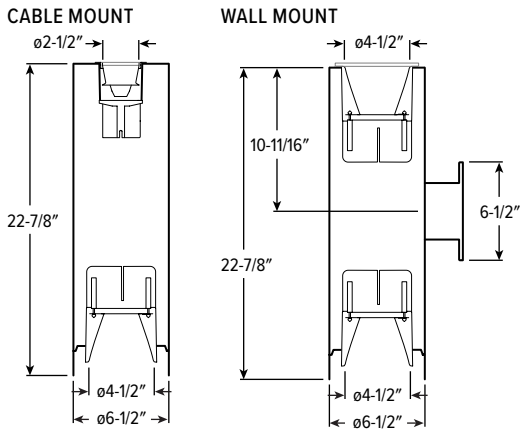
ADDITIONAL CONTROL OPTIONS

Lumen restrictions apply: L50 max for ELDO drivers and L40 max for Lutron drivers. 347V only available with DIM and DIM1 drivers.

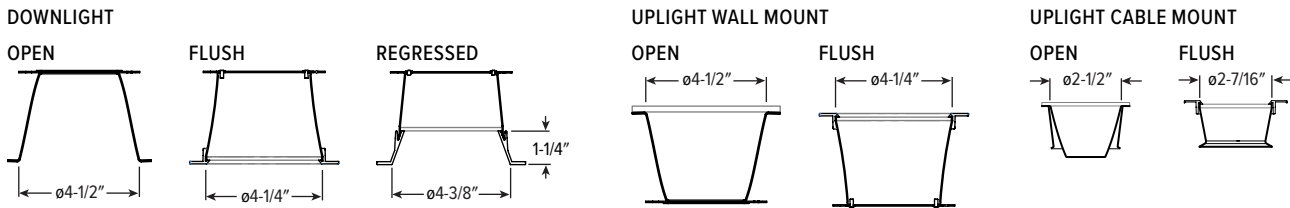| CATALOG NUMBER	DESCRIPTION
DIM	Dimming driver prewired for 0-10V low voltage applications; entire fixture switches and dims together
DIMU/DIMD	Dimming driver prewired for 0-10V low voltage applications; up and down portions switch and dim separately
DIM1	1% dimming driver prewired for 0-10V low voltage applications
DIM1U/DIM1D	1% dimming driver prewired for 0-10V low voltage applications; up and down portions switch separately
DIM LINE	Line voltage dimming driver (TRIAC and ELV compatible, 120V only)
DIM LINEU/DIM LINED	Line voltage switching and line voltage dimming; up and down portions switch separately
LTE LINE	Lutron Hi-lume 1% 2-wire dimming driver forward phase line voltage controls (120V only)
LDE1	Lutron Hi-lume 1% EcoSystem dimming LED driver
LDE1/LDE1	Lutron Hi-lume 1% EcoSystem dimming LED driver; up and down portions switch separately
LDE5	Lutron 5-Series 5% EcoSystem dimming LED driver
LDE5/LDE5	Lutron 5-Series 5% EcoSystem dimming LED driver; up and down portions switch separately
ELDO SOLOB	EldoLED Solodrive, 0.1% dimming driver for 0-10V controls
ELDO SOLOB/ELDO SOLOB	EldoLED Solodrive, 0.1% dimming driver for 0-10V controls; up and down portions switch separately
ELDO SOLOB DALI	EldoLED Solodrive, 0.1% dimming driver for DALI controls
ELDO SOLOB DALI/ ELDO SOLOB DALI	EldoLED Solodrive, 0.1% dimming driver for DALI controls; up and down portions switch separately
ELDO ECO1	EldoLED Ecodrive, 1% dimming driver for 0-10V controls
ELDO ECO1/ELDO ECO1	EldoLED Ecodrive, 1% dimming driver for 0-10V controls; up and down portions switch separately
ELDO ECO1 DALI	EldoLED Ecodrive, 1% dimming driver for DALI controls
ELDO ECO1 DALI/ELDO ECO1 DALI	EldoLED Ecodrive, 1% dimming driver for DALI controls; up and down portions switch separately

TRIMLOCK DETAILS

TWIST

PULL

RELEASE

CROSS SECTIONS

CABLE MOUNT

ø2-1/2"

22-7/8"

ø4-1/2"

ø6-1/2"

WALL MOUNT

ø4-1/2"

10-11/16"

22-7/8"

6-1/2"

ø4-1/2"

ø6-1/2"

TRIM TYPE DETAILS

DOWNLIGHT

OPEN
ø4-1/2"

FLUSH
ø4-1/4"

REGRESSED
ø4-3/8"
1-1/4"

UPLIGHT WALL MOUNT

OPEN
ø4-1/2"

FLUSH
ø4-1/4"

UPLIGHT CABLE MOUNT

OPEN
ø2-1/2"

FLUSH
ø2-7/16"

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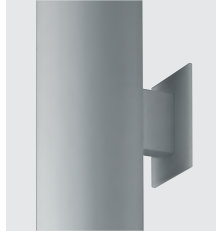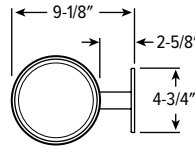Page 4 of 5

MOUNTING DETAILS

CABLE MOUNT (CM__)

Cable mount fixtures are provided with:
- Adjustable length aircraft cable, must specify length in inches
- 18-gauge cord in choice of 9 colors, see Cord Options for ordering info.
- One 5" canopy
- T-bar clip with 1/4-20 stud
- Hard ceiling anchor provided by others

WALL MOUNT (WM)

Mounts to 4" square J-box.

9-1/8" 2-5/8" 4-3/4"

CORD OPTIONS

Must specify cord when cable mounting.

| ORDERING EXAMPLE: S2438/W				
CORD TYPE	LENGTH	# CONDUCTORS	WIRE SIZE	COLOR
S Straight	24 24" 48 48" 96 96"	3 3 4 4 [1] 5 5 6 6 [1]	8 18-guage	**Standard** /W White /B Black **Braided** /WH White /BL Black /BR Brass /AE Aegean Blue /RE Red /SV Silver /GU Gunmetal /NK Nickle /GR Gray

1 Standard cord only.

COLOR DETAILS
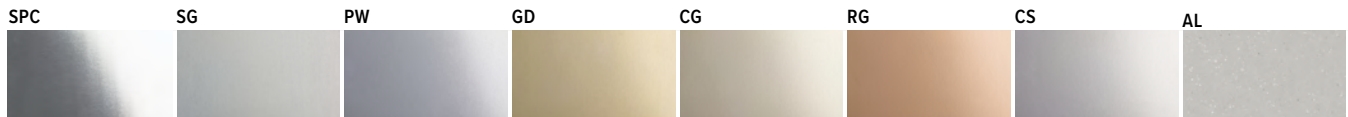Additional colors may be available, consult factory.

White   Black   Brass   Aegean Blue   Red

Silver   Gunmetal   Nickle   Gray

HOUSING FINISH DETAILS

WHT	BLK	BRZ	NKL	SLV	ALUM
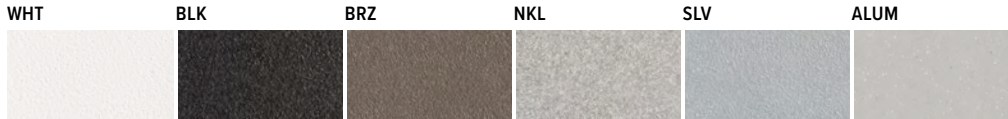
For custom color, please specify RAL code or a manufacturer code with description. All custom colors other than RAL require two sample swatches, minimum 1" square.

REFLECTOR FINISH DETAILS

SMOOTH FINISH

SPC	SG	PW	GD	CG	RG	CS	AL

TEXTURED FINISH

WH	BL	BZ	NK	SV

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